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Buying Guide™ 2021

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PRODUCTS



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Cars ■ TVs ■ Refrigerators
Laptops ■ Vacuums ■ Gas Grills
Ranges ■ Washing Machines
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Buying GuideTM 2021

From the Editors of Consumer Reports

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Buying Advice at Your Fingertips

The Consumer Reports Buying Guide for 2021 is your handy one-stop source for making informed, money-saving purchases. Consult it before you shop, then take it to the store or keep it beside your computer to help you compare brands. Here's how to make the best use of this guide:

PACKED WITH HIGHLIGHTS from our exclusive buying advice and ratings for more than 2,000 product models, this little book will be an invaluable shopping tool for squeezing the most value from every dollar you spend.

Preceding each ratings chart, you'll find a Quick Guide with buying advice for that product. You can access our full buying advice by using the website address provided with each category.

But before you delve into the best stuff to buy, be sure to read about the best places to find it—whether online or at a walk-in store—in the Comparing Retailers section, starting on page 6. Our surveys of thousands of Consumer Reports members provide invaluable insight into buying trends, plus the service, selection, and prices offered by dozens of retailers of appliances and electronics products.

After you've honed your shopping savvy, turn to the Product Ratings section, starting on page 11, for guidance from CR's experts on 34 product categories, in three sections: Home,

Electronics and Autos. Here you'll find exclusive ratings based on our tough in-house tests, and, for many products, brand predicted reliability and owner satisfaction estimates from our surveys of hundreds of thousands of CR members about breakages and problems they've had with various brands.

In the market for a car? The Autos section, starting on page 145, has all the information you need to make the right decision on a new or used model. If you're buying new, start with a look at the Highs and Lows of the 2021 vehicles, check out the Standout Models in each category, and then move on to the full ratings. Used car buyers will find our experts' picks for Best and Worst models, plus detailed reliability reports. We've even got ratings for more than 100 tire models.

In today's crowded marketplace, this guide can help cut through the endless options, helping you choose the best, safest products—and save money doing it. So keep it with you whenever you shop, and buy with confidence.

Ratings, Reliability & Owner Satisfaction

The Quick Guides, product ratings, and brand reliability and owner satisfaction information that follow are designed to help you zero in on the model you want to buy. See the buying advice highlights in the Quick Guides to help you decide what you want from a product. Then go to the ratings charts to get the details on performance.

FOR SOME PRODUCT categories you'll find full ratings that include every currently available model we tested. For others, the ratings charts show a selection of models, including those recommended for most people and models designated as CR Best Buys.

To develop our ratings, we put all models within a category through weeks of testing, side by side, so that test results can be compared. We rank products by performance.

Consumer Reports checked that the products rated in this Buying Guide were still available at press time. But depending on how long after publication you use this book, you might find a rating for a product that's no longer available. Or you might not find a rating for a model that's available because it hadn't been tested as of publication.

Calculating the Overall Score

Consumer Reports evaluates a variety of factors for every product we test—performance, predicted reliability, and owner satisfaction. We then incorporate data from all those assessments into one Overall Score.

The result is a single integrated rating that makes it easy for you to make a well-informed decision. By combining the results of performance tests in our labs with the data we collect through surveys of CR members, our Overall Score gives a holistic picture of product quality.

One result of this is that models from brands with high reliability ratings might cluster at the top of the ratings while brands with poor reliability are penalized. We believe that's a good thing because it more closely reflects your experience with a product.

SURVEY RESULTS IN THE CHARTS

■ Predicted reliability.

Through our surveys, tens of thousands of CR members who purchased appliances and electronics in the past several years tell us about their product experiences. Then we crunch the data to estimate the likelihood that newly purchased models from a given brand (not under a

service contract) will break or experience problems. Products from brands that rate Fair or Poor for reliability can't earn recommended status from CR, regardless of performance or satisfaction, because consumers also expect their products to last. In cases where we have insufficient survey data to provide a brand-level rating,

indicated by a gray dash (—), we assume the model has average reliability.

■ Owner satisfaction.

The same surveys provide data for this assessment, which asks CR members how likely they'd be to recommend the products they purchased. Here, too, a gray dash means insufficient data, and the product receives the category average by default.

Ratings Key

Overall scores are based on a scale of 0 to 100. We rate products using these symbols:

Ⓢ POOR

✓ FAIR

① GOOD

⬆ VERY GOOD

⬆ EXCELLENT

Ⓢ CR BEST BUY

These models offer the best combination of performance and price. All are recommended.

✓ RECOMMENDED

These are high-performing models that stand out.

Comparing Retailers

Our product testers can tell you which refrigerator or computer delivers the most value. But then you have to find the lowest price and the best service. To help you find the best places to shop, we survey tens of thousands of Consumer Reports members annually about their experiences buying appliances and electronics in-store and online.

Appliances

Most purchases are still made in brick-and-mortar stores but about four out of five major and small appliance shoppers use the internet to research their product by doing things like checking prices and reading reviews. Over two-thirds of small and major appliance shoppers visit a retailer's website before making a purchase at its store or website.

In our 2019 Spring Survey, over 48,000 CR members told us about more than 72,000 major and small appliance purchases they made between January of 2018 and June of 2018. This year we're able to rate 23 major appliance and 26 small appliance retail chains (38 overall, as some chains are rated in both categories). We also rate independent stores and manufacturers' websites as two separate groups in both appliance categories.

Electronics

In our last surveys in 2017, consumers were quite happy with their shopping experience at electronic retailers, and online shoppers tended to be significantly more satisfied in all aspects of the transaction experience compared with their in-store shopping counterparts. But more than half of members in our ratings sample were still making their electronic purchases at walk-in retailers.

Research Can Yield a Good Price

Doing online research for home products, such as large and small appliances, electronics and autos is useful. Researching the product online to determine the features they did or didn't need was the strategy used most often by members to help find the best price.

Appliance Retailers

In order of reader score, within types.

Provider	Reader Survey Results						
	Overall satisfaction score	Price paid	Selection	Service	In-store atmosphere	Website usability	Home delivery
MAJOR APPLIANCES							
Abt	94	⬆	⬆	⬆	⬆	⬆	⬆
Nebraska Furniture Mart	92	⬆	⬆	⬆	⬆	⬇	⬆
Warners' Stellan	92	⬇	⬆	⬆	⬆	⬆	⬆
R.C. Willey Home Furnishings	92	⬇	⬆	⬆	⬆	⬇	⬆
Costco	92	⬆	⬇	⬇	⬆	⬆	⬆
Independents	90	⬇	⬇	⬆	⬆	⬇	⬆
Ferguson	90	⬇	⬆	⬆	⬆	—	⬆
Spencer's TV & Appliance	89	⬆	⬆	⬆	⬆	⬇	⬆
Amazon.com	89	⬇	⬆	—	—	⬆	⬆
Famous Tate	89	⬇	⬆	⬆	⬆	—	⬆
Grand Appliance & TV	88	⬇	⬆	⬆	⬆	—	⬆
Albert Lee Appliance	88	⬇	⬆	⬆	⬆	—	⬆
Best Buy	87	⬇	⬇	⬆	⬆	⬆	⬇
Pacific Sales	87	⬇	⬆	⬆	⬆	—	⬆
P.C. Richard & Son	87	⬇	⬆	⬆	⬆	⬇	⬇
JCPenney	86	⬆	⬇	⬇	⬇	—	⬇
Lowe's	86	⬇	⬇	⬇	⬇	⬇	⬇
ABC Warehouse	86	⬆	⬆	⬆	—	—	—
Menards	85	⬇	⬇	⬇	⬇	⬇	—
Sears	85	⬇	⬇	⬇	⬇	⬇	⬇
Home Depot	85	⬇	⬇	⬇	⬇	⬇	⬇
Sears Hometown Stores	84	⬇	⬇	⬇	⬇	⬇	⬇
Bray & Scarff	83	⬇	⬇	⬆	⬆	—	⬇
SMALL APPLIANCES							
Sur La Table	95	⬇	⬇	⬆	⬆	⬆	—
Abt	93	⬆	⬆	⬆	—	⬆	—
Williams Sonoma	92	⬇	⬇	⬆	⬆	⬆	—

Provider	Reader Survey Results						
	Overall satisfaction score	Price paid	Selection	Service	In-store atmosphere	Website usability	Home delivery
SMALL APPLIANCES <i>Continued</i>							
Costco	92	⬆	⬇	⬇	⬆	⬇	—
QVC.com	92	⬆	⬇	⬆	—	⬆	—
Amazon.com	91	⬆	⬆	⬇	—	⬆	—
Bed Bath & Beyond	89	⬇	⬇	⬇	⬇	⬇	—
Kohl's	89	⬆	⬇	⬇	⬇	⬇	—
Exchange	89	⬆	⬇	—	—	—	—
Meijer	89	⬆	⬇	—	⬆	—	—
Independents	89	⬇	⬇	⬆	⬆	⬇	—
Macy's	89	⬇	⬇	⬇	⬇	⬇	—
Manufacturers' websites	89	⬇	⬇	⬇	—	⬇	—
HSN	89	⬆	⬇	—	—	⬆	—
Sam's Club	89	⬆	⬇	⬇	⬇	⬇	—
Best Buy	88	⬇	⬇	⬇	⬇	⬇	—
BJ's	88	⬇	⬇	⬇	⬇	⬇	—
Target	87	⬇	⬇	⬇	⬇	⬇	—
Canadian Tire	87	⬇	⬇	⬇	⬇	⬇	—
JCPenney	86	⬇	⬇	⬇	⬇	⬇	—
Menards	86	⬇	⬇	⬇	⬇	—	—
P.C. Richard & Son	85	⬇	⬇	⬇	⬇	—	—
Lowe's	85	⬇	⬇	⬇	⬇	⬇	—
Home Depot	85	⬇	⬇	⬇	⬇	⬇	—
Walmart	84	⬇	⬇	⬇	⬇	⬇	—
Sears	84	⬇	⬇	⬇	⬇	⬇	—

HOW WE SURVEY: Ratings are based on Consumer Reports' 2019 Spring Survey of 48,289 CR members reporting on 72,633 appliance purchases made between January of 2018 and June of 2019.

Overall satisfaction score represents shoppers' overall satisfaction with their retail

experience. If all respondents are completely satisfied with a particular store, the reader score would be 100; a score of 80 indicates that respondents are "very satisfied," on average. Differences of less than 5 points are not meaningful. The other attributes listed under Survey Results reflect average

scores on a scale from "very poor" to "excellent". Ratings are based on the experiences of CR members, who may not be representative of the general US population. Dashes (—), indicate insufficient sample size to provide a rating or that an attribute is not applicable to a store.

Electronics Retailers

In order of reader score, within types.

Retailer	Reader Survey Results								
	Overall satisfaction score	Price paid	Selection	Product quality	Customer service	Checkout ease	Website usability	Web support	Walk-in retailer buying ease
ONLINE STORES									
Crutchfield.com	96	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
BHPhotoVideo.com	96	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
Shopmyexchange.com	94	⬆	⬇	⬆	—	⬆	⬆	⬆	NA
Apple.com	94	⬇	⬇	⬆	⬆	⬆	⬆	⬆	NA
Adorama.com	93	⬆	⬆	⬆	—	⬆	⬆	⬆	NA
Costco.com	93	⬆	⬇	⬆	⬇	⬆	⬆	⬆	NA
Amazon.com	93	⬇	⬆	⬆	⬇	⬆	⬆	⬆	NA
Abt.com	93	⬆	⬆	⬆	—	⬆	⬆	⬆	NA
Target.com	92	⬆	⬇	⬆	—	⬇	⬇	⬇	NA
Newegg.com	91	⬆	⬆	⬆	⬇	⬆	⬆	⬆	NA
SamsClub.com	91	⬆	⬇	⬆	—	⬆	⬆	⬇	NA
Bose.com	91	⬇	⬇	⬆	⬇	⬆	⬆	⬇	NA
QVC.com	90	⬇	⬇	⬇	⬇	⬆	⬆	⬆	NA
Staples.com	90	⬆	⬇	⬇	—	⬇	⬇	⬇	NA
Independent websites	90	⬆	⬇	⬆	⬇	⬆	⬆	⬇	NA
BestBuy.com	89	⬇	⬇	⬆	⬇	⬇	⬇	⬇	NA
Woot.com	89	⬆	—	⬇	—	⬆	⬆	—	NA
Walmart.com	89	⬆	⬇	⬇	⬇	⬇	⬇	⬇	NA
HSN.com	88	⬆	⬇	⬇	—	⬆	⬆	⬆	NA
Microsoft.com	87	⬇	⬇	⬇	—	⬇	⬇	⬇	NA
Groupon.com	87	⬆	⬇	⬇	—	⬆	⬆	⬇	NA
Samsung.com	87	⬆	⬇	⬆	—	⬇	⬇	⬇	NA
HP.com	86	⬇	⬇	⬇	⬇	⬇	⬇	⬇	NA
Lenovo.com	86	⬇	⬇	⬆	⬇	⬇	⬇	⬇	NA
Dell.com	85	⬇	⬇	⬇	⬇	⬇	⬇	⬇	NA

Retailer	Reader Survey Results								
	Overall satisfaction score	Price paid	Selection	Product quality	Customer service	Checkout ease	Website usability	Web support	Walk-in retailer buying ease
WALK-IN STORES <i>Continued</i>									
Independent Stores	93	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Apple Store	93	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Navy Exchange	93	⬆	⬆	⬆	⬆	⬆	⬆	—	⬆
Bose	92	⬇	⬆	⬆	⬆	⬆	⬆	—	⬆
Costco	92	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
Video Only	92	⬆	⬆	⬆	⬆	⬆	—	⬆	⬆
Nebraska Furniture Mart	92	⬆	⬆	⬆	⬆	⬆	—	—	⬆
BJ's	91	⬆	⬇	⬆	⬇	⬆	⬆	—	⬆
P.C. Richard & Son	90	⬆	⬆	⬆	⬆	⬆	⬆	—	⬆
Micro Center	89	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
GameStop	89	⬇	⬆	⬆	⬆	⬆	—	—	⬆
Fred Meyer Stores	88	⬆	⬇	⬆	⬆	⬆	—	—	⬆
Sam's Club	88	⬆	⬇	⬆	⬇	⬆	⬆	⬇	⬆
Barnes & Noble	88	⬆	⬇	⬆	⬆	⬆	⬆	—	⬆
Target	88	⬆	⬇	⬆	⬇	⬆	⬆	⬆	⬆
Best Buy	87	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Sears	87	⬆	⬇	⬆	⬆	⬆	—	—	⬇
Microsoft	86	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Kohl's	86	⬆	⬇	⬆	—	⬆	—	—	⬆
Staples	85	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
Fry's Electronics	85	⬆	⬆	⬆	⬇	⬆	⬇	⬇	⬆
Office Depot/Office Max	85	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
Walmart	84	⬆	⬇	⬆	⬇	⬆	⬆	⬇	⬇

HOW WE SURVEY: Ratings are based on 88,021 purchases of electronics purchased by 56,289 Consumer Reports' members between January 2016 and June 2017. **Overall satisfaction score** represents shoppers' overall satisfaction with their retail experience. If all respondents are

completely satisfied with a particular retailer, the reader score would be 100; a score of 80 indicates that respondents are "very satisfied," on average. Differences of less than 4 points are not meaningful. The other attributes listed under Survey Results reflect average scores on a scale from "very poor" to

"excellent". Ratings are based on the experiences of CR members, who may not be representative of the general US population. Dashes (—), indicate insufficient sample sizes to provide a rating or that an attribute is not applicable to a retailer.



Home

12 Air Purifiers

14 Clothes Dryers

19 Cooktops

23 Dishwashers

26 Gas Grills

30 Generators

33 Lawn Mowers

36 Lawn Tractors

38 Mattresses

45 Microwaves

48 Ranges

54 Refrigerators

62 Snow Blowers

65 Vacuums

73 Wall Ovens

76 Washing
Machines

82 Washer/
Dryer Pairs

Air Purifiers

The most effective portable air purifiers we tested were made for rooms 350 sq. ft. or larger. These models cleared the air quickly of dust, smoke, and pollen at their high and low speeds.



What to Look For

- Most portable air purifiers use a fan to suck in air for filtration. Fanless models run more quietly, but those we tested worked poorly.
- Energy Star certified models can save you money on utility bills compared to standard models.
- Air purifiers with filter indicator lights let you know when the filter needs to be replaced.
- A washable—and reusable—pre-filter collects large

particles before they reach the HEPA filter, possibly extending its life.

What to Skip

- Models with electrostatic precipitators or ionizer technology could produce ozone, a lung irritant.

What You'll Pay

- Portable air purifiers will run \$50 to more than \$1,000; plus filter replacements and the cost of energy required to run the machines 24 hours a day.

BUYING ADVICE

Many portable air purifiers are certified for a clean-air delivery rate (CADR), their cleaning speed. We judge a CADR of 240 and up excellent and below 100 poor.

For more buying advice, go to [CR.org/air-purifiers](https://www.consumerreports.org/air-purifiers).

Tested products in performance order.

	Brand & Model	Overall Score	Price	Test Results					
Recommended				Dust/pollen/smoke removal (low)	Dust/pollen/smoke removal (high)	Noise (low speed)	Noise (high speed)	Ease of use	Annual cost (\$)
✓	Blueair Classic 605	88	\$830	⬆	⬆	⬆	⬇	⬆	224
✓	Blueair Blue Pure 211+	85	\$300	⬆	⬆	⬇	⬇	⬇	192
✓	Honeywell HPA300	76	\$250	⬆	⬆	⬇	⬇	⬆	203
✓	Alen BreatheSmart Classic	72	\$650	⬆	⬆	⬇	⬇	⬆	190
✓	Honeywell 50250	69	\$220	⬆	⬆	⬇	⬇	⬇	213
✓	Idylis AC-2118	68	\$306	⬇	⬆	⬇	⬇	⬆	121

	Brand & Model	Overall Score	Price	Test Results					
Recommended				Dust/pollen/smoke removal (low)	Dust/pollen/smoke removal (high)	Noise (low speed)	Noise (high speed)	Ease of use	Annual cost (\$)
✓	LivePure Bali LP550TH-W	67	\$300	⬇	⬆	⬆	⬇	⬆	276
✓	SPT AC-2102	65	\$310	⬆	⬆	⬇	⬇	⬆	395
✓	GermGuardian AC5900WCA	64	\$200	⬇	⬆	⬇	⬇	⬆	231
✓	IQAir HealthPro Plus	63	\$900	⬇	⬆	⬇	⬇	⬆	293
✓	Kenmore 83396	63	\$150	⬇	⬆	⬇	⬇	⬆	187
✓	Honeywell AirGenius 5 HFD-320	62	\$215	⬇	⬆	⬆	⬇	⬆	80
✓	Brondell O2+ Revive	60	\$430	⬇	⬆	⬆	⬇	⬆	252
✓	Whynter EcoPure AFR-425-SW	60	\$240	⬇	⬆	⬇	⬇	⬆	155
	Winix 5300-2	59	\$150	⬇	⬆	⬆	⬆	⬆	90
	Airmega 300	59	\$550	⬇	⬆	⬆	⬇	⬆	110
	Honeywell Air Genius 4 HFD310	59	\$200	⬇	⬆	⬆	⬇	⬆	80
	Honeywell HPA250B	58	\$250	⬇	⬆	⬇	⬇	⬆	137
	Coway AP-1512HH Mighty	55	\$250	⬇	⬆	⬆	⬇	⬆	87
	Winix C535	55	\$130	⬇	⬆	⬆	⬇	⬆	75
	Airdog X5	53	\$600	⬇	⬆	⬆	⬇	⬆	62
	3M Filtrete Elite FAP-T03-A2 (Lowes)	53	\$200	⬇	⬆	⬇	⬇	⬆	197
	3M Filtrete FAP-C03-A2 (Lowes)	52	\$139	⬇	⬆	⬆	⬇	⬆	106
	GermGuardian AC9200WCA	52	\$300	⬇	⬆	⬆	⬇	⬆	222
	Febreze FHT190W	51	\$95	⬇	⬆	⬇	⬇	⬆	89
	Sharp FP-F60UW	51	\$240	⬇	⬆	⬇	⬇	⬆	54

HOW WE TEST: Overall Score is based on the performance of the product in all of our tests.

Dust/pollen/smoke removal (high) indicates how well it removes particles at its highest speed. **Dust/pollen/smoke removal (low)** evaluates its

ability to remove particles at a lower speed (whichever one is closest to 50 decibels). **Noise** is measured using a decibel meter from 4 feet away at both high and low speeds. **Ease of use** reflects how intuitive and easy the controls are to use, carrying

ease, the ability to remove the filter, and filter life indicator.

Annual cost includes filter replacements and the energy required to run the purifier 24 hours a day for an entire year. **Price** is approximate retail.

Clothes Dryers

Electric dryers are the bigger sellers, though decades of testing has revealed that gas and electric dryers perform similarly. Gas or electric, keep in mind that larger capacities let you dry more laundry at once.



What to Look For

- Moisture sensors detect the laundry's dampness and shut off the appliance when clothes are dry, cutting down on energy costs. This is easier on fabrics, too.
- Auto-dry cycles provide settings of less dry to more dry for damp ironing, and points in between.
- An extended-tumble setting without heat helps prevent wrinkles when you can't remove the load immediately.

What to Skip

- Specialty cycles up the price. A choice of heat level, timed dry, and auto-dry, along with a few fabric types, should do.

What You'll Pay

Prices vary from \$350 to \$2,000, depending on type, capacity, and features. Gas dryers cost roughly \$50 to \$150 more than comparable electric models, but the likely savings in fuel costs should more than make up for the difference.

BUYING ADVICE

If you intend to install the dryer near a bedroom, look for one that scored Very Good or Excellent in our tests for noise. You'll hear it working, but it shouldn't disturb you.

For more buying advice, go to [CR.org/dryers](https://www.consumerreports.org/dryers).

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Drying performance Convenience Noise	Claimed capacity (cu. ft.) Stainless steel drum Steam option
ELECTRIC DRYERS						
✓	LG DLEX9000V	92	\$1,620	⬆️⬆️	⬆️	9.0 ● ●
Ⓢ	LG DLEX3700W	91	\$650	⬆️⬆️	⬆️	7.4 ● ●
✓	Maytag MEDB955FW	89	\$1,185	⬆️	⬆️	9.2 ● ●
✓	LG DLEX7900BE	89	\$1,170	⬆️	⬆️	7.3 ● ●
Ⓢ	LG DLE7100W	89	\$720	⬆️	⬆️	7.3 ● ●

	Brand & Model	Overall Score	Price	Survey Results		Test Results			Features		
Recommended				Predicted reliability	Owner satisfaction	Drying performance	Convenience	Noise	Claimed capacity (cu. ft.)	Stainless steel drum	Steam option

ELECTRIC DRYERS *Continued*

✓	LG DLEX8100V	89	\$1,000	⬆	⬆	⬆	⬆	⬆	9		●
✓	LG DLEX3900W	88	\$750	⬆	⬆	⬆	⬆	⬆	7.4	●	●
✓	Kenmore Elite 61632	88	\$1,150	⬆	⬇	⬆	⬆	⬆	9.2	●	●
	Kenmore 81382	86	\$680	⬆	⬇	⬆	⬆	⬆	7.3	●	●
	LG Signature DLEX9500K	86	\$1,840	⬆	⬆	⬆	⬆	⬆	9.0	●	●
	Kenmore 81462	84	\$750	⬆	⬇	⬆	⬆	⬆	7.4		●
	Kenmore Elite 81782	83	\$800	⬆	⬇	⬆	⬆	⬆	7.4	●	●
	Whirlpool WED8500DW	83	\$1,080	⬆	⬇	⬆	⬆	⬆	8.8		●
	Kenmore 69132	82	\$700	⬆	⬇	⬆	⬆	⬆	8.8		●
	Samsung DV50K7500EW	82	\$1,230	⬇	⬇	⬆	⬆	⬆	7.5	●	●
	Samsung DVE50R8500W	81	\$850	⬇	⬇	⬆	⬆	⬆	7.5	●	●
	Whirlpool WED7500GW	81	\$810	⬆	⬇	⬆	⬆	⬆	7.4		
	Kenmore 81562	81	\$900	⬆	⬇	⬆	⬆	⬆	7.4	●	●
	Samsung DVE54R7600W	81	\$1,015	⬇	⬇	⬆	⬆	⬆	7.4		●
	Kenmore 67132	80	\$550	⬆	⬇	⬆	⬆	⬆	7.0		●
	Samsung DV45K6500EW	80	\$990	⬇	⬇	⬆	⬆	⬆	7.5	●	●
	Kenmore Elite 81982	79	\$1,100	⬆	⬇	⬆	⬆	⬆	9.0	●	●
	Maytag MEDX655DW	78	\$600	⬆	⬆	⬆	⬆	⬇	7.0		
	Samsung DVE54M8750V	78	\$1,180	⬇	⬇	⬆	⬆	⬆	7.4	●	●
	Samsung DVE52M8650W	78	\$965	⬇	⬇	⬆	⬆	⬆	7.4	●	●
	Electrolux EFME427UIW	78	\$690	⬇	⬇	⬆	⬆	⬆	8.0		●
	Fisher & Paykel AeroCare DE7027P2	77	\$1,000	⬇	⬇	⬆	⬆	⬆	7.0	●	●
	Kenmore Elite 61433	77	\$700	⬆	⬇	⬆	⬆	⬆	7.3		●

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability		
				Owner satisfaction		
				Drying performance		
				Convenience		
				Noise		
				Claimed capacity (cu. ft.)		
				Stainless steel drum		
				Steam option		

ELECTRIC DRYERS *Continued*

	Speed Queen DR7000WE (ADEE9RGS175TW01)	77	\$1,075	⬆	⬆	⬇	⬆	⬆	7.0		
	Samsung DVE45M5500W	77	\$1,000	⬇	⬇	⬆	⬆	⬆	7.4		●
	GE GTD84ECSNWS	77	\$855	⬇	⬇	⬆	⬆	⬆	7.4		●
	GE GFD85ESPNRS	77	\$1,000	⬇	⬇	⬆	⬆	⬆	7.8	●	●
	Samsung DVE45R6300W	76	\$700	⬇	⬇	⬆	⬆	⬆	7.5		●
	GE GTD65EBSJWS	76	\$720	⬇	⬇	⬆	⬆	⬆	7.4		
	Samsung FlexDry DVE60M9900V	76	\$1,650	⬇	⬇	⬆	⬆	⬆	7.5	●	●
	Samsung FlexDry DVE55M9600W	76	\$1,200	⬇	⬇	⬆	⬆	⬆	7.5	●	●
	Electrolux EFME627UTT	76	\$1,080	⬇	⬇	⬆	⬆	⬆	8.0	●	●
	Whirlpool WED9620HC	76	\$1,375	⬆	⬇	⬆	⬆	⬆	7.4	●	●
	GE GTD72EBSNWS	76	\$580	⬇	⬇	⬆	⬆	⬆	7.4		

GAS DRYERS

✓	LG DLGX9001V	92	\$1,710	⬆	⬆	⬆	⬆	⬆	9.0	●	●
✓	LG DLGX3701W	91	\$750	⬆	⬆	⬆	⬆	⬆	7.4		●
✓	LG DLGX7901BE	89	\$1,270	⬆	⬆	⬆	⬆	⬆	7.3		●
💰	LG DLG7101W	89	\$700	⬆	⬆	⬆	⬆	⬆	7.3		
✓	LG DLGX8101V	88	\$1,100	⬆	⬆	⬆	⬆	⬆	9.0		●
✓	Maytag MGDB955FW	87	\$1,295	⬇	⬆	⬆	⬆	⬆	9.2	●	●
✓	LG DLGX3901W	87	\$850	⬆	⬆	⬆	⬆	⬆	7.4	●	●
✓	Kenmore Elite 71632	87	\$1,250	⬇	⬇	⬆	⬆	⬆	9.2	●	●
✓	Kenmore Elite 71552	86	\$1,000	⬇	⬇	⬆	⬆	⬆	7.3	●	●
✓	LG Signature DLGX9501K	85	\$1,900	⬆	⬆	⬆	⬆	⬆	9.0	●	●
	Kenmore 91392	84	\$780	⬇	⬇	⬆	⬆	⬆	7.3		●
	Kenmore 91462	84	\$850	⬇	⬇	⬆	⬆	⬆	7.4		●

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Drying performance Convenience Noise	Claimed capacity (cu. ft.) Stainless steel drum Steam option

GAS DRYERS *Continued*

	Kenmore 91182	83	\$1,180	⬆️	⬆️	⬆️	⬆️	⬆️	7.3		
	Samsung DV50K7500GW	83	\$1,135	⬆️	⬆️	⬆️	⬆️	⬆️	7.5	●	●
	Kenmore Elite 91782	83	\$900	⬆️	⬆️	⬆️	⬆️	⬆️	7.4	●	●
	Whirlpool WGD8500DW	82	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	8.8		●
	Kenmore 79132	82	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	8.8		●
	GE GFD48GSSKWW	81	\$1,255	⬆️	⬆️	⬆️	⬆️	⬆️	8.3	●	●
	Kenmore 91562	81	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	7.4	●	●
	Samsung DV45K6500GW	81	\$1,080	⬆️	⬆️	⬆️	⬆️	⬆️	7.5	●	●
	Samsung DVG50M7450W	80	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	7.4		●
	Whirlpool WGD7500GW	80	\$750	⬆️	⬆️	⬆️	⬆️	⬆️	7.4		
	Fisher & Paykel AeroCare DG7027P2	80	\$1,050	⬇️	⬆️	⬆️	⬆️	⬆️	7.0	●	●
	Whirlpool WGD8700EC	80	\$1,345	⬆️	⬆️	⬆️	⬆️	⬆️	8.8		●
	Kenmore 77132	80	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	7.0		●
	Samsung DVG54M8750V	79	\$1,080	⬆️	⬆️	⬆️	⬆️	⬆️	7.4	●	●
	Samsung DVG52M8650W	79	\$970	⬆️	⬆️	⬆️	⬆️	⬆️	7.4	●	●
	Kenmore Elite 91982	79	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	9.0	●	●
	Whirlpool WGD75HEFW	78	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	7.4		
	Samsung DVG45M5500W	78	\$1,045	⬆️	⬆️	⬆️	⬆️	⬆️	7.4		●
	Samsung DVG45R6300W	77	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	7.5		●
	Samsung FlexDry DVG60M9900V	77	\$1,550	⬆️	⬆️	⬆️	⬆️	⬆️	7.5	●	●
	Samsung FlexDry DVG55M9600W	77	\$1,300	⬆️	⬆️	⬆️	⬆️	⬆️	7.5	●	●
	Electrolux EFMG427UIW	76	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	8.0		●
	Maytag MGD655DW	76	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	7.0		

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Drying performance Convenience Noise	Claimed capacity (cu. ft.) Stainless steel drum Steam option

GAS DRYERS *Continued*

	Samsung DV40J3000GW	76	\$700	⬇	⬇	⬆	⬆	⬇	7.2		
	GE GFD85GSPNRS	76	\$1,100	⬇	⬇	⬆	⬆	⬆	7.8	●	●
	GE GTD65GBSJWS	76	\$810	⬇	⬇	⬆	⬆	⬆	7.4		

COMPACT DRYERS

✓	Miele TWI180WP	87	\$1,900	⬆	⬆	⬆	⬆	⬆	4.1		●
💰	Samsung DV22K6800EW	78	\$800	⬇	⬇	⬆	⬆	⬆	4.0	●	
✓	Samsung DVE22N6850X	78	\$1,025	⬇	⬇	⬆	⬆	⬆	4.0	●	
	GE DCVH480EKWW	73	\$1,050	⬇	⊖	⬆	⬆	⬆	4.0	●	
	Bosch 800 Series WTG86402UC	72	\$1,330	⬇	⬇	⬆	⬆	⬆	4.0	●	
	LG DLEC888W	72	\$720	⬆	⬆	⬆	⬆	⬆	4.2	●	
	GE GFD14ESSNWW	66	\$840	⬇	⊖	⬆	⬆	⬇	4.3	●	
	Fisher & Paykel DE4024P1	60	\$920	—	—	⬇	⬆	⊖	4.0	●	
	Electrolux EFDE210TIW	55	\$900	⬆	⬆	⊖	⬆	⬇	4.0	●	
	Whirlpool WHD5090GW	54	\$1,200	⬇	⊖	⬇	⬆	⬇	4.3	●	●

HOW WE TEST: Overall

Score combines performance test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the clothes dryer they bought. In cases where

we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. **Drying performance** combines performance on three types of laundry loads of different sizes and fabric mixes: A 12-lb. load, predominantly cotton (6-lb. mixed loads for compact models); an 8-lb. load of cotton/polyester-blend clothing; and a 3-lb. load

of synthetic delicates, such as women's pajamas, slips, and underwear. **Convenience** is judged on controls and ergonomics, such as ease of loading and unloading, servicing the lint filter. **Noise** level is determined by a panel of judges who listen while the machines dry an 8-pound load, judging both sound quality and volume. **Price** is approximate retail.

Cooktops

Cooktops can be installed wherever counter space allows—including on an island. Gas and conventional smoothtop electric cooktops dominate the category, but prices are dropping for electric induction.



What to Look For

- All the models we test have at least one high-powered gas burner or electric element, necessary for quick heating.
- If you have a choice in fuel and want the visual feedback of a flame, a gas cooktop is for you; on the other hand, a smoothtop electric makes for easier cleaning.
- Induction speeds heating, thanks to an electromagnetic field that directly heats pans.

What to Skip

- Buying by Btu. Short for “British thermal unit,” the measurement indicates gas used and heat generated—and doesn’t guarantee better or faster cooking.

What You’ll Pay

A cooktop and wall oven can cost \$2,000 or more; some top-rated ranges sell for less than half that.

BUYING ADVICE

Many 30-inch cooktops now have five burners, rather than four, but know that using all five at once often requires some maneuvering.

For more buying advice, go to CR.org/cooktops.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	High heat Low heat	High-power burners Medium-power burners Low-power burners
30-INCH GAS COOKTOPS						
✓	Samsung NA30N7755TS	93	\$1,240	⬆️ ⬆️	⬆️ ⬆️	2 2 1
✓	Samsung NA30N6555TS	92	\$999	⬆️ ⬆️	⬆️ ⬆️	2 2 1
✓	Monogram ZGU30RSLSS	84	\$1,730	⬇️ ⬇️	⬆️ ⬆️	2 3 0
✓	KitchenAid KCGS350ESS	79	\$1,080	⬇️ ⬆️	⬇️ ⬆️	1 3 1
💰	Ikea Framtid 602.887.01	79	\$529	— —	⬇️ ⬆️	1 3 1

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	High heat Low heat	High-power burners Medium-power burners Low-power burners

30-INCH GAS COOKTOPS *Continued*

✓	GE Profile PGP7030SLSS	77	\$1,299	⬆️	⬆️	⬆️	⬆️	2	2	1
✓	Bosch 800 Series NGM8056UC	76	\$1,035	⬆️	⬆️	⬆️	⬆️	1	2	2
✓	Café CGP70302NS1	76	\$1,229	⬆️	⬆️	⬆️	⬆️	2	2	1
	GE JGP5030SLSS	72	\$1,080	⬆️	⬆️	⬆️	⬆️	2	2	1
	Frigidaire FFGC3026SS	70	\$899	⬆️	⬆️	⬆️	⬆️	2	1	1
	GE JGP3530SLSS	66	\$795	⬆️	⬆️	⬆️	⬆️	2	1	1
	Frigidaire Gallery FGGC3047QS	61	\$1,079	⬆️	⬆️	⬆️	⬆️	2	2	1
	Kenmore 32683	61	\$665	⬆️	⬆️	⬆️	⬆️	2	2	1
	KitchenAid KCGS950ESS	55	\$1,440	⬆️	⬆️	⬆️	⬆️	1	3	1
	Electrolux EW30GC60PS	54	\$1,249	⬆️	⬆️	⬆️	⬆️	2	2	1
	KitchenAid KCGD500GSS	42	\$1,800	⬆️	⬆️	⬆️	⬆️	2	1	1
	Whirlpool WCG77US0HS	38	\$855	⬆️	⬆️	⬆️	⬆️	1	3	1
	Maytag MGC7430DS	37	\$720	⬆️	⬆️	⬆️	⬆️	2	1	1

36-INCH GAS COOKTOPS

✓	Samsung NA36N7755TS	93	\$1,415	⬆️	⬆️	⬆️	⬆️	2	2	1
✓	Thermador Masterpiece Star SGSX365TS	81	\$1,999	⬆️	⬆️	⬆️	⬆️	3	2	0
✓	Café CGP70362NS1	76	\$1,329	⬆️	⬆️	⬆️	⬆️	2	2	1
	Viking VGSU53616BSS	75	\$2,320	⬆️	⬆️	⬆️	⬆️	3	2	1
	GE Profile PGP9036SLSS	74	\$1,499	⬆️	⬆️	⬆️	⬆️	2	2	1
	Frigidaire Gallery FGGC3645QS	70	\$779	⬆️	⬆️	⬆️	⬆️	2	2	1
	Wolf CG365P/S	67	\$2,285	⬆️	⬆️	⬆️	⬆️	2	3	0
	Frigidaire Professional FPGC3677RS	62	\$1,449	⬆️	⬆️	⬆️	⬆️	2	2	1
	Maytag MGC9536DS	60	\$905	⬆️	⬆️	⬆️	⬆️	2	2	1

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	High heat Low heat	High-power elements Medium-power elements Low-power elements

30-INCH ELECTRIC SMOOTHTOPS

✓	GE JP5030SJSS	93	\$895	⬆️	⬆️	⬆️	⬆️	1	0	3
✓	GE Profile PP9030SJSS	93	\$1,499	⬆️	⬆️	⬆️	⬆️	2	2	1
✓	Samsung NZ30K7570RG/AA	90	\$1,299	⬆️	⬆️	⬆️	⬆️	1	3	1
✓	Bosch 800 Series NET8068SUC	90	\$1,149	⬆️	⬆️	⬆️	⬆️	1	2	1
✓	KitchenAid KCED600GSS	90	\$1,645	⬆️	⬆️	⬆️	⬆️	2	0	2
✓	KitchenAid KCES550HBL	88	\$1,199	⬆️	⬆️	⬆️	⬆️	2	1	2
💰	GE JP3030SJSS	86	\$545	⬆️	⬆️	⬆️	⬆️	2	0	2
	Maytag MEC8830HB	79	\$775	⬆️	⬆️	⬆️	⬆️	1	2	1
	Frigidaire FFEC3025UB	75	\$699	⬆️	⬆️	⬆️	⬆️	2	0	2
	GE JP3530SJSS	73	\$890	⬆️	⬆️	⬆️	⬆️	2	1	1
	Whirlpool WCE77US0HB	69	\$849	⬆️	⬆️	⬆️	⬆️	2	0	2
	Amana AEC6540KFB	66	\$490	⬆️	⬆️	⬆️	⬆️	1	1	2
	Whirlpool WCE55US0HB	65	\$450	⬆️	⬆️	⬆️	⬆️	1	1	2

30-INCH ELECTRIC INDUCTION COOKTOPS

✓	Samsung NZ30K7880UG/AA	96	\$1,749	⬆️	⬆️	⬆️	⬆️	3	1	0
💰	Frigidaire FFIC3026TB	92	\$780	⬆️	⬆️	⬆️	⬆️	2	2	0
✓	Whirlpool GCI3061XB	92	\$1,345	⬆️	⬆️	⬆️	⬆️	2	0	2
	Dacor Modernist DTI30M977BB	87	\$3,600	—	—	⬆️	⬆️	3	1	0
	Viking Virtuoso 6 Series MVIC6304BBG	80	\$2,749	⬆️	⬆️	⬆️	⬆️	3	1	0

36-INCH ELECTRIC SMOOTHTOPS

✓	Café CEP90361NBB	92	\$1,529	⬆️	⬆️	⬆️	⬆️	2	2	1
✓	Samsung NZ36K7570RG/AA	90	\$1,399	⬆️	⬆️	⬆️	⬆️	2	2	1
✓	LG LCE3610SB	90	\$865	⬆️	⬆️	⬆️	⬆️	2	1	1

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	High heat Low heat	High-power elements Medium-power elements Low-power elements
36-INCH ELECTRIC SMOOTHTOPS <i>Continued</i>						
✓	KitchenAid KCED606GBL	90	\$1,799	⬇️ ⬇️	⬆️ ⬆️	2 1 2
✓	GE JP5036DJBB	85	\$995	⬆️ ⬇️	⬆️ ⬆️	2 1 2
✓	Bosch Benchmark Series NETP668SUC	85	\$1,385	⬇️ ⬆️	⬆️ ⬆️	1 3 1
	Whirlpool WCE55US6HB	79	\$675	⬇️ ⬇️	⬆️ ⬆️	2 0 2
	GE Profile PP7036SJSS	65	\$1,399	⬆️ ⬇️	⬆️ ⬇️	2 2 1
	Café CEP70362MS1	50	\$1,329	⬆️ ⬇️	⬆️ ⬇️	2 2 1

36-INCH ELECTRIC INDUCTION COOKTOPS

✓	Bosch Benchmark Series NITP668SUC	97	\$2,900	⬇️ ⬆️	⬆️ ⬆️	5 0 0
✓	KitchenAid KICU569XBL	96	\$1,890	⬇️ ⬇️	⬆️ ⬆️	5 0 0
✓	Samsung NZ36K7880UG/AA	94	\$1,900	⬇️ ⬇️	⬆️ ⬆️	4 1 0
✓	Frigidaire FPIC3677RF	93	\$1,785	⬇️ ⬇️	⬆️ ⬆️	4 1 0
💰	Frigidaire FFIC3626TB	92	\$850	⬇️ ⬇️	⬆️ ⬆️	3 2 0
	Wolf CI365T/S	86	\$3,115	⬇️ ⬆️	⬆️ ⬆️	3 2 0
	Jenn-Air JIC4536XS	74	\$2,300	⬇️ ⬇️	⬆️ ⬆️	5 0 0

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the por-

portion of CR members who are extremely likely to recommend the cooktop they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (–), we assume the model has average reliability and satisfaction. **High heat** reflects how quickly the

highest-powered burner or element heats a large pot of water to near-boiling. **Low heat** reflects how well the lowest-powered burner or element holds a low heat, and how the most powerful element, set to low, holds tomato sauce below a boil. **Price** is approximate retail.

Dishwashers

New dishwashers use far less energy and water than they did a decade ago, though cycle times can now exceed three hours. The models we recommend



What to Look For

- Soil sensors gauge how dirty the load is and determine the right amount of time and water needed to get everything clean, improving efficiency.
- An adjustable upper rack allows for flexibility when loading dishes.
- A rinse and hold option can help prevent soil from setting and keep odors under control while you wait for a full load.

What to Skip

- Drawer models, which are more expensive and tend to use more energy and water than standard models.

What You'll Pay

A dishwasher with special wash zones, an LED-lit tub, digital displays, and special grime-fighting cycles can cost \$1,000 or more. For models with fewer features, sparkling performance starts at around \$600.

BUYING ADVICE

Generally, the three basic wash cycles—light, normal, and heavy—suffice for most dishwashing needs, even baked-on food.

For more buying advice, go to CR.org/dishwashers.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results				Features		
Recommended				Predicted reliability Owner satisfaction	Washing	Drying	Energy use	Noise	Cycle time (min.)	Interior material	Self-cleaning filter
24-INCH											
Ⓢ	Bosch Ascenta SHX3AR75UC	88	\$700	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	95	SS/P	
✓	Bosch 300 DLX Series SHS863WD5N	84	\$775	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	150	SS	
✓	Bosch 100 Series SHXM4AY55N	83	\$750	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	150	SS/P	

	Brand & Model	Overall Score	Price	Survey Results	Test Results				Features		
Recommended				Predicted reliability Owner satisfaction	Washing	Drying	Energy use	Noise	Cycle time (min.)	Interior material	Self-cleaning filter

24-INCH *Continued*

✓	Thermador DWHD660WFP	83	\$1,800	⬆	⬆	⬆	⬆	⬆	155	SS	
✓	Bosch Benchmark SHX89PW55N	83	\$1,615	⬆	⬆	⬆	⬆	⬆	155	SS	
✓	Thermador DWHD770WFM	82	\$2,300	⬆	⬆	⬆	⬆	⬆	150	SS	
💰	Ikea Renlig IUD7070DS [288921]	82	\$550	⬆	⬇	⬆	⬆	⬇	115	P	
✓	Bosch Benchmark SHX88PZ55N	82	\$1,600	⬆	⬆	⬆	⬆	⬆	150	SS	
✓	KitchenAid KDTM354DSS	82	\$1,150	⬇	⬆	⬆	⬆	⬆	125	SS	●
✓	Miele Classic Plus G4977SCVISF	81	\$1,200	⬆	⬆	⬆	⬆	⬆	150	SS	
✓	Bosch 300 Series SHEM63W55N	81	\$770	⬆	⬆	⬆	⬆	⬆	155	SS	
	Kenmore 14573	79	\$600	⬇	⬇	⬆	⬆	⬆	145	SS	
	Bosch 800 Series SHPM78W55N	79	\$900	⬆	⬆	⬆	⬆	⬆	160	SS	
	Miele Futura Crystal G6665SCVISF	78	\$1,800	⬆	⬆	⬆	⬆	⬆	140	SS	
	KitchenAid KDTM404ESS	77	\$1,005	⬇	⬆	⬆	⬇	⬆	110	SS	●
	Kenmore 14523	77	\$630	⬇	⬇	⬆	⬆	⬆	150	SS	
	Bosch 800 Series SHXM98W75N	77	\$1,150	⬆	⬆	⬆	⬇	⬆	160	SS	
	Miele Dimension G6785SCVISF	76	\$1,900	⬆	⬆	⬆	⬆	⬆	145	SS	
	GE Profile PDF820SSJSS	76	\$1,010	⬇	⬇	⬆	⬇	⬆	150	SS	
	Kenmore Elite 14793	76	\$900	⬇	⬇	⬆	⬇	⬆	145	SS	
	Bosch 500 Series SHPM65W55N	75	\$815	⬆	⬆	⬆	⬇	⬆	160	SS	
	GE Profile PDT855SSJSS	75	\$1,370	⬇	⬇	⬆	⬇	⬆	155	SS	
	Café CDT845P2NS1	75	\$1,100	⬇	⬇	⬆	⬇	⬆	155	SS	
	Bertazzoni DW24XT	74	\$1,105	—	—	⬆	⬇	⬆	135	SS	

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Washing Drying Energy use Noise	Cycle time (min.) Interior material Self-cleaning filter

24-INCH *Continued*

Kenmore 13223	74	\$550	ⓘ ⓘ ⤴ ⤴ ⤴ ⓘ	160	SS	
Thor Kitchen HDW2401SS	73	\$800	— — ⤴ ⓘ ⤴ ⤴	130	SS	
KitchenAid KDPM604KPS	73	\$900	ⓘ ⤴ ⤴ ⤴ ⤴ ⤴	145	SS	●
KitchenAid KDE234GPS	73	\$1,000	ⓘ ⤴ ⤴ ⓘ ⤴ ⤴	135	SS	
Kucht K6502D	73	\$720	— — ⤴ ⓘ ⤴ ⤴	140	SS	
Kenmore 13473	73	\$450	ⓘ ⓘ ⤴ ⤴ ⤴ ⓘ	160	P	
Whirlpool WDT730PAHZ	72	\$500	⤴ ⓘ ⤴ ⤴ ⤴ ⤴	140	SS/P	
KitchenAid KDTM704ESS	72	\$1,710	ⓘ ⤴ ⤴ ⤴ ⤴ ⤴	110	SS	●
Ikea VASKAD [50422663]	72	\$850	⤴ ⓘ ⤴ ⤴ ⤴ ⤴	145	SS	
Ikea SPOLAD [80422355]	72	\$750	⤴ ⓘ ⤴ ⤴ ⤴ ⤴	145	SS	
Ikea Renlig IUD7555DS [90292264]	71	\$550	⤴ ⓘ ⤴ ⓘ ⤴ ⤴	160	SS	
LG LDT7808BM	71	\$1,250	ⓘ ⓘ ⤴ ⤴ ⤴ ⤴	145	SS	

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the dishwasher they bought. In cases where

we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. **Washing** is assessed by running the Normal or equivalent cycle to clean a full load of dishes with baked-on food. **Drying** performance is our assessment of how thoroughly a model dries plastic cups, the most stubborn in any load. **Energy**

use is energy and water use for our test cycle. A panel of testers judge **Noise** levels by listening to each machine through its entire cycle. **Cycle time (min.)**, rounded to the nearest 5 minutes, is based on running the Normal or equivalent cycle to clean a full load. Under **Features**, in **Interior materials**, SS= stainless steel, P=plastic. **Price** is approximate retail.

Gas Grills

You don't have to spend a fortune to get a grill that will consistently deliver great-tasting food. In fact, many midpriced grills now have side burners and other helpful perks once found exclusively on high-end models.



What to Look For

- Burners made of high-quality stainless steel, cast iron, or cast brass, which usually carry a warranty of 10 years or longer.
- Stainless-steel and coated cast-iron grates for sturdiness and rust-resistance.
- A battery-powered electronic igniter.

What to Skip

- Buying by Btu. This measure alone doesn't guarantee

faster pre-heating or better searing and cooking.

What You'll Pay

Plan on \$300 to \$700 for a grill that can handle most of your cooking needs. Several midsize grills that cost less than \$600 outperformed models that cost hundreds of dollars more.

BUYING ADVICE

You might not need as big a grill as you think: We found large grills can typically fit 28 or more 4-inch burgers at once. Medium models fit 18 to 28.

For more buying advice, go to CR.org/gas-grills.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability Owner satisfaction Evenness Preheat performance Temperature range Indirect cooking Convenience Sturdiness							
✓	Weber Genesis II E-310	78	\$750	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Weber Genesis II S-335 61006001	77	\$1,050	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Weber Genesis II E-330 61012001	76	\$900	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Weber Genesis II SE-335 61016201	76	\$1,000	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Weber Summit S-470	76	\$2,100	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

MIDSIZED GAS GRILLS (ROOM FOR 18 TO 28 BURGERS)

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability	Owner satisfaction	Evenness of performance	Preheat performance	Temperature range	Indirect cooking	Convenience	Sturdiness

MIDSIZED GAS GRILLS (ROOM FOR 18 TO 28 BURGERS) *Continued*

✓	Napoleon Rogue 525 RSE525SIBPSS	76	\$1,200	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆
✓	Even Embers GAS8560AS	75	\$395	—	—	⬆	⬆	⬆	⬆	⬆	⬇
✓	Nexgrill Deluxe 720-0896B (Home Depot)	74	\$500	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬇
✓	Nexgrill 720-0896C (Home Depot)	73	\$660	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆
✓	3 Embers GAS9675AF	73	\$850	—	—	⬆	⬆	⬆	⬆	⬆	⬆
💰	Member's Mark GAS0440AS (Sam's Club)	73	\$330	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
✓	Weber Spirit SP-335 46802101	72	\$700	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇
✓	Napoleon Prestige P500RSIB	72	\$1,200	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆
✓	3 Embers GAS7480BS	72	\$785	—	—	⬆	⬆	⬆	⬇	⬇	⬆
✓	Char-Broil Signature 463372017	71	\$430	⬇	⬇	⬆	⬇	⬆	⬆	⬇	⬇
✓	Napoleon LEX485RSIB	71	\$1,200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇
💰	Even Embers GAS7540AS	71	\$320	—	—	⬆	⬆	⬆	⬆	⬇	⬇
💰	Nexgrill 720-0830H (Home Depot)	71	\$270	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬇
✓	Member's Mark GAS0565ASO (Sam's club)	71	\$450	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
✓	Monument Grills 24367	71	\$395	—	—	⬆	⬆	⬆	⬇	⬆	⬇
	RevoAce GBC1748WS (Walmart)	70	\$160	—	—	⬆	⬆	⬆	⬆	⬇	⬆
	Megamaster 720-0983	70	\$240	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬇
	Nexgrill 720-0925S (Home Depot)	70	\$200	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬇
	Weber Spirit E-310 46510001	70	\$530	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆
	Napoleon Rogue R425SBPK	70	\$750	⬆	⬆	⬆	⬇	⬆	⬆	⬇	⬇
	Fuego F275	70	\$1,500	—	—	⬆	⬆	⬆	⬆	⬇	⬆
	KitchenAid 720-0990C (Costco)	68	\$1,500	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Megamaster 720-0982	68	\$220	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬇
	Kenmore 6256595 [PG-40405SOL] (KMart)	68	\$465	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬇
	Napoleon Rogue 525 RXT525PSS-1	68	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬇
	Napoleon Rogue R425SIBPSS	67	\$1,000	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability	Owner satisfaction	Evenness of performance	Preheat performance	Temperature range	Indirect cooking	Convenience	Sturdiness

LARGE GAS GRILLS (ROOM FOR 28 OR MORE BURGERS)

✓	Monument Grills 77352	84	\$540	—	—	⬆	⬆	⬆	⬆	⬆	⬆
✓	Weber Summit E-670	80	\$2,750	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Weber Genesis II E-410	77	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Weber Genesis II S-435 62006001	77	\$1,250	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Napoleon Rogue 625 RXT625SIBPSS-1	76	\$1,100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Napoleon LEX730RSBIPSS	76	\$2,050	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Signateur 5 Burner Item #1500111 (Costco)	75	\$900	—	—	⬆	⬆	⬆	⬆	⬆	⬆
✓	Fuego Premium 3 Burners F36S	74	\$2,000	—	—	⬆	⬆	⬆	⬆	⬆	⬆
✓	Napoleon Prestige Pro 665RSIB	74	\$3,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Broil King Regal S590 Pro 958344	71	\$1,100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Broil King Baron 590 923184	67	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Char-Broil Performance 463276517	66	\$380	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Dyna-Glo DGP552SSP-D	66	\$590	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Grill Zone BG2615B [Item # 204381] (True Value)	65	\$400	—	—	⬆	⬆	⬆	⬆	⬆	⬆
	Broil King Imperial 590 958884	65	\$1,990	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	KitchenAid 720-0893	64	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Saber R67SC0012	64	\$2,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Broil King Regal S520 886114	64	\$1,200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Fervor IC655-S	64	\$1,270	—	—	⬆	⬆	⬆	⬆	⬆	⬆

SMALL GAS GRILLS (ROOM FOR 18 OR FEWER BURGERS)

✓	Weber Genesis II LX S-240	76	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Weber Spirit E-210 46110001	72	\$430	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Weber Spirit II E-210 44020001	71	\$380	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Royal Gourmet MG3000	70	\$330	—	—	⬆	⬆	⬆	⬆	⬆	⬆
	Cuisinart GAS0256AS [Item # 576794497] (Walmart)	69	\$250	—	—	⬆	⬆	⬆	⬆	⬆	⬆
	Napoleon Rogue 365 R365PK-1	68	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Nexgrill Evolution 720-0864M (Home Depot)	68	\$180	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results
Recommended				Predicted reliability Owner satisfaction Evenness performance Preheat performance Temperature range Indirect cooking Convenience Sturdiness	

SMALL GAS GRILLS (ROOM FOR 18 OR FEWER BURGERS) *Continued*

Nexgrill Evolution Infrared 720-0864M (Home Depot)	66	\$180	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Dyna-Glo DGF350CSP-D	66	\$150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Blue Rhino GBC1932L [Item #1139071] (Lowe's)	66	\$150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Dyna-Glo DGC310CNP	65	\$120	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Char-Broil Signature 463675517	64	\$430	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Expert Grill XG10-101-002-02 [Item # 577812180] (Walmart)	64	\$100	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Dyna-Glo DGP321SNP-D	64	\$400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Dyna-Glo DGH485CRP	64	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
RevaAce GBC1729W (Walmart)	63	\$130	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Megamaster 720-0864MA	63	\$200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Huntington Cast 3400 30040 (Home Depot)	62	\$200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Broil King Gem 320 814154	62	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Char-Broil Commercial TRU-Infrared 463642316 [Item #748075] (Lowe's)	62	\$280	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the gas grill they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray

dash (—), we assume the model has average reliability and satisfaction. To measure **Evenness performance**, we use thermocouples to map the evenness of heating over the grill's surface at the highest and lowest setting using all main burners—plus the evenness after a 10-minute preheat. **Preheat performance** evaluates the temperature after a 10-minute preheat, giving an indication of how quickly the grill reaches its maximum temperature. **Temperature**

range reflects how wide a temperature span the grill offers, comparing temperatures at the high and low setting using all main burners. **Indirect cooking** indicates grill temperature when only one or two of the burners are on, to represent a cooking task where the food is placed between or alongside the direct flame. **Convenience** includes grate material, wheels or casters for moving the grill, and useful features such as electronic igniter. **Price** is approximate retail.

Generators

The best portable generators cost about \$1,000 and can power your fridge and other essentials. Larger home standby models can power central A/C and more—and start automatically if the power goes out.



What to Look For

- Enough wattage for your needs. Plan on at least 5,000 watts to cover the basics; 10,000 watts or more for central A/C, an electric range, and a washer/dryer.
- All stationary units have a propane or natural-gas hookup, which saves the storage and potential sourcing hassles of gasoline.
- Automatic low-oil shutoff, which protects the engine from internal damage.
- For portables, look for life-saving safety features like a carbon monoxide shut-off.

Choose a generator that complies with PGMA G300 or UL 2201 safety standards, marked on the packaging.

What to Skip

- Disregard big surge claims; the best units can handle the extra watts that some appliances draw when they cycle on.

What You'll Pay

A portable unit with 5,000 to 8,000 watts will run \$600 to \$1,500; stationary units start at \$2,000 and can cost well above \$3,500 (plus installation).

BUYING ADVICE

Factor in an extra \$500 to \$900 for a transfer or interlock switch, which safely connects a generator to your circuit panel.

Always operate a generator 20 feet from the house, with the exhaust pointed away.

For more buying advice, go to [CR.org/generators](https://www.consumerreports.org/generators).

Tested products in performance order.

	Brand & Model	Overall Score	Price	Test Results					Features			
Recommended				Power delivery	Power quality	Noise	Ease of use	CO safety technology	Claimed output (watts)	Fuel type	Electric start	Fuel gauge
PORTABLE GENERATORS (7000-8000 WATTS)												
✓	Cat RP8000 E	72	\$1,150	⬆️	⬆️	⬇️	⬆️	⬇️	8000	gas	●	●
✓	DeWalt PMC168000	71	\$1,050	⬆️	⬆️	⬇️	⬆️	⬇️	8000	gas	●	
	Generac XT8000EFI	70	\$1,380	⬆️	⬆️	⬇️	⬆️	⬇️	8000	gas	●	●

	Brand & Model	Overall Score	Price	Test Results					Features			
Recommended				Power delivery	Power quality	Noise	Ease of use	CO safety technology	Claimed output (watts)	Fuel type	Electric start	Fuel gauge

PORTABLE GENERATORS (7000-8000 WATTS) *Continued*

	Generac 7675	68	\$1,000	⬆️	⬆️	⬇️	⬆️	⬆️	8000	gas	●	●
	Ryobi RY907000FI	62	\$1,000	⬆️	⬆️	⬇️	⬆️	⬇️	7000	gas	●	
	Generac RS7000E	60	\$1,000	⬆️	⬆️	⬇️	⬆️	⬇️	7000	gas	●	●

PORTABLE GENERATORS (5000-6900 WATTS)

✓	Generac 7680	73	\$800	⬆️	⬆️	⬇️	⬆️	⬆️	6500	gas		●
✓	Briggs & Stratton 30728	72	\$800	⬆️	⬆️	⬇️	⬆️	⬆️	6250	gas		●
✓	Generac 7683	71	\$850	⬆️	⬆️	⬇️	⬆️	⬇️	6500	gas		●
	DeWalt DXGNR6500	68	\$900	⬆️	⬆️	⬇️	⬆️	⬇️	6500	gas		●
	Ryobi RY906500S	67	\$800	⬆️	⬆️	⬇️	⬆️	⬆️	6500	gas		

SMALL HOME GENERATORS

💰	Champion 100174	94	\$2,350	⬆️	⬆️	⬆️	⬆️	NA	NG 7500 LPG 8500	LPG/ NG	●	
✓	Winco PSS8B	92	\$4,400	⬆️	⬆️	⬇️	⬆️	NA	NG 7600 LPG 8400	LPG/ NG	●	
✓	Kohler 8RESV	90	\$2,400	⬆️	⬆️	⬇️	⬆️	NA	NG 7000 LPG 8,000	LPG/ NG	●	
	Briggs & Stratton 040445	73	\$2,400	⬆️	⬇️	⬇️	⬆️	NA	NG 7200 LPG 8000	LPG/ NG	●	

LARGE HOME GENERATORS

✓	Champion 100179	93	\$3,000	⬆️	⬆️	⬇️	⬆️	NA	NG 11000 LPG 12500	LPG/ NG	●	
✓	Cummins RS13A	91	\$3,400	⬆️	⬆️	⬇️	⬆️	NA	NG 13000 LPG 13000	LPG/ NG	●	
✓	Briggs & Stratton 040546	90	\$3,600	⬆️	⬆️	⬇️	⬆️	NA	NG 10800 LPG 12000	LPG/ NG	●	

RECREATIONAL INVERTERS (UNDER 2000 WATTS)

✓	Echo EGI-2300	76	\$850	⬆️	⬆️	⬆️	⬆️	⬆️	1800	gas		●
✓	DeWalt DXGNI2200	75	\$650	⬆️	⬆️	⬆️	⬆️	⬆️	1700	gas		
	Westinghouse iGen2500	65	\$550	⬆️	⬆️	⬆️	⬆️	⬇️	2200	gas		●

	Brand & Model	Overall Score	Price	Test Results					Features			
Recommended				Power delivery	Power quality	Noise	Ease of use	CO safety technology	Claimed output (watts)	Fuel type	Electric start	Fuel gauge

RECREATIONAL INVERTERS (UNDER 2000 WATTS) *Continued*

	Honda EU2200i	64	\$1,160	⬆️	⬆️	⬆️	⬆️	⬇️	1800	gas		
	Yamaha EF2000isV2	61	\$900	⬆️	⬆️	⬆️	⬆️	⬇️	1600	gas		●
	Predator 62523	60	\$500	⬆️	⬆️	⬆️	⬆️	⬇️	1600	gas		●
	Honeywell 6066	60	\$600	⬆️	⬆️	⬆️	⬆️	⬇️	2000	gas		

MID-SIZED INVERTERS (110 VOLTS)

✓	Echo EGI-4000	84	\$950	⬆️	⬆️	⬇️	⬆️	⬆️	3400	gas		●
✓	Ryobi RYi4022X	84	\$550	⬆️	⬆️	⬇️	⬆️	⬆️	3400	gas		
✓	Briggs & Stratton 30795	82	\$1,100	⬆️	⬆️	⬆️	⬆️	⬇️	3700	gas	●	●
	Honda EU3000is	74	\$2,000	⬆️	⬆️	⬆️	⬆️	⬇️	2800	gas	●	●
	Predator 3500	72	\$770	⬆️	⬆️	⬆️	⬆️	⬇️	3000	gas	●	
	Champion 100261	69	\$1,050	⬆️	⬆️	⬆️	⬆️	⬇️	3100	gas	●	

LARGE INVERTERS (220 VOLTS)

	Honda EU7000is	66	\$4,000	⬆️	⬆️	⬆️	⬆️	⬇️	5500	gas	●	●
	Yamaha EF6300ISDE	51	\$3,600	⬇️	⬆️	⬆️	⬆️	⬇️	5500	gas	●	●

HOW WE TEST: Overall Score is based on the performance of the product in all of our tests. **Power delivery** indicates how much wattage models deliver and how well they handle surges in power demand over various loads. **Power quality** evaluates a generator's ability to deliver power smoothly, with

consistent voltage. **Noise** is measured at 23 and 50 feet from the generator. **Ease of use** includes starting, transport (for portables), and helpful features such as fuel shutoff. **CO safety** captures whether a generator shuts off when CO builds in an enclosed space, and reflects CO emissions in

a partially-enclosed space. Under **claimed output (watts)** and **fuel type**, LPG=propane and NG=natural gas. **Price** is approximate retail. **Note:** Portables have a run time of about 6 to 18 hours on a tank of gas; stationary models run on natural gas indefinitely.

QUICK GUIDE

Lawn Mowers

Lawn size and slope should steer your decision. Most people opt for self-propelled gas mowers, which require regular upkeep and oil changes; self-propelled battery mowers require little more than blade sharpening.



What to Look For

- If you have a small, level lawn, a less-expensive push mower will do the trick.
- If, on the other hand, your yard has hills, a self-propelled mower (especially one with rear-wheel drive) will make the job easier.
- A blade-brake clutch, which stops the blade when you release the handlebar lever, allows the mower to safely idle while you, say, move a rock or empty the grass clippings when bagging.

- A washout port that accepts a hose for easy deck cleaning.

What to Skip

- Larger engines don't guarantee better mowing, and high rear wheels don't always help with handling.

What You'll Pay

About \$400 to \$1,000 for gas self-propelled mowers; \$350 to \$850 for battery models; and about \$300 for capable push gas mowers.

BUYING ADVICE

We test how well each mower works in three cutting modes (mulching, bagging, and side-discharging). Find a model that earns high marks in your preferred mode.

For more buying advice, go to CR.org/mowers.

Tested products in performance order.

	Brand & Model	Overall score	Price	Survey Results	Test Results						
Recommended				Predicted reliability Owner satisfaction	Side discharging	Mulching	Bagging	Evenness	Handling	Noise at ear	Noise at 25 ft.
GAS SELF-PROPELLED MOWERS											
✓	Honda HRX217K6HZA	88	\$850	⬆️ ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️
✓	Honda HRN216VLA	85	\$510	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✓	Honda HRX217K6VKA	84	\$600	⬆️ ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️
✓	Toro Super Recycler 21387	75	\$600	⬇️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️

	Brand & Model	Overall score	Price	Survey Results	Test Results							
Recommended				Predicted reliability Owner satisfaction	Side discharging	Mulching	Bagging	Evenness	Handling	Noise at ear	Noise at 25 ft.	

GAS SELF-PROPELLED MOWERS *Continued*

✓	Toro Super Recycler 21386	74	\$500	↓	↑	↑	↑	↑	↑	↓	↑	
✓	Toro Super Recycler 21385	73	\$550	↓	↑	↑	↑	↑	↑	↓	↓	
✓	Honda HRS216K6 VKA	71	\$400	↑	↑	↑	—	↑	↑	↓	↑	
✓	Cub Cadet SC 700h	70	\$550	↓	↑	↑	↑	↑	↑	↓	↑	
✓	Cub Cadet SC 900	69	\$450	↓	↑	—	↑	↑	↑	↓	↓	
✓	Toro Recycler SmartStow 20340	69	\$400	↓	↑	↑	↑	↑	↑	↓	↓	
✓	Toro Recycler 20333	68	\$400	↓	↑	↑	↑	↑	↑	↓	↓	
✓	Toro PowerReverse Recycler SmartStow 20355	68	\$450	↓	↑	↑	↑	↑	↑	↓	↓	
\$	Toro Recycler 20332	67	\$360	↓	↑	↑	↑	↑	↑	↓	↓	

GAS PUSH MOWERS

✓	Honda HRN216PKA	78	\$400	↑	↑	↑	↑	↑	↑	↓	↓	
✓	Cub Cadet SC100 HW	72	\$300	↑	↑	↑	↑	↑	↑	↓	↓	
✓	Troy-Bilt TB160 XP	70	\$280	↑	↓	↑	↑	↑	↑	↓	↓	
✓	Snapper 2691610	68	\$300	—	—	↓	↑	↓	↑	↓	↑	
\$	Troy-Bilt TB 115	68	\$230	↑	↓	↑	↓	↓	↑	↓	↓	
✓	Toro Recycler SmartStow 21329	68	\$300	↓	↓	↑	↑	↑	↑	↓	↓	
✓	Toro Recycler 21320	66	\$270	↓	↓	↑	↑	↑	↑	↓	↑	

GAS WIDE-DECK SELF-PROPELLED MOWERS

\$	Troy-Bilt TB WC28	74	\$850	↓	↓	↑	↑	↑	↑	↓	↓	
✓	Toro Timemaster 21199	73	\$1,000	↓	↑	↑	↑	↑	↑	↓	↓	

	Brand & Model	Overall score	Price	Survey Results	Test Results
Recommended				Predicted reliability Owner satisfaction	Side discharging Mulching Bagging Evenness Handling Run time Charge time

BATTERY PUSH MOWERS

\$	Ego LM2101	75	\$400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Stihl RMA 510	71	\$550	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Toro 20367	67	\$500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️
✓	Ryobi RY401110	65	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️

BATTERY SELF-PROPELLED MOWERS

✓	Ego LM2142SP	77	\$750	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
\$	Ego LM2102SP	76	\$550	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Ego LM2135SP	75	\$660	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Toro Recycler 20363	70	\$550	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️
✓	GreenWorks 2510802	70	\$700	⬆️	⬆️	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the lawn mower they bought. In cases where

we have insufficient data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. For **mulching** we measure how well mowers can churn grass into clippings that recede into the surrounding lawn. For **bagging**, we determine how easy it is to attach and remove the bag, then record the weight of a full bag. For **side discharging**, we measure how evenly grass

clippings are cut and dispersed through the discharge chute, favoring models that don't leave big clumps of grass behind. **Evenness** is our measurement of how evenly the mower cuts. **Handling** is ease of using drive controls, pushing, pulling, U-turns, and other maneuvers. **Engine size (cc)** is measured in cubic centimeters, unless otherwise specified. **Price** is approximate retail for mowers and attachments.

Lawn Tractors

Zero-turn mowers have nimble levers for steering that provide handling and excellent maneuverability. Lawn tractors operate more like cars, offering more familiar steering.



What to Look For

- A washout port that accepts a hose for cleaning.
- A fuel gauge, or a clear fuel tank, that's visible from the drivers' seat.
- If storage space is tight, a more compact rear-engine rider might be the right fit.
- No matter which type of rider you choose, we prefer a high-back seat for added comfort and support.

What to Skip

- Zero-turn mowers for steep slopes—they can be difficult to steer and stop.

What You'll Pay

Anywhere from \$1,500 to more than \$3,000 for tractors; \$2,300-plus for many zero-turn mowers.

BUYING ADVICE

If you're torn between a tractor and a zero-turn mower, consider a test drive. Some stores will let you rent a mower for the day.

For more buying advice, go to [CR.org/tractors](https://www.consumerreports.org/tractors).

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Predicted reliability Owner satisfaction	Side discharging	Mulching	Bagging	Evenness	Handling	Noise at ear	Noise at 25 ft.	

LAWN TRACTORS

✓	John Deere X350-42	91	\$3,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	John Deere S240-48	90	\$2,600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	John Deere E160	90	\$2,300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
💰	John Deere E130	88	\$2,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
💰	John Deere E140	86	\$2,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

	Brand & Model	Overall Score	Price	Survey Results	Test Results
Recommended				Predicted reliability Owner satisfaction	Side discharging Mulching Bagging Evenness Handling Noise at ear Noise at 25 ft.

LAWN TRACTORS ZERO-TURN

✓	Toro MYRIDE TimeCutter 75755	88	\$3,700	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
✓	John Deere Z375R-54	86	\$3,500	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
✓	John Deere Z355E	86	\$2,900	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
✓	John Deere Z345R-42	86	\$2,800	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
💰	Toro TimeCutter SS4225 75742	85	\$2,500	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
✓	Toro 75750	85	\$3,100	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
💰	John Deere Z335E-42	84	\$2,500	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
✓	Craftsman Z530	83	\$2,700	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
✓	Gravely ZT HD 48 991152	81	\$4,200	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
✓	Cub Cadet RZT SX 42	80	\$3,000	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️
✓	Cub Cadet Ultima ZT2-50	80	\$3,700	⬆️ ⬆️	⬆️ ⬆️ NA ⬆️ ⬆️ ⬆️ ⬆️

REAR ENGINE RIDERS

✓	Cub Cadet CC30e (Battery)	69	\$2,800	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
✓	Ryobi R48110 (Battery)	65	\$2,500	— —	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
💰	Cub Cadet CC30 H	65	\$1,300	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the lawn tractor they bought. In cases where we have insufficient

data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. For **Side discharging**, we measure how evenly grass clippings are cut and dispersed through the discharge chute, favoring models that don't leave big clumps of grass behind. We prioritize **Mulching**, our recommended method, and measure how well mowers can churn grass into clippings

that readily recede into the surrounding lawn. For **Bagging**, we determine how easy it is to attach and remove the bag, then record the weight of a full bag. Evenness is our measurement of how evenly the mower cuts. **Handling** is ease of using drive controls, making U-turns, and other maneuvers. **Engine power (hp)** is measured in horsepower, unless otherwise specified. **Price** is approximate retail.

Mattresses

Foam beds-in-a-box get a lot of attention, but traditional innerspring mattresses remain the biggest sellers. No matter which type you prefer, the key to comfort is support.



What to Look For

- Use our ratings to select a mattress that scores Very Good or Excellent for your size and sleep position.
- Return windows can range from a couple of weeks to 120 days. Make sure the retailer offers a refund or credit toward another mattress, in case you aren't totally happy with the one you selected.

What to Skip

- A layer of gel-infused foam, touted to provide a cooling effect, doesn't guarantee cooler sleep.

What You'll Pay

You'll find a huge range of prices. But you don't have to spend much more than \$1,000 for a comfortable, supportive mattress—and you can certainly spend less.

BUYING ADVICE

If possible, lie on any mattress you're considering, spending at least 10 to 15 minutes on each side, your back, and your stomach.

For more buying advice, go to [CR.org/mattresses](https://www.consumerreports.org/mattresses).

Tested products in performance order.

Recommended	Brand & Model	Overall Score	Price	Survey Results		Test Results									
				Comfort	Owner satisfaction	Support						Durability	Stabilization	Firmness rating	
						Petite side sleeper	Average side sleeper	Large/Tall side sleeper	Petite back sleeper	Average back sleeper	Large/Tall back sleeper				
INNERSPRING															
✓	Avocado Green	85	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	7
✓	Casper The Casper Hybrid 2019	83	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	3
✓	Ethan Allen EA Signature Platinum Plush	81	\$2,250	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5

	Brand & Model	Overall Score	Price	Survey Results		Test Results							
Recommended				Comfort	Owner satisfaction	Support							
						Petite side sleeper	Average side sleeper	Large/Tall side sleeper	Petite back sleeper	Average back sleeper	Large/Tall back sleeper	Durability	Stabilization
													Firmness rating

INNERSPRING *Continued*

✓	Charles P. Rogers Powercore Estate 5000	80	\$1,500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	6
✓	Avocado Green Mattress Pillowtop	79	\$1,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	5
✓	Sealy Response Performance Briar Rose 11.5" Cushion Firm	78	\$900	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆	5
💰	Beautyrest BR-800 12" Medium Firm	77	\$770	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	6
✓	Charles P. Rogers Real Bed	77	\$950	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	3
💰	Tuft & Needle Nod Hybrid MAT-NODH-01-Q	76	\$675	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	4
✓	Hotel Collection by Aireloom Coppertech 12" Firm Tight top	76	\$1,800	⬆	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	6
✓	Charles P. Rogers St. Regis Pillowtop	76	\$1,160	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆	6
✓	Sealy Posturepedic Performance Copper II	76	\$1,580	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	4
✓	WinkBeds The WinkBed Luxury Firm	75	\$1,600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	5
💰	Beautyrest Silver BRS900-TSS Medium Firm Tight Top	75	\$790	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	4
✓	Sealy Posturepedic Premium Silver Chill	75	\$2,000	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬇	3
💰	Sealy Posturepedic Lawson LTD Cushion Firm	75	\$710	⬇	⬇	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆	5
✓	King Koil Luxury Almond 13" Plush	75	\$920	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	5

	Brand & Model	Overall Score	Price	Survey Results	Test Results									
Recommended				Comfort	Owner satisfaction	Support						Durability	Stabilization	Firmness rating
						Petite side sleeper	Average side sleeper	Large/Tall side sleeper	Petite back sleeper	Average back sleeper	Large/Tall back sleeper			

INNERSPRING *Continued*

✓	Diamond Intention Hybrid	75	\$1,200	—	—	⬇	⬇	⬇	⬆	⬆	⬇	⬆	⬆	2
✓	Tuft & Needle Hybrid with Pillow top	74	\$1,345	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	4
✓	Beautyrest Black L-Class	74	\$2,100	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆	6
✓	Nest Bedding Alexander Signature Hybrid Copper Infused Thermo Phase Change Cooling Fabric	74	\$1,300	⬆	⬆	⬆	⬆	⬇	⬆	⬇	⬇	⬆	⬆	2
💰	Denver Mattress Doctor's Choice Plush	74	\$580	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	3
💰	Allswell Luxe Hybrid	74	\$585	—	—	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	7
✓	Bedgear M3 1.0 Medium Firm	73	\$1,650	—	—	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	5
✓	Serta iSeries Hybrid 500 14" Cushion Firm	73	\$1,900	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	5
✓	Saatva Flagship Luxury Firm Eurotop	73	\$1,100	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬇	3
✓	Purple 3	73	\$2,200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	3
✓	Sealy Posturepedic Performance Lawson Euro Pillowtop	73	\$1,670	⬇	⬇	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬆	6
💰	Classic Brands Sleep Trends Davy	73	\$780	⬇	⬆	⬆	⬆	⬇	⬆	⬆	⬇	⬆	⬆	4
	Denver Mattress Doctor's Choice Euro Top	72	\$750	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	3
	Shifman Metropolitan Delancy Collection	72	\$2,570	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	3
	Ethan Allen EA Signature Firm	72	\$1,425	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	7
	Duxiana DUX 1001	72	\$4,950	—	—	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬇	4

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Comfort Owner satisfaction	Support						Durability Stabilization Firmness rating	
					Petite side sleeper	Average side sleeper	Large/Tall side sleeper	Petite back sleeper	Average back sleeper	Large/Tall back sleeper		

INNERSPRING *Continued*

	Sealy Response Performance Elm Avenue Firm 11	72	\$600	⊖	⊖	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	6
	Kingsdown Crown Imperial Empire	72	\$1,800	⊖	⊖	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	3
	Sealy Response Performance Beech Street Eurotop Cushion Firm	72	\$800	⊖	⊖	⊖	⊖	⊖	⬆	⬆	⬆	⬆	⬆	5
	Sealy Posturepedic Essentials Trust II	72	\$1,100	⊖	⊖	⬆	⊖	⊖	⬆	⬆	⬆	⬆	⬆	4
	Ikea Hidasund	72	\$650	⊖	⊖	⊖	⊖	⊖	⬆	⬆	⬆	⬆	⊖	7
	Helix Sleep Midnight Luxe	72	\$1,745	—	—	⬆	⬆	⬆	⬆	⬆	⊖	⬆	⊖	4
	Stearns & Foster Estate Hurston 14" Cushion firm tight top	72	\$1,500	⊖	⊖	⬆	⬆	⬆	⬆	⬆	⊖	⬆	⊖	4
	Stearns & Foster Estate Rockwell Luxury Ultra Firm 13.5 Inch	71	\$1,800	⊖	⊖	⬆	⊖	⊖	⬆	⬆	⬆	⬆	⊖	5
	Leesa Hybrid Mattress	71	\$1,595	⬆	⬆	⬆	⊖	⊖	⬆	⬆	⊖	⬆	⬆	3
	Stearns & Foster Lux Estate Cassatt	71	\$2,300	⊖	⊖	⬆	⊖	⊖	⬆	⬆	⬆	⬆	⊖	4
	MLily Fusion Luxe	70	\$1,200	—	—	⬆	⊖	⊖	⬆	⬆	⊖	⬆	⊖	4
	Sealy Posturepedic Performance Kelburn II	70	\$1,300	⊖	⊖	⬆	⬆	⬆	⬆	⬆	⊖	⬆	⊖	5
	The Original Mattress Factory Orthopedic Luxury Firm	70	\$630	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⊖	⊖	⊖	4
	Serta Perfect Sleeper Hybrid Standale II Luxury	70	\$1,020	⊖	⊖	⬆	⬆	⊖	⬆	⬆	⬆	⬆	⬆	6
	Restonic Biltmore Ornate Super Pillowtop	70	\$1,220	⊖	⊖	⬆	⬆	⬆	⊖	⊖	⊖	⬆	⊖	2

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Comfort Owner satisfaction	Support						Durability Stabilization Firmness rating	
					Petite side sleeper	Average side sleeper	Large/Tall side sleeper	Petite back sleeper	Average back sleeper	Large/Tall back sleeper		

INNERSPRING *Continued*

	OrganicPedic by OMI Stella	70	\$2,000	—	—	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	4
	Sealy Posturepedic Plus Warrenton V 13 Inch Medium	70	\$1,050	⬇	⬇	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬆	4
	Beautyrest BRX1000-IP	70	\$1,200	⬇	⬇	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	4
	MacyBed by Serta Elite 13" Luxury Firm	70	\$900	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	3
	Amore Beds Hybrid	70	\$950	—	—	⬆	⬇	⬇	⬆	⬆	⬇	⬆	⬇	6

FOAM

✓	Essentia Stratami	82	\$3,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	6
\$	Sleep on Latex Pure Green Firm	81	\$795	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	7
✓	Casper The Casper Original All-Foam 2019	81	\$1,095	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	5
✓	Reverie Dream Supreme II Hybrid Sleep System Firm	80	\$3,600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	4
✓	Tuft & Needle Mint	78	\$995	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	4
✓	BedInABox Tranquillum	78	\$1,200	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	6
\$	Novaform Serafina Pearl Medium (Costco)	77	\$800	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬇	5
✓	Lull The Lull	77	\$800	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	6
✓	GhostBed GhostBed	76	\$895	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	7
✓	Nest Bedding Love & Sleep	76	\$700	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆	4
\$	Novaform 10" SoFresh Responsive Foam	76	\$500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	5
✓	Purple The Purple Mattress	76	\$1,000	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬇	⬆	⬆	3
✓	GhostBed Luxe	76	\$1,180	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬇	⬆	⬆	4

	Brand & Model	Overall Score	Price	Survey Results	Test Results									
Recommended				Comfort	Owner satisfaction	Support						Durability	Stabilization	Firmness rating
						Petite side sleeper	Average side sleeper	Large/Tall side sleeper	Petite back sleeper	Average back sleeper	Large/Tall back sleeper			

FOAM Continued

\$	Sleep Innovations Marley	75	\$275	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	7
✓	Sealy Essentials 12"	75	\$800	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬇	2
\$	Signature Sleep Gold Inspire	74	\$305	—	—	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	6
\$	Tuft & Needle T&N Original Mattress	74	\$535	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	5
✓	Saatva Zenhaven Latex	74	\$1,900	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬇	3
✓	Sleepy's 10" Medium Quilted Foam Mattress mfi130999	74	\$640	—	—	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	6
✓	Serta SleepToGo	74	\$500	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	5
\$	Spa Sensations by Zinus 12" Theratouch M-FMS-1200Q	74	\$330	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆	5
✓	Serta iComfort CF3000	74	\$1,650	⬇	⬇	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬇	4
✓	Tempur-Pedic Tempur-ProAdapt Firm	73	\$3,000	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬇	7
✓	My Pillow 10" Mattress	73	\$900	—	—	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆	6
✓	Rivet M-MAT-10000-QN-WHT	73	\$510	—	—	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬇	4
✓	Reverie Dream Supreme II Hybrid Sleep System Medium	73	\$3,600	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	3
✓	Serta iComfort Blue 100CT Gentle Firm	73	\$1,200	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	5
✓	Tulo Medium	73	\$400	—	—	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	3
✓	Nectar The Nectar	73	\$795	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬇	6
	Sleep Science Black Diamond 11" Memory Foam Queen Firm	72	\$900	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬇	6

⬇ POOR — EXCELLENT

✓ RECOMMENDED \$ CR BEST BUY

	Brand & Model	Overall Score	Price	Survey Results	Test Results									
Recommended				Comfort	Owner satisfaction	Support						Durability	Stabilization	Firmness rating
						Petite side sleeper	Average side sleeper	Large/Tall side sleeper	Petite back sleeper	Average back sleeper	Large/Tall back sleeper			

FOAM Continued

	Bear Queen	71	\$650	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	6
	Renue 12-inch Memory Foam	71	\$650	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4
	Serta iComfort CF2000	71	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5
	Serta Perfect Sleeper 10"	71	\$640	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	6
	OrganicPedic by OMI Flora Nouveau	70	\$2,300	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4
	Classic Brands Cool Gel 1.0 Ultimate Gel Memory Foam	70	\$420	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4

ADJUSTABLE AIR

✓	Sleep Number 360 p6 Smart Bed	80	\$2,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4
\$	Sleep Number 360 c2 Smart Bed	80	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	7
✓	Saatva Solaire	78	\$2,700	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4

HOW WE TEST: Overall Score is based on the performance of the product in all of our tests and member response. The Survey Results section includes two ratings based on a decade's worth of our members' survey feedback on nearly 75,000 mattresses. **Comfort score** is based on our mattress survey data in which our members rate their mattress purchases using a 5-point rating system from Very Poor to Excellent. **Owner satisfaction** is based on a 5-point rating system from completely dissatisfied to

completely satisfied with their purchase. **Side sleeper** is the ability to keep a side sleeper's spine relatively horizontal. **Back sleeper** is the ability to maintain the natural curve of a back sleeper's spine. In our **support tests** we use a woman 4 feet 11½ inches to 5 feet 1½ inches, and 110 to 127.5 pounds for the **petite sleeper** scores, and a man 6 feet 2 inches to 6 feet 4 inches and 220 to 242 pounds for the **large/tall sleeper** scores. The **average sleeper** is an average of the other two. **Durability** gauges a mattress'

ability to keep its original shape, height, firmness, and support after a simulated eight to 10 years of use, including our passing a nearly 310-pound roller over each mattress 30,000 times. A high score for **stabilization** indicates little or no bouncing or vibration transferred. We rate **firmness** on a scale of 1 to 10, with 10 being the firmest. **Price** is approximate retail for a queen-size mattress without a box spring.

QUICK GUIDE

Microwaves

Whether you'll set it on the kitchen counter, hide it in cabinetry, or install it over the range, start with a microwave that heats and defrosts evenly before considering specialty features and shortcuts.



What to Look For

- A sensor helps prevent over- or under-cooking by measuring emitted steam to gauge when food is done.

What to Skip

- If you mostly reheat food, you don't need a raft of pre-programmed shortcut keys.
- Features like browning and grilling add versatility, but you shouldn't expect a microwave to do either very well.

What You'll Pay

- Generally, more affordable countertop models, which run between about \$80 and \$300, are best for kitchens with ample counter space. Be sure to check dimensions as you shop. Over-the-range microwaves can be had for \$300 or less, though many cost upward of \$400. These mounted appliances save space but don't vent as well as a capable range hood.

BUYING ADVICE

The higher the wattage, the higher the cooking power. But differences of 100 watts or so aren't noticeable.

For more buying advice, go to CR.org/microwaves

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results
Recommended				Predicted reliability Owner satisfaction Heating evenness Defrosting evenness Speed of heating Microwaving noise Ease of use Venting (air flow)	

OVER-THE-RANGE MICROWAVES

✓	Whirlpool WMH53521H	86	\$470	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Whirlpool WMH75021HZ	85	\$470	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	GE Profile PVM9005SJSS	80	\$500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Café CVM721M2NS5	80	\$855	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	KitchenAid KMHS120ESS	79	\$585	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

POOR ————— EXCELLENT

RECOMMENDED CR BEST BUY

	Brand & Model	Overall Score	Price	Survey Results	Test Results					
Recommended				Predicted reliability Owner satisfaction	Heating evenness	Defrosting evenness	Speed of heating	Microwaving noise	Ease of use	Venting (air flow)

OVER-THE-RANGE MICROWAVES *Continued*

✓	LG LMV2031ST	78	\$350	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	LG LMH2235ST	77	\$450	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	Frigidaire Professional FPBM3077RF	77	\$595	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	Kenmore 83337	76	\$405	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Whirlpool WML55011HS	75	\$405	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Frigidaire Gallery FGMV17WNVF	75	\$380	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Kenmore 87583	74	\$500	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	GE JVM3160RFSS	74	\$250	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Frigidaire FFMV1645TD	72	\$320	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Frigidaire Gallery FGMV176NTD	72	\$350	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️

SMALL COUNTERTOP MICROWAVES

	AmazonBasics Works with Alexa S9N29R	63	\$60	— —	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA
	Avanti MO7191TW	55	\$70	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA
	Sharp SMC0710BB/ BW	52	\$80	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA
	Panasonic NN-SD372SR	51	\$150	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA

MIDSIZED COUNTERTOP MICROWAVES

	General GEW1000E	78	\$310	— —	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA
	Panasonic NN-GN68KS with FlashXpress, 3-in-1	76	\$300	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA
	Panasonic NN-SN686S	75	\$175	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA
	Farberware Black FMO12AHTBSG	74	\$110	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA
	Summit SCM1000SS	73	\$320	— —	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA

LARGE COUNTERTOP MICROWAVES

✓	Panasonic NN-SE785S	86	\$330	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA
✓	Panasonic NN-SD975S	82	\$250	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA

	Brand & Model	Overall Score	Price	Survey Results	Test Results
Recommended				Predicted reliability Owner satisfaction	Heating evenness Defrosting evenness Speed of heating Microwaving noise Ease of use Venting (air flow)

LARGE COUNTERTOP MICROWAVES *Continued*

✓	Panasonic NN-SN966S	81	\$250	⬇️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ NA
✓	Panasonic NN-SD945S	81	\$215	⬇️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ NA
✓	Panasonic NN-SD745S	77	\$220	⬇️ ⬆️ ⬇️ ⬆️ ⬆️	⬆️ ⬆️ NA
✓	LG LMC1575	77	\$220	⬆️ ⬇️ ⬆️ ⬆️ ⬆️	⬆️ ⬇️ NA
✓	Panasonic NN-SN736B	76	\$190	⬇️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ NA
✓	GE Profile JES2251SJ	76	\$280	⬇️ ⬇️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ NA
	Toshiba EC042A5C-BS	73	\$195	⬆️ ⬇️ ⬆️ ⬆️ ⬇️	⬆️ ⬆️ NA
	Amazon Smart Oven plus Echo Dot	73	\$250	— — ⬆️ ⬆️ ⬇️	⬆️ ⬆️ NA
	Kenmore 71613	72	\$155	⬇️ ⬇️ ⬆️ ⬆️ ⬇️	⬆️ ⬆️ NA
	GE Profile PES7227SLSS	71	\$350	⬇️ ⬇️ ⬇️ ⬇️ ⬆️	⬆️ ⬆️ NA

BUILT-IN MICROWAVES

	Sharp SMD3070AS	65	\$1,100	⬇️ ⬇️ ⬇️ ⬇️ ⬆️	⬆️ ⬆️ NA
	Sharp Carousel R-1214	63	\$380	⬇️ ⬇️ ⬆️ ⬇️ ⬆️	⬆️ ⬆️ NA
	KitchenAid KMBD104GSS	60	\$1,440	⬇️ ⬇️ ⬇️ ⬆️ ⬇️	⬆️ ⬆️ NA

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the microwave they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray

dash (—), we assume the model has average reliability and satisfaction. **Heating evenness** reflects how evenly a model reheated a dish of cold mashed potatoes. **Defrosting evenness** is based on how well the auto-defrost program defrosted a pound of frozen ground beef. **Speed of heating** is based on the temperature rise of water heated. **Microwaving noise** reflects how quiet the oven is while microwaving on high. **Ease of use** includes how easy it is to set the microwave without referring to the instructions.

Venting (airflow) is based on the volume of air drawn in by the over-the-range model's internal fan on the highest setting. **Usable capacity** is the usable space based on our measurements and excludes the corner spaces for models with rotating turntables. Note that most OTR models allow you to turn off the rotation to fit large dishes. With the rotation off, measured capacity approximates claimed. But food might require extra tending and stirring. **Price** is approximate retail.

Ranges

Electric smoothtop ranges remain the biggest sellers, but now, whether you're renovating your kitchen or replacing an old model, you have more options than ever, including induction and double-oven ranges.



What to Look For

- Start with your power source—gas or electric. Dual-fuel ranges have an electric oven and gas cooktop burners, so they require a gas line and a 240-volt electric outlet.
- At least five oven-rack positions for flexibility when baking and roasting.
- For home cooks who host often, double ovens allow you to cook two dishes simultaneously, at different temperatures.

What to Skip

- Shopping by Btu. Higher British thermal units don't guarantee faster heating in our tests.

What You'll Pay

Anywhere from \$700 to \$3,000 for most ranges. You'll find coil models for less than \$700 and pro-style options that run more than \$3,000.

BUYING ADVICE

Generally, more expensive pro-style ranges aren't the best-performing models we test.

For more buying advice, go to [CR.org/ranges](https://www.consumerreports.org/ranges).

Tested products in performance order.

Rec.	Brand & Model	Overall Score	Price	Survey Results		Test Results					
				Predicted reliability	Owner satisfaction	Cooktop high	Cooktop low	Baking	Broiling	Oven capacity	Self-cleaning
✓	GE Profile PB911SJSS	87	\$1,209	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Ⓢ	LG LRE3061ST	85	\$599	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	LG LRE3193ST	84	\$950	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	LG LSE4613ST	82	\$1,400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung NE58F9500SS	80	\$1,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	GE JS760SLSS	80	\$1,100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

ELECTRIC SMOOTHTOP, SINGLE OVEN (30-INCH)

Rec.	Brand & Model	Overall Score	Price	Survey Results		Test Results					
				Predicted reliability	Owner satisfaction	Cooktop high	Cooktop low	Baking	Broiling	Oven capacity	Self-cleaning

ELECTRIC SMOOTHTOP, SINGLE OVEN (30-INCH) *Continued*

	GE JB655SKSS	78	\$775	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	LG LRE3194BD	78	\$865	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WEE510S0FS	78	\$900	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	LG LRE3060ST	77	\$550	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
	Samsung NE59N6650SS	75	\$1,005	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Frigidaire Gallery GCRE302LAF	75	\$949	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung NE59M4320SS	74	\$580	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Frigidaire Gallery GCRE3060AF	73	\$1,349	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Frigidaire Gallery FGEH3047VF	73	\$1,200	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Café CES700P2MS1	72	\$2,299	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	GE JS645SLSS	71	\$860	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Frigidaire FFEF3054TS	70	\$550	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Frigidaire FFEH3054US	69	\$940	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Frigidaire FFEH3051VS	69	\$1,100	⬆	⬇	⬆	⬆	⬆	⬆	⬆	NA
	Electrolux EI30EF45QS	68	\$2,270	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	GE JBS60RKSS	67	\$590	⬆	⬆	⬆	⬆	⬇	⬆	⬆	NA
	Kenmore Elite 95223	65	\$2,400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇
	Kenmore 95123	64	\$1,200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇
	Samsung NE59M4310SS	64	\$500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	KitchenAid KFEG500ESS	62	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇
	Whirlpool WFE775H0HZ	61	\$1,150	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬇
	GE JB645RKSS	61	\$550	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆
	Whirlpool WFE320M0EW	60	\$500	⬆	⬇	⬆	⬆	⬇	⬇	⬆	NA
	KitchenAid KSEB900ESS	60	\$2,440	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇
	Whirlpool WFE975H0HV	59	\$1,260	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬇
	Whirlpool WEE745H0FS	58	\$1,200	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬇
	Frigidaire FFEF3052TS	56	\$680	⬆	⬇	⬆	⬆	⬇	⬆	⬆	NA

	Brand & Model	Overall Score	Price	Survey Results		Test Results					
Rec.				Predicted reliability	Owner satisfaction	Cooktop high	Cooktop low	Baking	Broiling	Oven capacity	Self-cleaning

ELECTRIC SMOOTHTOP, SINGLE OVEN (30-INCH) *Continued*

	Whirlpool WEE750H0HZ	56	\$1,400	⬆	⬇	⬆	⬇	⬆	⬆	⬆	⬇
	Whirlpool WFE520S0FS	54	\$805	⬆	⬇	⬆	⬆	⬇	⬇	⬆	⬇
	Whirlpool WFE550S0HZ	51	\$900	⬆	⬇	⬆	⬆	⬇	⬇	⬆	⬆
	Frigidaire FCRE3052AS	50	\$899	⬇	⬇	⬆	⬆	⬇	⬇	⬆	NA
	Whirlpool WFE525S0HZ	48	\$615	⬆	⬇	⬆	⬇	⬇	⬇	⬆	⬆
	Maytag MER6600FZ	47	\$650	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬇
	Amana AER6303MFS	45	\$650	⬇	⬇	⬆	⬆	⬇	⬇	⬆	NA

ELECTRIC SMOOTHTOP, DOUBLE OVEN (30-INCH)

✓	Samsung NE58F9710WS	81	\$2,300	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	LG LDE4415ST	80	\$1,300	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	GE JB860SJSS	79	\$1,610	⬆	⬇	⬆	⬆	⬇	⬇	⬆	⬆
	LG LTE4815ST	79	\$2,250	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆
	Samsung NE59J7850WS	78	\$1,200	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Ikea Betrodd 602.885.60	74	\$1,099	—	—	⬆	⬆	⬇	⬆	⬆	⬆
	Maytag MET8800FZ	74	\$1,705	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇

ELECTRIC INDUCTION

✓	GE Profile PHS930SLSS	86	\$2,709	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
✓	LG LSE4617ST	82	\$2,700	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇
✓	Frigidaire Gallery FGIF3036TF	81	\$1,195	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung NE58K9560WS/AA	79	\$2,430	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇
	Frigidaire FFIF3054TS	78	\$850	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆
	KitchenAid KFID500ESS	72	\$2,455	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬇

GAS AND DUAL-FUEL, SINGLE OVEN (30-INCH)

✓	Samsung NX58H9500WS	79	\$1,600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Ⓢ	Samsung NX58H5600SS	76	\$630	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬇
Ⓢ	Samsung NX58K3310SS	75	\$650	⬆	⬆	⬇	⬆	⬆	⬇	⬆	NA
✓	LG LSD4913ST (dual-fuel)	75	\$1,700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇
✓	Samsung NX58M9420SS	74	\$1,200	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬇

Rec.	Brand & Model	Overall Score	Price	Survey Results		Test Results					
				Predicted reliability	Owner satisfaction	Cooktop high	Cooktop low	Baking	Broiling	Oven capacity	Self-cleaning

GAS AND DUAL-FUEL, SINGLE OVEN (30-INCH) *Continued*

✓	LG LRG4113ST	74	\$1,295	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬇
✓	Samsung Chef Collection NX58M9960PS/AA	74	\$3,999	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬇
✓	Samsung NX58M6630SS	74	\$750	⬆	⬆	⬇	⬆	⬆	⬇	⬆	⬆
✓	GE JGS760SELSS	73	\$2,000	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇
✓	GE Profile PGS930SELSS	73	\$2,699	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆
✓	LG LRG3193ST	72	\$800	⬆	⬆	⬇	⬆	⬆	⬆	⬆	NA
✓	LG LSG4513ST	70	\$1,660	⬆	⬆	⬆	⬇	⬆	⬇	⬆	⬇
✓	LG LRG3061ST	70	\$810	⬆	⬆	⬇	⬆	⬆	⬆	⬆	NA
✓	GE JGB700SEJSS	70	\$1,200	⬇	⬇	⬇	⬆	⬇	⬇	⬆	⬇
	Café CGS700M2NS5	68	\$3,299	⬇	⬆	⬆	⬆	⬆	⬆	⬇	⬇
	GE JGB660SEJSS	68	\$680	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆
	Frigidaire FFGF3054TS	68	\$600	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆
	GE JGBS66EEKES	67	\$900	⬇	⬇	⬇	⬆	⬇	⬇	⬆	NA
	GE JGBS62REKSS	67	\$680	⬇	⬇	⬇	⬆	⬇	⬇	⬆	NA
	GE JGSS66EELES	66	\$1,150	⬇	⬇	⬇	⬆	⬇	⬇	⬆	NA
	Samsung NX58R4311SS	65	\$580	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇
	GE JGBS30REKSS	64	\$490	⬇	⬇	⬇	⬆	⬇	⬇	⬆	NA
	Frigidaire FFGH3054US	64	\$900	⬇	⬇	⬆	⬆	⬇	⬇	⬇	⬆
	GE JGBS60DEKWW	64	\$540	⬇	⬇	⬇	⬆	⬇	⬇	⬆	NA
	Frigidaire FFGH3051VS	64	\$795	⬇	⬇	⬆	⬆	⬇	⬇	⬇	NA
	Frigidaire Gallery FGGF3047TF	62	\$815	⬇	⬇	⬆	⬇	⬇	⬇	⬇	⬆
	Frigidaire FGGH3047VF	62	\$1,900	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆
	GE JGB635REKSS	61	\$770	⬇	⬇	⬇	⬆	⬇	⬇	⬇	⬇
	Kenmore 74423	57	\$870	⬇	⬇	⬆	⬆	⬇	⬇	⬇	NA
	KitchenAid KSGG700ESS	57	\$1,700	⬇	⬇	⬇	⬆	⬆	⬇	⬆	⬇
	Kenmore 75123	57	\$1,300	⬇	⬇	⬆	⬇	⬆	⬇	⬆	⬇
	Frigidaire FFGF3052TS	55	\$750	⬇	⬇	⬆	⬆	⬇	⬇	⬇	NA
	KitchenAid KFGG500ESS	53	\$1,400	⬇	⬇	⬆	⬇	⬆	⬇	⬆	⬇
	Whirlpool WFG525S0HS	50	\$810	⬇	⬇	⬇	⬆	⬆	⬇	⬆	⬆

⬇ POOR
 ⬆ EXCELLENT

✓ RECOMMENDED

💰 CR BEST BUY

	Brand & Model	Overall Score	Price	Survey Results		Test Results					
Rec.				Predicted reliability	Owner satisfaction	Cooktop high	Cooktop low	Baking	Broiling	Oven capacity	Self-cleaning

GAS AND DUAL-FUEL, SINGLE OVEN (30-INCH) *Continued*

	Whirlpool WEG745H0FS	50	\$1,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Bosch HGI8056UC	50	\$2,299	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Frigidaire Professional FPGH3077RF	49	\$2,649	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WFG975H0HZ	47	\$1,260	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WEG750H0HZ	47	\$1,890	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WFG540H0ES	47	\$955	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Kenmore 32673 Slide-in	47	\$1,695	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WFG550S0HZ	47	\$990	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Electrolux EI30GF45QS	47	\$2,470	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Kenmore Pro 72583	45	\$3,060	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Frigidaire FFGF3012TW	43	\$490	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
	Maytag MGR6600FZ	43	\$950	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Kenmore 75113	43	\$1,400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Amana AGR6603SF	41	\$735	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WFG505M0BS	40	\$530	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
	Whirlpool WEG515S0FS	37	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Thor Kitchen LRG3001U	36	\$1,560	—	—	⬆	⬆	⬆	⬆	⬆	NA
	Amana AGR5330BAS	35	\$450	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA

GAS AND DUAL-FUEL, DOUBLE OVEN (30-INCH)

✓	LG Signature LUTD4919SN (dual-fuel)	84	\$3,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Samsung NY58J9850WS (dual-fuel)	81	\$2,700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Café C2S950P2MS1 (dual-fuel)	76	\$3,599	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	LG LDG4315ST	76	\$1,900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	GE Profile PGS960SELSS	72	\$3,199	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Samsung NX58M6850SG	71	\$1,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	GE JGB860SEJSS	63	\$1,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	KitchenAid KFGD500ESS	59	\$1,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results		Test Results					
Rec.				Predicted reliability	Owner satisfaction	Cooktop high	Cooktop low	Baking	Broiling	Oven capacity	Self-cleaning

GAS AND DUAL-FUEL, DOUBLE OVEN (30-INCH) *Continued*

	Whirlpool WGG745S0FS	58	\$1,440	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️
	GE Profile PGB960SEJSS	49	\$2,199	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬇️

PRO-STYLE GAS AND DUAL-FUEL (30-INCH)

✓	Monogram ZGP304NRSS	70	\$4,500	⬆️	⬆️	⬇️	⬆️	⬇️	⬇️	⬆️	⬇️
	Miele HR 1124 G	60	\$5,699	—	—	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️
	Wolf GR304	55	\$4,850	⬇️	⬆️	⬇️	⬆️	⬇️	⬇️	⬆️	NA
	Smeg C30GGXUI	46	\$1,799	—	—	⬆️	⬇️	⬇️	⬇️	⬇️	NA
	Viking VGIC53024BSS	41	\$4,299	⬇️	⬇️	⬇️	⬇️	⬇️	⬆️	⬇️	NA
	Fisher & Paykel OR30SCG4X1	28	\$3,899	—	—	⬆️	⬇️	⬇️	⬇️	⬇️	NA

PRO-STYLE GAS AND DUAL-FUEL (36-INCH)

✓	Samsung NY36R9966PS (dual-fuel)	74	\$7,410	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Kucht KRG3618U	65	\$3,699	—	—	⬆️	⬆️	⬆️	⬇️	⬇️	NA
	Wolf GR366	61	\$6,420	⬇️	⬆️	⬇️	⬆️	⬇️	⬇️	⬆️	NA
	Viking VGR5366BSS	58	\$6,850	⬇️	⬇️	⬆️	⬆️	⬇️	⬇️	⬆️	NA
	Jenn-Air JGRP436HL	52	\$6,199	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️
	Haier HCR6250AGS	43	\$2,065	—	—	⬆️	⬇️	⬇️	⬇️	⬇️	NA
	Smeg C36GGXU	34	\$3,000	—	—	⬇️	⬇️	⬇️	⬇️	⬇️	NA

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction.

Predicted reliability estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years.

Owner satisfaction reflects the proportion of CR members who are extremely likely to recommend the range they bought. In cases where we have

insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. **Cooktop high** reflects how quickly the most powerful element heated a large pot of water to near-boil. **Cooktop low** is how well the lowest-powered element held a low heat, as for melting chocolate, and how well the most powerful element, set

on low, held tomato sauce below a boil. **Baking** reflects even browning of cakes and cookies in multitrack baking tests. **Broiling** is even browning of a pan of burgers and high-heat searing. **Oven capacity** is our evaluation of usable space. **Self-cleaning** is that cycle's effectiveness after the oven is coated with a mixture of eggs, lard, cheese, cherry pie filling, tomato puree, and tapioca. **Price** is approximate retail.

Refrigerators

Refrigerator design continues to evolve, and new models often boast high-tech features. But no matter which type you choose, everyday performance still matters most—and that's what our tests capture.



What to Look For

- Temperature-controlled drawers to keep meat, fish, and other food at lower temperatures.
- In French-door models, look for half or foldable shelves for storing taller items as needed.
- Adjustable door bins also allow for customization and flexibility.

What to Skip

- Our tests found that the amount of usable storage

capacity is often less than the amount claimed.

We measure the interior capacity of each model, which All-Access or Digital members can see at [CR.org/refrigerators](https://www.consumerreports.org/refrigerators).

What You'll Pay

Standard top-freezers start around \$500. Side-by-sides start around \$800, while French-door models are \$1,000 and up. Built-ins can run beyond \$10,000.

BUYING ADVICE

If you're replacing your existing fridge (rather than remodeling), check each model's width, height, and depth, and make sure you have room for the door to open fully.

For more buying advice, go to [CR.org/refrigerators](https://www.consumerreports.org/refrigerators).

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results					Features			
Rec.				Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)
TOP-FREEZER (31-INCH AND WIDER WIDTHS)													
✓	LG LTCS24223S	79	\$970	⬆	⬆	⬆	⬇	⬆	⬆	⬇	69	33	32
✓	Samsung RT21M6213SG	78	\$935	⬆	⬇	⬆	⬇	⬆	⬆	⬇	68	33	32
✓	Samsung RT21M6215SG	78	\$900	⬆	⬇	⬆	⬇	⬆	⬆	⬇	68	33	32
✓	Maytag MRT311FFFM	77	\$1,050	⬆	⬇	⬆	⬆	⬆	⬇	⬇	66	33	31
	GE GTS21FSKSS	71	\$1,010	⬆	⬇	⬆	⬆	⬆	⬇	⬇	67	32	32

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Rec.				Predicted reliability Owner satisfaction Thermostat control Temperature uniformity Energy efficiency Noise Ease of use	Exterior height (in.) Exterior width (in.) Exterior depth (in.)	

TOP-FREEZER (31-INCH AND WIDER WIDTHS) *Continued*

	Whirlpool WRT511SZDM	69	\$1,000	⬆️ ⬇️	⬇️ ⬇️ ⬆️ ⬆️	66 33 32
	Kenmore 79433	67	\$1,100	⬆️ ⬇️	⬇️ ⬇️ ⬆️ ⬆️	69 33 32
	GE GIE21GSHSS	65	\$1,510	⬆️ ⬇️	⬇️ ⬆️ ⬆️ ⬆️	67 33 33
	Insignia NS-RTM21SS7	64	\$775	— —	⬇️ ⬇️ ⬆️ ⬇️	67 33 34

TOP-FREEZER (29-30 INCH WIDTHS)

✓	Frigidaire Gallery FGTR2037TF	81	\$890	⬆️ ⬇️	⬆️ ⬆️ ⬆️ ⬇️	70 30 33
✓	Samsung RT18M6215SG	78	\$750	⬆️ ⬇️	⬆️ ⬆️ ⬆️ ⬆️	67 29 29
✓	Frigidaire Gallery FGTR1837TF	74	\$695	⬆️ ⬇️	⬆️ ⬆️ ⬆️ ⬇️	66 30 31
✓	Frigidaire FFTR2021TS	74	\$800	⬆️ ⬇️	⬆️ ⬆️ ⬆️ ⬇️	69 30 33
	Insignia NS-RTM18BK8Q	79	\$550	— —	⬆️ ⬆️ ⬆️ ⬇️	67 30 31
	Frigidaire FFHT1821TS	69	\$850	⬆️ ⬇️	⬆️ ⬆️ ⬆️ ⬇️	64 30 30
	Maytag MRT118FFZ	60	\$810	⬆️ ⬇️	⬇️ ⬇️ ⬆️ ⬇️	66 30 32
	Insignia NS-RTM18SS7	55	\$680	— —	⬇️ ⬆️ ⬆️ ⬇️	67 30 32
	GE GTE181SHSS	55	\$1,025	⬆️ ⬇️	⬇️ ⬆️ ⬆️ ⬇️	67 30 33

TOP-FREEZER (28-INCH AND NARROWER WIDTHS)

✓	Blomberg BRFT1522SS	79	\$900	— —	⬆️ ⬆️ ⬆️ ⬆️	68 28 26
💰	Whirlpool WRT518SZFM	73	\$745	⬆️ ⬇️	⬆️ ⬆️ ⬆️ ⬇️	68 28 31
	GE GTS17GSNRSS	66	\$710	⬆️ ⬇️	⬆️ ⬆️ ⬆️ ⬇️	65 28 31
	Amana ART104TFDW	59	\$570	⬆️ ⬇️	⬇️ ⬇️ ⬆️ ⬇️	63 28 30
	Hotpoint HPE15BTHWW	57	\$595	⬆️ ⬇️	⬇️ ⬇️ ⬆️ ⬇️	62 28 30
	Whirlpool WRT106TFDW	57	\$615	⬆️ ⬇️	⬇️ ⬆️ ⬆️ ⬇️	66 28 32
	Hotpoint HPS15BTHLWW	56	\$575	⬆️ ⬇️	⬇️ ⬇️ ⬆️ ⬇️	62 28 30
	Frigidaire FFTR1514TW	56	\$620	⬆️ ⬇️	⬇️ ⬆️ ⬆️ ⬇️	61 28 30

⬇️ ⬇️ ⬇️ ⬆️ ⬆️
POOR ————— EXCELLENT

✓ — — — — —
RECOMMENDED CR BEST BUY

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Rec.				Predicted reliability Owner satisfaction Thermostat control Temperature uniformity Energy efficiency Noise Ease of use	Exterior height (in.) Exterior width (in.) Exterior depth (in.)	

BOTTOM-FREEZER (31-33 INCH WIDTHS)

✓	Kenmore Elite 79043	92	\$1,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	33	33
✓	LG LDCS24223S	92	\$1,600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	33	33
✓	LG LRDCS2603S	83	\$970	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	33	33
✓	Amana ABB2224BRM	82	\$1,405	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	33	31
✓	GE GDE25ESKSS	81	\$1,900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	33	35
	KitchenAid KRBR102ESS	77	\$1,920	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	33	31
	Whirlpool WRB322DMBM	75	\$1,440	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	33	31
	Fisher & Paykel ActiveSmart RF170WDRUX5	73	\$2,600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	68	32	28
	Hisense HBM17158SS	66	\$800	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	70	32	27














BOTTOM-FREEZER (30-INCH AND NARROWER WIDTHS)

✓	Amana ABB1924BRM	79	\$1,475	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	66	30	31
	GE GDE21ESKSS	78	\$1,585	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	30	35
	Haier HRB15N3BGS	72	\$1,095	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	68	28	24
	Bosch B11CB50SSS	72	\$2,390	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	79	24	26
	Blomberg BRFB1822SSN	68	\$1,600	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	60	30	31
	GE GLE12HSLSS	63	\$1,510	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	24	26
	Whirlpool URB551WNGZ	61	\$1,360	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	74	24	27

FRENCH-DOOR (34-INCH AND WIDER WIDTHS)

✓	LG LRFXC2406S	86	\$3,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	71	36	29
✓	LG LRFDS3006S	84	\$3,420	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	71	36	34
	GE GNE29GSKSS	83	\$2,005	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	34
	LG LRFDS3016S	82	\$2,700	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	33
	Café CYE22TSHSS	82	\$3,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	30
	GE Profile PYE22PSKSS	82	\$3,160	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	30
	GE GYE22HSKSS	82	\$3,130	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	30

	Brand & Model	Overall Score	Price	Survey Results		Test Results					Features		
Rec.				Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)
FRENCH-DOOR (34-INCH AND WIDER WIDTHS) <i>Continued</i>													
	LG LRFVS3006S	81	\$4,000	⬇	⬆	⬆	⬆	⬇	⬆	⬆	70	36	33
	LG LNXS30866D	81	\$4,100	⬇	⬆	⬆	⬆	⬆	⬆	⬆	69	36	37
	LG LFXC24726S	80	\$3,400	⬇	⬆	⬆	⬆	⬇	⬆	⬆	69	36	29
	LG LFXS28968S	79	\$1,620	⬇	⬆	⬆	⬆	⬆	⬆	⬆	70	36	34
	LG LFXS27596S	79	\$1,600	⬇	⬆	⬆	⬆	⬆	⬆	⬆	70	36	33
	Kenmore 73035	79	\$1,500	⬇	⬇	⬆	⬆	⬆	⬆	⬆	71	36	34
	LG LMXS28626S	78	\$1,900	⬇	⬆	⬆	⬆	⬇	⬆	⬆	70	36	34
	LG LFXS24663S	78	\$2,880	⬇	⬆	⬆	⬆	⬇	⬆	⬆	70	36	32
	LG LFXS28566S	77	\$3,000	⬇	⬆	⬆	⬆	⬆	⬇	⬆	70	36	34
	Ikea Nutid IX6HHEXDS [80288757]	77	\$1,800	—	—	⬆	⬆	⬆	⬆	⬇	69	36	28
	LG LMXC23746S	77	\$3,515	⬇	⬆	⬆	⬆	⬇	⬆	⬆	71	36	29
	LG Signature LUPXC2386N	76	\$6,000	⬇	⬆	⬆	⬆	⬇	⬆	⬆	70	36	30
	Café CFE28TSHSS	76	\$3,100	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	35
	GE Profile PYD22KSLSS	75	\$3,100	⬇	⬇	⬆	⬆	⬆	⬇	⬆	70	36	28
	KitchenAid KRFC704FBS	75	\$4,140	⬇	⬇	⬆	⬆	⬇	⬆	⬆	71	36	29
	LG LMXC23796D	75	\$4,050	⬇	⬆	⬆	⬆	⬇	⬆	⬆	69	36	30
	Kenmore 72595	75	\$2,200	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	34
	LG LMXS27626S	75	\$1,700	⬇	⬆	⬆	⬆	⬇	⬆	⬆	69	36	33
	GE Profile PFE28KSKSS	75	\$2,200	⬇	⬇	⬆	⬆	⬆	⬆	⬆	69	36	35
	GE GFE28GYNFS	75	\$1,900	⬇	⬇	⬆	⬆	⬆	⬇	⬆	70	36	32
	GE Profile PWE23KMKES	74	\$2,600	⬇	⬇	⬆	⬆	⬆	⬆	⬆	69	36	29
	LG LFXS30726S	74	\$3,070	⬇	⬆	⬆	⬆	⬆	⬆	⬆	69	36	34
	KitchenAid KRFC302ESS	73	\$3,220	⬇	⬇	⬆	⬆	⬇	⬆	⬇	73	36	28
	LG LFXS26566S	73	\$2,300	⬇	⬆	⬆	⬆	⬇	⬆	⬆	70	36	33
	GE GNE27JSMSS	73	\$2,200	⬇	⬇	⬆	⬆	⬆	⬇	⬇	70	36	34
	Café CYE22USHSS	73	\$3,600	⬇	⬇	⬆	⬇	⬇	⬆	⬆	70	36	30

	Brand & Model	Overall Score	Price	Survey Results		Test Results					Features		
Rec.				Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)
FRENCH-DOOR (34-INCH AND WIDER WIDTHS) <i>Continued</i>													
	LG LRFXS2503S	72	\$2,700	⬇	⬆	⬆	⬆	⬇	⬆	⬆	70	36	33
	KitchenAid KRMF706EBS 	72	\$4,200	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	34
	LG LFXC24796D	72	\$3,340	⬇	⬆	⬆	⬆	⬇	⬆	⬆	70	36	29
	GE GFE26JSMSS	69	\$2,250	⬇	⬇	⬆	⬆	⬆	⬇	⬇	70	36	34
	Samsung RF23M8070SR 	69	\$2,200	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	29
	Dacor DRF36C100SR 	68	\$4,000	—	—	⬆	⬆	⬆	⬆	⬆	69	36	31
	Samsung RF22K9381SR 	68	\$2,600	⬇	⬇	⬆	⬆	⬇	⬆	⬆	72	36	29
	Samsung RF23M8570SG 	68	\$3,700	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	29
	Samsung RF28K9070SR 	68	\$2,200	⬇	⬇	⬆	⬆	⬆	⬆	⬆	71	36	35
	Samsung RF28N9780SR 	67	\$2,900	⬇	⬇	⬆	⬆	⬆	⬆	⬆	72	36	34
	Maytag MFC2062FEZ	67	\$2,400	⬇	⬇	⬆	⬆	⬆	⬆	⬇	69	36	28
	Samsung RF28JBEDBSR 	67	\$3,600	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	34
	Samsung RF23R6201SR	67	\$1,600	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	29
	Samsung RF28R7351SG 	67	\$2,300	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	34
	Samsung RF265BEAESG	66	\$3,220	⬇	⬇	⬆	⬆	⬆	⬆	⬆	70	36	34
	Samsung RF22KREDBSR 	66	\$3,505	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	29
	Samsung RF23J9011SR 	66	\$2,300	⬇	⬇	⬆	⬆	⬆	⬆	⬆	72	36	29
	Samsung RF28NHEDBSG 	66	\$2,400	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	34
	KitchenAid KRFF305ESS	66	\$2,010	⬇	⬇	⬆	⬆	⬆	⬆	⬇	69	36	33
	Samsung RF28HFEDBSR	65	\$1,900	⬇	⬇	⬆	⬆	⬇	⬆	⬆	69	36	34
	Whirlpool WRF954CIHM	65	\$3,505	⬇	⬇	⬆	⬆	⬇	⬆	⬆	70	36	29
	GE GYS22GSNSS	65	\$3,030	⬇	⬇	⬆	⬆	⬇	⬇	⬆	70	36	29
	Bertazzoni Professional Series REF36X 	65	\$3,080	—	—	⬆	⬆	⬇	⬆	⬆	70	36	29

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Rec.				Predicted reliability Owner satisfaction Thermostat control Temperature uniformity Energy efficiency Noise Ease of use	Exterior height (in.) Exterior width (in.) Exterior depth (in.)	

FRENCH-DOOR (31-33 INCH WIDTHS)

✓	Kenmore Elite 71313	79	\$1,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	33	33
✓	GE GNE25JSKSS	77	\$1,900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	33	35
✓	GE GFE24JSKSS	76	\$2,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	33	36
	KitchenAid KRFF300ESS	74	\$1,900	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	69	33	32
	GE GWE19JSLSS	68	\$1,710	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	70	33	28
	Samsung RF20HFENBSR	67	\$1,350	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	71	33	31
	Samsung RF25HMEDBSR II	65	\$2,115	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	33	34
	Whirlpool WRF532SMHZ	64	\$2,010	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	69	33	32
	Samsung RF18HFENBSR	60	\$1,000	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	71	33	29

FRENCH-DOOR (30-INCH AND NARROWER WIDTHS)

💰	LG LFC22770ST	83	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	68	30	33
✓	LG LFC22520S	79	\$900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	68	30	33
✓	GE GNE21FSKSS	77	\$1,555	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	30	35
	Samsung RF220NCTASR	61	\$1,200	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	67	30	34
	Whirlpool WRF560SEYM	58	\$1,300	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	68	30	33
	Whirlpool WRF560SMHZ	58	\$1,560	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	68	30	33
	Haier HRF15N3AGS	51	\$1,260	—	—	⬆️	⬆️	⬆️	⬇️	⬇️	71	28	27

SIDE-BY-SIDE (34-INCH AND WIDER WIDTHS)

✓	GE Profile PSS28KSHSS	79	\$2,150	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	33
💰	LG LSXS26366S	78	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	33
✓	GE Profile PSE25KSHSS	76	\$2,000	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	33
💰	LG LSXS26326S	75	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	69	36	34
✓	Kenmore Elite 51863	74	\$2,000	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	70	36	30
💰	Kenmore 51783	73	\$1,500	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	69	36	29
	Whirlpool WRS586FIEM	71	\$1,635	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	69	36	33

Rec.	Brand & Model	Overall Score	Price	Survey Results		Test Results					Features		
				Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)

SIDE-BY-SIDE (34-INCH AND WIDER WIDTHS) *Continued*

	Whirlpool WRS588FIHZ	71	\$1,600	⬆	⬇	⬆	⬆	⬆	⬆	⬆	69	36	33
	GE Profile PZS22MSKSS	70	\$2,800	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	29
	Kenmore Elite 51773	69	\$1,800	⬆	⬇	⬆	⬇	⬆	⬆	⬆	69	36	34
	Frigidaire FFSS2625TS	69	\$1,210	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	32
	Whirlpool WRS571CIDM	69	\$1,250	⬆	⬇	⬆	⬆	⬆	⬆	⬆	69	36	28
	GE GZS221YNFS	69	\$1,710	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	28
	Frigidaire FGSS2635TF	69	\$1,345	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	34
	GE GSS25GSHSS	68	\$1,445	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	33
	GE GSS25LSLSS	67	\$1,440	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	34
	Kenmore 51335	67	\$1,300	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	32
	KitchenAid KRSC503ESS	67	\$2,790	⬇	⬇	⬆	⬆	⬆	⬆	⬆	71	36	28
	Whirlpool WRS325SDHZ	66	\$1,350	⬆	⬇	⬆	⬆	⬆	⬆	⬆	69	36	33
	Frigidaire FGSC2335TF	66	\$1,300	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	29
	Whirlpool WRS325FDAM	66	\$950	⬆	⬇	⬆	⬆	⬆	⬆	⬆	69	36	33
	Maytag MSC21C6MFZ	63	\$1,620	⬆	⬇	⬆	⬆	⬆	⬆	⬆	69	36	28
	Whirlpool WRS555SIHZ	62	\$1,200	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	32
	Daewoo FRS-Y22D2T	62	\$1,290	—	—	⬆	⬆	⬆	⬆	⬆	70	36	28
	GE GSS251YNFS	61	\$1,620	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	36	32
	KitchenAid KRSC703HPS	61	\$2,790	⬇	⬇	⬆	⬆	⬇	⬆	⬆	72	35	27

SIDE-BY-SIDE (31-33 INCH WIDTHS)

✓	GE GSS23HSHSS	71	\$1,620	⬆	⬇	⬆	⬆	⬆	⬆	⬆	70	33	33
✓	Whirlpool WRS321SDHZ	66	\$1,250	⬆	⬇	⬆	⬆	⬆	⬆	⬆	67	33	32
✓	Amana ASI2175GRS	65	\$1,000	⬆	⬇	⬆	⬆	⬆	⬆	⬆	67	33	32
	Whirlpool WRS331SDHM	62	\$1,260	⬆	⬇	⬆	⬆	⬆	⬇	⬆	67	33	32
	GE GSE23GSKSS	60	\$1,545	⬆	⬇	⬆	⬆	⬆	⬆	⬆	69	33	33

	Brand & Model	Overall Score	Price	Survey Results		Test Results				Features			
Rec.				Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)
BUILT-IN													
✓	Thermador Freedom Collection Professional Series T36BT920NS	85	\$9,300	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	84	36	25
✓	Thermador Freedom Collection T36IT901NP	84	\$8,000	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	84	36	25
✓	Dacor Modernist DRF427500AP	82	\$11,000	—	—	⬆️	⬆️	⬇️	⬆️	⬇️	85	42	25
✓	Jenn-Air JF42NXFXDE	81	\$9,400	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬇️	83	42	26
✓	Dacor Modernist DRF367500AP	81	\$8,600	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	84	36	24
✓	Jenn-Air JB36NXFXRE	80	\$7,400	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	83	36	26
	KitchenAid KBFN502ESS	78	\$8,725	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬇️	83	42	26
	KitchenAid KBBR306ESS	77	\$6,900	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	83	36	26
	Miele PerfectCool KFN9955IDE	76	\$7,100	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	80	36	24
	Miele KFN9855IDE	74	\$5,600	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	80	36	25
	GE Monogram ZIPP360NHSS	73	\$8,700	⬇️	⬇️	⬆️	⬆️	⬇️	⬇️	⬆️	84	36	26
	Blomberg BRFB1920SS	71	\$5,730	—	—	⬆️	⬆️	⬇️	⬆️	⬆️	84	30	25
	Café CSB42WP2NS1	70	\$7,200	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	84	42	26
	Fisher & Paykel RS36W80J	66	\$6,000	—	—	⬆️	⬇️	⬇️	⬆️	⬇️	80	36	24

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members

who are extremely likely to recommend the refrigerator they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction within its category. **Thermostat control** looks at the appliance's ability to achieve and maintain

a set temperature despite changes in room temperature. **Temperature uniformity** is based on how well a model minimizes warm and cold spots. **Energy efficiency** is energy consumption per cubic foot of measured usable storage space. **Noise** is measured with the compressors running. **Price** is approximate retail.

Snow Blowers

You don't need a behemoth model for efficient snow clearing. You'll find compact, easier-handling machines work well on smaller driveways, while mid-sized models can dispatch drifts left by a heavy storm.



What to Look For

- Belts. You'll need one drive belt for single-stage machines and two for two-stage models.
- Shear pins. On two-stage models, they protect the engine and transmission by breaking if the auger hits something too hard. Keep spares on hand.
- Interlocking safety grips. These allow one-handed

operation so that you can also operate the discharge chute control.

What You'll Pay

- You can spend as little as \$500 for a snow blower that will handle light dustings or well over \$1,000 for a snow blower that takes care of heavier snowfalls.

BUYING ADVICE

Bigger engines and wider clearing swaths are great, but some smaller machines can out-clear and out-throw the big boys for less money.

For more buying advice, go to CR.org/snowblowers.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results								
Rec.				Predicted reliability Owner satisfaction	Removal speed	Plow pile removal	Throwing distance	Surface cleaning	Handling	Noise	Controls	Width (in.)	
THREE-STAGE GAS: BEST FOR HEAVY SNOW UP TO 18 INCHES													
✓	Cub Cadet 3X 30" PRO H	91	\$2,600	1	⬆	⬆	⬆	⬆	⬆	⬆	⬆	30	
✓	Cub Cadet 3X 30" HD	91	\$1,700	1	⬆	⬆	⬆	⬆	⬆	⬆	⬆	30	
\$	Troy-Bilt Vortex 2890	87	\$1,200	1	⬆	⬆	⬆	⬆	⬆	⬆	⬆	28	
✓	Cub Cadet 3X 26" TRAC	87	\$1,800	1	⬆	⬆	⬆	⬆	⬆	⬆	⬆	26	
\$	Troy-Bilt Vortex 2490	80	\$1,200	1	⬆	⬆	⬆	⬆	⬆	⬆	⬆	24	

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Rec.				Predicted reliability Owner satisfaction	Removal speed	Plow pile removal	Throwing distance	Surface cleaning	Handling	Noise	Controls	Width (in.)

TWO-STAGE GAS: BEST FOR HEAVY TO MEDIUM SNOW UP TO 16 INCHES

✓	Toro Power Max HD 928 OAE 38840	93	\$1,400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	28
✓	Troy-Bilt Arctic Storm 30	92	\$1,500	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	30
\$	Cub Cadet 2X 30" HP	92	\$1,200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	30
✓	Ariens 926078	92	\$3,100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	28
✓	Ariens Deluxe 30 EFI	92	\$1,700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	30
\$	Cub Cadet 2X 28" HP	91	\$1,100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	28
\$	Toro Power Max 826 OXE 37799	89	\$1,050	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	26
✓	Craftsman 88976	88	\$1,600	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	30
✓	Cub Cadet 2X 26" HP	84	\$1,000	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	26
✓	Ariens Deluxe 28 254CC 921046	84	\$1,100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	28
\$	Troy-Bilt 2860	82	\$1,000	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	28
\$	Troy-Bilt Storm 2665	81	\$800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	26
\$	Briggs & Stratton 1227MDS	81	\$1,000	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	27

COMPACT TWO-STAGE GAS: BEST FOR MEDIUM SNOW UP TO 16 INCHES

\$	Toro Power Max 824 OE 37798	79	\$880	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
\$	Champion 100434	79	\$720	— —	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
✓	Honda HSS724AW	76	\$2,200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
✓	Cub Cadet 2X 24"	75	\$900	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
✓	Craftsman 88640	75	\$800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
\$	Troy-Bilt 2410	75	\$700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
\$	Briggs & Stratton 1696610	74	\$730	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
✓	Ariens Compact 24 920027	74	\$900	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
✓	Ariens 920025	71	\$800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
✓	Craftsman SB410	71	\$700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Rec.				Predicted reliability Owner satisfaction	Removal speed	Plow pile removal	Throwing distance	Surface cleaning	Handling	Noise	Controls	Width (in.)
SINGLE-STAGE GAS: BEST FOR LIGHT TO MEDIUM SNOW UP TO 9 INCHES												
✓	Toro Power Clear 821 QZE 38757	80	\$750	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21
✓	Toro 824 QXE 36003	78	\$880	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
✓	Toro Power Clear 721 QZE 38756	77	\$700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21
💰	Toro Power Clear 721 R-C 38754	76	\$630	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21
✓	Honda HS 720AS	72	\$700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	20
✓	Toro 724 QXE 36002	72	\$750	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	24
💰	Troy-Bilt Squall 208XP	70	\$500	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21
💰	Troy-Bilt Squall 179E	66	\$450	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21
✓	Craftsman CMXGBAM1054540	65	\$550	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21
SINGLE-STAGE ELECTRIC: BEST FOR LIGHT SNOW UP TO 6 INCHES												
	Toro Power Curve 1800 38381	44	\$250	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	18
	Toro Power Shovel 38361	36	\$110	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	11
SINGLE-STAGE BATTERY: BEST FOR LIGHT SNOW UP TO 6 INCHES												
✓	Ego SNT2102	66	\$600	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21
✓	Snow Joe ION100V-21SB	65	\$800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21
✓	Toro Power Clear e21 39901	64	\$650	— —	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	21

HOW WE TEST: Overall score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the snow blower they bought. In cases where we have insufficient survey

data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. NA means we have no data. For **removal speed**, we time how long it takes models to clear a highly controlled mixture of wet sawdust. **Plow-pile removal** is an assessment of how quickly, and thoroughly, models cut through a large mound of wet sawdust designed to simulate a plow pile. **Throwing distance** is how far each model throws

the mixture. **Surface Cleaning** reflects how much of our mixture each model leaves behind on a blacktop driveway. **Handling** denotes how easy each machine is to push, pull, and turn. **Controls** is our assessment of how easy it is to change speeds, adjust the discharge chute, and move the handle-bar. **Noise** is measured in decibels at the ear of the operator; a rating lower than good means you'll need hearing protection. **Price** is approximate retail.

QUICK GUIDE

Vacuums

The best uprights deliver the most power for deep-cleaning carpets, but canisters are easier to maneuver. Stick vacs and handheld models offer supplemental floor-cleaning convenience.



What to Look For

- If deep-cleaning carpet is the most important thing on your list, go for an upright.
- Canisters do well when cleaning drapes and upholstery, on stairs, and under furniture. They let you move mostly the hose and wand—instead of the entire machine.
- View stick vacs and handheld models as maintenance cleaners; neither can replace your full-sized vacuum.

What to Skip

- No need to splurge on extra cleaning tools. Those that come standard should suffice for most household cleaning jobs.
- We recommend against bagless models if you have asthma or allergies, because emptying the bin is usually a dusty, messy chore.

What You'll Pay

Capable bagless uprights start at about \$170; figure \$200-plus for most canisters and bagged uprights.

BUYING ADVICE

Even if you plan to order online, try to go to a store first. Push, pull, turn, and lift the vacuum cleaners you're considering to get a sense of how easy they are to use.

For more buying advice, go to CR.org/vacuums.

Tested products in performance order.

Rec.	Brand & Model	Overall Score	Price	Survey Results		Test Results						
				Predicted reliability	Owner satisfaction	Carpet	Bare floors	Hose suction	Clean emissions	Handling	Pet hair	Noise
✓	Shark Navigator Powered Lift-Away NV586 (Target)	77	\$300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Shark DuoClean Powered Lift-Away NV831	76	\$350	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Shark DuoClean Powered Lift-Away Speed NV800	75	\$300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
💰	Kenmore Pet Friendly Cross-Over DU3017	75	\$180	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆

BAGLESS UPRIGHT VACUUMS

⬇ POOR — EXCELLENT

✓ RECOMMENDED

💰 CR BEST BUY

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Rec.				Predicted reliability Owner satisfaction	Carpet	Bare floors	Hose suction	Clean emissions	Handling	Pet hair	Noise	

BAGLESS UPRIGHT VACUUMS *Continued*

✓	Shark Rotator Powered Lift-Away Speed NV680	74	\$300	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	Dyson Ball Animal 2	74	\$500	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
💰	Kenmore Pet Friendly CrossOver 31220	74	\$250	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	Dyson Ball Multi Floor 2	74	\$400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
💰	Shark Rotator Professional Lift-Away NV501	73	\$260	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	Shark APEX DuoClean Powered Lift-Away Speed AX912	73	\$350	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	Kenmore Elite Pet Friendly CrossOver Ultra 31230	72	\$350	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	Shark APEX DuoClean Zero-M Powered Lift-Away AZ1002	72	\$400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
💰	Shark Navigator Lift-Away NV352	72	\$200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
💰	Shark Navigator Professional Lift-Away NV356E	72	\$250	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Hoover WindTunnel T-Series Rewind Bagless UH70120	69	\$130	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Kenmore Progressive 10135	69	\$170	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Kenmore Pet Friendly Progressive DU3002	68	\$200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Dyson Cinetic Big Ball Animal	68	\$600	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Dyson Cinetic Big Ball Animal + Allergy	68	\$700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Shark DuoClean Slim NV201	67	\$240	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Hoover React Professional Pet Plus UH73220	67	\$240	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Bissell Pet Hair Eraser Lift-Off 2087	67	\$270	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Hoover React UH73100	66	\$180	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Bissell Pet Hair Eraser Turbo Plus 2281	65	\$260	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Rec.				Predicted reliability Owner satisfaction	Carpet	Bare floors	Hose suction	Clean emissions	Handling	Pet hair	Noise	

BAGLESS UPRIGHT VACUUMS *Continued*

	Hoover React Powered Reach Lite UH73400	65	\$270	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Shark Navigator Pet Pro ZU62	65	\$230	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Hoover PowerDrive Pet UH74210PC	65	\$200	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Hoover High Performance Swivel UH74200	63	\$170	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Hoover Total Home Pet UH74100	63	\$140	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Shark Navigator Zero-M Lift-Away Speed ZU560	63	\$220	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Hoover Air Pro UH72450	61	\$230	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Hoover Air Steerable UH72400	61	\$190	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Dyson Small Ball Multi Floor	60	\$400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Shark ION P50 Cord-Free Powered Lift-Away IC162	51	\$450	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Bissell AeroSwift 2612A	50	\$85	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Bissell PowerGlide Lift-Off Pet 2043	48	\$170	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Black+Decker AirSwivel BDASV102	47	\$80	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Bissell Pet Hair Eraser 1650	46	\$250	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Dirt Devil Endura Max XL UD70182	46	\$95	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Dirt Devil Power Max Rewind Pet UD70187	45	\$85	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
	Dirt Devil Endura Max UD70174	42	\$65	⬇️ ⬇️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️

BAGGED UPRIGHT VACUUMS

💰	Kenmore Elite Pet Friendly 31150	77	\$350	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
✓	Miele Dynamic U1 Cat & Dog	76	\$700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️
💰	Kenmore Pet Friendly 31140	74	\$280	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Rec.				Predicted reliability	Owner satisfaction	Carpet	Bare floors	Hose suction	Clean emissions	Handling	Pet hair	Noise

BAGGED UPRIGHT VACUUMS *Continued*

✓	Kirby Avalir 2	72	\$1,600	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬇
Ⓢ	Hoover WindTunnel Max UH30600	71	\$180	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Ⓢ	Hoover WindTunnel T-Series UH30300	68	\$170	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Oreck Elevate Command	61	\$450	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆
	Oreck Magnesium	61	\$500	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆
	Oreck Elevate Conquer	61	\$600	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆
	Oreck Elevate Control	54	\$300	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬇

BAGLESS CANISTER VACUUMS

✓	Miele Blizzard CX1 Cat & Dog	76	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Ⓢ	Kenmore 22614	72	\$390	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆
	Dyson Ball Multi Floor	61	\$400	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Dyson Big Ball Multi Floor	56	\$400	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Dyson Cinetic Big Ball Animal Canister	55	\$600	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆

BAGGED CANISTER VACUUMS

✓	Miele Complete C3 Marin	84	\$1,100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Miele Compact C2 Electro+	77	\$700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Miele Complete C3 Alize	77	\$700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Kenmore Elite Pet Friendly UltraPlush 81714	76	\$530	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Ⓢ	Kenmore Pop-N-Go BC4026	76	\$280	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Kenmore Elite Pet Friendly CrossOver 21814	76	\$660	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆
Ⓢ	Kenmore 200 Series BC4002	76	\$220	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results
Rec.				Predicted reliability Owner satisfaction	Carpet Bare floors Hose suction Clean emissions Handling Pet hair Noise

BAGGED CANISTER VACUUMS *Continued*

\$	Kenmore Pop-N-Go UltraPlush BC4027	74	\$330	⬇️ ⬇️	⬆️ ⬆️ ⬆️ ⬆️ ⬇️ ⬆️ ⬆️
\$	Kenmore 81614	74	\$400	⬇️ ⬇️	⬆️ ⬆️ ⬇️ ⬆️ ⬇️ ⬆️ ⬇️
\$	Kenmore 200 Series 81214	73	\$260	⬇️ ⬇️	⬆️ ⬆️ ⬆️ ⬆️ ⬇️ ⬆️ ⬇️
\$	Kenmore 400 Series 81414	73	\$330	⬇️ ⬇️	⬆️ ⬆️ ⬆️ ⬇️ ⬇️ ⬆️ ⬇️

	Brand & Model	Overall Score	Price	Survey Results	Test Results
Rec.				Predicted reliability Owner satisfaction	Carpet Bare floors Edges Noise Pet hair Clean emissions

STICK VACUUMS CORDLESS

	Tineco Pure One S11	95	\$350	— —	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
	Tineco Pure One S11 Tango EX	94	\$470	— —	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
	Tineco Pure One S12	92	\$600	— —	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
	Dyson V11 Outsize	90	\$800	⬇️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
	Dyson V8 Absolute	89	\$450	⬇️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
	Dyson V11 Torque Drive	89	\$700	⬇️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
	LG CordZero A9 A906SM	87	\$750	— —	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️
	Dyson Cyclone V10 Absolute	85	\$700	⬇️ ⬆️	⬆️ ⬆️ ⬆️ ⬇️ ⬆️ ⬆️
	Dyson Cyclone V10 Motorhead	84	\$500	⬇️ ⬆️	⬆️ ⬆️ ⬆️ ⬇️ ⬆️ ⬆️
	Dyson V7 Motorhead	84	\$300	⬇️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️ ⬆️

	Brand & Model	Overall Score	Price	Survey Results	Test Results					
Rec.				Predicted reliability Owner satisfaction	Carpet	Bare floors	Edges	Noise	Pet hair	Clean emissions

STICK VACUUMS CORDLESS *Continued*

	Bissell Air Ram 1984	84	\$250	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Hoover ONEPWR Blade Max BH53350	80	\$350	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Shark Rocket IX140	78	\$200	⬇	⬆	⬆	⬆	⬇	⬆	⬆	⬆
	Black+Decker POWER SERIES Extreme BSV2020P	78	\$200	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆
	Hoover React Whole Home Advantage BH53210	77	\$250	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇
	Kenmore Elite Complete 10441	77	\$350	—	—	⬆	⬆	⬆	⬆	⬆	⬆
	Shark Rocket Pro IZ140	76	\$250	⬇	⬆	⬆	⬆	⬇	⬆	⬆	⬇
	Kenmore Elite 10440	76	\$300	—	—	⬇	⬆	⬆	⬆	⬆	⬆
	Shark Rocket Pet Pro IZ162H	76	\$300	⬇	⬆	⬆	⬆	⬇	⬆	⬆	⬆
	Shark ION F80 Cord-Free MultiFLEX IF281	75	\$450	⬇	⬆	⬇	⬆	⬆	⬆	⬆	⬆
	Black+Decker Smartech HSVJ520JMBF27	74	\$200	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆
	Hoover Fusion Max BH53110	73	\$220	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇
	Shark ION X40 Cord-Free Ultra-Light IR141	72	\$300	⬇	⬆	⬇	⬆	⬆	⬆	⬆	⬆
	Hoover Platinum LiNX BH50010	70	\$130	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇
	Hoover ONEPWR Blade+ BH53310	70	\$200	⬇	⬇	⬆	⬇	⬆	⬆	⬆	⬇
	Dirt Devil Reach Max Plus BD22510PC	68	\$130	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬇
	Shark Navigator Freestyle SV1106	67	\$100	⬇	⬆	⬆	⬇	⬇	⬆	⬆	⬆
	Kenmore CSV Go 10438	66	\$140	—	—	⬇	⬆	⬇	⬆	⬆	⬆
	Oreck Pod BK51702	61	\$570	⬇	⬇	⬇	⬆	⬇	⬆	⬆	⬆
	Bissell Bolt 1954	59	\$150	⬇	⬆	⬇	⬆	⬆	⬆	⬆	⬆
	Dirt Devil Power Swerve BD22050	56	\$70	⬇	⬇	⬆	⬇	⬇	⬆	⬆	⬇

	Brand & Model	Overall Score	Price	Survey Results	Test Results					
Rec.				Predicted reliability Owner satisfaction	Carpet	Bare floors	Edges	Noise	Pet hair	Clean emissions

STICK VACUUMS CORDLESS *Continued*

	Hoover Impulse BH53020	52	\$180	⬇️	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️
	Bissell PowerLifter Ion Pet 2482	52	\$115	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️
	Bissell Adapt Ion XRT 2-in-1 2387	52	\$150	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️
	Bissell Adapt Ion Pet 2286A	51	\$120	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️
	Hoover Cruise BH52210	51	\$180	⬇️	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️
	Bissell ICONpet 2288	44	\$400	⬇️	⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️
	Bissell ICONpet Pro 2746A	43	\$450	⬇️	⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️
	Bissell Multi Reach 2151	36	\$250	⬇️	⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️

STICK VACUUMS CORDED

✓	Shark APEX UpLight Lift-Away DuoClean LZ601	97	\$275	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Shark APEX DuoClean Corded ZS362	94	\$250	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Shark SharkFlex DuoClean Ultra-Light Corded HV391	94	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
💰	Dirt Devil Power Stick SD12530	88	\$100	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️
	Bissell Pet Hair Eraser Slim 2897 (Walmart)	85	\$150	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️
	Shark Rocket DeluxePro TruePet HV322	84	\$230	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️
	Shark Rocket Zero-M Ultra-Light ZS352	82	\$220	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️
	Shark Rocket HV302	79	\$180	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Miele Swing H1 Tactical Power	75	\$270	⬆️	⬆️	⬇️	⬆️	⬇️	⬆️	⬆️	⬆️
	Dirt Devil Simpli-Stik SD20000RED	43	\$30	⬆️	⬇️	⬇️	⬇️	⬇️	⬆️	⬇️	⬇️

	Brand & Model	Overall Score	Price	Survey Results	Test Results				
Rec.				Predicted reliability Owner satisfaction	Carpet	Bare floors	Edges	Pet hair	Noise
HANDHELD VACUUMS									
✓	Shark Ion W1 WV201	80	\$130	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
✓	Black+Decker Max+ DustBuster AdvancedClean+ HHVK515J00	79	\$90	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
💰	Black+Decker DustBuster CHV1410L	78	\$50	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
✓	Black+Decker Flex BDH2020FL	77	\$110	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
✓	Hoover ONEPWR BH57005	77	\$100	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
✓	Dyson V7 Trigger	74	\$200	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
💰	Bissell Pet Hair Eraser 33A1	71	\$35	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
	Bissell Multi Cordless 1985	69	\$150	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
	Shark Pet Perfect II SV780	69	\$60	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
	Bissell Pet Hair Eraser 2390A	69	\$60	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
	Dirt Devil Gator BD10175	67	\$60	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
	Eureka Easy Clean 71B	67	\$50	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
	Dirt Devil Quick Flip Plus BD30025B	58	\$50	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
	Dirt Devil FlipOut BD10315B	56	\$50	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆
	Bissell Pet Hair Eraser 1782	56	\$50	— —	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆	⬆ ⬆

HOW WE TEST: Overall Score

Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years.

Owner satisfaction reflects the proportion of CR members who are extremely likely to recommend the vacuum

they bought. In cases where we have insufficient survey data to provide a brand-level dash (—), we assume the model has average reliability and satisfaction. In our cleaning tests for uprights and canisters, we lift embedded talc and sand from medium-pile carpet and suck up sand from bare floors. For sticks and hand vacs cereal, rice and sand are used for bare floor and carpet pickup tests. We use

fine wood flour to see whether tools and attachments can maintain airflow and also to gauge emissions—how much dust the vacuum spews back into the air. **Noise** is based on measurements in decibels.

Handling reflects how easy it is to push, pull, and carry the vacuum. **Pet hair** reflects how well the vacuum picks up pet hair from medium-pile carpet.

Price is approximate retail.

QUICK GUIDE

Wall Ovens

Flexibility is one of the main attractions of wall ovens. If you're renovating, you can install one anywhere (in an island base or into a cabinet), in a separate location from a standalone cooktop, and at any height.

What to Look For

- Controls that are easy to reach and read.
- A score of Very Good or Excellent for baking and oven capacity, because these tests get at the function of this appliance.
- Five or more oven rack positions for more flexibility in arranging racks and bakeware.
- A covered heating element beneath the floor of the oven, which makes spill

cleanup easier and faster.

- Menu databases and other high-tech features may add convenience, but also can add considerably to the cost.

What You'll Pay

Electric wall ovens start around \$1,300 and can cost upwards of \$3,000. (Separate cooktops start around \$1,000.) Capable ranges can cost far less.

BUYING ADVICE

Measure your cutout space, then check the manual of the wall oven you're considering for its cutout dimensions.

For more buying advice, go to CR.org/ovens.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Baking Broiling Oven capacity Self-cleaning	Width (in.) Convection mode
SINGLE ELECTRIC WALL OVENS						
✓	KitchenAid KOSE500ESS	85	\$2,300	⬇️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️	30 ●
✓	LG LWS3063ST	82	\$1,799	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️	30 ●
💰	Maytag MEW9530FZ	82	\$1,300	⬇️ ⬇️	⬆️ ⬆️ ⬆️ ⬆️	30 ●
✓	Samsung NV51K770SG/AA	81	\$2,600	⬇️ ⬇️	⬆️ ⬆️ ⬆️ ⬆️	30 ●

⬇️ ⬇️ ⬇️ ⬆️ ⬆️
POOR ————— EXCELLENT

✓ ⬇️
RECOMMENDED CR BEST BUY

	Brand & Model	Overall Score	Price	Survey Results		Test Results				Features	
Recommended				Predicted reliability	Owner satisfaction	Baking	Broiling	Oven capacity	Self-cleaning	Width (in.)	Convection mode

SINGLE ELECTRIC WALL OVENS *Continued*

	GE JTS5000SNSS	79	\$1,500	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Frigidaire Gallery FGEW3066UF	78	\$2,049	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Café CTS70DM2NS5	77	\$3,049	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Whirlpool WOS72EC0HS	77	\$1,890	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Electrolux EW30EW55PS	77	\$2,250	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Electrolux EI30EW38TS	75	\$2,070	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Jenn-Air JJW3430DS	75	\$3,900	⊖	⬆	⬆	⬆	⬆	⬆	30	●
	KitchenAid KOSE900HSS	74	\$2,970	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Bosch 800 Series HBL8451UC	74	\$2,250	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Whirlpool WOS51EC0HS	73	\$1,599	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Bosch HBLP451RUC	69	\$3,100	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Thermador Masterpiece ME301WS	67	\$3,899	⊖	⬆	⬆	⬆	⬆	⬆	30	●
	Miele H 6281 BP	64	\$2,999	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Bosch HBL5351UC	64	\$1,710	⬆	⬆	⬆	⬆	⬆	⬆	30	●
	Frigidaire Professional FPEW3077RF	60	\$2,299	⬆	⬆	⊖	⬆	⬆	⬆	30	●
	Amana AWO6313SFS	52	\$990	⊖	⊖	⊖	⬆	⬆	⬆	30	●
	GE Profile PT9200SLSS	51	\$3,149	⬆	⬆	⬆	⊖	⬆	⬆	30	●
	Frigidaire FFEW3026TD	51	\$950	⬆	⬆	⊖	⬆	⬆	⬆	30	●
	Viking RVSOE330SS	45	\$3,210	⊖	⬆	⬆	⬆	⬆	⊖	30	●
	GE JTS3000SNSS	43	\$1,485	⬆	⬆	⊖	⬆	⬆	⬆	30	●

	Brand & Model	Overall Score	Price	Survey Results		Test Results				Features	
Recommended				Predicted reliability	Owner satisfaction	Baking	Broiling	Oven capacity	Self-cleaning	Width (in.)	Convection mode

DOUBLE ELECTRIC WALL OVENS

✓	KitchenAid KODE500ESS	85	\$2,700	⬇	⬆	⬆	⬆	⬆	⬇	30	●
✓	LG LWD3063ST	82	\$2,200	⬆	⬆	⬆	⬆	⬆	⬆	30	●
✓	Samsung NV51K7770DG/AA	81	\$4,199	⬇	⬇	⬆	⬆	⬆	⬆	30	●
	Frigidaire Gallery FGET3066UF	78	\$2,050	⬇	⬇	⬆	⬆	⬆	⬇	30	●
	Café CTD70DM2NS5	77	\$4,149	⬆	⬇	⬇	⬆	⬆	⬆	30	●
	Jenn-Air JJW3830DS	75	\$5,500	⬇	⬇	⬆	⬆	⬆	⬇	30	●

HOW WE TEST: Overall

Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years.

Owner satisfaction reflects the proportion of CR members

who are extremely likely to recommend the wall ovens they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. **Baking** reflects whether cakes and cookies baked on two racks were evenly browned. **Broiling**

is based on even browning of a pan of burgers, and high-heat searing ability. **Oven capacity** measures usable space. **Self-cleaning** gauges the self-cleaning cycle's effectiveness. **Price** is approximate retail. The performance of double wall-oven models is based on the tested oven in the single electric wall oven category.

Washing Machines

Today's washers tend to boast larger capacities, so you can do more laundry at once. You'll also find specialty cycles and WiFi-enabled models that provide added perks, like notifications when a load is finished.



What to Look For

- Capacity that matches your needs. Our tests found that washers with a claimed capacity over 4.5 cubic feet readily fit a king-sized comforter.
- Front-loaders spin at higher speeds, extracting more water and cutting drying time.
- Automatic dispensers dispense detergent, bleach, and fabric softener at just the right time.
- An extra rinse cycle if you or others in your household

are sensitive to detergent residue. The cycle also helps get rid of pet hair.

What You'll Pay

Capable washing machines that combine performance and value start around \$600 or so. If space is tight, a 24-inch-wide compact washer might appeal, but the price may not be right. You'll spend \$800 to \$2,300 on a compact washer, and roughly the same on a compact dryer.

BUYING ADVICE

If your laundry room is near any bedrooms or the family room, narrow your search to washing machines that score Very Good or Excellent in our noise and vibration tests.

For more buying advice, go to CR.org/washers.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability	Owner satisfaction	Washing performance	Energy efficiency	Water efficiency	Gentleness	Noise	Vibration
FRONT-LOAD WASHERS											
✓	LG WM3900HWA	86	\$1,100	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆
💰	LG WM3500CW	86	\$630	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆
✓	LG WM9000HVA	85	\$1,200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability	Owner satisfaction	Washing performance	Energy efficiency	Water efficiency	Gentleness	Noise	Vibration

FRONT-LOAD WASHERS *Continued*

✓	LG Signature WM9500HKA	84	\$1,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	LG WM3700HWA	84	\$650	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆
✓	LG WM3997HWA	83	\$1,850	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Speed Queen FF7005WN	82	\$1,900	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆
✓	Kenmore 41562	82	\$1,000	⬆	⬇	⬆	⬆	⬆	⬇	⬆	⬆
\$	Maytag MHW6630HW	82	\$750	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬆
✓	LG WM8100HVA	82	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Maytag MHW8630HC	81	\$1,230	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬆
✓	Kenmore Elite 41982	81	\$1,100	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
\$	Maytag MHW5630HW	81	\$700	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬆
\$	Samsung WF45R6300AW	81	\$700	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬇
✓	Electrolux EFLS627UTT	81	\$1,080	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
✓	Samsung WF50K7500AW	81	\$990	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung FlexWash WV60M9900AV	80	\$1,250	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung WF50R8500AW	80	\$1,080	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇
	Kenmore Elite 41072	80	\$950	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung WF45K6500AW	80	\$990	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Electrolux EFLS527UIW	80	\$900	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Kenmore 41462	80	\$785	⬆	⬇	⬆	⬆	⬆	⬇	⬆	⬆
	Kenmore Elite 41002	79	\$1,300	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability	Owner satisfaction	Washing performance	Energy efficiency	Water efficiency	Gentleness	Noise	Vibration

FRONT-LOAD WASHERS *Continued*

	Kenmore Elite 41782	79	\$800	⬆	⬇	⬆	⬆	⬆	⬇	⬆	⬆
	Amana NFW5800HW	78	\$550	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇
	Samsung WF42H5000AW	78	\$550	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇
	Kenmore 41392	78	\$680	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung FlexWash WV55M9600AW	77	\$1,095	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung WF45M5500AW	77	\$910	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WFW9620HC	76	\$1,350	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆
	Whirlpool WFW862CHC	76	\$1,365	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇
	Whirlpool WFW6620HW	76	\$900	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆
	Electrolux EFLW427UIW	74	\$900	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆
	GE GFW650SSNWW	74	\$800	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	GE GFW850SPNRS	74	\$900	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung WF45N5300AV	73	\$850	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	GE GFW450SSMWW	68	\$900	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬇

TOP-LOAD HE WASHERS

✓	LG WT7900HBA	81	\$1,170	⬆	⬆	⬆	⬆	⬆	⬇	⬇	⬆
\$	LG WT7100CW	81	\$600	⬆	⬆	⬆	⬆	⬆	⬇	⬇	⬆
✓	Kenmore Elite 31552	74	\$875	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆
	LG WT7300CW	71	\$840	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬆
	Kenmore Elite 31433	70	\$700	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results					
Recommended				Predicted reliability						
				Owner satisfaction						
				Washing performance						
				Energy efficiency						
				Water efficiency						
				Gentleness						
				Noise						
Vibration										

TOP-LOAD HE WASHERS *Continued*

	Kenmore 28132	69	\$700	ⓘ	ⓘ	⬆	⬆	⬆	ⓘ	⬆	⬆
	Whirlpool WTW8500DW	69	\$1,050	ⓘ	ⓘ	⬆	⬆	⬆	⬆	⬆	⬆
	Kenmore 26132	69	\$550	ⓘ	ⓘ	⬆	⬆	⬆	ⓘ	⬆	⬆
	Kenmore 27132	69	\$600	ⓘ	ⓘ	⬆	⬆	⬆	ⓘ	⬆	⬆
	Kenmore 29132	69	\$725	ⓘ	ⓘ	⬆	⬆	⬆	ⓘ	⬆	⬆
	Samsung WA50R5400AW	69	\$630	ⓘ	⬇	⬆	⬆	⬆	ⓘ	ⓘ	⬆
	Maytag MVWB835DW	69	\$1,000	⬆	ⓘ	⬆	⬆	⬆	ⓘ	⬆	⬆
	Samsung ActiveWash WA54M8750AV	68	\$1,145	ⓘ	⬇	⬆	⬆	⬆	ⓘ	⬆	⬆
	Whirlpool WTW8000DW	67	\$900	ⓘ	ⓘ	⬆	⬆	⬆	ⓘ	⬆	⬆
	Samsung ActiveWash WA52M7750AW	67	\$865	ⓘ	⬇	⬆	⬆	⬆	⬇	⬇	⬆
	Samsung WA54R7600AW	67	\$990	ⓘ	⬇	⬆	⬆	⬆	⬇	ⓘ	⬆
	Whirlpool WTW7500GW	67	\$810	ⓘ	ⓘ	ⓘ	⬆	⬆	ⓘ	ⓘ	⬆
	Kenmore Elite 31632	66	\$1,110	ⓘ	ⓘ	ⓘ	⬆	ⓘ	ⓘ	⬆	⬆
	Samsung ActiveWash WA52M8650AW	66	\$815	ⓘ	⬇	⬆	⬆	⬆	ⓘ	ⓘ	⬆
	Maytag MVW7232HW	65	\$730	⬆	ⓘ	⬆	⬆	ⓘ	ⓘ	ⓘ	⬆
	GE GTW840CSNWS	65	\$855	ⓘ	⬇	⬆	⬆	⬆	⬇	ⓘ	⬆
	GE GTW500ASNWS	63	\$700	ⓘ	⬇	⬆	ⓘ	⬆	ⓘ	ⓘ	⬆
	Maytag MVWX655DW	62	\$730	⬆	ⓘ	ⓘ	ⓘ	ⓘ	⬆	⬇	⬆
	Fisher & Paykel Aqua Smart WL4027P1	61	\$1,000	ⓘ	ⓘ	ⓘ	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability	Owner satisfaction	Washing performance	Energy efficiency	Water efficiency	Gentleness	Noise	Vibration

TOP-LOAD HE WASHERS *Continued*

	GE GTW720BSNWS	61	\$580	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	GE GTW680BSJWS	61	\$750	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WTW5100HW	61	\$730	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

TOP-LOAD AGITATOR WASHERS

✓	Maytag MVWB965HC	70	\$1,270	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆
✓	GE GTW465ASNWW	64	\$660	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Speed Queen TR7000WN	63	\$1,100	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆
	Maytag MVW6230HW	62	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Speed Queen TC5000WN (AWN632SP116TW01)	62	\$1,050	⬆	⬆	⬆	⬇	⬆	⬆	⬇	⬆
	Kenmore 22352	61	\$585	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	GE GTW725BSNWS	61	\$760	⬆	⬇	⬆	⬆	⬆	⬇	⬆	⬆
	Whirlpool WTW5105HW	60	\$650	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	GE GTW845CPNDG	60	\$955	⬆	⬇	⬆	⬆	⬆	⬇	⬆	⬆
	GE GTW335ASNWW	60	\$560	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Kenmore 20372	60	\$600	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆
	Maytag MVWC565FW	59	\$675	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Insignia NS-TWM41WH8A	58	\$450	—	—	⬆	⬆	⬆	⬆	⬆	⬆
	Whirlpool WTW5005KW	58	\$675	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability	Owner satisfaction	Washing performance	Energy efficiency	Water efficiency	Gentleness	Noise	Vibration

TOP-LOAD AGITATOR WASHERS *Continued*

	Frigidaire FFT4120SW	58	\$700	ⓘ	⊕	ⓘ	ⓘ	⬆	⬆	⬇	⬆
	Whirlpool WTW4955HW	57	\$585	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ	⬇	⬆
	Maytag MVWC465HW	57	\$480	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ	ⓘ	⬇	⬆

COMPACT WASHERS

✓	Samsung WW22N6850QX	84	\$1,235	⬆	ⓘ	⬆	⬆	⬆	⬆	⬆	ⓘ
✓	Miele WWH860WCS	81	\$2,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	ⓘ
\$	Samsung WW22K6800AW	79	\$800	⬆	ⓘ	⬆	⬆	⬆	⬆	⬆	⬇
✓	Bosch 800 Series WAT28402UC	76	\$1,305	ⓘ	ⓘ	⬆	⬆	⬆	⬆	⬆	ⓘ
\$	Electrolux EFLS210TIW	76	\$900	ⓘ	⬆	⬆	⬆	⬆	ⓘ	⬆	ⓘ

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the washing machine they bought. In cases

where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. **Washing performance** reflects the degree of stain removal from fabric using the most aggressive normal cycle. **Energy efficiency** is based on the energy needed to heat the water using a warm wash and cold rinse, to run the washer, and to dry the remaining

moisture left at the end of a cycle. **Water efficiency** is based on total water used when washing our 8-pound load. Models that earn lower scores for **Gentleness** are more likely to treat your clothes roughly, causing wear and tear. **Noise** reflects panelists' judgments during the fill, agitate, drain, and spin cycles. **Vibration** reflects usage on a suspended wooden floor. **Price** is approximate retail.

Washer-Dryer Pairs

Here are our picks for six top-performing matching washer-dryer pairs across all the categories we test. The Overall Score shown is for the set. See our Ratings for more.

FRONT-LOADERS



WM9000HVA washer
DLEX9000V electric dryer
Pair price: \$2,820

88



WM3500CW washer
DLE3500W electric dryer
Pair price: \$1,260

87

HIGH-EFFICIENCY (HE) TOP LOADERS



WT7900HBA washer
DLEX7900BE electric dryer
Pair price: \$2,340

84



WT7100CW washer
DLE7100W electric dryer
Pair price: \$1,320

83

AGITATOR



MVWB965HC washer
MEDB955FC electric dryer
Pair price: \$2,570

76

COMPACT



WWH860WCS washer
TWI180WP electric ventless dryer
Pair price: \$3,900

83



Electronics

84 **Computers,
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Computers, Desktop

Desktops typically offer more performance for the money than laptops. They can also be upgraded more easily than laptops, letting you increase power or add more features down the line.



What to Look For

- For less clutter and sleeker design, all-in-one desktops hide the computer hardware in a smaller package.
- A solid-state drive (which is faster than a traditional hard disk drive) will give you shorter load times and quick access to applications and other data. Some desktops include an additional hard disk drive of 1TB or more for extra storage space.

What to Skip

- Upgrading beyond 16GB of memory, unless you're a big multitasker or video editor.

What You'll Pay

- You can get a very good all-in-one for \$500 to \$900, but many fuller-featured models cost more than \$1,000.

BUYING ADVICE

Save money on your purchase by using coupon and forum sites such as Ebates.com, FatWallet.com, and Tech bargains.com.

For more buying advice, go to CR.org/computers.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results		Test Results				Features			
Recommended				Predicted reliability	Owner satisfaction	Performance	Versatility	Ergonomics	Display	Display size (in.)	Memory (GB)	Storage (GB)	
	ALL-IN-ONE DESKTOPS												
	✓	Apple 27-inch iMac 5K Display (2019, MRQY2LL/A)	81	\$1,800	⬆	⬆	⬆	⬇	⬆	⬆	27	8	1000
	✓	HP Envy 32-a0014	81	\$2,000	⬇	⬇	⬆	⬆	⬆	⬆	31.5	16	512
	✓	Apple 21.5-inch iMac MMQA2LL/A	78	\$1,100	⬆	⬆	⬆	⬇	⬆	⬆	21.5	8	1000
💰	Lenovo IdeaCentre 520-27ICB	76	\$820	⬇	⬇	⬆	⬆	⬆	⬆	27	16	1000	

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Performance Versatility Ergonomics Display	Display size (in.) Memory (GB) Storage (GB)

ALL-IN-ONE DESKTOPS *Continued*

	Dell Inspiron 7790-7012SLV	73	\$1,380	ⓘ	ⓘ	⬆	⬆	⬆	⬆	27	12	512
	Dell Inspiron 5490-5322SLV	70	\$700	ⓘ	ⓘ	⬆	⬆	⬆	⬆	23.8	8	512
	HP 24-f0157c	68	\$810	ⓘ	ⓘ	⬆	⬆	⬆	⬆	24	12	1000
	HP Pavilion 27-a0013w	65	\$1,150	ⓘ	ⓘ	⬆	⬆	⬆	⬆	27	8	1000
	HP Pavilion 24-xa0024	65	\$950	ⓘ	ⓘ	⬆	⬆	⬆	⬆	23.8	12	256
	HP Pavilion 24-xa1014	64	\$930	ⓘ	ⓘ	⬆	⬆	⬆	⬆	23.8	8	256
	Lenovo ideacentre A340-22IGM	56	\$550	ⓘ	ⓘ	⬇	⬆	⬆	⬆	21.5	4	1000

FULL-SIZE DESKTOPS

✓	Dell XPS 8930-7339BLK	81	\$1,200	ⓘ	ⓘ	⬆	⬆	⬆	NA	NA	16	1256
✓	Lenovo ideacentre 720-18ICB	79	\$1,300	ⓘ	ⓘ	⬆	⬆	⬆	NA	NA	16	2000
	Dell Inspiron 3670-5575BLK	71	\$750	ⓘ	ⓘ	⬆	⬆	⬆	NA	NA	12	1128

COMPACT DESKTOPS

✓	Intel NUC 8 Enthusiast	77	\$900	—	—	⬆	⬆	⬆	NA	NA	16	512
	Apple Mac Mini Core i5	67	\$1,100	⬆	⬆	⬆	⬆	⬆	NA	NA	8	256
	Apple Mac Mini Core i3	62	\$800	⬆	⬆	⬆	⬆	⬆	NA	NA	8	128

HOW WE TEST: Overall Score

combines test results with survey data for predicted reliability and owner satisfaction.

Predicted reliability is based on estimated problem rates for newly purchased desktop computers, not under service contract, within the first three years of ownership. **Owner satisfaction** scores are based

on the proportion of members who are extremely likely to recommend their desktop computer brand to their friends and family. **Performance** reflects speed while running productivity applications, multimedia applications, and 3D games. **Versatility** includes hardware, such as memory-card slots and A/V connections;

software, such as security programs; and tech support and warranty provisions.

Ergonomics represents the quality of the keyboard and pointing device, and accessibility of features. For all-in-ones, **display** covers display size, clarity, color, contrast, brightness, and glare.

Price is approximate retail.

Computers, Laptop

Some laptops offer features and capabilities that rival those of traditional desktops. You'll find more thin-and-light laptops than ever, and touch screens and solid-state drives are becoming more common.



What to Look For

- A convertible or detachable if you want a laptop/tablet combo.
- A 10- to 13-inch model if you plan to carry the laptop around with you frequently.
- A 14- to 16-inch screen for a larger area to view photos or videos and a more comfortable keyboard fit.
- A 17- to 18-inch model for an entertainment-oriented desktop replacement.

What to Skip

- A 4K display, unless you regularly edit hi-res photos or videos. These displays pack four times as many pixels as a 1080p display but typically at the cost of battery life.

What You'll Pay

A well-equipped 15-inch laptop in the middle price range should cost you \$600 to \$1,000.

BUYING ADVICE

If you want to customize a model, order à la carte from the manufacturer's website.

For more buying advice, go to CR.org/computers.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results					Features			
Recommended				Predicted reliability	Owner satisfaction	Portability	Performance	Display	Ergonomics	Versatility	Battery life - web (hr.)	Battery life - video (hr.)	Weight (lb.)
10- TO 11-INCH LAPTOPS													
✓	Microsoft Surface Go 2	55	\$530	⬇️	⬆️	⬆️	⬇️	⬆️	⬇️	⬆️	12	6.75	1.7
	Asus VivoBook E203MA-TBCL432B	51	\$260	⬇️	⬇️	⬆️	⬇️	⬇️	⬇️	⬇️	12	7.5	2.2
	Acer Spin 1 SP111-33-P1XD	49	\$330	⬇️	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	11.5	7.25	2.7

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Portability Performance Display Ergonomics Versatility	Battery life - web (hr.) Battery life - video (hr.) Weight (lb.)

12- TO 13-INCH LAPTOPS

\$	LG Gram 13 8th Gen	79	\$970	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	16.25	11	2.1
✓	Apple MacBook Pro 13-inch with Touch Bar (2019, Core i5)	77	\$2,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	16	7.25	3
\$	Samsung Galaxy Book Flex Alpha	76	\$900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	16.25	8.5	2.6
✓	Apple MacBook Pro 13-inch with Retina Display (2019, Core i7)	76	\$1,600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	13.5	7.25	3
✓	Apple Macbook Air 13-inch (2020)	73	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12.75	7	2.8
✓	Dell XPS 13 Convertible	72	\$1,900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	15.75	8.25	2.9
✓	Microsoft Surface Laptop 3 (13-inch)	71	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	13.5	7	2.8
✓	Apple MacBook Air 13-inch (2019, M1/M2/M3)	70	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.5	7.5	2.7
✓	Samsung Notebook 9 Pro (2019)	68	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	8.5	7.25	2.8
✓	Dell XPS 13 (2019)	67	\$1,650	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.25	6.5	2.7
✓	Dell XPS 13 (XPS9380-7066SLV)	67	\$1,860	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.25	7	2.7
✓	HP Spectre Folio	67	\$980	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	18.5	10.25	3.2
✓	Microsoft Surface Pro X (128GB)	67	\$1,140	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11	8.5	2.4
✓	Microsoft Surface Pro X (256GB)	66	\$1,640	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10.5	8	2.4
✓	Microsoft Surface Pro 7 (Core i5)	65	\$1,060	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10.5	5.5	2.4
✓	HP Envy 13-AQ1013DX	65	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.25	5.75	2.8

	Brand & Model	Overall Score	Price	Survey Results	Test Results					Features		
Recommended				Predicted reliability								
				Owner satisfaction								
				Portability								
				Performance								
				Display								
				Ergonomics								
				Versatility								
				Battery life - web (hr.)								
				Battery life - video (hr.)								
				Weight (lb.)								

12- TO 13-INCH LAPTOPS *Continued*

✓	Razer Blade Stealth	65	\$1,800	—	—	⬆	⬆	⬆	⬆	⬆	11.25	7.5	3.1
	Microsoft Surface Book 3	62	\$1,600	⬇	⬆	⬇	⬇	⬆	⬆	⬆	9.5	7	3.4
	Microsoft Surface Pro 7 (Core i3)	62	\$910	⬇	⬆	⬇	⬇	⬆	⬆	⬆	9.75	5	2.4
	HP Pavilion 13-AN0030WM	58	\$500	⬇	⬇	⬆	⬇	⬇	⬆	⬇	10.25	6.5	2.8
	Samsung Notebook Flash	53	\$390	⬆	⬇	⬇	⬇	⬆	⬆	⬇	9.25	7.25	3
	HP Envy X2	45	\$800	⬇	⬇	⬆	⬇	⬆	⬆	⬆	16.25	15.75	2.7

14-INCH LAPTOPS

✓	LG Gram 14 (2020)	73	\$1,200	⬆	⬇	⬆	⬇	⬆	⬆	⬆	19.5	9	2.2
✓	MSI Modern 14 A10RAS-883	72	\$900	⬇	⬇	⬆	⬆	⬆	⬆	⬆	12	9.5	2.7
✓	Asus ZenBook S UX392FN-XS71	70	\$1,190	⬇	⬇	⬆	⬆	⬆	⬇	⬆	14	8.75	2.6
✓	Lenovo Yoga C940-14	68	\$1,600	⬇	⬇	⬇	⬆	⬆	⬆	⬆	9.5	6.25	3.1
✓	Lenovo Yoga C740-14	67	\$700	⬇	⬇	⬆	⬆	⬆	⬆	⬆	13.5	9	3
✓	Lenovo Flex 14IML	66	\$750	⬇	⬇	⬆	⬆	⬆	⬆	⬆	11.25	7.25	3.4
✓	Acer Aspire 5 A514-52-78MD	65	\$550	⬇	⬇	⬆	⬆	⬆	⬆	⬆	12	8.75	3.3
	Asus VivoBook S433FA-DS51	64	\$650	⬇	⬇	⬆	⬇	⬆	⬆	⬆	12.75	8.75	3.1
	Lenovo Flex 6-14IKB	64	\$470	⬇	⬇	⬆	⬇	⬇	⬆	⬆	12	7	3.4
	Asus ZenBook UX431FL-EH74	63	\$890	⬇	⬇	⬇	⬆	⬆	⬇	⬆	9	7	3.4
	HP Pavilion 14M-DW0023DX x360	62	\$750	⬇	⬇	⬇	⬆	⬆	⬆	⬆	8.5	5.75	3.6
	Acer Spin 3 SP314-51-59NM	61	\$650	⬇	⬇	⬆	⬇	⬇	⬆	⬆	11.5	7.25	3.6

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Portability Performance Display Ergonomics Versatility	Battery life - web (hr.) Battery life - video (hr.) Weight (lb.)

14-INCH LAPTOPS *Continued*

	HP Pavilion 14M-DH1003DX x360	58	\$750	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	8.25	5.75	4
	Onn i3 laptop	57	\$400	—	—	⬇️	⬇️	⬆️	⬆️	⬇️	8.75	6.25	3.3
	Acer Swift 1 SF114-32-P2PK	55	\$300	⬇️	⬇️	⬆️	⬇️	⬆️	⬆️	⬇️	13.75	10.75	2.9
	HP 14-CF0006DX	52	\$360	⬇️	⬇️	⬆️	⬇️	⬇️	⬇️	⬆️	12	8	3.1

15- TO 16-INCH LAPTOPS

✓	Apple MacBook Pro 16-inch	84	\$2,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	15.75	9	4.3
✓	Samsung Notebook 9 Pen (2019)	80	\$1,600	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	11.25	7.75	3.4
✓	LG Gram 15 (2020)	79	\$2,000	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	15	8	2.5
✓	Apple MacBook Pro 15-inch with Touch Bar (2019, Core i7)	79	\$2,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	15.5	7	4
✓	Asus ZenBook UX534FT-DB77	77	\$1,400	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	13.25	8.75	3.8
✓	Dell XPS 15 (2019)	77	\$1,850	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	14	8.5	4.5
✓	Dell XPS 15 (Core i9)	75	\$2,500	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	11.5	8	4.4
💰	MSI Modern 15 A10RAS-096	73	\$1,000	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	9	7.5	3.4
✓	MSI GS65 Stealth-006	72	\$1,650	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	7.5	6	4.4
💰	Lenovo Yoga C740-15	71	\$830	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	14.75	10.5	4.1
✓	Asus Q526FA-BI7T10	71	\$1,050	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	10.75	7.5	4.3
✓	MSI GS65 Stealth-296	71	\$1,700	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	6.5	5.25	4.4
💰	Lenovo Flex 15	70	\$900	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	12.25	8.25	4.7

	Brand & Model	Overall Score	Price	Survey Results	Test Results					Features		
Recommended				Predicted reliability Owner satisfaction	Portability	Performance	Display	Ergonomics	Versatility	Battery life - web (hr.)	Battery life - video (hr.)	Weight (lb.)

15- TO 16-INCH LAPTOPS *Continued*

✓	Razer Blade 15 (2019)	69	\$2,400	—	—	⬇	⬆	⬆	⬆	8	6	4.7
✓	Microsoft Surface Laptop 3 (15-inch)	69	\$1,500	⬇	⬆	⬆	⬆	⬆	⬆	10.25	6	3.4
✓	Alienware M15	68	\$1,900	⬇	⬆	⬇	⬆	⬆	⬆	7.25	5	4.9
✓	Dell Inspiron i7590-5841BLK	68	\$1,000	⬇	⬇	⬆	⬆	⬆	⬆	11.5	6.25	3.6
✓	Asus ZenBook Pro Duo UX581GV	68	\$2,500	⬇	⬇	⬇	⬆	⬆	⬆	5.5	4.5	5.5
✓	HP Envy 15M-DR1012DX x360	68	\$1,000	⬇	⬇	⬆	⬆	⬆	⬆	10.75	7.75	4.3
✓	Dell G5 15 (2019)	67	\$900	⬇	⬇	⬇	⬆	⬆	⬆	11.25	6	5.9
✓	HP Envy 15M-DR0011DX x360	67	\$1,150	⬇	⬇	⬆	⬇	⬇	⬆	11	7.25	4.2
✓	HP Envy 15M-DS0023DX x360	66	\$900	⬇	⬇	⬆	⬇	⬇	⬆	11	7.25	4.3
✓	HP Envy 15M-DS0011DX x360	65	\$860	⬇	⬇	⬆	⬇	⬇	⬆	10	6.25	4.4
✓	Asus VivoBook S512FL-PH77	65	\$900	⬇	⬇	⬇	⬆	⬆	⬆	7	5	3.8
	HP Pavilion 15-CS3076NR	64	\$770	⬇	⬇	⬇	⬆	⬇	⬆	8	5	3.8
	Acer Nitro 5 AN515-43-ROYM	64	\$600	⬇	⬇	⬆	⬆	⬆	⬇	10	6.25	4.7
	Lenovo IdeaPad S340-15API	64	\$530	⬇	⬇	⬆	⬇	⬆	⬆	8.25	5.5	4
	Acer Aspire 5 A515-52-53QM	63	\$700	⬇	⬇	⬆	⬆	⬇	⬆	9.5	7.25	3.7
	HP 15-DA1005DX	62	\$750	⬇	⬇	⬆	⬆	⬇	⬆	8	7	4.2
	Dell G7 15	61	\$870	⬇	⬇	⬇	⬆	⬇	⬆	7.25	5	5.9

	Brand & Model	Overall Score	Price	Survey Results	Test Results					Features		
Recommended				Predicted reliability Owner satisfaction	Portability	Performance	Display	Ergonomics	Versatility	Battery life - web (hr.)	Battery life - video (hr.)	Weight (lb.)

15- TO 16-INCH LAPTOPS *Continued*

	Lenovo IdeaPad S340-15	61	\$400	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	6.5	4.25	3.8
	Asus VivoBook 15-X512DA	61	\$600	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️	7.25	4.75	3.4
	HP 15-DY1023DX	60	\$550	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	8.75	4.75	3.5
	Dell Inspiron 3593	59	\$450	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	8	5	4.4
	Asus VivoBook F512DAPB31	56	\$430	⬇️	⬇️	⬆️	⬇️	⬆️	⬆️	9.25	5.25	3.7
	Samsung Odyssey Z NP850XAC-X01US	55	\$1,620	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️	4.25	2.75	5.2
	HP 15-DY1024WM	55	\$280	⬇️	⬇️	⬆️	⬇️	⬇️	⬇️	9.25	5.5	3.5
	Lenovo IdeaPad 330S-15ARR	53	\$530	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️	4.75	2.75	3.8
	HP 15-BS115DX	53	\$650	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	5.25	4	4.4
	Asus X555QA-CBA12A	48	\$480	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	5.75	3.25	4.1
	Lenovo IdeaPad 130-15AST	44	\$340	⬇️	⬇️	⬇️	⬇️	⬇️	⬆️	5	2.75	4.5

17- TO 18-INCH LAPTOPS

✓	LG Gram 17 (2020)	78	\$1,500	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	16.75	8	3
\$	Acer Nitro 5 AN517-51-56YW	72	\$1,000	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	9	6	5.7
✓	Dell G7 17	71	\$1,500	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	7.25	5.25	7.1
✓	MSI GE75 Raider	70	\$1,400	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	5	3.5	5.8
\$	HP Pavilion Gaming 17-CD0020NR	69	\$930	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	8	4.75	6.2
✓	Asus ROG Strix GL731GT-PH74	68	\$1,300	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	6.5	4.25	5.8

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Portability Performance Display Ergonomics Versatility	Battery life - web (hr.) Battery life - video (hr.) Weight (lb.)

17- TO 18-INCH LAPTOPS *Continued*

✓	Asus ROG Zephyrus GX701GW-DB76	67	\$2,400	ⓘ ⓘ ⓘ ⬆ ⬆ ⓘ	5.5 4.5 5.8
✓	Lenovo Legion Y740-17IRHg	66	\$2,100	ⓘ ⓘ ⬇ ⬆ ⬆ ⬆ ⬆	4.25 2.25 6.6
\$	Dell Inspiron i3793-5657BLK	66	\$750	ⓘ ⓘ ⓘ ⬆ ⬆ ⬆ ⬆	6 4.5 5.9
	Dell Inspiron i7786-7929SLV	64	\$1,000	ⓘ ⓘ ⓘ ⓘ ⬆ ⬆ ⬆	5.75 5.5 6
	Lenovo IdeaPad L340-17IWL	58	\$700	ⓘ ⓘ ⓘ ⓘ ⓘ ⬆ ⬆	5.5 4.75 5.6
	HP 17-BY1033DX	58	\$680	ⓘ ⓘ ⓘ ⓘ ⓘ ⬆ ⬆	6.5 5.25 5.3
	HP 17-CA1031DX	56	\$530	ⓘ ⓘ ⬇ ⓘ ⓘ ⬆ ⬆	4.75 3 5.3

HOW WE TEST: Overall Score

combines test results with survey data for predicted reliability and owner satisfaction.

Predicted reliability is based on estimated problem rates for newly purchased laptop computers, not under service contract, within the first three years of ownership. **Owner satisfaction** icons are based on the proportion of members who are extremely likely to recommend their laptop brand to their friends and family.

Ergonomics represents the quality of the keyboard and pointing device, and accessibility of features. **Portability** is based on battery life under a mix of light and heavy

tasks, size, and weight, including the keyboard dock for detachable laptops.

Performance is based on performance while running productivity applications, multimedia applications, web browsing, and 3D games.

Versatility includes hardware such as memory-card slots and AV connections, software such as security programs, and tech support and warranty provisions. **Display** covers display size, clarity, color, brightness, and glare. **Battery life - web (hr)** is the time it takes to deplete a fully charged battery while the laptop loads a sequence of web pages over WiFi. Bluetooth and 3G/4G are

disabled and the screen is set to a specific brightness that's usable indoors or outdoors. **Battery life - video (hr)** is the time it takes to deplete a fully charged battery while the laptop loops a 4K video. Bluetooth and 3G/4G are disabled and the screen is set to a specific brightness that is usable indoors or outdoors. **Weight (lbs)** of the laptop as you would carry it around, including the battery but without the power adapter or a removable CD/DVD drive. Detachable laptops include the weight of the keyboard. **Price** is approximate retail.

Digital Cameras

Consumers are placing increasing demands on cameras, and manufacturers are meeting those needs by adding more capabilities, including wireless connectivity.



What to Look For

- An SLR or mirrorless model with interchangeable lenses offers maximum versatility.
- A point-and-shoot model has fewer features, but can still take high-quality images.
- A zoom lens that includes a wide-angle option—look for a 28mm or even wider—is ideal for panoramic landscapes or large group portraits.
- An optical or electronic viewfinder helps you conserve battery power or compose photos when bright light washes out your LCD.
- An LCD screen provides an alternative to a conventional viewfinder. Look for one that pivots for easier viewing. Touch screen capability offers easy menu interaction.

■ An easily accessible video mode lets you record high-quality video.

■ A lens with a wide maximum aperture opening helps capture images in low-light situations.

■ WiFi connectivity enables faster uploading.

What to Skip

■ Buying solely based on megapixel count: Higher resolution doesn't always ensure better photos.

■ An extended warranty; digital cameras have been very reliable overall in our subscriber surveys.

What You'll Pay

For basic point-and-shoots, expect to spend \$100 to \$300. For advanced point-and-shoots, \$300 to \$1,200. For mirrorless cameras, \$350 to \$3,300. For SLRs, \$400 to \$3,700.

BUYING ADVICE

If you don't intend to change the lens on your camera, consider an advanced point-and-shoot, with a fixed lens. Some models have large image sensors with excellent optics and lots of features.

For more buying advice, go to CR.org/cameras.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Predicted reliability	Owner satisfaction	Image quality	Ease of use	Video quality	LCD quality	Viewfinder	Flash photos	Image stabilization

POINT-AND-SHOOT

✓	Fujifilm XF10	75	\$500	—	—	⬆	⬆	⬆	⬆	NA	⬆	⬆
Ⓢ	Canon PowerShot ELPH 360 HS	71	\$200	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
✓	Sony Cyber-shot WX350	68	\$290	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
Ⓢ	Canon PowerShot ELPH 190 IS	66	\$160	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
	Canon PowerShot ELPH 180	62	\$120	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
	Sony Cyber-shot W830	43	\$130	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
	Sony Cyber-shot W800	36	\$100	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
	Nikon CoolPix A10	34	\$90	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
	Canon Ivy Rec	25	\$80	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆

ADVANCED POINT-AND-SHOOT

✓	Sony Cyber-shot RX10 II	87	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Sony Cyber-shot RX10 III	86	\$1,400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Sony Cyber-shot RX10 IV	85	\$1,700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Ⓢ	Canon PowerShot G1 X Mark II	84	\$780	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
Ⓢ	Panasonic Lumix DMC-LX10	84	\$500	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
✓	Sony Cyber-shot RX100 VI	83	\$1,200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Ⓢ	Panasonic Lumix DMC-LX100 II	83	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Fujifilm X100V	83	\$1,400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Leica V-Lux 5	83	\$1,400	—	—	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Ⓢ	Canon PowerShot G7 X Mark II	83	\$600	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
✓	Sony Cyber-shot RX100 IV	82	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Sony Cyber-shot RX1R II	82	\$3,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆
✓	Sony Cyber-shot RX100 VII	82	\$1,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results						
Recommended				Predicted reliability Owner satisfaction	Image quality	Ease of use	Video quality	LCD quality	Viewfinder	Flash photos	Image stabilization

ADVANCED POINT-AND-SHOOT *Continued*

✓	Panasonic Lumix DMC-FZ2500	82	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Sony Cyber-shot RX100 V	82	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Canon PowerShot G5 X Mark II	82	\$900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Canon PowerShot G3 X	81	\$850	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️
💰	Canon PowerShot G7 X Mark III	81	\$750	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️
💰	Panasonic Lumix DMC-LX100	80	\$600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Panasonic Lumix DMC-FZ1000 II	80	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Fujifilm X100F	80	\$1,300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Canon PowerShot G1 X Mark III	80	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
💰	Sony Cyber-shot RX100 III	80	\$600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Panasonic Lumix DMC-ZS100	79	\$400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Leica C-Lux	79	\$1,200	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Panasonic Lumix DMC-ZS200	78	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Ricoh GR III	78	\$900	—	—	⬆️	⬆️	⬆️	NA	NA	⬆️
	Canon PowerShot G5 X	78	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Ricoh GR II	76	\$600	—	—	⬆️	⬆️	⬆️	NA	⬆️	⬆️
	Canon PowerShot G9 X Mark II	74	\$430	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️
	Canon PowerShot SX60 HS	66	\$550	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Canon PowerShot SX70 HS	62	\$550	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Nikon Coolpix A1000	61	\$480	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Panasonic Lumix FZ80	51	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Panasonic Lumix DMC-ZS70	44	\$350	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Predicted reliability Owner satisfaction	Image quality	Ease of use	Video quality	LCD quality	Viewfinder	Flash photos	Image stabilization	

MIRRORLESS

✓	Fujifilm X-T4 w/ 16-80mm OIS	90	\$2,200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Fujifilm X-T4 w/ 18-55mm OIS	90	\$2,100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Nikon Z6 w/ 24-70mm S	89	\$2,400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Nikon Z7 w/ 24-70mm S	89	\$4,000	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Fujifilm X-T3 w/ 18-55mm	87	\$1,900	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	I	⬆️	
✓	Sony Alpha A7 III w/ 28-70mm OSS	87	\$2,200	I ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Panasonic Lumix DC-S1 w/ 24-105mm	86	\$2,900	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Canon EOS R w/ 24-105 IS USM	85	\$2,700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Panasonic Lumix DC-GH5 w/ 12-60mm	85	\$2,000	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Fujifilm X-T2 w/ XF 18-55mm f2.8-4 R LM OIS	85	\$1,550	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️	⬆️	
Ⓢ	Fujifilm X-T20 w/ 16-50mm OIS	84	\$800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	I ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️	⬆️	
✓	Fujifilm X-Pro2 w/ XF 18-55mm	84	\$1,700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	I ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
Ⓢ	Sony Alpha A7 II w/ FE 28-70mm f/3.5-5.6	84	\$1,000	I ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
✓	Panasonic Lumix DC-G9 w/ 12-60mm	83	\$1,800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	NA	⬆️	
Ⓢ	Fujifilm X-E3 w/ 18-55mm OIS	83	\$1,000	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	I	⬆️	⬆️
Ⓢ	Panasonic Lumix DC-G95 w/ 12-60mm	82	\$1,000	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	I	⬆️	
Ⓢ	Panasonic Lumix DMC-G85 w/ 12-60mm f/3.5-5.6 Power OIS	81	\$700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️	⬆️	
✓	Fujifilm X-T30 w/ XF 18-55mm	81	\$1,300	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	I ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️	⬆️	
Ⓢ	Panasonic Lumix DMC-G7K w/ 14-42mm	81	\$450	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	I	⬆️	

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Predicted reliability Owner satisfaction	Image quality	Ease of use	Video quality	LCD quality	Viewfinder	Flash photos	Image stabilization	

MIRRORLESS *Continued*

✓	Canon EOS RP w/ RF 24-105mm	81	\$1,950	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	
✓	Sony Alpha A7S w/ T FE 24-70mm f/4 ZA OSS	81	\$2,300	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬇️	
💰	Canon EOS M50 w/EF-M 15-45mm IS STM	80	\$600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	
	Panasonic Lumix DMC-GX85 w/ 12-32mm F3.5-5.6 ASPH. Mega OIS	79	\$600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	
	Canon EOS M5 w/ 18-150mm IS STM	79	\$1,000	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	
	Canon EOS M5 w/ M 15-45mm f/3.5-6.3 IS STM	78	\$800	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	
	Fujifilm X-E2S w/ XF 18-55mm	78	\$1,000	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️	
	Canon EOS M6 w/ 15-45mm IS STM	78	\$750	⬆️	⬆️	⬆️	⬇️	⬆️	NA	⬆️	⬆️	
	Canon EOS M100 w/ 15-45mm IS STM	78	\$490	⬆️	⬆️	⬆️	⬇️	⬆️	NA	⬆️	⬆️	
	Sony Alpha A6400 w/ E 18-135mm	78	\$1,300	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	
	Canon EOS M10 w/ EF-M 15-45mm f/3.5-6.3 IS STM	78	\$600	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	
	Fujifilm X-T30 w/ XC 15-45mm	77	\$1,000	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	
	Fujifilm X-E2S w/ XF 56mm F1.2 R APD	77	\$700	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	
	Leica CL w/ 18mm	76	\$3,000	—	—	⬆️	⬆️	⬆️	⬆️	NA	⬆️	
	Canon EOS M3 w/ EF-M 18-55mm f/3.5-5.6 IS STM	76	\$900	⬆️	⬆️	⬆️	⬇️	⬆️	NA	⬆️	⬆️	
	Panasonic Lumix DMC-GX850 w/ 12-32mm	75	\$460	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	
	Fujifilm X-A3 w/ XC 16-50mm f/3.5-5.6 OIS II	75	\$600	⬆️	⬆️	⬆️	⬇️	⬆️	NA	⬆️	⬆️	
	Canon EOS M6 w/ 18-150mm IS STM	75	\$900	⬆️	⬆️	⬆️	⬇️	⬆️	NA	⬇️	⬆️	
	Sony Alpha A5100 w/ 16-50mm OSS PZ	73	\$550	⬇️	⬆️	⬆️	⬆️	⬆️	NA	⬇️	⬆️	

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Predicted reliability	Owner satisfaction	Image quality	Ease of use	Video quality	LCD quality	Viewfinder	Flash photos	Image stabilization

MIRRORLESS *Continued*

	Olympus OM-D E-M10 Mark III w/ 14-42mm EZ	73	\$600	⊖	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Sony Alpha A6400 w/ E PZ 16-50mm	73	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Sony Alpha A6300 w/ E PZ 16-50mm F3.5-5.6 OSS	73	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Olympus OM-D E-M5 II w/ 14-150mm	72	\$1,000	⊖	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Olympus PEN System EPL9 w/ 14-42mm EZ	72	\$500	⊖	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
	Sony Alpha A6000 w/ 16-50mm	72	\$500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Olympus PEN System EPL10 w/ 14-42mm EZ	71	\$700	⊖	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
	Olympus OM-D E-M10 Mark II w/ 14-42mm f/3.5-5.6 EZ	70	\$600	⊖	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Olympus Pen System E-PL8 w/ 14-42mm 1:3.5-5.6 EZ	66	\$270	⊖	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
	Leica CL w/ 18-56mm	61	\$3,650	—	—	⊖	⬆	⬆	⬆	⬆	NA	⬆

SLRs

⌘	Nikon D7200 w/ 18-55mm	81	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⌘	Canon EOS 77D w/ 18-55mm IS STM	81	\$700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Canon EOS 6D Mark II w/ 24-105mm IS STM	80	\$1,800	⬆	⬆	⬆	⬆	⬆	⬆	NA	⬆	⬆
✓	Canon EOS 90D w/ 18-55mm IS STM	80	\$1,350	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Canon EOS 800D Rebel T7i w/ 18-55mm IS STM	79	\$820	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Canon EOS 200D Rebel SL2 w/ 18-55mm IS STM	79	\$700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Canon EOS 80D w/ 18-135mm IS USM	78	\$1,150	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Canon EOS 1300D Rebel T6 w/ EF-S 18-55mm f/3.5-5.6 IS II	77	\$400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Predicted reliability Owner satisfaction	Image quality	Ease of use	Video quality	LCD quality	Viewfinder	Flash photos	Image stabilization	

SLRs Continued

	Canon Rebel SL3 w/ 18-55mm	77	\$600	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Canon EOS 750D Rebel T6i w/ 18-55mm	77	\$900	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Canon EOS 750D Rebel T6i w/ 18-135mm IS STM	77	\$950	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Canon EOS 90D w/ 18-135mm IS USM NANO	77	\$1,600	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Canon EOS 77D w/ 18-135mm IS STM	76	\$950	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D 750 w/ AF-S 24-120mm f/4G ED VR	75	\$2,000	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D 3500 w/ 18-55 VR	75	\$400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D 5600 w/ AF-P DX 18-55mm VR	74	\$650	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Canon EOS 2000D Rebel T7 w/ 18-55mm	74	\$400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D 500 w/ AF-S DX 16-80mm f/2.8-4E ED VR	74	\$2,100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D810 w/ AF-S 24-120mm f/4G ED VR	74	\$4,100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D 3400 w/ AF-P DX 18-55mm 1:3.5-5.6G VR	73	\$400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D7500 w/ 16-80mm	72	\$1,500	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Pentax K-70 w/ smc DA 18-135mm F3.5-5.6 ED AL [IF] DC WR	71	\$800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D 780 w/ 24-120mm VR	71	\$2,800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D 5600 w/ 18-140mm VR	70	\$1,200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Sony Alpha SLT-A68 w/ 18-55mm	70	\$700	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Nikon D7500 w/ 18-140mm VR	69	\$1,200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	
	Sony SLT-A77 II w/ 16-50mm f/2.8	67	\$1,800	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	

	Brand & Model	Overall Score	Price	Survey Results	Test Results							
Recommended				Predicted reliability	Owner satisfaction	Image quality	Ease of use	Video quality	LCD quality	Flash photos	Image stabilization	Battery life (shots)
SUPERZOOM												
✓	Canon PowerShot SX730 HS	77	\$380	⬆	⬆	⬆	⬇	⬇	⬆	⬇	⬆	250
✓	Panasonic Lumix ZS80	77	\$400	⬆	⬆	⬇	⬆	⬇	⬇	⬇	⬆	380
💰	Canon PowerShot SX720 HS	75	\$300	⬆	⬆	⬆	⬇	⬇	⬆	⬇	⬆	250
✓	Nikon Coolpix P1000	74	\$1,000	⬇	⬇	⬆	⬆	⬇	⬆	⬇	⬇	250
✓	Nikon CoolPix P950	73	\$800	⬇	⬇	⬇	⬆	⬇	⬆	⬇	⬇	Not stated
✓	Nikon Coolpix P900	72	\$600	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆	360
💰	Canon PowerShot SX540 HS	71	\$260	⬆	⬆	⬆	⬇	⬇	⬆	⬇	⬇	205
✓	Nikon Coolpix B600	71	\$300	⬇	⬇	⬇	⬆	⬇	⬆	⬇	02	280
✓	Sony Cyber-shot HX400V	70	\$450	⬆	⬇	⬇	⬇	⬆	⬆	⬇	⬇	300
✓	Canon PowerShot SX530 HS	70	\$300	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇	210
✓	Sony Cyber-shot WX500	70	\$350	⬆	⬇	⬇	⬇	⬇	⬇	⬇	⬇	400
	Nikon Coolpix B500	69	\$260	⬇	⬇	⬇	⬆	⬇	⬆	⬇	⬇	600
	Sony Cyber-shot HX80	68	\$370	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬇	390
	Canon PowerShot SX620 HS	68	\$250	⬆	⬆	⬇	⬇	⬇	⬆	⬇	02	295
	Canon PowerShot SX420 IS	67	\$300	⬆	⬆	⬇	⬇	⬇	⬇	⬇	⬆	195
	Nikon Coolpix A900	64	\$400	⬇	⬇	⬇	⬇	⬇	⬆	⬇	⬇	270
	Kodak AZ401	59	\$135	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬆	280
	Sony Cyber-shot H300	48	\$200	⬆	⬇	⬇	⬇	⬇	⬇	⬇	⬇	350

	Brand & Model	Overall Score	Price	Survey Results	Test Results					
Recommended				Predicted reliability Owner satisfaction	Image quality Ease of use Video quality LCD quality Flash photos Image stabilization					

WATERPROOF AND RUGGED

✓	Nikon CoolPix W300	69	\$390	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Olympus TG-6	68	\$380	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Fujifilm Finepix XP140	64	\$200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Ricoh WG-6	61	\$265	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Panasonic Lumix DMC-TS30	60	\$130	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Fujifilm Finepix XP130	57	\$110	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Ricoh WG-70	56	\$280	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Ricoh WG-60	56	\$225	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Panasonic Lumix DC-TS7	55	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Nikon CoolPix W100	40	\$160	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first four years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the digital camera they bought. In cases where we have insufficient

survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. **Image quality** combines several tests, including regular photos, low-light photos, and flash photos as well as color tests, among others. **Ease of use** is our evaluation of the camera's controls, manual, response time, and focusing. **Video quality** mostly reflects footage shot in regular

and low light, with audio quality and macro (close-up) capability also considered. **LCD quality** is a judgment of images viewed under various lighting conditions. **Flash photos** tests the quality of the built-in flash's light output and evenness of illumination. **Image stabilization** is our evaluation of the camera's ability to compensate for handheld camera shake. **Price** is approximate retail.

Fitness Trackers

Fitness trackers range from simple to sophisticated, with prices to match. Here's how to find the right one to fit your budget, fitness, lifestyle, and fashion sense.



What to Look For

- Most trackers are designed to be worn on the wrist. Look for a greater variety of materials, shapes, and colors.
- Preview the tracker's companion app to make sure it fits your needs.
- Battery life can stretch from one day to up to a year depending on the sophistication of the device. Most are rechargeable, but some run on the coin cell batteries often used in cameras and calculators.
- Standalone GPS, so you

won't have to take your phone with you when you head out for a run or walk.

- If you like to swim, it should be waterproof.
- Double-check that the device works with your smartphone or computer.

What to Skip

- Most models over \$200. At that price, you might as well buy a smartwatch.

What You'll Pay

- Expect to pay \$25 for a basic model and \$200 for a fully featured model.

BUYING ADVICE

If you simply want to know how many steps you're taking each day, you can save money by buying a simpler device.

For more buying advice, go to [CR.org/fitness-trackers](https://www.consumerreports.org/fitness-trackers)

Tested products in performance order.

	Brand & Model	Overall Score	Price	Test Results									
Recommended				Ease of use	Ease of interaction	Ease of pairing	Heart-rate monitor accuracy	Step count accuracy	Water resistance	Readability in bright light	Readability in low light	Versatility	
BUILT-IN DATA READOUT													
\$	Garmin Forerunner 35	84	\$100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Fitbit Charge 3	76	\$100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Test Results								
Recommended				Ease of use	Ease of interaction	Ease of pairing	Heart-rate monitor accuracy	Step count accuracy	Water resistance	Readability in bright light	Readability in low light	Versatility

BUILT-IN DATA READOUT *Continued*

\$	Samsung Galaxy Fit	76	\$100	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
\$	Fitbit Inspire HR	73	\$70	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆
✓	Garmin Vivosmart 4	73	\$100	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Withings Pulse HR	71	\$100	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆
\$	Garmin Vivofit 4	71	\$70	⬆	⬆	⬆	NA	⬆	⬆	⬆	⬇	⬇
	Fitbit Inspire	69	\$50	⬆	⬆	⬆	NA	⬆	⬆	⬆	⬆	⬇
	Letscom ID115 Plus HR	56	\$26	⬆	⬆	⬇	⬇	⬇	⬆	⬇	⬇	⬇
	Garmin Vivofit jr. 2	56	\$70	⬆	⬆	⬆	NA	⬇	⬆	⬆	⬇	⬇
	Samsung Galaxy Fit e	43	\$50	⬆	⬆	⬇	⬇	⬇	⬆	⬇	⬆	⬇
	Withings Move	37	\$70	⬇	⬇	⬇	NA	⬇	⬆	⬆	⬇	⬇
	Fitbit Ace 2	35	\$50	⬆	⬇	⬆	NA	⬇	⬆	⬇	⬆	⬇

HOW WE TEST: Overall Score is based on the performance of the product in all of our tests.

Ease of use is composite score of ergonomics, ease of interaction, syncing, pairing, and readability of the display in bright light and low light.

Ease of interaction is the ease of accessing core functions; performing key tasks such as accessing messages, calendars, alarms, etc.; interacting with the device menu and app interface; taking activity measurements; reading activity results from

the display; and responsiveness of touch screen or other control-interaction methods. **Ease of pairing** is an assessment of the steps necessary for pairing the tracker with another device for the first time. **Heart-rate monitor accuracy** measures how accurately the fitness tracker measured our testers' actual heart rate. **Step-count accuracy** measures how accurately the fitness tracker counted our testers' actual steps. **Water resistance** measures how resistant the

watch is to submersion in water as tested by subjecting the device to a water pressure equivalent to the depth the manufacturer claims the fitness tracker can withstand. **Readability in bright light** such as on a sunny day.

Versatility indicates features that increase a fitness tracker's utilities or capabilities. These include the number of sensors it has, if time can be displayed on the tracker, GPS tracking and other useful features. **Price** is approximate.

Headphones

Headphones come in all sizes and types, from tiny earbuds to big, over-the-ear DJ-style models. They're indispensable for listening to music on the go or for watching videos on a tablet, laptop, or smartphone.



What to Look For

- Clear, accurate sound and sufficient volume.
- A comfortable fit.
- An isolating design that physically blocks sound or headphones with active noise-canceling technology if you don't want to be disturbed by outside noise.
- Wireless headphones if you don't want cords tangling or flapping.
- A model that doubles as a headset if you want the ability to answer or place

calls without taking your phone out of your pocket or backpack.

What to Skip

- Paying a high price just to get a big-brand name.

What You'll Pay

You can find decent earbuds for as little as \$20. Decent over-ear and on-ear models start around \$50 but can cost \$100 or more. Expect to pay more for wireless connectivity and active noise-cancellation.

BUYING ADVICE

If you want the best sound, especially for serious music listening, we recommend one of the top-rated corded models in our ratings.

For more buying advice, go to [CR.org/headphones](https://www.consumerreports.org/headphones).

Tested products in performance order.

	Brand & Model	Overall Score	Price	Test Results				
Recommended				Sound quality	Noise reduction	Sensitivity	Type	Design
PORTABLE NOISE-CANCELING HEADPHONES								
✓	Bose QuietComfort 20	74	\$250	⬆	⬆	Medium high/Medium	Earbud	Isolating
WIRELESS PORTABLE NOISE-CANCELING HEADPHONES								
✓	Sony WF-1000XM3	87	\$180	⬆	⬆	NA	Ear-insert	Isolating
✓	Master & Dynamic MW07 PLUS	76	\$300	⬆	⬆	NA	Ear-insert	Isolating

	Brand & Model	Overall Score	Price	Test Results				
Recommended				Sound quality	Noise reduction	Sensitivity	Type	Design

WIRELESS PORTABLE NOISE-CANCELING HEADPHONES *Continued*

✓	Apple AirPods Pro	75	\$250	⬆️	⬆️	NA	Ear-insert	Isolating
\$	JBL Everest Elite 150NC	74	\$200	⬆️	⬆️	NA	Ear-insert	Isolating
\$	Audio-Technica ATH-ANC100BT	68	\$100	⬆️	⬆️	Medium high/Medium high	Ear-insert	Isolating
	Amazon Echo Buds	65	\$130	⬆️	⬆️	NA	Ear-insert	Isolating
	Plantronics BackBeat GO 410	65	\$100	⬆️	⬆️	Medium high	Earbud	Isolating

WIRELESS HOME/STUDIO STYLE NOISE-CANCELING HEADPHONES

✓	Bose QuietComfort 35 Series II	87	\$280	⬆️	⬆️	Medium/Medium	Over-ear	Closed
✓	Bose Noise Cancelling Headphones 700	87	\$340	⬆️	⬆️	Low/Medium	Over-ear	Closed
✓	Sony WH-1000XM3	75	\$280	⬆️	⬆️	High/High/Medium high	Over-ear	Closed
\$	beats by dre Beats Studio3 Wireless	73	\$350	⬆️	⬆️	Medium	Over-ear	Closed
\$	JBL LIVE 650BTNC	73	\$200	⬆️	⬆️	Medium/Medium	Over-ear	Closed
\$	Monoprice BT-300ANC	72	\$40	⬆️	⬆️	Medium high/Medium	Over-ear	Closed
✓	Beats by Dr. Dre Solo Pro	70	\$300	⬆️	⬆️	NA	On-ear	Closed
✓	Beyerdynamic Lagoon ANC Traveler	69	\$290	⬆️	⬆️	Low/Low	Over-ear	Closed
✓	Jabra Elite 85h	69	\$250	⬆️	⬆️	Medium high/Medium high	Over-ear	Closed
	Bowers & Wilkins PX7	66	\$400	ⓘ	⬆️	Low/Low	Over-ear	Closed
	JAM Out There	44	\$60	⬇️	⬆️	High/High	On-ear	Closed
	Audio-Technica ATH-ANC500BT	42	\$100	⬇️	⬆️	High/High	Over-ear	Closed

	Brand & Model	Overall Score	Price	Test Results			
Recommended				Sound quality	Sensitivity	Type	Design

PORTABLE STEREO HEADPHONES

\$	1MORE E1001 Triple Driver	86	\$70	⬆	Medium	Ear-insert	Isolating
✓	1MORE Quad Driver	86	\$140	⬆	Medium high	Ear-insert	Isolating
✓	Audeze iSine 10	86	\$350	⬆	High	Ear-insert	Non-isolating
\$	Scosche SportFlex 3	76	\$15	⬆	Very high	Ear-insert	Isolating
\$	Phiaton MS 100 BA	71	\$60	⬆	High	Ear-insert	Isolating
✓	Sennheiser Momentum In-Ear	71	\$100	⬆	High	Ear-insert	Isolating
\$	Shure SE112	71	\$50	⬆	Very high	Ear-insert	Isolating
✓	Westone AM PRO 20	71	\$295	⬆	Very high	Ear-insert	Non-isolating
\$	Panasonic RP-TCM125	66	\$15	⬆	Medium high	Ear-insert	Isolating
	Panasonic RP-HJE120	60	\$10	⬇	Medium high	Earbud	Isolating
	Phiaton MS 300 BA	60	\$60	⬇	High	Ear-insert	Isolating
	Shure SE215	60	\$80	⬇	High	Ear-insert	Isolating
	UrbanEars Sumpfan	60	\$30	⬇	Medium high	Earbud	Non-isolating
	Apple EarPods	56	\$30	⬇	Medium high	Earbud	Non-isolating
	JLab Audio Fit 2.0 Sport Earbuds	51	\$30	⬇	High	Ear-insert	Isolating
	UrbanEars Reimers	46	\$45	⬇	Medium high	Earbud	Non-isolating
	JLab Audio JBuds Pro	41	\$10	⬇	Medium	Ear-insert	Isolating
	Westone am Pro10	40	\$190	⬇	High	Ear-insert	Non-isolating

WIRELESS PORTABLE STEREO HEADPHONES

✓	Samsung Galaxy Buds	86	\$120	⬆	NA	Ear-insert	Isolating
✓	Bang & Olufsen Beoplay E6	80	\$300	⬆	NA	Ear-insert	Isolating
\$	Anker SoundCore Liberty Air	76	\$75	⬆	NA	Ear-insert	Isolating
\$	Bose SoundSport Wireless	76	\$100	⬆	NA	Earbud	Isolating
\$	Jabra Elite Active 65t	76	\$120	⬆	NA	Ear-insert	Isolating

	Brand & Model	Overall Score	Price	Test Results			
Recommended				Sound quality	Sensitivity	Type	Design

WIRELESS PORTABLE STEREO HEADPHONES *Continued*

✓	JBL UA True Wireless Flash	76	\$130	⬆	NA	Ear-insert	Isolating
✓	JLab Audio Epic Air	76	\$150	⬆	NA	Ear-insert	Isolating
\$	JLab Audio JBuds Air	76	\$50	⬆	NA	Ear-insert	Isolating
\$	SOL Republic Shadow Wireless	76	\$30	⬆	NA	Ear-insert	Isolating
\$	1MORE Triple Driver BT	71	\$75	⬆	NA	Ear-insert	Isolating
✓	Anker SoundCore Liberty 2 Pro	71	\$150	⬆	NA	Ear-insert	Isolating
✓	Audio-Technica Sonic Sport ATH-Sport7TW	71	\$200	⬆	NA	Ear-insert	Isolating
✓	Bose SoundSport Free Wireless	71	\$200	⬆	NA	Earbud	Isolating
\$	Jabra Elite 25e	71	\$80	⬆	NA	Ear-insert	Isolating
✓	Jabra Elite Sport	71	\$220	⬆	NA	Ear-insert	Isolating
✓	Jaybird Vista	71	\$160	⬆	NA	Ear-insert	Isolating
✓	Jaybird X4	71	\$130	⬆	NA	Earbud	Isolating
\$	MEE audio X10	71	\$80	⬆	NA	Ear-insert	Isolating
\$	Monoprice True Wireless Earphones IPX4	71	\$30	⬆	NA	Ear-insert	Isolating
✓	Sennheiser CX Sport	71	\$100	⬆	NA	Ear-insert	Isolating
\$	1MORE Stylish True Wireless	66	\$100	⬆	NA	Ear-insert	Isolating
\$	beats by dre BeatsX	66	\$100	⬆	NA	Ear-insert	Isolating
\$	House of Marley Smile Jamaica BT	66	\$25	⬆	NA	Ear-insert	Isolating
\$	JBL Endurance DIVE	66	\$90	⬆	NA	Ear-insert	Isolating
\$	JBL Endurance SPRINT	66	\$50	⬆	NA	Ear-insert	Isolating
\$	JBL Reflect Mini 2	66	\$100	⬆	NA	Ear-insert	Isolating
\$	JVC HA-FX9BT Gummy Wireless	66	\$20	⬆	NA	Ear-insert	Isolating
✓	Plantronics BackBeat PRO 5100	66	\$135	⬆	NA	Ear-insert	Isolating
\$	Skullcandy Indy	66	\$40	⬆	NA	Ear-insert	Isolating

	Brand & Model	Overall Score	Price	Test Results			
Recommended				Sound quality	Sensitivity	Type	Design

WIRELESS PORTABLE STEREO HEADPHONES *Continued*

💰	Skullcandy Push Truly Wireless Earbuds	66	\$50	⬆️	NA	Ear-insert	Isolating
💰	Skullcandy Sesh	66	\$30	⬆️	NA	Ear-insert	Isolating
✓	V-Moda Forza Metallo Wireless	66	\$170	⬆️	NA	Ear-insert	Isolating
	Sennheiser MOMENTUM True Wireless	61	\$200	⬆️	NA	Ear-insert	Isolating
	Apple Powerbeats Pro	60	\$200	⬇️	NA	Ear-insert	Isolating
	Audio-Technica ATH-Sport 50BT	60	\$80	⬇️	NA	Ear-insert	Isolating
	JLab Audio JBuds Air Executive	60	\$70	⬇️	NA	Ear-insert	Isolating
	JLab Audio JBuds Air Sport	60	\$70	⬇️	NA	Ear-insert	Isolating
	MEE audio M9B (2019 VERSION)	60	\$35	⬇️	NA	Ear-insert	Isolating
	Apple AirPods (2nd Gen) with Wireless Charging Case	56	\$170	⬇️	NA	Earbud	Non-isolating
	Sony WI-SP500	56	\$55	⬇️	NA	Earbud	Non-isolating
	Audio-Technica Sound Reality ATH-CKR35BT	51	\$60	⬇️	NA	Ear-insert	Isolating
	Jabra Elite 45e	46	\$100	⬇️	NA	Earbud	Non-isolating
	Klipsch T5 True Wireless	46	\$160	⬇️	NA	Ear-insert	Isolating
	Klipsch T5 Sport	46	\$100	⬇️	NA	Ear-insert	Isolating
	Skullcandy Jib Wireless	46	\$15	⬇️	NA	Ear-insert	Isolating
	House of Marley Uprise	41	\$80	⬇️	NA	Ear-insert	Isolating
	JVC Marshmallow Wireless HA-FX39BT	41	\$120	⬇️	NA	Ear-insert	Isolating
	Plantronics Backbeat FIT 2100	41	\$50	⬇️	NA	Earbud	Non-isolating
	Audio-Technica ATH-CKS5TW	40	\$155	⬇️	NA	Ear-insert	Isolating
	JAM Live Large	40	\$35	⬇️	NA	Ear-insert	Isolating

	Brand & Model	Overall Score	Price	Test Results			
Recommended				Sound quality	Sensitivity	Type	Design

WIRELESS PORTABLE STEREO HEADPHONES *Continued*

	JLab Audio Rewind Wireless Retro	40	\$20	⬇	NA	On-ear	Open air
	AfterShokz Aeropex	31	\$160	⬇	NA	Bone conduction	Open

WIRELESS HOME/STUDIO STYLE STEREO HEADPHONES

✓	Grado GW100	76	\$250	⬆	Medium high	On-ear	Open air
✓	Bose SoundLink around-ear headphones II	71	\$160	⬆	Medium high	Over-ear	Closed
\$	Jabra Move Style Edition	71	\$90	⬆	Medium	On-ear	Closed
✓	V-Moda Crossfade 2 Wireless	71	\$280	⬆	Medium high	Over-ear	Closed
✓	Audio-Technica ATH-SR5BT	66	\$150	⬆	Medium	On-ear	Closed
✓	beats by dre Solo3 Wireless	66	\$200	⬆	High	On-ear	Closed
\$	JBL LIVE 500BT	66	\$80	⬆	Medium high	Over-ear	Closed
\$	Sennheiser HD 4.40BT	66	\$80	⬆	Medium high	Over-ear	Closed
\$	Skullcandy Hesh 3 Wireless	66	\$100	⬆	Low	Over-ear	Closed
	JBL E55BT	60	\$90	⬇	Medium high	Over-ear	Closed
	Marshall Major III BT	60	\$100	⬇	Low	On-ear	Closed
	Phiaton BT460	60	\$180	⬇	Medium high	Over-ear	Closed
	Skullcandy Crusher Wireless	51	\$150	⬇	Low	Over-ear	Closed
	Audio-Technica SonicFuel ATH-AR3BT	46	\$150	⬇	High	On-ear	Closed
	Plantronics Backbeat FIT 505	46	\$60	⬇	Low	On-ear	Closed
	UrbanEars Plattan ADV Wireless	41	\$80	⬇	Medium	On-ear	Closed
	AmazonBasics Over-Ear-Bluetooth-Wireless-Headset	40	\$45	⬇	Medium high	Over-ear	Closed
	JLab Audio Flex Sport	40	\$100	⬇	NA	Over-ear	Closed
	Sony MDR-XB650BT	40	\$90	⬇	NA	On-ear	Closed

	Brand & Model	Overall Score	Price	Test Results			
Recommended				Sound quality	Sensitivity	Type	Design

HOME/STUDIO STYLE STEREO HEADPHONES

✓	Grado Prestige SR325e	91	\$295	⬆	Medium high	Over-ear	Open air
✓	Grado Prestige SR225e	88	\$200	⬆	Medium high	Over-ear	Open air
\$	Grado Prestige SR80e	86	\$100	⬆	Medium high	On-ear	Open air
✓	Shure SRH1440	81	\$300	⬆	Low	Over-ear	Open air
✓	Grado Prestige SR125e	80	\$150	⬆	Medium high	On-ear	Open air
\$	Grado Prestige SR60e	76	\$80	⬆	Medium high	On-ear	Open air
✓	Sony MDR-1AM2	76	\$300	⬆	High	Over-ear	Closed
✓	Audio-Technica ATH-M50x	71	\$150	⬆	Medium	Over-ear	Closed
	Monoprice Premium Hi-Fi DJ Style	60	\$20	ⓘ	High	Over-ear	Closed
	Skullcandy Riff	56	\$20	ⓘ	Medium high	On-ear	Closed
	beats by dre Beats EP	41	\$95	ⓘ	High	On-ear	Closed
	Monoprice Hi-Fi Lightweight On-Ear headphone 13191	40	\$15	⬇	High	On-ear	Closed
	UrbanEars Plattan 2	40	\$50	⬇	Medium high	On-ear	Closed

HOW WE TEST: Overall Score is based on the performance of the product in all of our tests.

Sound quality represents the tonal accuracy, clarity, detail, ambience, and dynamics of the audio reproduced by the headphones. **Sensitivity** assesses how loudly

wire-connected headphones will play for a given audio input signal level; for wireless models, we judge sensitivity using the optional wired connection. Some have two sensitivity levels given; one with the highest selectable setting or noise reduction

switch ON and the other with the lowest selectable setting or noise-reduction switch OFF. (Not applicable for wireless headphones that lack a cord connection option.) An isolating design blocks some outside noise. **Price** is approximate retail.

QUICK GUIDE

Printers, All-in-One

All-in-ones are by far the most popular type of printer on the market. The reason? They let you not only print but also copy, scan, and, for some models, fax.



What to Look For

- Low ink replacement costs (ink cost per year).
- An all-in-one color inkjet if you want color printing and a versatile model that excels at printing your photos, scans and other functions.
- A black-and-white laser all-in-one for high reliability, excellent text quality, fast print speed, and a low cost per page—provided you don't need to print in color.

What to Skip

- An inkjet with a single cartridge for color inks, because separate color cartridges may be more economical, depending on what you print.
- High replacement ink costs. You can compare using our ink costs for year spec.

What You'll Pay

Laser models start at about \$100. Inkjet all-in-ones cost \$35 and up. If you print frequently, the ink cost can be even more significant.

BUYING ADVICE

Today, most printers come with built-in WiFi that enables you to print photos and documents from computers and mobile devices on a home network.

For more buying advice, go to CR.org/printers.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results					Features	
Recommended				Predicted reliability							
				Owner satisfaction							
				Text quality							
				Text speed							
				Graphics quality							
				Photo quality							
				Maintenance ink use							
				Scan quality							
				Text speed (ppm)							
				Ink cost/year (\$)							

ALL-IN-ONE BLACK AND WHITE LASER PRINTERS

✓	Brother MFC-L5700DW	81	\$340	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	23.1	29
✓	Brother DCP-L5500DN	81	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	23.1	29
✓	Brother HL-L2395DW	80	\$170	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	18.8	71

	Brand & Model	Overall Score	Price	Survey Results	Test Results						Features		
Recommended				Predicted reliability									
				Owner satisfaction									
				Text quality									
				Text speed									
				Graphics quality									
				Photo quality									
				Maintenance ink use									
				Scan quality									
				Text speed (ppm)									
				Ink cost/year (\$)									

ALL-IN-ONE BLACK AND WHITE LASER PRINTERS *Continued*

✓	Brother MFC-L2750DW	80	\$250	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	14.3	32
✓	Canon imageCLASS MF267dw	80	\$250	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	20	40
\$	Canon imageCLASS MF269dw	80	\$170	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	27.3	40
✓	Canon imageCLASS MF264dw	79	\$200	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	20	52
✓	Brother MFC-L2720DW	79	\$230	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	18.8	30
\$	Brother MFC-L2710DW	79	\$170	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	16.7	44
✓	Canon imageCLASS D1620	78	\$350	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	13	48
\$	Brother MFC-L2685DW	76	\$140	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	15.8	59
\$	Canon imageCLASS MF232w	76	\$100	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	15.8	43
✓	Brother DCP-L2550DW	75	\$130	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	17.6	68
✓	HP LaserJet Pro MFP M31w	75	\$130	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	15	72
	Canon imageCLASS MF236n	74	\$170	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	17.6	40
	Lexmark MB2236adw	74	\$230	—	—	⬆	⬆	⬇	NA	⬆	⬆	20	59
	HP LaserJet Pro M28W	73	\$120	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	14.3	79
	HP LaserJet Pro M29W	73	\$140	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	14.3	79
	HP LaserJet Pro M227fdw	73	\$270	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	18.8	54
	HP LaserJet Pro MFP M148fdw	73	\$200	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	20	66
	HP LaserJet Pro MFP M428fdw	72	\$320	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	23.1	50
	HP LaserJet Pro MFP M130fw	70	\$200	⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	11.5	66
	Samsung Xpress M2070FW	69	\$190	⬇	⬇	⬆	⬆	⬇	NA	⬆	⬆	13.6	60

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Text quality Text speed Graphics quality Photo quality Maintenance ink use Scan quality	Text speed (ppm) Ink cost/year (\$)

ALL-IN-ONE COLOR LASER PRINTERS

✓	Brother MFC-L8900CDW	71	\$550	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	15.8 126
✓	Canon imageCLASS MF642Cdw	69	\$350	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	13.6 124
💰	Canon Color imageCLASS MF644Cdw	69	\$320	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	13.6 124
✓	Brother MFC-L3750CDW	69	\$330	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	10.7 121
✓	HP Color LaserJet Pro MFP M281fdw	68	\$430	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	14.3 95
✓	Brother MFC-L3710CW	68	\$330	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	10.7 121
✓	HP Color Laser MFP 178nw	67	\$200	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	12 173
✓	Canon Color imageCLASS MF743Cdw	66	\$530	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	15.8 136
✓	Canon imageCLASS MF733Cdw	66	\$530	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	18.8 206
	HP Color LaserJet Pro M283fdw	65	\$450	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	13.6 142
	HP Color LaserJet Pro MFP M180nw	63	\$240	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	10.7 110

ALL-IN-ONE INKJET PRINTERS

💰	Brother MFC-J895DW	69	\$130	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	10.7 101
💰	Canon Pixma G4210	67	\$280	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	8.3 6
💰	Brother MFC-J775DW XL	65	\$250	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	9.1 27
💰	Canon Pixma Megatank G7020	65	\$300	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	8.1 5
✓	Canon Pixma G6020	64	\$270	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	9.7 5
✓	Canon Pixma MG3620	63	\$80	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	8.8 108
💰	Canon Pixma G3200	63	\$200	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	8.3 5
✓	Brother MFC-J491DW	62	\$95	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	10.7 78

	Brand & Model	Overall Score	Price	Survey Results	Test Results						Features	
Recommended				Predicted reliability Owner satisfaction	Text quality	Text speed	Graphics quality	Photo quality	Maintenance ink use	Scan quality	Text speed (ppm)	Ink cost/year (\$)

ALL-IN-ONE INKJET PRINTERS *Continued*

✓	Brother MFC-J497DW	62	\$80	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	10.7	78
✓	HP OfficeJet 250 Mobile	61	\$380	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	10	97
✓	HP Envy 4520	61	\$110	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	9.1	171
✓	HP Envy Photo 7855 AIO	61	\$230	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	9.4	187
	Canon PIXMA TS5120	60	\$100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	9.4	93
	HP Envy Photo 7155	60	\$180	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	9.4	118
	Epson Ecotank ET-M3170 (black-and-white printer)	60	\$350	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	18.8	2
	Epson Ecotank ET-M2170 (black-and-white printer)	60	\$330	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	18.8	2
	HP Envy Photo 6255	59	\$80	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	8.6	155
	Canon PIXMA TR4520	59	\$100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	8.1	122
	Canon PIXMA TR7520	59	\$150	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	11.5	155
	Canon PIXMA TS6120	59	\$145	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	10.7	154
	HP DeskJet 2652	58	\$45	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	8.6	141
	Epson Expression ET-3600	57	\$395	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	11.5	6
	Canon Pixma MG2522	56	\$35	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	7	144
	HP Smart Tank Plus 551	56	\$350	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	9.7	1
	Canon PIXMA TS9520	55	\$235	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	11.1	168
	HP OfficeJet Pro 6968	55	\$150	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	10.7	138
	HP OfficeJet Pro 8710	55	\$200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	16.7	99
	HP OfficeJet 5255	55	\$140	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	9.1	149
	Epson Ecotank ET-2720	55	\$200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	8.8	7
	Canon PIXMA TR8520	55	\$100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	13	117

	Brand & Model	Overall Score	Price	Survey Results	Test Results						Features	
Recommended				Predicted reliability Owner satisfaction	Text quality	Text speed	Graphics quality	Photo quality	Maintenance ink use	Scan quality	Text speed (ppm)	Ink cost/year (\$)

ALL-IN-ONE INKJET PRINTERS *Continued*

	HP ENVY 5055	54	\$130	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	10.3	135
	HP OfficeJet Pro 6978 AiO	54	\$180	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	14.3	119
	Brother MFC-J5830DW	54	\$300	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	18.8	59
	Canon Maxify MB2120	54	\$140	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	15.8	129
	Canon Maxify MB2720	54	\$100	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	20	128
	Canon PIXMA TS9120	54	\$170	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	11.1	194
	Canon PIXMA TS8220	54	\$90	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	12.5	186
	Epson EcoTank ET-3710	54	\$300	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	12.5	2
	Epson EcoTank ET-3760	54	\$400	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	12.5	2
	HP DeskJet 3755	54	\$90	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	8.3	153
	Canon Maxify MB5420	54	\$305	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	20	112
	Canon Maxify MB5120	54	\$235	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	20	112
	Brother MFC-J5330DW	54	\$200	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	17.6	60
	Epson Workforce ET-3750	53	\$405	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	12.5	6
	Epson EcoTank ET-4750	53	\$500	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	12.5	5
	Epson EcoTank ET-4700	53	\$240	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	9.4	1
	Epson Expression Photo XP-8600	53	\$255	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	8.1	171
	Brother MFC-J6545DW	52	\$280	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	18.8	59
	Epson EcoTank ET-2760	52	\$250	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	9.7	2
	Epson WorkForce Pro WF-3730	52	\$110	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	15	116
	Epson Expression ET-2550	52	\$280	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	8.3	7
	HP OfficeJet Pro 7740	52	\$280	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	⬆️ ⬆️	16.7	98

	Brand & Model	Overall Score	Price	Survey Results	Test Results						Features		
Recommended				Predicted reliability									
				Owner satisfaction									
				Text quality									
				Text speed									
				Graphics quality									
				Photo quality									
				Maintenance ink use									
				Scan quality									
				Text speed (ppm)									
				Ink cost/year (\$)									

ALL-IN-ONE INKJET PRINTERS *Continued*

	Brother MFC-J5845DW	52	\$250	⬇	⬇	⬇	⬆	⬇	⬇	⬇	⬆	18.8	62
	Epson WorkForce WF-7720	51	\$200	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆	11.5	60
	HP OfficeJet Pro 8025	51	\$170	⬇	⬇	⬇	⬆	⬇	⬇	⬇	⬆	17.6	213
	Brother MFC-J995DW INKvestment Tank Color Inkjet	51	\$200	⬇	⬇	⬇	⬆	⬇	⬇	⬇	⬆	11.1	56
	Epson WorkForce Pro WF-4740	51	\$200	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆	12.5	83
	Epson Expression ET-2750	50	\$295	⬇	⬆	⬇	⬆	⬇	⬇	NA	⬆	8.8	5
	HP OfficeJet Pro 9025	50	\$330	⬇	⬇	⬆	⬆	⬇	⬇	⬇	⬆	17.6	145
	Epson Expression ET-2700	50	\$255	⬇	⬆	⬇	⬆	⬇	⬇	NA	⬆	8.8	5
	HP OfficeJet Pro 9015	50	\$230	⬇	⬇	⬇	⬆	⬇	⬇	⬇	⬆	17.6	146
	Epson WorkForce WF-7710	50	\$180	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆	14.3	61

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first four years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the printer they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (–), we assume the model

has average reliability and satisfaction. **Photo quality** reflects a photo's appearance. **Text quality** assesses clarity and crispness of black text. **Text speed** reflects how quickly the model can print text on five plain, letter-sized pages. Thirty seconds or less is excellent; 31 to 60 seconds is very good; 61 to 90 seconds is good; 91 to 120 seconds is fair; and longer than 120 seconds is poor. **Graphics quality** assesses the appearance of color graphics produced by the printer. Black-and-white lasers were judged on black-and-white graphics.

Maintenance ink use reflects the amount of extra ink used by an inkjet printer to maintain its print heads. **Scan quality** is for color photos, graphics, and text scanned at each model's default settings. **Text speed (ppm)** is our measure of how fast the printer can print pages of monochrome text. **Ink cost/year (\$)** is the estimated cost (in dollars) for ink or toner in a year of typical use, based on our tests and how members told us they print. **Price** is approximate retail.

QUICK GUIDE

Printers, Regular

If you don't need to scan, copy, or fax—or you own other machines to do those tasks—a regular printer may be the most cost-efficient option for you. Models start at around \$100.



What to Look For

- A laser printer if you want a reliable printer and fast, low-cost, top-quality black-and-white text.
- A color inkjet if you want the most versatile printer. You can print color photos and graphics as well as text.
- A black-and-white laser if you want reliability and to maximize long-term savings.

What to Skip

- Regular color laser printers aren't always a good choice.

They're costlier than their monochrome counterparts and unsuited for photos.

- Regular inkjet printers, which get unfavorable ratings for reliability and owner satisfaction.

What You'll Pay

Color inkjets can cost as little as \$45 and up to \$350, and monochrome laser printers can cost less than \$100, and upwards of \$500. If you print frequently, a model's ink cost is even more significant.

BUYING ADVICE

A low price tag may not be what it seems. Ink costs can often rack up hundreds of dollars more as the years go by.

For more buying advice, go to CR.org/printers.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Text quality Text speed Graphics quality Photo quality Maintenance ink use	Text speed (ppm) Ink cost/year (\$)

BLACK AND WHITE LASER PRINTERS

✓	HP LaserJet Pro M501dn	81	\$550	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️	NA ⬆️	23.1	19
💰	Brother HL-L2370DW	81	\$130	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️	NA ⬆️	17.6	60
💰	Brother HL-L2350DW	81	\$120	⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️	NA ⬆️	16.7	48

⬇️ ⬆️ 1 ⬆️ ⬆️
POOR ————— EXCELLENT

✓
RECOMMENDED

💰
CR BEST BUY

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Text quality Text speed Graphics quality Photo quality Maintenance ink use	Text speed (ppm) Ink cost/year (\$)

BLACK AND WHITE LASER PRINTERS *Continued*

\$	Lexmark B2338dw	80	\$120	—	—	⬆	⬆	⬆	NA	⬆	21.4	58
✓	Brother HL-L6300DW	80	\$350	⬆	⬆	⬆	⬆	⬆	NA	⬆	25	28
✓	Brother HL-L5200DW	79	\$205	⬆	⬆	⬆	⬆	⬆	NA	⬆	23.1	29
✓	Brother HL-L6250DW	78	\$285	⬆	⬆	⬆	⬆	⬆	NA	⬆	25	19
\$	Brother HL-L6200DW	78	\$180	⬆	⬆	⬆	⬆	⬆	NA	⬆	25	19
\$	Brother HL-L2340DW	77	\$120	⬆	⬆	⬆	⬆	⬆	NA	⬆	15	55
\$	Brother HL-L5100DN	77	\$150	⬆	⬆	⬆	⬆	⬆	NA	⬆	23.1	29
✓	HP LaserJet Pro M404dw	76	\$250	⬆	⬆	⬆	⬆	⬆	NA	⬆	25	47
✓	HP LaserJet Pro M203dw	75	\$200	⬆	⬆	⬆	⬆	⬆	NA	⬆	16.7	37
✓	HP LaserJet Pro M404n	74	\$170	⬆	⬆	⬆	⬆	⬆	NA	⬆	23.1	43
\$	Samsung Xpress M2020W	73	\$105	⬆	⬆	⬆	⬆	⬆	NA	⬆	14.3	56
✓	HP LaserJet Pro M404dn	73	\$250	⬆	⬆	⬆	⬆	⬆	NA	⬆	21.4	47
\$	HP LaserJet Pro M118dw	73	\$130	⬆	⬆	⬆	⬆	⬆	NA	⬆	18.8	42
✓	Canon imageCLASS LBP162dw	73	\$200	⬆	⬆	⬆	⬆	⬆	NA	⬆	21.4	60
✓	HP LaserJet Pro M15w	72	\$110	⬆	⬆	⬆	⬆	⬆	NA	⬆	14.3	67
✓	Canon imageCLASS LBP113w	71	\$170	⬆	⬆	⬆	⬆	⬆	NA	⬆	15.8	52
	HP LaserJet Pro M102w	69	\$120	⬆	⬆	⬆	⬆	⬆	NA	⬆	15.8	49

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Text quality Text speed Graphics quality Photo quality Maintenance ink use	Text speed (ppm) Ink cost/year (\$)

COLOR LASER PRINTERS

\$	HP Color LaserJet Pro M452nw	69	\$240	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	15	104
\$	Brother HL-L3230CDW	67	\$245	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10.3	119
\$	HP Color LaserJet Pro M254dw	67	\$255	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12	116
✓	Brother HL-L8360CDW	64	\$345	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	16.7	122
✓	HP Color LaserJet Pro M454dn	64	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	15	128
\$	Canon Color imageCLASS LBP622Cdw	63	\$185	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	3.5	130
✓	Brother HL-L3270CDW	62	\$250	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12.5	186
✓	Brother HL-L8260CDW	62	\$285	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	15	134
	Lexmark C2325dw	60	\$270	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.1	121
	Brother HL-L3210CW	59	\$200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10.7	127
	Canon imageCLASS LBP612Cdw	58	\$280	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2.8	110

INKJET PRINTERS

\$	Canon Pixma iP110	61	\$150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	8.3	146
	Canon Pixma TS702	59	\$100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12.5	110
	HP OfficeJet 200 Mobile	57	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10	122
	Canon Pixma MegaTank G5020	57	\$210	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10.7	5
	Canon Pixma iX6820	56	\$185	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12	145
	Epson EcoTank ET-M1170 (black-and-white printer)	55	\$230	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12.5	2

	Brand & Model	Overall Score	Price	Survey Results	Test Results	Features
Recommended				Predicted reliability Owner satisfaction	Text quality Text speed Graphics quality Photo quality Maintenance ink use	Text speed (ppm) Ink cost/year (\$)

INKJET PRINTERS *Continued*

	Canon Pixma iP8720	54	\$255	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	11.5 203
	Canon Pixma TS302	53	\$70	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	8.3 130
	HP OfficeJet Pro 6230	53	\$125	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	11.1 127
	Epson WorkForce WF-7210	50	\$200	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	12.5 63
	Canon Maxify iB4120	50	\$140	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	20 113
	HP Tango	49	\$150	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	4.5 139
	Epson Workforce Pro WF-C5210	49	\$160	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	12.5 84
	Canon Pixma TS202	49	\$50	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	8.3 125
	Epson Expression Photo HD- XP-15000	46	\$350	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	5.7 226
	Epson Workforce WF-110	45	\$230	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	5.3 114
	HP OfficeJet Pro 8210	44	\$150	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	15.8 97

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first four years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the printer they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray

dash (–), we assume the model has average reliability and satisfaction. **Photo quality** reflects a photo's appearance. **Text quality** assesses clarity and crispness of black text. **Text speed** reflects how quickly the model can print text on five plain, letter-sized pages. Thirty seconds or less is excellent; 31 to 60 seconds is very good; 61 to 90 seconds is good; 91 to 120 seconds is fair; and longer than 120 seconds is poor. **Graphics quality** assesses the appearance of color graphics pro-

duced by the printer, or black-and-white graphics for black-and-white lasers. **Maintenance ink use** reflects the amount of extra ink used by an inkjet printer to maintain its print heads. **Text speed (ppm)** is our measure of how fast the printer can print pages of monochrome text. **Ink cost/year (\$)** is the estimated cost (in dollars) for ink or toner in a year of typical use, based on our tests and how members told us they print. **Price** is approximate retail.

QUICK GUIDE

Smartphones

Smartphones are do-it-all companions for texting, email, and social networking, along with playing music, shooting photos and video, and directing us with GPS. Today, consumers have more good options than ever.



What to Look For

- The phone's operating system. Both Apple's iOS and Google's Android are good. For most people, it comes down to personal preference.
- A display large enough for viewing web pages, maps, and videos but not so big that it makes the phone difficult to handle comfortably.

What to Skip

- Phone insurance and extended warranties, which,

generally speaking, are not worth it when you weigh cost, high deductibles, and low chance of using them.

What You'll Pay

The two-year contract price with subsidy is largely a thing of the past. You can either pay full retail up front (often \$800 or more for premium phones) or make installment payments over time, generally about \$15-\$40 per month for two years.

BUYING ADVICE

Make sure you can read the phone's display in bright sunlight, especially for texting and web surfing.

For more buying advice, go to CR.org/smartphones.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results										Test Results			
				Predicted reliability	Owner satisfaction	Camera: Rear image quality	Camera: Rear 1080p video quality	Camera: Selfie image quality	Battery and charging	Display	Durability	Ease of use	Water resistance test				
Recommended																	
✓	Apple iPhone 11 Pro Max	85	\$1,100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass			
✓	Samsung Galaxy S20	85	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass			
✓	Samsung Galaxy S10+	84	\$850	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass			
✓	OnePlus 8 Pro	84	\$700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass			

	Brand & Model	Overall Score	Price	Survey Results	Test Results								
Recommended				Predicted reliability	Owner satisfaction	Camera: Rear image quality	Camera: Rear 1080p video quality	Camera: Selfie image quality	Battery and charging	Display	Durability	Ease of use	Water resistance test
✓	Samsung Galaxy S20 Ultra	83	\$1,400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	Samsung Galaxy S10	83	\$750	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	OnePlus 8	83	\$700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	Samsung Galaxy S20+	83	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	Samsung Galaxy Note10+	82	\$950	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	Samsung Galaxy Note10+ 5G	82	\$1,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	Samsung Galaxy Note10	82	\$750	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
💰	Samsung Galaxy S10e	81	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	Samsung Galaxy Note9	81	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
💰	Apple iPhone XR	80	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	Apple iPhone 11 Pro	80	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	OnePlus 7Pro	79	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
💰	OnePlus 7T	79	\$500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	Google Pixel 4 XL	73	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
💰	Google Pixel 3a XL	73	\$480	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
💰	Samsung Galaxy A50	73	\$350	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	LG G8 ThinQ	73	\$550	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
💰	Google Pixel 3a	72	\$400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	Samsung Galaxy Fold	72	\$1,980	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	LG V50 ThinQ 5G	72	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass
✓	LG V60 ThinQ 5G	71	\$950	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Pass

	Brand & Model	Overall Score	Price	Survey Results		Test Results							
Recommended				Predicted reliability	Owner satisfaction	Camera: Rear image quality	Camera: Rear 1080p video quality	Camera: Selfie image quality	Battery and charging	Display	Durability	Ease of use	Water resistance test
💰	Motorola One Zoom	71	\$350	⬆️	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	NA
✓	Apple iPhone 11	70	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	Pass
💰	LG V40 ThinQ	70	\$400	⬇️	⬇️	⬆️	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️	Pass
💰	LG V35 ThinQ	69	\$280	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	Pass
✓	Google Pixel 4	68	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	⬆️	Pass
💰	Apple iPhone SE 2020	68	\$400	⬆️	⬆️	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	Pass
✓	LG G8X ThinQ with Dual Screen	68	\$700	⬇️	⬇️	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	NA
	Nokia 9 PureView	67	\$500	⬆️	⬇️	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	Pass
	Motorola Moto Z4	67	\$400	⬆️	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	NA

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first two years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the smartphone they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. **Battery** represents tests under nominal cell-network signals, including battery

consumption performing tasks that involve voice, data, display, and other factors. **Charging** represents battery tests of time to charge from empty, fast charging for 15 minutes, wireless charging capability, and if the phone comes with a fast charger, wireless charger and replaceable battery. All phones are set the same brightness level for the entire test. **Camera: rear image quality** tests still-image quality using the rear facing (main) camera. It is based on objective and subjective judgments of test images, which includes evaluating resolution, dynamic range, color accuracy, and visual noise. **Camera: rear 1080p video quality** is based on the judgments of trained panelists who viewed recorded

video images shot at the highest quality setting available (1080p max.) in multiple lighting conditions. **Camera: selfie-image quality** tests still-image quality using the front facing (selfie) camera. (See Camera: Rear Image Quality for complete description.) **Display** rates the overall quality of the display, including its color, clarity, off-angle viewing, and touch-responsiveness. **Ease of use** includes subjective and objective ratings of the convenience of using the menu, web browser, camera, testing, buttons, and unlocking the phone via a finger and facial recognition. **Price** is the lowest approximate retail cost for the smallest capacity available when purchased without a contract or an agreement.

⬇️ ⬇️ ⬇️ ⬆️ ⬆️
POOR — EXCELLENT

✓ 💰
RECOMMENDED CR BEST BUY

Smart Speakers

Sure, smart speakers can play music or tell you a joke, but increasingly these versatile devices are functioning as the hub of a connected home because they can control other smart products.



What to Look For

■ An ecosystem that's compatible with smart home devices that you own or plan to buy in the future, from a simple smart light-bulb to an entire connected kitchen suite.

■ Versatility and ease of use are key because a smart speaker's requests are handled by cloud-based servers, so there's little difference in basic performance between the cheapest and most expensive models.

■ Sound quality should be a deciding factor because most consumers use their smart speakers to listen to music.

■ A screen can be handy, but even models with these visual aids are designed to be voice-controlled.

What to Skip

■ Expensive models without exceptional sound.

What You'll Pay

■ Prices range from less than \$50 to as much as \$400.

BUYING ADVICE

For better sound quality, try using Bluetooth to pair a budget smart speaker with a non-smart wireless speaker that sounds great.

For more buying advice, go to [CR.org/smart-speakers](https://www.consumerreports.org/smart-speakers).

Tested products in performance order.

	Brand & Model	Overall Score	Price	Test Results			Features	
				Sound quality	Versatility	Ease of use	Adjustable tone settings	Optional multi-room sharing
✓	Google Home Max	76	\$300	⬆	⬆	⬆	●	●
💰	Amazon Echo Show (2nd Generation)	69	\$230	⬇	⬆	⬆	●	●
💰	Amazon Echo Studio	68	\$200	⬆	⬆	⬆	●	●
✓	Sonos Move	68	\$400	⬆	⬆	⬆	●	●
✓	Bose Home Speaker 500	65	\$300	⬆	⬆	⬆	●	●
✓	Bose Home Speaker 300	65	\$200	⬆	⬆	⬆	●	●

	Brand & Model	Overall Score	Price	Test Results			Features	
Recommended				Sound quality	Versatility	Ease of use	Adjustable tone settings	Optional multi-room sharing
✓	Bose Portable Home	65	\$350	⬆	⬆	⬆	●	●
💰	Sonos One (Gen 2)	64	\$200	⬆	⬇	⬆	●	●
✓	Klipsch The Three	63	\$500	⬇	⬇	⬆		●
✓	Google Nest Hub Max	63	\$230	⬇	⬆	⬆	●	●
✓	Sony SRS-XB501G	62	\$200	⬇	⬆	⬆	●	●
✓	JBL Link 500	62	\$400	⬇	⬇	⬆		●
💰	JBL Link 300	62	\$100	⬇	⬇	⬆		●
💰	Amazon Echo Plus (2nd Generation)	62	\$230	⬇	⬆	⬆	●	●
✓	JBL Link View	61	\$230	⬇	⬇	⬆		●
✓	Riva Concert	61	\$200	⬇	⬆	⬆	●	
✓	Marshall Stanmore II Voice	60	\$350	⬇	⬇	⬆	●	●
✓	Harman Kardon Citation 100	60	\$200	⬇	⬇	⬆		●
✓	JBL Link 20	59	\$200	⬇	⬇	⬆		●
✓	Cavalier Audio The Maverick	59	\$250	⬇	⬇	⬆	●	●
✓	Apple HomePod	59	\$300	⬆	⬇	⬆	●	●
✓	iHome AVS16	58	\$150	⬇	⬇	⬆	●	
✓	Ultimate Ears MEGABLAST	57	\$250	⬇	⬇	⬇	●	
✓	Phorus PS10	56	\$60	⬇	⬇	⬆		●
✓	Amazon Echo (2nd Generation)	55	\$100	⬇	⬆	⬆		●
	Google Home	53	\$100	⬇	⬆	⬆	●	●
	Amazon Echo Dot (3rd Generation)	53	\$50	⬇	⬆	⬆	●	●
	Facebook Portal+	53	\$280	⬇	⬇	⬆		

HOW WE TEST: Overall Score is based on the results of all our tests. **Sound quality** measures a speaker's ability to reproduce music in a

real-world environment. **Ease of use** measures how difficult it was to set up a speaker and how intuitively it functioned in everyday use. **Versatility** tallies

the useful features of each model. **Price** is most frequent or approximate price in retail.

Smartwatches

Smartwatches are great for keeping tabs on everything from your daily step count to sports scores and your local weather. Here's how to find the right smartwatch for you.



What to Look For

- Some models focus on sports and fitness, while others focus on having more varied types of apps.
- Make sure to pick a model that's compatible with your smartphone. Some models work with a variety of phones, but Apple Watches only work with iPhones, and Samsung smartwatches work best with that company's phones.

What to Skip

- If you're into fitness, go with a sports-focused smartwatch. Some dressier models have limited fitness features.

What You'll Pay

Expect to pay about \$200 for a basic model and up to \$650 for a fully featured one.

BUYING ADVICE

Not every model is water-resistant. Make sure yours is before jumping in the pool.

For more buying advice, go to [CR.org/smartwatches](https://www.consumerreports.org/smartwatches).

Tested products in performance order.

	Brand & Model	Overall Score	Price	Test Results								
Recommended				Ease of interaction	Ease of pairing	Readability in bright light	Readability in low light	Step count accuracy	Scratch test	Water resistance test	Heart-rate monitor accuracy	Versatility
✓	Apple Watch Series 5 (40mm) Stainless Steel case GPS + Cellular	86	\$745	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Apple Watch Series 5 (40mm) Aluminum case GPS	84	\$395	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Samsung Galaxy Watch Active2 (40mm) LTE	81	\$430	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Test Results								
Recommended				Ease of interaction	Ease of pairing	Readability in bright light	Readability in low light	Step count accuracy	Scratch test	Water resistance test	Heart-rate monitor accuracy	Versatility
\$	Apple Watch Series 3 (38mm) Aluminum case GPS + Cellular	80	\$300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Samsung Galaxy Watch Active2 (40mm)	78	\$245	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Fitbit Versa 2	78	\$200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Garmin Venu	77	\$350	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Samsung Galaxy Watch (42mm)	77	\$380	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Fitbit Ionic	76	\$230	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung Galaxy Watch Active	73	\$185	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Fossil Venture HR Gen 4	72	\$150	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Garmin Vivoactive 3	72	\$150	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Garmin fenix 5 Plus (47mm)	71	\$540	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Michael Kors Access Women's Sofie HR	70	\$200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Garmin fenix 5X Sapphire	70	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Garmin Forerunner 645 Music	69	\$310	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Garmin fenix 5	68	\$460	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Fitbit Versa	67	\$160	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Kate Spade Scallop 2	66	\$325	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Fitbit Versa Lite	65	\$100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

HOW WE TEST: Overall Score is based on the results of all our tests. **Ease of use** is a composite score of ease of interaction, pairing, connecting to charger, mobile compatibility, and readability of the display in bright light and low light. **Ease of interaction** is the ease of accessing core functions, performing key tasks, such

as accessing messages, calendars, alarms, etc.; interacting with the device menu and app interface; taking activity measurements; reading results from the display; and responsiveness of touchscreen or other control interaction methods. **Ease of pairing** is an assessment of the steps necessary for pairing the smartwatch

with another device for the first time. **Heart-rate monitor accuracy** measures how accurately the smart watch measured our testers' actual heart rate. **Step count accuracy** measures how accurately the smart-watch counted our testers' actual steps. **Price** is approximate retail.

Streaming Media

Binge-watching TV shows has become an all-American pastime. Streaming devices are an ideal solution for those who don't have a smart TV, or who want better performance or services not available on their TV.



What to Look For

■ **4K With HDR.** All the major streaming player brands now offer at least one 4K model that supports high dynamic range (HDR) content.

■ **Models with voice control.** More players now have remote controls with built-in microphones that let you search for shows and movies simply by saying its name. And many will now search across multiple streaming video services.

■ **Dual-Band WiFi.** Newer models now support the 802.11ac standard, which has the potential to deliver stronger, faster signals, but only if your wireless router also supports it.

What You'll Pay

Basic 1080p models now cost \$30 to \$40; expect to pay \$40 to \$80 or more for 4K models that support HDR.

BUYING ADVICE

We prefer devices with universal search, which can search across multiple services to find shows, without favoring one service over another.

For more buying advice, go to CR.org/streaming-media.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Test Results				
Recommended				Picture quality	Features	Everyday use	Connectivity	First time setup

HD STREAMING MEDIA DEVICES

✓	Google Chromecast (3rd generation)	76	\$35	⬆	⬆	⬆	⬇	⬆
✓	Amazon Fire TV Stick with Alexa Voice Remote	74	\$40	⬆	⬆	⬆	⬇	⬆
✓	Roku Streaming Stick (2017)	72	\$40	⬆	⬆	⬆	⬇	⬇

	Brand & Model	Overall Score	Price	Test Results				
Recommended				Picture quality	Features	Everyday use	Connectivity	First time setup

HD STREAMING MEDIA DEVICES *Continued*

\$	Roku Express (2017)	69	\$30	⬆️	⬆️	⬆️	⬇️	⬆️
\$	Roku Express (2019)	69	\$30	⬆️	⬆️	⬆️	⬇️	⬆️

4K STREAMING MEDIA DEVICES

✓	Amazon Fire TV Cube (2nd Gen)	83	\$120	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Amazon Fire TV Cube	83	\$120	⬆️	⬆️	⬆️	⬇️	⬆️
\$	Roku Ultra (2018)	83	\$80	⬆️	⬆️	⬆️	⬆️	⬇️
✓	Roku Ultra (2019)	83	\$100	⬆️	⬆️	⬆️	⬆️	⬇️
✓	NVIDIA SHIELD TV	82	\$130	⬆️	⬆️	⬆️	⬆️	⬇️
\$	Amazon Fire TV Stick 4K	81	\$50	⬆️	⬆️	⬆️	⬇️	⬆️
\$	Google Chromecast Ultra	80	\$70	⬆️	⬆️	⬆️	⬇️	⬆️
\$	Roku Streaming Stick+ Headphone Edition	78	\$60	⬆️	⬆️	⬆️	⬇️	⬇️
✓	Apple TV 4K (32GB)	77	\$180	⬆️	⬆️	⬆️	⬇️	⬇️
\$	Roku Streaming Stick +	77	\$50	⬆️	⬆️	⬆️	⬇️	⬆️
\$	Roku Premiere+ (2018)	76	\$50	⬆️	⬆️	⬆️	⬇️	⬇️
\$	TiVo Stream 4K	75	\$50	⬆️	⬆️	⬆️	⬇️	⬇️
\$	Roku Premiere (2018)	72	\$40	⬆️	⬆️	⬆️	⬇️	⬆️

HOW WE TEST: Overall Score is based on the results of all our tests. **Picture quality** includes image clarity, color accuracy, and contrast of streaming video. **Features**

reflects the presence or absence of features, including how many streaming services it can access. **Everyday use** reflects how easy the device is to use on a daily basis.

Connectivity reflects the type and amount of connections.

First-time setup reflects how easy it is to set up the device.

Price is approximate retail.

Tablets

Lightweight and highly portable, tablets are made to be carried wherever you go. Most have 7- to 10-inch screens, but larger models are available as well.



What to Look For

- A 10-inch screen for web surfing, video, and gaming; a 7-inch screen for portability; or an 11- or 12-inch screen and detachable keyboard for work (but watch the weight!).
- Excellent performance if you want to play more than simple games.
- The same operating system as your other devices if you want to sync across hardware.
- A rich variety of apps authorized by the OS maker.

What to Skip

- A 4G model, unless you need “everywhere access” and will pay extra for it.

What You'll Pay

At least \$250 for a good 10-inch Android tablet with 32 gigabytes of storage and WiFi-only access. An equivalent iPad costs \$330. Some smaller Android tablets that we rate Very Good start at less than \$200.

BUYING ADVICE

Look for a compatible keyboard if you're planning to do a lot of typing.

For more buying advice, go to CR.org/tablets.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results					
Recommended				Predicted reliability Owner satisfaction	Performance	Display	Convenience	Specific tasks	Photo and video	Versatility
9-INCH SCREEN AND LARGER TABLETS										
✓	Apple iPad Pro 11 (4G, 64GB, 2018)	88	\$950	⬆️⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Apple iPad Pro 12.9 (64GB, 2018)	87	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Apple iPad Pro 11 (64GB, 2018)	87	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Apple iPad Pro 11 (4G, 128GB, 2020)	86	\$950	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

	Brand & Model	Overall Score	Price	Survey Results	Test Results					
Recommended				Predicted reliability Owner satisfaction	Performance	Display	Convenience	Specific tasks	Photo and video	Versatility

9-INCH SCREEN AND LARGER TABLETS *Continued*

✓	Apple iPad Pro 12.9 (128GB, 2020)	86	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Apple iPad Pro 12.9 (4G, 128GB, 2020)	86	\$1,150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Apple iPad Pro 12.9 (4G, 64GB, 2018)	86	\$1,150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Apple iPad Pro 11 (128GB, 2020)	85	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Samsung Galaxy Tab S4 SM-T830 , (64GB)	84	\$500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Samsung Galaxy Tab S3 SM-T820 (32GB)	83	\$480	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Apple iPad (4G, 32GB, 2019)	82	\$460	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Apple iPad Air (64GB, 2019)	81	\$500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
💰	Apple iPad (32GB, 2019)	80	\$330	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Samsung Galaxy Tab S6 Lite (128 GB, WiFi)	80	\$430	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Samsung Galaxy Tab S6 (128GB, WiFi)	80	\$650	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Samsung Galaxy Tab S5e (64GB)	80	\$400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Samsung Galaxy Tab A (4G, 2019)	76	\$280	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
💰	Samsung Galaxy Tab A (2019)	76	\$230	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
💰	Samsung Galaxy Tab A 10.1 SM-T580 (16GB)	75	\$150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Google Pixel Slate (Core i5, 128GB)	74	\$600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Lenovo Tab P10	73	\$300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Amazon Fire HD 10 (2019)	72	\$150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Amazon Fire HD 10 (32GB)	70	\$150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Lenovo Yoga Smart Tab with Google Assistant (64GB)	69	\$350	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Lenovo Tab M10 (32GB)	68	\$150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

	Brand & Model	Overall Score	Price	Survey Results	Test Results					
Recommended				Predicted reliability Owner satisfaction	Performance	Display	Convenience	Specific tasks	Photo and video	Versatility

8-INCH SCREEN AND SMALLER TABLETS

✓	Apple iPad Mini (64GB, 2019)	82	\$400	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Samsung Galaxy Tab A 8.0 (2019) Wi-Fi	77	\$160	⬆️ ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Amazon Fire 7 (16GB, 2019)	67	\$50	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Amazon Fire HD 8 (16GB, 2018)	66	\$80	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Lenovo Tab M7	61	\$80	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
	Amazon Fire Kids Edition (16GB)	60	\$100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first three years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the tablet they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray

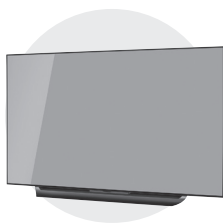
dash (–), we assume the model has average reliability and satisfaction. **Performance** rates the speed of actions and visual smoothness when running apps with complex graphics. **Display quality** of the screen, including color, viewing angle, brightness and outdoor readability. **Convenience** rates the ease of using the buttons, key-board, and touchscreen, or interacting with apps. **Specific tasks** is based on the ease of performing a variety of scenarios, including reading books, playing media, and using email and the Web, as

well as the quality of produced photos and videos. **Photo and video quality** of the photos taken from the front and rear cameras, and videos taken from the rear (main) camera. Based on evaluations of items such as color accuracy, visual noise, and video sound quality, as viewed on and off the tablet. Features such as autofocus, flash, and available resolution are also taken into account. **Versatility** is the presence of useful features, such as ports, and quality of the build. **Price** is approximate retail.

QUICK GUIDE

TVs

Most larger-sized sets are now 4K TVs with high dynamic range (HDR) capability. Most are also smart TVs with access to streaming online content.



What to Look For

- A 4K set with decent HDR, which can display greater contrast and a wider range of colors.
- A larger-sized set as your main TV, since 65-inch models are now much more affordable.
- A 1080p TV only if you're looking for a smaller screen size, since you won't save much money over a 4K TV.

What to Skip

- An 8K set, since they're still pricey and there's

no native 8K content.

- Costly HDMI cables. Regular High-Speed cables are fine except for runs longer than 8 to 10 feet, even for 4K. And an extended warranty, since TVs from major brands have been very reliable.

What You'll Pay

As little as \$250 for a 55-inch 4K set; 65-inch 4K models now start around \$450. But top-performing larger-sized TVs still cost \$2,000 and up.

BUYING ADVICE

Ask whether the retailer offers a 30-day price-match guarantee, which protects you if the price drops after you buy.

For more buying advice, go to CR.org/tvs.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Survey Results	Test Results									
Recommended				Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Motion blur	Sound quality	Versatility	Data privacy	Data security
60-INCH AND LARGER TVs														
✓	Sony XBR-65A9G	86	\$3,300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	Sony XBR-65A8G	86	\$2,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
✓	LG OLED65C9PUA	85	\$2,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

	Brand & Model	Overall Score	Price	Survey Results	Test Results								
Recommended				Predicted reliability									
				Owner satisfaction									
				HD picture quality									
				UHD picture quality									
				HDR									
				Viewing angle									
				Motion blur									
				Sound quality									
				Versatility									
				Data privacy									
			Data security										

60-INCH AND LARGER TVs *Continued*

✓	LG OLED65E9PUA	84	\$2,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Sony XBR-65Z9F	82	\$1,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Sony XBR-65X900F	79	\$1,500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	LG 75SM9070PUA	78	\$1,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⬆	LG 65SM9000PUA	76	\$1,100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	LG 65SM9500PUA	75	\$1,995	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⬆	LG 65SM8600AUA	74	\$750	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⬆	Samsung UN65RU8000	73	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⬆	LG 65SM8600PUA	73	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⬆	Samsung QN65Q60R	72	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Sony XBR-75X800G	72	\$1,330	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	TCL 75Q825	71	\$2,500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⬆	Samsung UN65RU7300	71	\$700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⬆	Samsung UN65NU6900	70	\$500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	TCL 65Q825	70	\$1,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Samsung UN75RU710D	70	\$850	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
⬆	LG 70UM6970PUA	70	\$650	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Sony XBR-65X800G	68	\$900	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	TCL 65R625	67	\$750	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Vizio P759-G1	67	\$1,650	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results																	
Recommended				Predicted reliability		HD picture quality		UHD picture quality		HDR		Viewing angle		Motion blur		Sound quality		Versatility		Data privacy		Data security
				Owner satisfaction																		

60-INCH AND LARGER TVs *Continued*

	TCL 75R617	67	\$1,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung UN75TU7000	66	\$850	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	LG 70UM7370PUA	66	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Vizio P659-G1	66	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Sony XBR-65X800H	64	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Vizio M658-G1	62	\$650	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	TCL 65S525	61	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung UN65TU8000	61	\$700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	LG 65UM6900PUA	61	\$480	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Vizio V655-G9	60	\$470	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	LG 75UN7370PUE	60	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	LG 60UM6900PUA	59	\$450	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	TCL 75S425	59	\$750	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	LG 65UN7300PUF	57	\$650	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Hisense 65R6E1	56	\$430	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Philips 65PFL5604	52	\$450	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

55- TO 59-INCH TVs

✓	Sony XBR-55A9G	87	\$2,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	LG OLED55B9PUA	84	\$1,400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	LG OLED55C9AUA	83	\$1,450	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results									
Recommended				Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Motion blur	Sound quality	Versatility	Data privacy	Data security

55- TO 59-INCH TVs *Continued*

✓	LG OLED55C9PUA	83	\$1,500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Samsung UN55RU800D	73	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	Samsung QN55LS01T	71	\$1,500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
✓	LG 55SM8600PUA	71	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Samsung UN55RU7300	71	\$500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
\$	Samsung UN55RU7100	70	\$400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung UN55NU6900	68	\$380	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Samsung UN55TU7000	66	\$400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	LG 55UM6910PUC	64	\$350	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Sony XBR-55X800H	64	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	TCL 55R625	64	\$550	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Vizio M558-G1	63	\$550	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	LG 55UN7300PUF	62	\$470	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	TCL 55S525	60	\$400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Vizio M557-G0	60	\$450	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Toshiba 55LF711U20	58	\$450	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Philips 55PFL5604	57	\$320	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Vizio V555-G1	57	\$340	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
	Insignia NS-55D420NA20	57	\$330	⬆	⬆	⬆	NA	NA	⬆	⬆	⬆	⬆	NA	NA
	Vizio V556-G1	57	\$550	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results									
Recommended				Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Motion blur	Sound quality	Versatility	Data privacy	Data security

55- TO 59-INCH TVs *Continued*

	Philips 55PFL5703	53	\$500	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆
	Hitachi 55R80	50	\$320	⬆	⬇	⬆	⬆	⬇	⬆	⬆	⬇	⬆	⬇	⬆
	Westinghouse WR55UX4019	43	\$250	⬆	⬇	⬇	⬆	⬇	⬆	⬆	⬇	⬆	⬇	⬆

46- TO 52-INCH TVs

✓	Sony XBR-49X950H	73	\$1,000	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆
✓	Samsung QN49Q6DR	73	\$700	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆
✓	Samsung QN50Q60T	69	\$650	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
💰	Samsung UN50NU6900	68	\$330	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆
💰	LG 50UM7300PUA	68	\$380	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆
	Samsung UN50TU8000	66	\$400	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Insignia NS-50D510NA19	63	\$250	⬆	⬆	⬆	NA	NA	⬆	⬆	⬆	⬇	NA	NA
	LG 49UM6900PUA	61	\$300	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Toshiba 50LF711U20	60	\$380	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆
	Sony XBR-49X800H	60	\$650	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬇	⬆	⬆	⬆
	TCL 50S525	58	\$350	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬇	⬆
	TCL 50S421	58	\$250	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬇	⬆
	TCL 50S423	58	\$250	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬇	⬆
	Philips 50PFL5604	58	\$270	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆
	Hisense 50R7E	58	\$250	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆
	Insignia NS- 50DF710NA19	56	\$350	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬆	⬆	⬆
	Hitachi 50C61	34	\$230	⬆	⬇	⬇	⬇	NA	⬇	⬆	⬇	⬇	NA	NA

	Brand & Model	Overall Score	Price	Survey Results	Test Results									
Recommended				Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Motion blur	Sound quality	Versatility	Data privacy	Data security
39- TO 43-INCH TVs														
✓	Samsung QN43Q60T	66	\$530	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬇	⬆	⬇	⬆
💰	Samsung UN40N5200	64	\$230	⬆	⬆	⬆	NA	⬇	⬇	⬇	⬇	⬆	⬇	⬆
✓	Samsung QN43Q6DR	63	\$700	⬆	⬆	⬆	⬆	⬇	⬆	⬇	⬇	⬆	⬇	⬆
	Samsung UN43NU6900	62	\$270	⬆	⬆	⬆	⬆	⬇	⬆	⬇	⬇	⬆	⬇	⬆
	Sony XBR-43X800H	62	\$600	⬆	⬆	⬆	⬆	⬇	⬆	⬇	⬇	⬆	⬇	⬆
	Insignia NS-43D420NA20	60	\$160	⬆	⬇	⬆	NA	NA	⬆	⬇	⬇	⬇	NA	NA
	LG 43UM6910PUA	59	\$250	⬆	⬆	⬆	⬆	⬇	⬆	⬇	⬇	⬆	⬇	⬆
	LG 43UN7300PUF	59	\$330	⬆	⬆	⬇	⬆	⬇	⬆	⬇	⬇	⬆	⬇	⬆
	Vizio V405-G9	58	\$240	⬇	⬇	⬆	⬆	⬇	⬇	⬇	⬇	⬆	⬇	⬆
	TCL 43S525	58	\$300	⬇	⬆	⬆	⬆	⬇	⬇	⬇	⬇	⬆	⬇	⬇
	Vizio V436-G1	58	\$280	⬇	⬇	⬆	⬆	⬇	⬇	⬇	⬇	⬆	⬇	⬆
	Vizio D40F-G9	57	\$200	⬇	⬇	⬆	NA	NA	⬇	⬇	⬇	⬆	⬇	⬆
	TCL 43S421	56	\$220	⬇	⬆	⬆	⬆	⬇	⬇	⬇	⬇	⬆	⬇	⬇
	Hisense 43H4030F	56	\$195	⬆	⬇	⬇	NA	NA	⬆	⬇	⬇	⬆	⬇	⬇
	Toshiba 43LF621U19	55	\$300	⬇	⬇	⬆	⬆	⬇	⬇	⬇	⬇	⬆	⬇	⬆
	TCL 43S425	55	\$230	⬇	⬆	⬆	⬆	⬇	⬇	⬇	⬇	⬆	⬇	⬇
	Insignia NS-39D310NA19	54	\$130	⬆	⬇	⬇	NA	NA	⬇	⬇	⬇	⬇	NA	NA
	RCA RTR4360	53	\$220	⬆	⬇	⬆	NA	NA	⬇	⬇	⬇	⬆	⬇	⬇
	Element ELST4316S	53	\$190	⬇	⬇	⬆	NA	NA	⬆	⬇	⬇	⬇	⬇	⬆

	Brand & Model	Overall Score	Price	Survey Results	Test Results																	
Recommended				Predicted reliability		HD picture quality		UHD picture quality		HDR		Viewing angle		Motion blur		Sound quality		Versatility		Data privacy		Data security
				Owner satisfaction																		

39- TO 43-INCH TVs *Continued*

	Philips 43PFL5703	53	\$200	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️	⬇️	⬇️	⬇️	⬇️	⬇️
	RCA RTU4300	47	\$200	⬆️	⬇️	⬇️	⬇️	NA	⬆️	⬇️	⬇️	⬇️	NA	NA

32-INCH TVs

✓	Samsung QN32Q50R	66	\$500	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
✓	Samsung UN32M4500	62	\$150	⬆️	⬆️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
✓	Samsung UN32N5300	62	\$240	⬆️	⬆️	⬆️	NA	⬇️	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️
	Toshiba 32LF221U19	59	\$140	⬇️	⬇️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
	Insignia NS-32DF310NA19	58	\$130	⬆️	⬇️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
	Hisense 32H5590F	58	\$120	⬆️	⬇️	⬆️	NA	NA	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️
	Sanyo FW32R19F	57	\$140	⬆️	⬇️	⬇️	NA	NA	⬆️	⬇️	⬇️	⬆️	⬇️	⬇️
	Vizio D32F-G1	56	\$180	⬇️	⬇️	⬆️	NA	NA	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️
	LG 32LM570BPUA	56	\$170	⬆️	⬆️	⬆️	NA	⬇️	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️
	LG 32LM620BPUA	55	\$160	⬆️	⬆️	⬆️	NA	⬇️	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️
	Hisense 32H4F	55	\$130	⬆️	⬇️	⬇️	NA	NA	⬆️	⬇️	⬇️	⬆️	⬇️	⬇️
	Insignia NS-32D220NA20	54	\$100	⬆️	⬇️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬇️	NA	NA
	Vizio D32h-G9	53	\$160	⬇️	⬇️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
	Toshiba 32L310U20	52	\$100	⬇️	⬇️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬇️	NA	NA
	TCL 32S327	51	\$150	⬇️	⬆️	⬇️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬇️

	Brand & Model	Overall Score	Price	Survey Results	Test Results									
Recommended				Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Motion blur	Sound quality	Versatility	Data privacy	Data security

32-INCH TVs *Continued*

	Hisense 32H4030F	51	\$115	⬆️	⬇️	⬇️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬇️
	Philips 32PFL4664	50	\$130	⬆️	⬇️	⬇️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬇️

29-INCH AND SMALLER TVs

💰	LG 28LM400B-PU	60	\$110	⬆️	⬆️	⬆️	NA	NA	⬆️	⬇️	⬇️	⬇️	NA	NA
💰	Insignia NS-24D310NA19	59	\$85	⬆️	⬇️	⬆️	NA	NA	⬆️	⬇️	⬇️	⬇️	NA	NA
✓	LG 24LM520S-WU	58	\$120	⬆️	⬆️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
✓	LG 24LF454B	57	\$120	⬆️	⬆️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
	Vizio D24f-G1	53	\$140	⬇️	⬇️	⬆️	NA	NA	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️
	Vizio D24h-G9	52	\$120	⬇️	⬇️	⬆️	NA	NA	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️

HOW WE TEST: Overall Score combines test results and survey data. **Predicted reliability** is based on estimated repair rates for brands. **Owner satisfaction** is based on the proportion of members who are extremely likely to recommend the TV. **HD picture quality** assesses detail, color accuracy, and contrast using signals from special test patterns and videos, via an HDMI input, after the TV is adjusted using standard picture controls. **UHD picture quality** is evaluated similarly, using

non-HDR 4K UHD content. **HDR**—high dynamic range—indicates how effectively the TV can reproduce the enhanced quality of HDR content. Very effective HDR can also reproduce fine gradations of shadow detail from black to white, and display a wider range of colors. Ineffective HDR presents images that are no better than regular standard dynamic range (SDR) TVs. **Viewing angle** evaluates picture quality for clarity and color accuracy at various horizontal and vertical viewing angles. **Sound quality**

is measured from the set's built-in speakers with subjective listening and test gear. We listen for overall clarity of sound, depth of bass, volume levels and audible distortion. **Motion blur** evaluates how well the display can present a blur-free image during motion scenes. **Versatility** indicates features that increase a TV's utilities or capabilities. Scores for **Data privacy** and **Data security** are a measure of how the TV and its service providers collect, share, use, and protect your data. **Price** is approximate retail.

QUICK GUIDE

Wireless Speakers

Wireless speakers use Bluetooth and WiFi connectivity to let you stream your favorite tunes without a collection of separate components or a tangle of cables.



What to Look For

- A home model, which usually requires AC power and often connects via Bluetooth and/or your home network via a robust WiFi connection, can usually fill a decent-size room with sound without distorting.
- A portable mode with a rechargeable battery and Bluetooth pairing to your smartphone, is ideal for streaming music while you're on the go.
- A weatherproof portable model is great for outdoor use, and can travel from the

deck to the beach.

- Sound quality separates top speakers from lesser models; that's why our testers weigh it most heavily in our ratings.
- A USB port will let you charge a phone or tablet.

What to Skip

- Portable models with limited battery life that will restrict their use.

What You'll Pay

Prices range from less than \$100 to more than \$400.

BUYING ADVICE

If you buy online, check the return policy so that you can exchange it if you're not happy with the sound quality.

For more buying advice, go to CR.org/wireless-speakers.

Tested products in performance order.

	Brand & Model	Overall Score	Price	Test Results			Features		
Recommended				Sound quality	Ease of use	Versatility	Optional multi-room sharing	Adjustable tone settings	Updatable software/firmware
HOME									
✓	Edifier S1000DB	74	\$350	⬆	⬆	⬇	NA	●	
✓	Denon Heos 7 HS2	74	\$400	⬆	⬆	⬆	●	●	●
✓	Sonos Play:5 (2015)	73	\$500	⬆	⬇	⬆	●	●	●
💰	Edifier R2000DB	73	\$250	⬆	⬆	⬇		●	

	Brand & Model	Overall Score	Price	Test Results			Features		
Recommended				Sound quality	Ease of use	Versatility	Optional multi-room sharing	Adjustable tone settings	Updatable software/firmware

HOME Continued

✓	Devialet New Phantom	71	\$2,190	⬆	⬆	⬆	•		•
✓	Denon HEOS 5 HS2	69	\$300	⬆	⬇	⬆	•	•	•
\$	Sonos One SL	64	\$180	⬆	⬆	⬆	•	•	•
✓	Master & Dynamic MA770	62	\$1,200	⬆	⬆	⬆	•		•
✓	MartinLogan Crescendo X	61	\$1,000	⬆	⬇	⬆	•	•	•
\$	Ikea Symfonisk Bookshelf	61	\$100	⬆	⬆	⬆	•	•	•
\$	Edifier E30 Spinnaker Bluetooth Speaker System	61	\$250	⬆	⬇	⬇	NA		•
	Como Audio Solo	60	\$300	⬇	⬆	⬆	•	•	•
	Denon HEOS 1 HS2	60	\$200	⬇	⬆	⬆	•	•	•
	Ikea Symfonisk Lamp	60	\$180	⬇	⬆	⬆	•	•	•
	Naim Mu-So QB	60	\$600	⬇	⬇	⬆	•		•
	Klipsch Heritage Wireless The Three	60	\$450	⬇	⬇	⬆	•		•
	House of Marley One Foundation	59	\$1,000	⬇	⬇	⬆	•		•
	Kanto Syd	59	\$330	⬇	⬇	⬆	NA	•	
	Marshall Stanmore	58	\$250	⬇	⬆	⬇		•	
	Audioengine HD3	56	\$350	⬇	⬇	⬇	NA		
	Marshall Woburn II	54	\$500	⬇	⬇	⬇	NA	•	•
	Bose SoundTouch 10	54	\$160	⬇	⬆	⬆	•	•	•
	JBL PartyBox 200	47	\$350	⬇	⬆	⬇	NA		
	Tivoli Audio Sphera	45	\$170	⬇	⬇	⬆	•		•
	Audioengine B2	45	\$200	⬇	⬇	⬇	NA		
	Phorus PS5	38	\$50	⬇	⬇	⬆	•		•
	Sony XB7 Extra Bass	30	\$350	⬇	⬇	⬇		•	

	Brand & Model	Overall Score	Price	Test Results			Features		
Recommended				Sound quality	Ease of use	Versatility	Optional multi-room sharing	Adjustable tone settings	Updatable software/firmware

PORTABLE

✓	Monster SuperStar Monster Blaster	60	\$220	⬇	⬆	⬆		●	
✓	JBL Boombox	60	\$500	⬇	⬆	⬇	NA		●
💰	Creative iRoar Go	60	\$120	⬇	⬆	⬆		●	●
✓	JBL Pulse 3	60	\$120	⬇	⬆	⬇	NA		●
💰	Bose SoundLink Color II	60	\$100	⬇	⬆	⬇			●
💰	Harman Kardon Onyx Studio 5	59	\$140	⬇	⬆	⬇	NA		●
✓	JBL Xtreme 2	59	\$250	⬇	⬆	⬇			●
✓	Sony SRS-XB41	58	\$150	⬇	⬆	⬆		●	●
✓	JBL Charge 4	58	\$180	⬇	⬆	⬇	NA		●
💰	Sony SRS-XB31	58	\$100	⬇	⬆	⬆		●	●
💰	Creative Sound Blaster Roar Pro	57	\$100	⬇	⬇	⬆		●	
✓	Bose Soundlink Revolve+	57	\$240	⬇	⬆	⬇			●
✓	Bose Soundlink Revolve	57	\$160	⬇	⬆	⬇			●
💰	JBL Flip 4	57	\$75	⬇	⬆	⬇			●
✓	JBL Control X Wireless	56	\$400	⬇	⬆	⬇	NA		
💰	Ultimate Ears Megaboom	56	\$115	⬇	⬇	⬆	NA	●	●
✓	Libratone Zipp	56	\$190	⬇	⬇	⬆	●	●	●
✓	Kicker Bullfrog Jump	56	\$200	⬇	⬆	⬆	NA	●	
✓	Ultimate Ears Megaboom 3	55	\$200	⬇	⬇	⬇		●	●
	JBL Xtreme	52	\$150	⬇	⬇	⬇	NA		●
	Edifier MP700	52	\$100	⬇	⬇	⬇	NA		
	Ultimate Ears Boom 3	51	\$80	⬇	⬇	⬇	NA	●	●
	Kicker Bullfrog BF100	48	\$120	⬇	⬆	⬆	NA	●	●
	Beats by Dr. Dre Pill+	48	\$120	⬇	⬆	⬇			●

	Brand & Model	Overall Score	Price	Test Results			Features		
Recommended				Sound quality	Ease of use	Versatility	Optional multi-room sharing	Adjustable tone settings	Updatable software/firmware

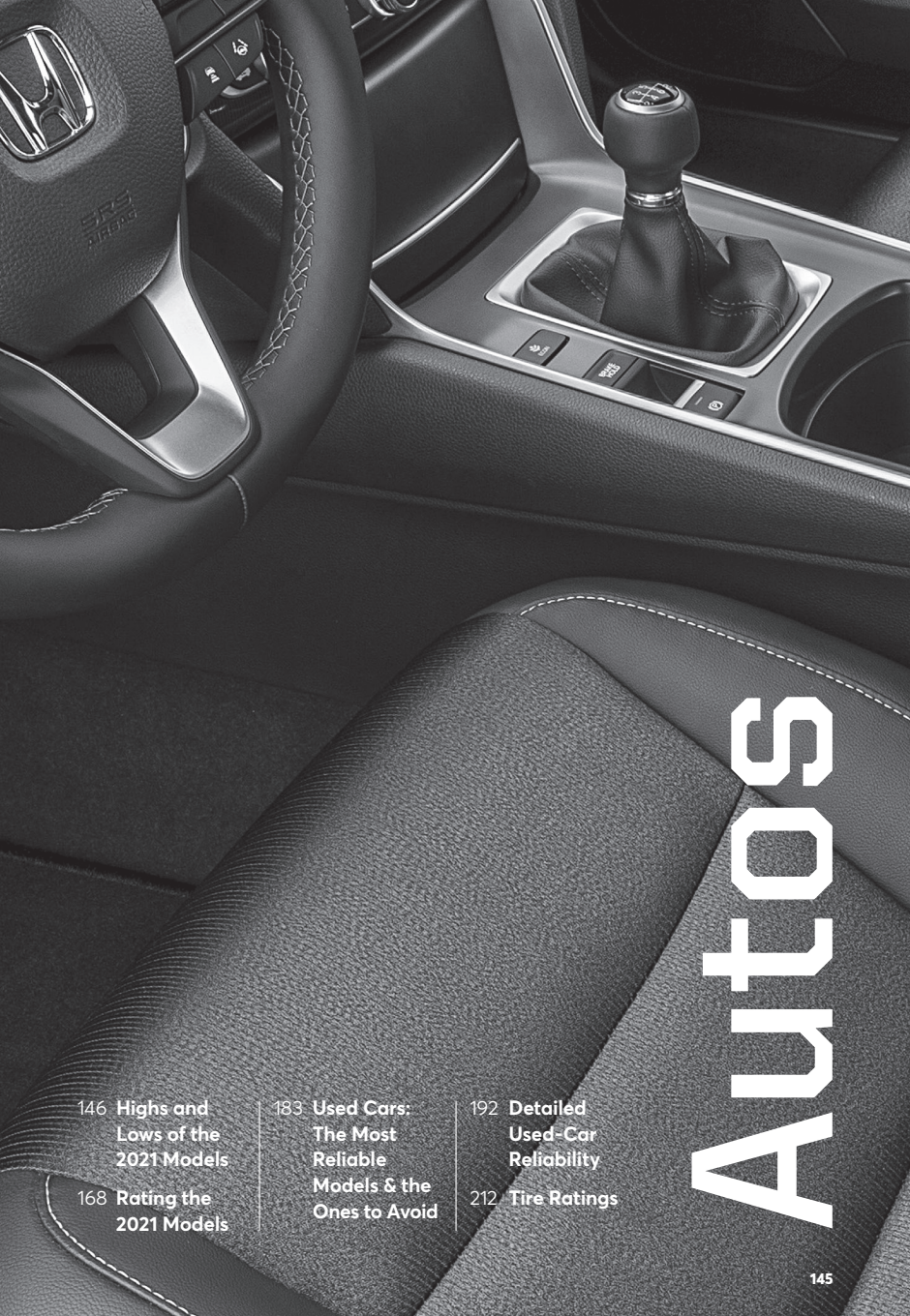
PORTABLE *Continued*

	Bose Soundlink Micro	47	\$80	⬆	⬆	⬆			●
	Altec Lansing Super LifeJacket	46	\$150	⬆	⬆	⬆		●	
	Libratone ONE Click	46	\$160	⬆	⬆	⬆		●	●
	Fugoo Style XL	45	\$200	⬆	⬆	⬆			●
	Aiwa Exos-9	40	\$300	⬇	⬆	⬆		●	●
	Soundcast VG1	40	\$60	⬇	⬆	⬆			
	V-Moda Remix	40	\$200	⬇	⬆	⬆			
	Ultimate Ears Wonderboom	40	\$70	⬇	⬆	⬇			
	House of Marley Chant Sport BT	40	\$70	⬇	⬆	⬆	NA		
	House of Marley Get Together Mini (EM-JA013)	40	\$140	⬇	⬆	⬆			
	Edifier MP280	40	\$50	⬇	⬆	⬆			
	Sony SRS-XB12	40	\$60	⬇	⬆	⬆			
	BeFree Sound Dual 12" (BFS-4600)	40	\$170	⬇	⬆	⬆		●	
	Ecoxgear Sol Jam	40	\$125	⬇	⬆	⬆			
	Sony SRS-XB21	40	\$100	⬇	⬆	⬆		●	●
	Ultimate Ears Boom 2	40	\$85	⬇	⬆	⬆	NA	●	●
	Monster Superstar Firecracker	40	\$25	⬇	⬆	⬆	NA		
	Altec Lansing Life Jacket 2	40	\$90	⬇	⬆	⬆	NA		
	iHome IBT91	40	\$70	⬇	⬆	⬆			●
	JBL Clip 2	40	\$50	⬇	⬆	⬆			

HOW WE TEST: Overall Score is based on the results of all our tests. **Sound quality** measures

tonal accuracy and ability to reproduce fine sonic detail. **Ease of use** refers to setup and

use of controls. **Versatility** is based on useful features. **Price** is approximate retail.



Autos

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The Highs and Lows of the 2021 Models

THIS OVERVIEW OF the highs and lows of all the major 2021 models can start you on your search for a new car, minivan, SUV, or pickup truck. Each model's listing includes the positive and negative attributes.

A majority of the highs and lows are based on our experiences with tested vehicles, and the findings are applicable to the 2021 model-year vehicles.

In some cases, there are models that we haven't put through our formal testing. But we spent time with them by renting a version from the manufacturer and evaluating it at our Auto Test Center.

After reading the overviews, turn to our vehicle ratings (starting on page 168) to see how individual models rank according to their Overall Score, which accounts for a vehicle's performance in our road tests; results from our relia-

bility and owner satisfaction surveys; availability of frontal crash-prevention systems with forward collision warning (FCW), automatic emergency braking that operates at city speeds (AEB city) and/or at highway speeds (AEB highway), a pedestrian detection system, and blind spot warning (BSW); and, if applicable, safety tests that were conducted by the government or the insurance industry.

The ratings include Consumer Reports' predicted reliability rating, an indication of how problematic we expect a model is likely to be. It's based on our Annual Auto Surveys, where we asked owners about any serious problems they had with their vehicles in the previous 12 months. Turn to page 192 for more information on reliability.

Make & Model	Highs	Lows
Acura ILX Premium	Reliability.	Stiff ride, loud cabin, access, controls, overpriced for what you get.
Acura MDX Tech	Fit and finish, easy third-row access, rear seat, headlights.	Reliability, controls, agility, suspension noise, rear visibility.
Acura RDX Tech	Handling, acceleration, stopping distances, front-seat comfort, fit and finish.	Reliability, controls, engine noise, brake-pedal feel.
Acura RLX Tech	Spacious and plush interior, seat comfort, braking.	Ride, agility, complicated controls, suspension noise.
Acura TLX	Haven't evaluated 2021 redesign yet.	
Alfa Romeo Giulia Ti (AWD)	Agility, steering.	Reliability, controls, rear seat, limited driver's seat adjustments.
Alfa Romeo Stelvio Ti	Handling, style, character.	Controls, visibility, tight rear seat, limited seat adjustments, overly touchy brake pedal.
Audi A3 Premium	Handling, solid feel, braking.	Rear seat, some controls, headlights.
Audi A4 Premium Plus	Ride, handling, quietness, transmission, fit and finish, front-seat comfort, reliability.	Ride, handling, quietness, transmission, fit and finish, front-seat comfort, reliability.
Audi A5	Ride, handling, quietness, transmission, fit and finish, front-seat comfort, reliability.	Ride, handling, quietness, transmission, fit and finish, front-seat comfort, reliability.
Audi A6 Premium Plus (2.0T)	Handling, braking, seat comfort, fit and finish.	Reliability, hesitation off line, scant interior storage.
Audi A7	Handling, braking, seat comfort, fit and finish.	Reliability, hesitation off line, scant interior storage.
Audi A8 3.0T	Ride, quietness, transmission, interior room, seat comfort, fit and finish.	Reliability, controls require a learning curve, scant in-cabin storage.

Make & Model	Highs	Lows
Audi E-Tron Premium Plus	Ride, quietness, acceleration, seat comfort, fit and finish, no emissions, doesn't consume fuel.	Long charging times, limited range.
Audi Q3	Handling, braking, seat comfort.	Engine noise, rear visibility.
Audi Q5 Premium Plus	Ride, quietness, seat comfort.	Controls require a learning curve.
Audi Q7 Premium Plus	Powertrain, quietness, agility, seat comfort, fit and finish.	Learning curve for controls.
Audi Q8	Powertrain, quietness, agility, seat comfort, fit and finish.	Learning curve for controls.
Audi TT 2.0T	Agility, braking, front-seat comfort, fit and finish, hatchback versatility, high-tech features.	Controls take getting used to, ride, access, tiny rear seat, no advanced safety features offered.
BMW 228i Gran Coupe	Eager powertrain and handling, front-seat comfort, fit and finish.	Ride, rear seat, access.
BMW 330i xDrive	Handling, acceleration, braking, transmission, fuel economy, front-seat comfort, fit and finish.	Reliability, controls, overzealous lane keeping assistance.
BMW 530i xDrive	Ride, quietness, transmission, seat comfort, fit and finish.	Reliability, learning curve for controls.
BMW 750i xDrive	Ride, quietness, powertrain, seat comfort, room, fit and finish.	Narrow trunk, learning curve for controls.
BMW 8 Series	Powertrain, comes as convertible, coupe and 4-door.	Long doors in 2-door versions, access, visibility.
BMW i3 Giga Rex	Agility.	Short range, seats only four, rear-seat access, cargo space, stingy instrumentation.
BMW M240i	Acceleration, handling, braking, front-seat comfort, quietness.	Rear seat room, some controls.
BMW X1 xDrive28i	Fuel economy, transmission, braking.	Road noise, narrow front seats, stiff ride, blind spot warning unavailable.

Make & Model	Highs	Lows
BMW X2 xDrive28i	Handling, engine and transmission, fit and finish, front-seat comfort.	Visibility, ride, road noise, blind spot warning unavailable.
BMW X3 xDrive30i	Handling, braking, transmission, quietness, front-seat comfort, fit and finish.	Unintuitive gear selector.
BMW X4	Handling, braking, transmission, front-seat comfort.	Coupelike profile sacrifices utility.
BMW X5 xDrive40i	Ride, quietness, acceleration, transmission, braking, seat comfort, fit and finish.	Reliability, learning curve for controls.
BMW X6	Handling, luxurious interior.	Coupelike profile sacrifices utility, visibility.
BMW X7 xDrive40i	Ride, quietness, acceleration, transmission, seat comfort, fit and finish.	Reliability, learning curve for controls.
BMW Z4 sDrive 30i	Handling, braking, acceleration, seat comfort, fit and finish, quick top operation.	Ride, visibility, controls, overzealous lane keeping assistance.
Buick Enclave Premium	Ride, braking, quietness, interior room, powertrain, infotainment system.	Confusing gear selector, fuel economy, cheap manual sunroof shade.
Buick Encore GX Select (1.3T)	Mid-range acceleration, fuel economy, braking, infotainment system.	Engine noise and vibration, rear seat.
Buick Encore Preferred	Ride, quietness, braking, maneuverability.	Acceleration, driving position, narrow cabin, rear visibility.
Buick Envision Premium	Simple controls, easy access.	Lacks agility, unsettled ride, low dash vents.
Buick Regal Essence (2.0T, AWD)	Ride, powertrain, braking, controls, front-seat comfort, hatchback versatility.	Interior ambiance.
Cadillac CT4	Handling, braking, front-seat comfort, fit and finish.	Rear-seat room and access, scant in-cabin storage.
Cadillac CT5 Luxury Premium (2.0T, AWD)	Handling, braking, front-seat comfort, fit and finish.	Unrefined transmission, engine noise, rear headroom, low dash vents.

Make & Model	Highs	Lows
Cadillac CT6 Luxury (3.6L, AWD)	Agility, ride, braking, quietness, seat comfort, interior room, fit and finish.	Reliability, controls, low dash vents, scant in-cabin storage.
Cadillac Escalade	Haven't evaluated 2021 redesign yet.	
Cadillac XT4 Premium Luxury	Handling, transmission, braking, fit and finish, front-seat comfort.	Reliability, engine noise, ride.
Cadillac XT5 Luxury	Plush interior, seat comfort, quietness.	Reliability, stiff ride, unintuitive gear selector, visibility.
Cadillac XT6 Premium Luxury	Ride, quietness, transmission.	Fuel economy, limited seat adjustments, missing some luxury features, brand reliability.
Chevrolet Blazer Leather (V6)	Acceleration, braking, transmission, quietness, controls.	Visibility, fuel economy, low dash vents.
Chevrolet Bolt Premier	Range, acceleration, no emissions, agility, quietness.	Charging times, brake-pedal feel, ride, seat comfort, gear selector.
Chevrolet Camaro SS (V8)	Acceleration, handling, braking, styling.	Reliability, visibility, tight interior, low dash vents.
Chevrolet Colorado LT (diesel)	Maneuverability, towing and payload capacities, fuel economy, damped tailgate.	Reliability, ride, uncomfortable seats and driving position.
Chevrolet Colorado LT (V6)	Maneuverability, towing and payload capacities, damped tailgate.	Reliability, ride, uncomfortable seats and driving position.
Chevrolet Corvette	Haven't evaluated redesign yet.	
Chevrolet Equinox LT (1.5T)	Interior room, ride, quietness, controls, infotainment system.	So-so acceleration, interior fit and finish.
Chevrolet Malibu LT (1.5T)	Ride, quietness, controls.	Reliability, raspy turbo, front-seat comfort, so-so visibility, no standard AEB.
Chevrolet Silverado 1500 LT (5.3L V8)	Interior room, deep bed, quietness.	Reliability, step-in height.

Make & Model	Highs	Lows
Chevrolet Silverado 1500 LT (diesel)	Fuel economy, interior room, deep bed, quietness.	Reliability, stopping distances, step-in height.
Chevrolet Spark 1LT	Fuel economy, easy to park, braking.	Acceleration, ride, noise, seat comfort, driving position.
Chevrolet Suburban	Haven't evaluated 2021 redesign yet.	
Chevrolet Tahoe	Haven't evaluated 2021 redesign yet.	
Chevrolet Silverado 1500 LT (5.3L V8)	Interior room, deep bed, quietness.	Reliability, step-in height.
Chevrolet Trailblazer LT (1.3T)	Fuel economy, midrange torque, controls, interior room.	Rear and side visibility, agility, front-seat comfort.
Chevrolet Trax LT	Easy to park, decent room within a small footprint.	Acceleration, ride, engine noise, rear visibility, front seats, fussy to use touch-screen radio.
Chrysler 300 C (V8)	Acceleration, transmission, ride, quietness, seat comfort, fit and finish.	Expensive optional advanced safety equipment.
Chrysler 300 Limited (V6)	Transmission, ride, quietness, seat comfort, fit and finish.	Expensive optional advanced safety equipment.
Chrysler Pacifica Hybrid Platinum	Interior space, ride, quietness, Uconnect 8.4 infotainment system, access, fuel economy.	Reliability, Hybrid loses Stow 'n Go seating/cargo flexibility.
Chrysler Pacifica Touring L	Interior space and flexibility, ride, quietness, Uconnect 8.4 infotainment system, access.	Reliability, coarse-sounding engine.
Chrysler Voyager	Interior space and flexibility, ride, quietness, Uconnect 8.4 infotainment system, access.	Reliability, coarse-sounding engine.
Dodge Challenger R/T Plus (V8)	Braking, exhaust sound, infotainment system, habitable rear seat, brawn.	Ride, noise, visibility.
Dodge Charger R/T Plus (V8)	V8 sound and power, transmission, easy-to-use infotainment system.	Visibility, access.

Make & Model	Highs	Lows
Dodge Charger SXT (V6)	Transmission, quietness, ride, interior room, feature content.	Visibility, access.
Dodge Durango GT (V6)	Ride, quietness, transmission, interior space, access, front-seat comfort, usable third-row seat, towing capacity.	Reliability, rear visibility, maneuverability, fuel economy.
Dodge Journey	Standard third-row seat.	Poor IIHS small overlap crash-test results, no advanced safety features offered.
Fiat 124 Lusso	Agility, manual shifter, fuel economy, easy manual top.	Ride, noise, tight quarters, access, infotainment system, AEB not offered.
Fiat 500L Pop	Roomy interior, handy size, access.	Reliability, poor IIHS small overlap crash-test, stiff ride, touchy brake pedal, front seats, driving position, no advanced safety features offered.
Fiat 500X Pop	Maneuverability, upscale features.	Reliability, ride, transmission, noise, idle vibration, touchy brake pedal, visibility, front-seat comfort.
Ford EcoSport SES (2.0L)	Handling agility, easy controls, access, reliability.	Ride, noise, acceleration, transmission, cargo space, no AEB offered.
Ford Edge SEL (2.0T)	Quietness, handling, braking, interior room.	Driving position.
Ford Escape Hybrid Sport	Fuel economy, agility, stopping distance, controls.	Can only get auto-up windows on Titanium trim.
Ford Escape SE (1.5T)	Fuel economy, agility, stopping distance, controls.	Engine vibration with the 1.5-liter, overly sensitive brake pedal.
Ford Expedition MAX Limited	Quietness, acceleration, controls, interior room.	Ride, handling, fuel economy.
Ford Explorer XLT (2.3T)	Agility, controls.	Ride, transmission's bumpy shifts, loud engine.

Make & Model	Highs	Lows
Ford F-150 XLT (2.7T)	Quiet cabin, acceleration, towing and payload capacities, lots of clever features.	Reliability, jittery ride, lackluster handling, braking.
Ford Fusion Hybrid SE	Fuel economy, agility, ride, quietness, fun to drive, powertrain.	Visibility, touchy brakes, rear seat, small trunk opening.
Ford Fusion SE (1.5T)	Agility, ride, quietness, fun to drive, braking.	Visibility, rear seat, small trunk opening.
Ford Fusion Titanium (2.0T)	Agility, ride, quietness, fun to drive, braking.	Visibility, rear seat, small trunk opening.
Ford Mustang GT Premium (V8)	Handling, acceleration, braking, interior details, exhaust sound.	Fuel economy, rear seat, ride.
Ford Mustang Premium (2.3T)	Handling, braking, interior details.	Rear seat, noise, raspy engine sound.
Ford Mustang Mach-E	Haven't evaluated new model yet.	
Ford Ranger XLT	Relatively fuel efficient, maneuverable size.	Ride, controls, high step-in.
Genesis G70 Elite (2.0T, AWD)	Handling, controls, fit and finish, reliability.	Tight quarters, gear selector, stopping distance.
Genesis G80	Haven't evaluated 2021 redesign yet.	
Genesis G90 Premium (3.3T, AWD)	Powertrain, ride, quietness, interior room.	Fuel economy, unintuitive gear selector, low dash vents.
Genesis GV80	Haven't evaluated new model yet.	
GMC Acadia Denali	Quietness, ride, rear seat room, controls, infotainment system.	Fuel economy, missing some common features.
GMC Canyon SLE (diesel)	Maneuverability, towing and payload capacities, fuel economy, damped tailgate.	Reliability, ride, uncomfortable seats and driving position.

Make & Model	Highs	Lows
GMC Canyon SLE (V6)	Maneuverability, towing and payload capacities, damped tailgate.	Reliability, ride, uncomfortable seats and driving position.
GMC Sierra 1500 SLE (5.3L V8)	Interior room, deep bed, quietness.	Reliability, step-in height.
GMC Sierra 1500 SLE (diesel)	Fuel economy, interior room, deep bed, quietness.	Reliability, stopping distances, step-in height.
GMC Terrain SLE (2.0T)	Acceleration, braking.	Loud cabin, stiff ride, agility, visibility, fit and finish, unintuitive gear selector.
GMC Yukon	Haven't evaluated 2021 redesign yet.	
GMC Yukon XL	Haven't evaluated 2021 redesign yet.	
Honda Accord EX (1.5T)	Ride, handling, fuel economy, controls.	Low stance hurts access.
Honda Accord Hybrid EX	Fuel economy, ride, trunk space.	Low stance hurts access, unintuitive gear selector.
Honda Civic EX-T	Fuel economy, ride, handling, interior storage.	Awkward access, front-seat comfort, complicated infotainment for EX and higher trims.
Honda Civic LX	Fuel economy, ride, handling, interior storage.	Awkward access, front-seat comfort.
Honda Clarity Plug-in	Acts as an EV for short distances, ride, interior room, reliability.	Clumsy handling, front-seat comfort, confusing controls, small gas tank for long trips.
Honda CR-V EX	Fuel economy, roomy interior, access.	Cumbersome infotainment system on EX and higher trims.
Honda CR-V Hybrid EX	Fuel economy, roomy interior, access.	Ride, cumbersome infotainment system on EX and higher trims.
Honda Fit EX	Fuel economy, interior room, versatility, handling, access, reliability.	Ride, noise, confusing uplevel audio system.

Make & Model	Highs	Lows
Honda HR-V LX	Fuel economy, roomy interior, storage, secure handling.	Ride, noise, acceleration, front-seat comfort, rear door handles.
Honda Insight EX	Fuel economy, ride.	Controls, front-seat comfort, low stance hurts access.
Honda Odyssey EX-L	Ride, quietness, interior room and flexibility, kid-friendly tech.	Reliability.
Honda Passport EX-L	Acceleration, Interior room, quietness.	Reliability, ride.
Honda Pilot EX-L	Roomy interior, visibility, access, smooth powertrain.	Clumsy handling, controls, 9-speed automatic with push-button gear selector on high-end versions.
Honda Ridgeline RTL	Ride, quietness, clever in-bed storage and dual-mode tailgate, fuel economy.	Low towing capacity, shallow bed.
Hyundai Accent SEL	Controls, fuel economy, braking.	Stiff ride, loud cabin, seat comfort, interior room.
Hyundai Elantra	Haven't evaluated 2021 redesign yet.	
Hyundai Elantra GT (2.0L)	Handling, braking, transmission, controls, hatchback versatility, reliability.	Ride, noise.
Hyundai Ioniq SEL	Fuel economy, controls, cargo versatility.	Braking, agility, hesitation off the line, too easy to turn off DRL.
Hyundai Kona Electric Limited	Acceleration, handling, range, low running costs, no emissions, reliability.	Charging times, gear selector.
Hyundai Kona SEL (2.0L)	Agility, braking, controls, fuel economy, reliability.	Ride, noise, acceleration.
Hyundai Palisade SEL	Powertrain, interior room, access.	Agility, gear selector.

Make & Model	Highs	Lows
Hyundai Santa Fe Limited (2.0T)	Handling, controls, rear-seat room.	Uneven power delivery with turbo engine.
Hyundai Sonata SEL (2.5)	Fuel economy, handling, braking, optional high-tech features.	Ride, gear selector.
Hyundai Tucson SE (2.0L)	Room, agility, braking.	Acceleration, engine noise.
Hyundai Tucson SEL (2.4L)	Controls, braking.	Humdrum interior, fuel economy for class.
Hyundai Veloster Turbo R-Spec	Handling, braking, manual shifter, controls.	Ride, noise, visibility.
Hyundai Venue SEL	Controls, fuel economy, braking.	Ride, noise, fit and finish, rear seat, no adjustable seat belt anchors.
Infiniti Q50 Luxe (AWD)	Acceleration, agility, braking, visibility.	Cumbersome infotainment system, small trunk.
Infiniti QX50 Essential	Quietness, fit and finish, braking.	Confusing controls, short on agility.
Infiniti QX60 Luxe	Plush interior, roomy cabin, quietness, fit and finish, access, front-seat comfort, controls, surround-view camera.	Agility, rear visibility, fuel economy.
Infiniti QX80 Luxe	Powertrain, quietness, rear seat, fit and finish, cargo capacity, towing, off-road.	Handling, fuel economy, access, NHTSA crash-test results.
Jaguar E-Pace S	Handling, fit and finish.	Reliability, uneven power delivery, ride, visibility, controls.
Jaguar F-Pace Prestige	Agility, acceleration, braking, transmission, rear seat.	Reliability, ride, noise, rear visibility, so-so infotainment system, wimpy A/C.
Jaguar I-Pace HSE	Acceleration, handling, quietness, fit and finish, low running costs, no emissions.	Controls, long charging times, limited range, brake-pedal feel, brand reliability.

Make & Model	Highs	Lows
Jaguar XE Premium (25t AWD)	Handling agility, steering.	Tight quarters, seat comfort, controls, interior short on luxury grade materials.
Jaguar XF Prestige (V6, AWD)	Ride, agility, acceleration, braking, transmission, front-seat comfort.	Controls, no standard AEB, weak A/C.
Jeep Cherokee Limited (2.0T)	Interior room, controls, braking.	Reliability, sluggish off the line, uncooperative transmission, ride, agility, engine noise.
Jeep Compass Latitude	Controls, access.	Feels underpowered, touchy brake pedal, lacks agility, ride, engine noise, rear seat.
Jeep Gladiator Sport	Powertrain, towing capacity, character.	Handling, wind noise, awkward window controls.
Jeep Grand Cherokee Limited (V6)	Quietness, ride, off-road and towing capability, seat comfort, fit and finish, easy infotainment system.	Fuel economy, poor IIHS small overlap crash-test results.
Jeep Renegade Latitude	Styling, upscale features.	Reliability, ride, transmission, visibility, front-seat comfort, grabby brakes, idle vibration.
Jeep Wrangler Sahara (4-door)	Off-road ability, strong powertrain with the V6 engine.	Reliability, stiff ride, lots of wind noise, awkward access, fuel economy.
Kia Cadenza Technology	Acceleration, smooth powertrain, quietness, braking, interior room, controls.	Lacks agility.
Kia Forte LXS	Controls, fuel economy.	Ride, noise, seat comfort, fit and finish.
Kia K5	Haven't evaluated new model yet.	
Kia K900	Haven't evaluated model yet.	
Kia Niro EV EX Premium	Robust range for an EV, no emissions, acceleration, quietness, practicality, reliability.	Charging times.

Make & Model	Highs	Lows
Kia Niro EX	Fuel economy, controls, cargo versatility.	Braking, agility, hesitation off the line, front-seat comfort, ride.
Kia Rio S	Controls, fuel economy.	Stiff ride, loud cabin, seat comfort, interior room.
Kia Sedona EX	Powertrain, second-row comfort, fit and finish.	Clumsy handling, stiff ride, lacks expected minivan flexibility.
Kia Seltos S (2.0L)	Fuel economy, braking, controls, visibility.	Ride, noise, advanced safety features not standard.
Kia Sorento EX (V6)	Smooth V6 powertrain, intuitive controls, ride, quietness, has a third-row seat.	Tight third-row seat.
Kia Soul EX	Braking, controls, access, passenger space, reliability.	Ride, loud engine.
Kia Sportage LX (2.4L)	Handling, powertrain, room, easy controls.	Rear visibility.
Kia Stinger Premium (2.0T, AWD)	Handling, front-seat comfort, hatchback versatility.	Ride, tight rear seat, difficult access, visibility.
Kia Telluride EX	Ride, quietness, braking, interior room, controls, well-equipped for price.	Agility.
Land Rover Defender	Haven't evaluated new model yet.	
Land Rover Discovery HSE	Acceleration, ride, quietness, front-seat comfort, fit and finish.	Agility, fuel economy, controls, low rear-seat, third-row access, brand reliability.
Land Rover Discovery Sport SE	Access, rear seat, some off-road ability.	Transmission, uneven power delivery, ride, handling, controls, rear visibility, brand reliability.
Land Rover Range Rover Evoque SE	Front-seat comfort, fit and finish, agility, braking.	Ride, controls, visibility, hesitation off line, brand reliability.

Make & Model	Highs	Lows
Land Rover Range Rover HSE (3.0L)	Ride, quietness, acceleration, interior room, fit and finish, visibility, seat comfort, off-road and towing capabilities.	Agility, fuel economy, controls, brand reliability.
Land Rover Range Rover Sport HSE (3.0L)	Handling, acceleration, fit and finish, towing and off-road capability.	Stiff ride, controls, fussy gear selector, fuel economy, brand reliability.
Land Rover Range Rover Velar S	Handling, fit and finish.	Stiff ride, distracting controls, visibility, fuel economy, brand reliability.
Lexus ES350	Ride, quietness, front seat comfort, fit and finish, reliability.	Controls, rear seat.
Lexus GS350	Quietness, ride, powertrain, front-seat comfort, fit and finish, visibility, reliability.	Fussy controls.
Lexus GX460 Premium	Powertrain, quietness, ride, fit and finish, front-seat comfort, off-road ability, towing, reliability.	Fuel economy, agility, tight third-row seat, side-hinged tailgate.
Lexus IS	Haven't evaluated 2021 redesign yet.	
Lexus LS500 (AWD)	Acceleration, quietness, driver's seat comfort, fit and finish.	Reliability, controls, rear seat space for class, small trunk.
Lexus NX300	Handling, maneuverability, reliability.	Tight quarters, visibility, fussy touchpad controls, in-cabin storage.
Lexus NX300h	Fuel economy, handling, maneuverability, reliability.	Tight quarters, visibility, fussy touchpad controls, in-cabin storage.
Lexus RX350	Ride, quietness, powertrain, fit and finish.	Agility, wet stopping distances, distracting controls, rear visibility.
Lexus RX350L	Ride, quietness, powertrain, fit and finish.	Distracting controls, tiny third-row seat.
Lexus RX450h	Quietness, ride, fuel economy, fit and finish.	Agility, wet stopping distances, distracting controls, rear visibility.

Make & Model	Highs	Lows
Lexus UX250h	Fuel economy, transmission, quietness, reliability.	Controls, tight interior, rear seat.
Lincoln Aviator Reserve (3.0T)	Acceleration, handling, ride, quietness, fit and finish, cargo room.	Controls, gear selector, fuel economy.
Lincoln Continental Reserve (2.7T, AWD)	Ride, quietness, acceleration, braking, interior room.	Confusing gear selector, controls, front-seat comfort.
Lincoln Corsair Reserve (2.0T)	Ride, quietness, powertrain, fit and finish.	Controls.
Lincoln MKZ (2.0T)	Handling, ride, quietness.	Visibility, snug interior, hidden exterior trunk release, gear selector.
Lincoln MKZ Hybrid	Handling, ride, quietness, fuel economy.	Visibility, snug interior, hidden exterior trunk release, gear selector.
Lincoln Nautilus Reserve (2.7T)	Ride, handling, quietness, acceleration, fit and finish.	Reliability, fuel economy, gear selector, small text in instrument cluster.
Lincoln Navigator Select	Quietness, powertrain, second- and third-row seat room.	Front-seat comfort, unintuitive gear selector, clumsy handling, fuel economy.
Maserati Ghibli S Q4	Exhaust sound, steering feedback, braking, acceleration, transmission, fit and finish.	Ride, initial turbo lag, fuel economy, rear seat, access, touchy brake pedal, fussy gear selector.
Maserati Levante	Have not evaluated model yet.	
Mazda CX-3 Touring	Handling, fuel economy, reliability.	Noise, tight rear seat and cargo room, visibility, ride.
Mazda CX-30 Preferred	Fit and finish, fuel economy.	Controls, engine noise, tight quarters, visibility.
Mazda CX-5 Touring	Ride, quietness, handling, reliability.	So-so rear visibility, controls have a learning curve.

Make & Model	Highs	Lows
Mazda CX-9 Touring	Ride, handling, quietness, reliability.	Controls have a learning curve, rear visibility.
Mazda MX-5 Miata Club	Agility, manual shifter, fuel economy, easy manual top, reliability.	Ride, noise, tight quarters, cumbersome infotainment system, access.
Mazda3 Select	Fit and finish, quietness, braking, fuel economy.	Controls.
Mazda6 Touring (2.5L)	Handling, ride.	Relatively tight quarters.
Mercedes-Benz A220 (4MATIC)	Handling, braking, fit and finish, front-seat comfort.	Ride, controls, hesitation off the line, rear seat, wimpy AC, access.
Mercedes-Benz CLA250 (4MATIC)	Handling, fit and finish, front-seat comfort.	Ride, controls, rear seat, access.
Mercedes-Benz C300 (4MATIC)	Ride, handling, acceleration, quietness, front-seat comfort, fit and finish.	Controls including gear selector.
Mercedes-Benz E350 (4MATIC)	Agility, braking, quietness, front-seat comfort, fit and finish.	Controls, tight rear seat, rear access.
Mercedes-Benz GLA	Haven't evaluated 2021 redesign yet.	
Mercedes-Benz GLB250	Handling, braking, acceleration, fuel economy, fit and finish.	Controls, low and flat rear seat.
Mercedes-Benz GLC300	Ride, agility, fit and finish, front-seat comfort.	Controls, engine noise.
Mercedes-Benz GLE450	Acceleration, quietness, seat comfort, fit and finish.	Controls.
Mercedes-Benz GLS450	Powertrain, ride, quietness, seat comfort, fit and finish.	Controls.

Make & Model	Highs	Lows
Mercedes-Benz S560 (4MATIC)	Most comfortable riding car, quietness, acceleration, braking, interior room, seat comfort, fit and finish.	Reliability, fuel economy, complicated and distracting controls.
Mini Cooper Countryman S	Handling, braking, powertrain, seat comfort, fit and finish.	Ride, noise, controls.
Mini Cooper S	Handling, fuel economy, manual shifter, engine sound.	Rear seat, some controls, premium fuel.
Mitsubishi Eclipse Cross SE	Access, rear seat.	Controls, agility, visibility, front-seat comfort, acceleration, cargo space.
Mitsubishi Mirage ES	Fuel economy, turning circle, relatively roomy rear seat, hatchback versatility, feature content.	Handling, noise, vibration, acceleration, feels cheap, no advanced safety features offered.
Mitsubishi Outlander SEL (4-cyl.)	Standard third-row seat, access, visibility.	Agility, acceleration, engine noise, unsettled ride, no A/C vents for rear passengers.
Mitsubishi Outlander Sport	Maneuverability.	Noise, outdated design.
Nissan Altima 2.5 SV	Controls, fuel economy, reliability.	Agility, ease of entry.
Nissan Armada Platinum	Smooth and robust powertrain, quietness, towing capacity, fit and finish.	Agility, unsettled ride, fuel economy, NHTSA crash-test results.
Nissan Frontier	Acceleration.	Ride, tight rear seat, fuel economy.
Nissan Kicks SV	Fuel economy, controls, visibility.	Acceleration, fit and finish, front-seat comfort, agility.
Nissan Leaf SL Plus	Low running costs, no emissions, quick and quiet acceleration, access.	Charging times, range still limited, driving position, lack of agility.
Nissan Leaf SV	Low running cost, quietness, no emissions, power delivery, access.	Charging times, short range, driving position, lack of agility.

Make & Model	Highs	Lows
Nissan Maxima Platinum	Acceleration, controls, fit and finish.	Ride, steering, engine noise, access, snug driving position, visibility, rear-seat room.
Nissan Murano SL	Plush interior, access, easy infotainment system.	Visibility, overly light steering, agility, towing capacity.
Nissan Pathfinder SL	Roominess, controls, access.	Handling, fuel economy, rear visibility, second-row thigh support.
Nissan Rogue	Haven't evaluated 2021 redesign yet.	
Nissan Rogue Sport SV	Access, fuel economy, controls, reliability.	Acceleration, rear-seat comfort, rear visibility.
Nissan Sentra SV	Ride, handling, controls, rear seat, braking, fuel economy.	Unsupportive front seat, foot-operated parking brake, headlight performance.
Nissan Titan SV (V8)	Acceleration, braking, roomy cab, light tailgate.	Reliability, ride, fit and finish, fuel economy.
Nissan Versa SV	Controls, fuel economy, standard advanced safety features for price.	Ride, engine noise, seat comfort.
Nissan Z Touring	Acceleration, handling, braking, fit and finish.	Ride, noise, visibility, access, no advanced safety features offered.
Porsche 718 Boxster Base	Acceleration, handling, braking, fit and finish, quick convertible top that works on the move.	Ride, noise, access, some controls, visibility with closed top.
Porsche 718 Cayman	Acceleration, handling, braking, fit and finish.	Ride, noise, access, some controls, visibility.
Porsche 911	Haven't evaluated redesign yet.	
Porsche Cayenne Base	Handling, quietness, fit and finish, seat comfort, reliability.	Controls, ride, uneven power delivery.
Porsche Macan S	Handling, powertrain, ride, quietness, braking, front-seat comfort, fit and finish, towing capacity.	Rear visibility, modest cargo area, controls, V6 engine's fuel economy.

Make & Model	Highs	Lows
Porsche Panamera	Haven't evaluated redesign yet.	
Porsche Taycan	Haven't evaluated new model yet.	
Ram 1500 Big Horn (5.7L V8)	Ride, quietness, transmission, cabin room, controls.	Reliability, high step-in.
Subaru Ascent Limited	Ride, quietness, interior room, visibility, braking, controls, usable third-row seat.	Agility.
Subaru BRZ Premium	Driving fun, handling, braking, fuel economy, reliability.	Ride, noise, access, vestigial rear seating, no advanced safety features offered.
Subaru Crosstrek Hybrid Premium	Ride, braking, fuel economy, reliability.	Acceleration, engine noise, battery takes up cargo room.
Subaru Crosstrek Premium	Ride, braking, controls, fuel economy, reliability.	Acceleration, engine noise, driver's seat short on lumbar support.
Subaru Forester Premium	Fuel economy, roomy interior, great visibility, easy controls.	Engine noise.
Subaru Impreza Premium	Ride, braking, fuel economy, relatively roomy interior, controls.	Front-seat comfort.
Subaru Legacy Premium	Ride, transmission, standard all-wheel drive.	Some controls require multiple steps.
Subaru Outback Limited XT	Ride, transmission, seat comfort, driving position, fit and finish, integrated cross bars, standard all-wheel drive.	Some controls require multiple steps.
Subaru WRX Premium	Acceleration, cornering grip, braking, four-door practicality, visibility.	Reliability, ride, constant engine drone, stiff clutch, clunky shifter, turbo lag.
Tesla Model 3 Long Range	Instant power, handling agility, front-seat comfort, low running costs, no emissions.	Stiff ride, distracting controls, rear seat, long charging times.


Make & Model	Highs	Lows
Tesla Model S Long Range	Acceleration, handling, luggage capacity, low running costs, no emissions.	Long charge times, access, rear-seat comfort, visibility, controls.
Tesla Model X Long Range	Acceleration, handling, front-seat comfort, fit and finish, low running costs, no emissions.	Reliability, limited range, long charge times, fussy doors, ride, wind noise, rear visibility, controls.
Tesla Model Y	Haven't evaluated new model yet.	
Toyota 4Runner SR5	Off-road ability, power-retractable rear window, reliability.	Fuel economy, handling, ride, driving position, fit and finish, access.
Toyota 86	Driving fun, handling, braking, fuel economy, reliability.	Ride, noise, access, vestigial rear seating, no advanced safety features offered.
Toyota Avalon Hybrid XLE	Fuel economy, ride, interior room, controls, trunk space, reliability.	Low stance hurts getting in and out, too easy to cancel DRL.
Toyota C-HR XLE	Controls.	Slow acceleration, wind noise, rear visibility, rear access, unsupportive driver's seat.
Toyota Camry Hybrid LE	Fuel economy, ride, controls.	Low stance hurts access, too easy to cancel DRL.
Toyota Camry LE (4-cyl.)	Fuel economy, braking, ride, controls.	High-rpm engine noise, transmission refinement, low stance hurts access, too easy to cancel DRL.
Toyota Corolla Hatchback SE	Handling, fuel economy, controls, braking, reliability.	Ride, engine noise, tight rear seat.
Toyota Corolla Hybrid LE	Fuel economy, ride, controls, reliability.	Acceleration, rear seat, access.
Toyota Corolla LE	Fuel economy, ride, controls, reliability.	Acceleration, rear seat, access.
Toyota Highlander Hybrid XLE	Fuel economy, ride, controls, second-row seats.	Agility, long stopping distances.
Toyota Highlander XLE (V6)	Smooth engine, ride, controls, second-row seats.	Agility.

Make & Model	Highs	Lows
Toyota Land Cruiser	Ride, quietness, powertrain, acceleration, fit and finish, front and 2nd row seat comfort, off-road capability, towing capacity.	Fuel economy, agility, tight third-row seat.
Toyota Mirai	Long range for an EV, relatively quick fill-ups, ride, emits only water vapor.	Only seats 4, clumsy handling, limited hydrogen infrastructure, cargo space, too easy to turn off DRL.
Toyota Prius LE	Fuel economy, hatchback versatility, ride, reliability.	Rear visibility, acceleration, seat comfort, insubstantial for price, odd gear selector and gauges, too easy to turn off DRL.
Toyota Prius Prime Premium	Fuel economy, no range anxiety, ride, hatchback versatility, reliability.	Complex infotainment screen, 4-seat only, no rear wiper, too easy to turn off DRL.
Toyota RAV4 Hybrid XLE	Fuel economy.	Ride, fit and finish.
Toyota RAV4 XLE (2.5L)	Fuel economy.	Engine noise, ride, fit and finish.
Toyota Sequoia Limited	Powertrain, accommodations, towing and off-road capability, storage, power-retractable rear window, reliability.	Fuel economy, agility, braking, unsettled ride, high step-in, long reach to some controls, too easy to turn off DRL.
Toyota Sienna	Haven't evaluated 2021 redesign yet.	
Toyota Supra Premium	Acceleration, transmission, handling, braking.	Access, visibility, ride, noise.
Toyota Tacoma SR5 (V6)	Resale value, off-road capability.	Ride, handling, braking, noise, driving position, seat comfort, too easy to turn off DRL.
Toyota Tundra SR5 (5.7L V8)	Powertrain, towing, low-effort tailgate, reliability.	Ride, visibility, braking, fuel economy, no full-time 4WD, too easy to turn off DRL.
Toyota Venza	Haven't evaluated new model yet.	

Make & Model	Highs	Lows
Toyota Yaris LE	Fuel economy, agility, reliability.	Noise levels, infotainment learning curve, tight rear seat, wet braking.
Volkswagen Arteon SEL (AWD)	Handling, braking, fit and finish, controls, hatchback versatility.	Engine noise.
Volkswagen Atlas SEL (V6)	Accommodations, third-row seat, nimbler than size suggests, ride, quietness, controls.	Reliability, acceleration trails competition.
Volkswagen Atlas Cross Sport SE (2.0T)	Interior room, access, controls.	Too wide for tight spaces.
Volkswagen Golf	Ride, handling, quietness, braking, easy infotainment system, hatchback versatility.	Relatively pricey.
Volkswagen GTI Autobahn	Agility, seat comfort, quiet cabin, hatchback versatility.	None.
Volkswagen Jetta SE	Fuel economy, controls, relatively roomy cabin.	Reliability, low dash vents.
Volkswagen Passat SE	Controls, rear seat, visibility.	Abrupt launch, on-limit handling.
Volkswagen Tiguan SE	Generous interior, easy controls, access, visibility.	Reliability, acceleration.
Volvo S60 T5 Momentum	Braking, quietness, front-seat comfort, fit and finish.	Ride, controls.
Volvo S90 T6 Momentum (AWD)	Seat comfort, fit and finish.	Reliability, ride comfort, coarse engine noise, unintuitive controls.
Volvo XC40 T5 Momentum	Interior ambiance, comfortable front seats.	Stiff ride, controls, annoying gear selector, engine noise.
Volvo XC60 T5 Momentum	Seat comfort, fit and finish, braking.	Stiff ride, maddening controls.
Volvo XC90 T6 Momentum	Quietness, seat comfort, fit and finish, visibility, braking, high-beam headlights.	Reliability, stiff ride, unintuitive controls.

Rating the 2021 Models

INCLUDED HERE ARE ratings on 236 vehicles that Consumer Reports has recently tested. Within each category, they are ranked by their Overall Score.

To earn our Recommendation , vehicles must do well in our Overall Score, which accounts for a vehicle's performance in our road tests; results from our reliability and owner satisfaction surveys; availability of standard frontal crash-prevention systems with forward collision warning (FCW), automatic emergency braking that operates at city (AEB city) and/or at highway speeds (AEB highway), a pedestrian detection system, and blind spot warning (BSW); and, if applicable, safety tests that were conducted by the government or the insurance industry.

Price as tested is the sticker price at the time of purchase of our test vehicle, including typical equipment.

Survey results include predicted reliability, which is our forecast of how well a new car will likely hold up based on its recent history from our Annual Auto Survey.

Owner satisfaction is the percentage of members who say they would definitely buy or lease their vehicle again.

Reliability and owner satisfaction predictions for new or redesigned models are based on the manufacturer's history, and the previous generation of the vehicle or similar models.

Our road-test score is based on results from more than 50 tests and evaluations at our 327-acre test facility including acceleration, braking, emergency handling, usability, fit and finish, noise, ride, and safety systems.

Overall MPG is what a vehicle achieved in CR's own fuel-economy tests, comprising a mix of city and highway driving.

Standout Models by Category

CARS

Subcompact & Compact \$14,000-\$22,000

Best Overall: Subcompact

Honda Fit

Toyota Yaris (sedan)

Best Overall: Compact

Subaru Impreza

Toyota Corolla (including Hybrid)

Kia Soul

Hyundai Elantra GT

Honda Civic

Mazda3

Nissan Sentra

Volkswagen Golf

Toyota Corolla Hatchback >



Fuel-Efficient

Honda Insight >

Toyota Prius

Toyota Corolla
(sedan, hybrid, and hatchback)



Electric Cars/Plug-In Hybrids

Kia Niro EV

Toyota Prius Prime

Chevrolet Bolt

Hyundai Kona Electric

Midsized \$22,000-\$33,000

Best Overall

Subaru Legacy

Toyota Camry >

Nissan Altima

Honda Accord

Mazda6

Hyundai Sonata



Fuel-Efficient

Toyota Camry (including Hybrid)

Honda Accord (including Hybrid)

Honda Clarity Plug-in Hybrid

Large \$35,000-\$45,000

Best Overall

Toyota Avalon Hybrid

Kia Cadenza

Nissan Maxima >

Chrysler 300



CARS *Continued*

Luxury Compact \$35,000-\$45,000

Best Overall

Audi A4 >

Volkswagen Arteon

Tesla Model 3

Genesis G70

Fun to Drive

Audi A4

Tesla Model 3



Luxury Midsize \$40,000-\$60,000

Best Overall

Lincoln MKZ

Lexus ES



Luxury Large \$70,000-\$110,000

Best Overall

BMW 750i

Tesla Model S >

Genesis G90

Great Value

Genesis G90



Sports Cars \$30,000-\$60,000+

Best Overall

Porsche 718 Boxster

BMW M240i >

Toyota Supra

Fun Coupes

Subaru BRZ

Toyota 86

Hyundai Veloster >

Volkswagen GTI

Roadsters

Porsche 718 Boxster

Mazda MX-5 Miata >



SUVs

Subcompact & Compact \$25,000–\$38,000

Best Overall: Subcompact

Subaru Crosstrek

Hyundai Kona >

Nissan Rogue Sport

Best Overall: Compact

Subaru Forester >

Mazda CX-5

Honda CR-V

Toyota RAV4

Fuel-Efficient

Subaru Crosstrek Hybrid

Subaru Forester

Honda CR-V Hybrid

Toyota RAV4 Hybrid

Sporty

Mazda CX-5



Midsized \$37,000–\$50,000

Best Overall (two-row)

Subaru Outback

Ford Edge >

Hyundai Santa Fe

Nissan Murano

Best Overall (three-row)

Kia Telluride

Hyundai Palisade

Toyota Highlander (V6 and Hybrid)

Mazda CX-9

Subaru Ascent >

Honda Pilot

Kia Sorento



Large \$55,000–\$75,000

Best Overall

Ford Expedition

Toyota Sequoia >



SUVs *Continued*

Luxury Compact \$30,000–\$50,000

Best Overall

Lexus NX
Lexus UX
Audi Q3
BMW X2
Volvo XC40 >
Infiniti QX50

Fuel-Efficient

Lexus NX 300h
Lexus UX 250h

Fun to Drive

Audi Q5
BMW X3 >
Porsche Macan



Luxury Midsize \$50,000–\$70,000

Best Overall (two-row)

Lexus RX
Audi E-Tron
Porsche Cayenne >

Best Overall (three-row)

Lexus RX 350L
Lexus GX
Infiniti QX60

Fuel-Efficient

Lexus RX 450h

Sporty

Porsche Cayenne



Luxury Large \$60,000–\$90,000

Best Overall

Toyota Land Cruiser >

PICKUP TRUCK

\$35,000–\$50,000+

Best Compact Pickup

Honda Ridgeline >
Ford Ranger



	Make & Model	Overall Score	Price	Survey Results	Road-Test Results
Rec.			As tested	Predicted reliability Owner satisfaction	Road-test score Overall mpg

CARS: COMPACT ELECTRICS

✓	Hyundai Kona Electric Limited	83	\$42,330	⬆️ ⬆️	76 120 ¹
✓	Kia Niro EV EX Premium	81	\$47,270	⬆️ ⬆️	81 112 ¹
✓	BMW i3 Giga Rex	71	\$51,095	⬆️ ⬆️	70 113 ¹ / 29 ²
✓	Chevrolet Bolt Premier	70	\$43,155	⬇️ ⬆️	76 119 ¹
	Nissan Leaf SL Plus	68	\$44,330	⬇️ ⬇️	73 104 ¹
	Toyota Mirai	66	\$58,335	⬆️ ⬆️	61 67 ¹
	Nissan Leaf SV	61	\$38,115	⬇️ ⬇️	62 112 ¹

CARS: COMPACT HYBRIDS AND PLUG-INS

✓	Toyota Prius LE	79	\$27,323	⬆️ ⬆️	75 52
✓	Toyota Prius Prime Premium	79	\$29,889	⬆️ ⬆️	74 133 ¹ / 50 ²
✓	Honda Insight EX	77	\$24,955	⬆️ ⬆️	73 54
✓	Toyota Corolla Hybrid LE	76	\$24,129	⬆️ ⬆️	69 48
	Hyundai Ioniq SEL	71	\$25,035	⬆️ ⬆️	67 52
	Kia Niro EX	63	\$26,805	⬇️ ⬆️	65 43

CARS: SMALL SEDANS

✓	Subaru Impreza Premium	79	\$23,410	⬆️ ⬇️	85 30
✓	Toyota Corolla LE	75	\$23,530	⬆️ ⬆️	68 33
✓	Nissan Sentra SV	73	\$21,400	⬇️ ⬇️	81 32
✓	Honda Civic LX	73	\$20,275	⬇️ ⬆️	76 32
✓	Honda Civic EX-T	72	\$23,035	⬇️ ⬆️	75 31
✓	Mazda3 Select	68	\$24,115	⬇️ ⬇️	75 30
✓	Kia Forte LXS	66	\$20,165	⬇️ ⬇️	67 34
✓	Toyota Yaris LE	65	\$17,570	⬆️ ⬇️	60 35
	Hyundai Accent SEL	63	\$18,435	⬇️ ⬇️	64 33
	Kia Rio S	59	\$17,220	⬇️ ⬇️	61 33
	Nissan Versa SV	58	\$18,980	⬇️ ⬇️	61 32
	Volkswagen Jetta SE	57	\$23,325	⬇️ ⬇️	78 34

⬇️ Miles-per-gallon equivalent (MPGe). ⬇️ Miles per gallon while running on gas engine.

	Make & Model	Overall Score	Price	Survey Results	Road-Test Results
Rec.			As tested	Predicted reliability Owner satisfaction	Road-test score Overall mpg

CARS: SMALL HATCHBACKS

✓	Kia Soul EX	81	\$25,320	⬆️ ⬆️	76 28
✓	Hyundai Elantra GT (2.0L)	81	\$23,265	⬆️ ⬆️	79 28
✓	Volkswagen Golf	79	\$25,315	⬇️ ⬆️	82 28
✓	Toyota Corolla Hatchback SE	76	\$24,263	⬆️ ⬇️	66 36
✓	Honda Fit EX	71	\$19,025	⬆️ ⬇️	67 33
	Hyundai Venue SEL	63	\$20,720	⬇️ ⬆️	61 32
	Nissan Kicks SV	61	\$21,050	⬇️ ⬇️	64 32
	Toyota C-HR XLE	61	\$23,892	⬇️ ⬇️	64 29
	Chevrolet Spark 1LT	48	\$16,660	⬇️ ⬇️	47 33
	Mitsubishi Mirage ES	31	\$16,050	⬇️ ⬇️	29 37
	Fiat 500L Pop	29	\$24,595	⬇️ ⬇️	50 27

CARS: MIDSIZED

✓	Subaru Legacy Premium	87	\$27,609	⬆️ ⬆️	89 28
✓	Toyota Camry Hybrid LE	86	\$28,949	⬆️ ⬆️	89 47
✓	Toyota Camry LE (4-cyl.)	84	\$26,364	⬆️ ⬆️	86 32
✓	Nissan Altima 2.5 SV	84	\$29,330	⬆️ ⬇️	81 31
✓	Honda Accord EX (1.5T)	82	\$28,345	⬇️ ⬆️	89 31
✓	Honda Accord Hybrid EX	82	\$29,780	⬇️ ⬆️	89 47
✓	Mazda6 Touring (2.5L)	80	\$26,590	⬆️ ⬆️	79 28
✓	Honda Clarity Plug-in	78	\$34,290	⬆️ ⬆️	74 110 ¹⁾ / 39 ²⁾
✓	Ford Fusion Titanium (2.0T)	73	\$33,180	⬇️ ⬆️	83 22
✓	Volkswagen Passat SE	73	\$28,080	⬇️ ⬆️	77 28
✓	Ford Fusion SE (1.5T)	72	\$27,720	⬇️ ⬆️	81 24
✓	Ford Fusion Hybrid SE	71	\$28,290	⬇️ ⬆️	80 39
	Chevrolet Malibu LT (1.5T)	57	\$26,790	⬇️ ⬇️	80 29

	Make & Model	Overall Score	Price	Survey Results	Road-Test Results
Rec.			As tested	Predicted reliability Owner satisfaction	Road-test score Overall mpg

CARS: LARGE

✓	Toyota Avalon Hybrid XLE	93	\$38,643	⬆️ ⬆️	93 42
✓	Kia Cadenza Technology	85	\$36,945	⬆️ ⬇️	91 24
✓	Nissan Maxima Platinum	80	\$41,995	⬆️ ⬇️	81 25
✓	Chrysler 300 C (V8)	79	\$45,650	⬆️ ⬆️	84 20
✓	Chrysler 300 Limited (V6)	78	\$38,335	⬆️ ⬆️	83 22
✓	Dodge Charger R/T Plus (V8)	73	\$40,375	⬇️ ⬆️	85 20
✓	Dodge Charger SXT (V6)	71	\$34,510	⬇️ ⬆️	82 22

CARS: LUXURY SMALL

✓	Audi A4 Premium Plus	87	\$48,890	⬆️ ⬆️	88 27
✓	Volkswagen Arteon SEL (AWD)	82	\$43,475	⬇️ ⬆️	91 24
✓	Genesis G70 Elite (2.0T, AWD)	82	\$43,115	⬆️ ⬆️	74 23
✓	Tesla Model 3 Long Range	80	\$59,000	⬇️ ⬆️	82 130 ⁽¹⁾
✓	Mercedes-Benz C300 (4MATIC)	76	\$47,560	⬇️ ⬇️	85 26
✓	Audi A3 Premium	72	\$31,495	⬆️ ⬇️	77 27
	Infiniti Q50 Luxe (AWD)	71	\$48,775	⬇️ ⬇️	85 22
	Kia Stinger Premium (2.0T, AWD)	68	\$40,400	⬇️ ⬆️	75 23
	Acura ILX Premium	64	\$30,820	⬆️ ⬇️	61 28
	Buick Regal Essence (2.0T, AWD)	64	\$39,715	⬇️ ⬆️	87 23
	Volvo S60 T5 Momentum	63	\$47,110	⬇️ ⬆️	71 26
	BMW 330i xDrive	63	\$52,995	⬇️ ⬇️	86 29
	Cadillac CT5 Luxury Premium (2.0T, AWD)	59	\$53,250	⬇️ ⬆️	78 24
	Mercedes-Benz CLA250 (4MATIC)	57	\$44,390	⬇️ ⬇️	65 27
	Mercedes-Benz A220 (4MATIC)	56	\$43,385	⬇️ ⬇️	64 27
	Jaguar XE Premium (25t AWD)	55	\$47,378	⬇️ ⬇️	69 25
	Alfa Romeo Giulia Ti (AWD)	51	\$48,890	⬇️ ⬆️	70 27

Ⓜ Miles-per-gallon equivalent (MPGe). Ⓜ Miles per gallon while running on gas engine.

	Make & Model	Overall Score	Price	Survey Results	Road-Test Results
Rec.			As tested	Predicted reliability Owner satisfaction	Road-test score Overall mpg

CARS: LUXURY MIDSIZED

✓	Lincoln MKZ (2.0T)	89	\$41,990	⬆️ ⬆️	88 23
✓	Lincoln MKZ Hybrid	89	\$41,990	⬆️ ⬆️	88 34
✓	Lexus GS350	87	\$58,858	⬆️ ⬆️	83 21
✓	Lexus ES350	87	\$48,855	⬆️ ⬆️	84 25
✓	Lincoln Continental Reserve (2.7T, AWD)	80	\$55,590	⬇️ ⬆️	83 20
✓	Mercedes-Benz E350 (4MATIC)	78	\$69,585	⬇️ ⬇️	85 24
	BMW 530i xDrive	73	\$65,210	⬇️ ⬆️	94 26
	Acura RLX Tech	72	\$55,345	⬇️ ⬇️	75 23
	Cadillac CT6 Luxury (3.6L, AWD)	70	\$64,485	⬇️ ⬇️	95 22
	Audi A6 Premium Plus (2.0T)	64	\$59,390	⬇️ ⬆️	93 26
	Volvo S90 T6 Momentum (AWD)	63	\$61,855	⬇️ ⬇️	73 23
	Jaguar XF Prestige (V6, AWD)	59	\$66,586	⬇️ ⬇️	83 21
	Maserati Ghibli S Q4	51	\$89,010	⬇️ ⬇️	71 19

CARS: ULTRA LUXURY

✓	BMW 750i xDrive	86	\$110,645	⬇️ ⬆️	99 21
✓	Tesla Model S Long Range	83	\$100,200	⬇️ ⬆️	97 102 ⁽¹⁾
✓	Genesis G90 Premium (3.3T, AWD)	82	\$71,550	⬇️ ⬆️	89 18
	Mercedes-Benz S560 (4MATIC)	74	\$114,475	⬇️ ⬆️	96 18
	Audi A8 3.0T	66	\$97,595	⬇️ ⬆️	96 21
	Lexus LS500 (AWD)	52	\$103,899	⬇️ ⬇️	72 20

SPORTS CARS

✓	Porsche 718 Boxster Base	88	\$69,790	⬆️ ⬆️	95 26
✓	BMW M240i	87	\$50,400	⬇️ ⬆️	98 25
✓	Mazda MX-5 Miata Club	86	\$29,905	⬆️ ⬆️	80 34
✓	Subaru BRZ Premium	82	\$27,117	⬆️ ⬆️	79 30

	Make & Model	Overall Score	Price	Survey Results	Road-Test Results
Rec.			As tested	Predicted reliability Owner satisfaction	Road-test score Overall mpg

SPORTS CARS *Continued*

✓	Toyota 86	81	\$25,025	⬆️ ⬆️	78 30
✓	Toyota Supra Premium	80	\$56,115	⬇️ ⬆️	91 27
✓	Volkswagen GTI Autobahn	80	\$31,730	⬇️ ⬆️	82 29
✓	Hyundai Veloster Turbo R-Spec	80	\$23,785	⬆️ ⬆️	83 29
✓	Mini Cooper S	79	\$29,945	⬆️ ⬇️	80 30
✓	Audi TT 2.0T	78	\$50,600	⬆️ ⬆️	84 26
✓	BMW Z4 sDrive 30i	76	\$59,195	⬇️ ⬆️	86 29
✓	Dodge Challenger R/T Plus (V8)	72	\$40,860	⬆️ ⬆️	70 20
✓	Ford Mustang GT Premium (V8)	72	\$43,295	⬇️ ⬆️	84 19
✓	Nissan Z Touring	69	\$38,565	⬇️ ⬇️	81 23
✓	Ford Mustang Premium (2.3T)	66	\$33,080	⬇️ ⬆️	76 25
	Fiat 124 Lusso	64	\$29,985	⬇️ ⬇️	76 31
	Subaru WRX Premium	61	\$29,742	⬇️ ⬇️	75 26
	Chevrolet Camaro SS (V8)	53	\$47,020	⬇️ ⬆️	85 20

MINIVANS

	Kia Sedona EX	67	\$34,795	⬇️ ⬇️	70 20
	Honda Odyssey EX-L	61	\$40,300	⬇️ ⬇️	85 22
	Chrysler Pacifica Hybrid Platinum	61	\$48,380	⬇️ ⬇️	88 84 ⁽¹⁾ / 27 ⁽²⁾
	Chrysler Pacifica Touring L	59	\$38,245	⬇️ ⬇️	85 21

SUVs: SMALL

✓	Subaru Crosstrek Premium	85	\$25,905	⬆️ ⬆️	87 29
✓	Subaru Forester Premium	84	\$29,341	⬇️ ⬆️	90 28
✓	Mazda CX-5 Touring	84	\$29,530	⬆️ ⬆️	80 24
✓	Subaru Crosstrek Hybrid Premium	82	\$36,685	⬆️ ⬆️	90 ⁽¹⁾ / 33 ⁽²⁾

⬇️ Miles-per-gallon equivalent (MPGe). ⬆️ Miles per gallon while running on gas engine.

	Make & Model	Overall Score	Price	Survey Results		Road-Test Results	
Rec.			As tested	Predicted reliability	Owner satisfaction	Road-test score	Overall mpg
SUVs: SMALL <i>Continued</i>							
✓	Hyundai Kona SEL (2.0L)	78	\$25,025	⬆	⬆	71	26
✓	Nissan Rogue Sport SV	78	\$25,655	⬆	⬇	72	26
✓	Honda CR-V EX	77	\$28,935	⬇	⬆	82	28
✓	Chevrolet Equinox LT (1.5T)	76	\$33,730	⬆	⬇	78	25
✓	Honda CR-V Hybrid EX	75	\$31,380	⬇	⬆	80	35
✓	Kia Sportage LX (2.4L)	75	\$26,720	⬇	⬇	78	23
✓	Toyota RAV4 Hybrid XLE	75	\$34,193	⬇	⬇	76	37
✓	Mazda CX-3 Touring	73	\$25,800	⬆	⬇	64	28
✓	Toyota RAV4 XLE (2.5L)	72	\$32,109	⬇	⬇	72	27
	GMC Terrain SLE (2.0T)	69	\$36,950	⬆	⬇	67	22
	Kia Seltos S (2.0L)	68	\$24,820	⬇	⬆	72	28
	Ford EcoSport SES (2.0L)	68	\$28,130	⬆	⬇	61	24
	Hyundai Tucson SE (2.0L)	68	\$25,920	⬇	⬇	76	24
	Ford Escape Hybrid Sport	67	\$34,740	⬇	⬆	82	34
	Hyundai Tucson SEL (2.4L)	67	\$28,530	⬇	⬇	75	22
	Honda HR-V LX	66	\$22,045	⬆	⬇	66	29
	Ford Escape SE (1.5T)	62	\$32,600	⬇	⬆	73	26
	Mazda CX-30 Preferred	61	\$28,645	⬇	⬇	64	27
	Volkswagen Tiguan SE	61	\$31,645	⬇	⬇	84	25
	Mitsubishi Outlander SEL (4-cyl.)	54	\$28,405	⬇	⬇	59	24
	Chevrolet Trax LT	53	\$25,560	⬇	⬇	55	25
	Mitsubishi Eclipse Cross SE	52	\$28,470	⬇	⬇	57	24
	Jeep Cherokee Limited (2.0T)	52	\$37,655	⬇	⬇	68	23
	Jeep Compass Latitude	51	\$30,870	⬇	⬇	56	24
	Jeep Renegade Latitude	48	\$27,525	⬇	⬇	56	24
	Fiat 500X Pop	35	\$26,600	⬇	⬇	50	23

	Make & Model	Overall Score	Price	Survey Results	Road-Test Results
Rec.			As tested	Predicted reliability Owner satisfaction	Road-test score Overall mpg

SUVs: MIDSIZED (2-ROW)

✓	Subaru Outback Limited XT	87	\$39,572	⬆️ ⬆️	91 24
✓	Ford Edge SEL (2.0T)	79	\$42,610	⬇️ ⬇️	84 22
✓	Hyundai Santa Fe Limited (2.0T)	78	\$37,200	⬇️ ⬆️	80 21
✓	Nissan Murano SL	75	\$42,065	⬆️ ⬇️	77 21
	Jeep Grand Cherokee Limited (V6)	70	\$41,375	⬇️ ⬆️	80 18
	Chevrolet Blazer Leather (V6)	68	\$43,290	⬇️ ⬆️	83 19
	Toyota 4Runner SR5	65	\$37,425	⬆️ ⬆️	55 18
	Honda Passport EX-L	59	\$39,937	⬇️ ⬆️	79 21
	Jeep Wrangler Sahara (4-door)	28	\$48,400	⬇️ ⬆️	36 18

SUVs: MIDSIZED (3-ROW)

✓	Kia Telluride EX	92	\$40,855	⬆️ ⬆️	97 21
✓	Hyundai Palisade SEL	87	\$43,415	⬆️ ⬆️	88 21
✓	Toyota Highlander XLE (V6)	86	\$42,843	⬆️ ⬆️	86 22
✓	Mazda CX-9 Touring	86	\$40,470	⬆️ ⬆️	80 22
✓	Toyota Highlander Hybrid XLE	85	\$44,463	⬆️ ⬆️	84 35
✓	Subaru Ascent Limited	82	\$43,867	⬇️ ⬆️	93 22
✓	Honda Pilot EX-L	75	\$40,655	⬇️ ⬇️	80 20
✓	Kia Sorento EX (V6)	74	\$41,925	⬆️ ⬇️	78 22
	Ford Explorer XLT (2.3T)	69	\$49,940	⬇️ ⬆️	78 21
	Nissan Pathfinder SL	68	\$40,470	⬇️ ⬇️	72 18
	Chevrolet Traverse Premier	65	\$49,945	⬇️ ⬆️	95 20
	Dodge Durango GT (V6)	63	\$43,525	⬇️ ⬆️	83 18
	Volkswagen Atlas SEL (V6)	61	\$44,165	⬇️ ⬇️	84 20

SUVs: LARGE

✓	Toyota Sequoia Limited	73	\$54,005	⬆️ ⬆️	60 15
✓	Ford Expedition MAX Limited	73	\$75,430	⬇️ ⬆️	73 16
	Nissan Armada Platinum	63	\$63,020	⬇️ ⬇️	69 14

	Make & Model	Overall Score	Price	Survey Results		Road-Test Results	
Rec.			As tested	Predicted reliability	Owner satisfaction	Road-test score	Overall mpg
SUVs: LUXURY SMALL							
✓	Porsche Macan S	82	\$63,290	⬆	⬆	84	19
✓	Lexus NX300	80	\$43,284	⬆	⬇	74	24
✓	Lexus UX250h	80	\$37,740	⬆	⬆	71	37
✓	BMW X3 xDrive30i	78	\$53,745	⬇	⬆	92	24
✓	Lexus NX300h	78	\$51,224	⬆	⬇	71	29
✓	Infiniti QX50 Essential	75	\$51,380	⬇	⬇	77	22
✓	Audi Q5 Premium Plus	74	\$51,570	⬇	⬆	83	24
✓	BMW X2 xDrive28i	74	\$45,895	⬆	⬇	77	25
✓	Mercedes-Benz GLC300	72	\$50,280	⬇	⬇	79	22
✓	Volvo XC40 T5 Momentum	73	\$41,510	⬆	⬆	71	24
✓	BMW X1 xDrive28i	72	\$44,745	⬆	⬇	74	26
✓	Volvo XC60 T5 Momentum	71	\$50,040	⬇	⬇	79	23
✓	Buick Encore Preferred	71	\$30,555	⬆	⬇	69	23
	Mini Cooper Countryman S	69	\$39,535	⬇	⬆	82	25
	Mercedes-Benz GLB250	68	\$47,435	⬇	⬇	81	26
	Lincoln Corsair Reserve (2.0T)	67	\$50,870	⬇	⬆	82	23
	Alfa Romeo Stelvio Ti	67	\$52,040	⬇	⬇	74	24
	Buick Envision Premium	65	\$45,380	⬇	⬇	69	21
	Buick Encore GX Select (1.3T)	63	\$33,145	⬇	⬇	67	26
	Acura RDX Tech	61	\$43,995	⬇	⬇	82	22
	Jaguar E-Pace S	55	\$48,070	⬇	⬇	69	21
	Jaguar F-Pace Prestige	54	\$53,895	⬇	⬇	72	20
	Land Rover Range Rover Velar S	54	\$59,503	⬇	⬇	76	21
	Cadillac XT4 Premium Luxury	52	\$49,430	⬇	⬇	78	23
	Land Rover Range Rover Evoque SE	45	\$56,997	⬇	⬇	58	20

	Make & Model	Overall Score	Price	Survey Results	Road-Test Results
Rec.			As tested	Predicted reliability Owner satisfaction	Road-test score Overall mpg

SUVs: LUXURY MIDSIZED (2-ROW)

✓	Porsche Cayenne Base	88	\$79,280	⬆️	⬆️	87	21
✓	Lexus RX450h	82	\$57,565	⬆️	⬆️	80	29
✓	Audi E-Tron Premium Plus	81	\$80,450	⬆️	⬆️	84	74 ¹
✓	Lexus RX350	80	\$51,630	⬆️	⬆️	77	22
	BMW X5 xDrive40i	72	\$68,730	⬇️	⬆️	98	23
	Mercedes-Benz GLE450	69	\$75,090	⬇️	⬆️	80	20
	Cadillac XT5 Luxury	64	\$51,025	⬇️	⬇️	76	20
	Lincoln Nautilus Reserve (2.7T)	63	\$54,945	⬇️	⬆️	84	18
	Jaguar I-Pace HSE	61	\$86,841	⬇️	⬆️	76	76 ¹
	Land Rover Discovery Sport SE	44	\$49,895	⬇️	⬇️	58	21

SUVs: LUXURY MIDSIZED (3-ROW)

✓	Lexus RX350L	81	\$56,518	⬆️	⬆️	80	20
✓	Lexus GX460 Premium	79	\$58,428	⬆️	⬇️	70	17
✓	Infiniti QX60 Luxe	78	\$51,920	⬆️	⬇️	79	19
✓	Buick Enclave Premium	76	\$55,680	⬇️	⬆️	87	18
	Lincoln Aviator Reserve (3.0T)	72	\$64,920	⬇️	⬆️	82	19
	Audi Q7 Premium Plus	72	\$71,010	⬇️	⬆️	92	20
	GMC Acadia Denali	70	\$51,585	⬇️	⬇️	83	19
	Volvo XC90 T6 Momentum	63	\$56,805	⬇️	⬆️	84	20
	Acura MDX Tech	58	\$51,410	⬇️	⬇️	80	21
	Tesla Model X Long Range	57	\$109,200	⬇️	⬆️	77	87 ¹
	Cadillac XT6 Premium Luxury	56	\$62,515	⬇️	⬇️	82	18
	Land Rover Range Rover Sport HSE (3.0L)	54	\$74,040	⬇️	⬆️	72	18
	Land Rover Discovery HSE	51	\$69,260	⬇️	⬇️	71	17

Miles-per-gallon equivalent (MPGe).

	Make & Model	Overall Score	Price	Survey Results	Road-Test Results
Rec.			As tested	Predicted reliability Owner satisfaction	Road-test score Overall mpg

SUVs: LUXURY LARGE

✓	Toyota Land Cruiser	74	\$84,820	⬆️ ⬆️	68 14
	Mercedes-Benz GLS450	71	\$89,030	⬇️ ⬆️	86 20
	BMW X7 xDrive40i	70	\$84,095	⬇️ ⬆️	94 22
	Infiniti QX80 Luxe	67	\$63,395	⬇️ ⬇️	68 15
	Lincoln Navigator Select	65	\$86,480	⬇️ ⬆️	65 16
	Land Rover Range Rover HSE (3.0L)	54	\$88,545	⬇️ ⬇️	78 17

PICKUP TRUCKS: COMPACT

✓	Honda Ridgeline RTL	76	\$36,480	⬇️ ⬆️	83 20
✓	Ford Ranger XLT	65	\$40,355	⬆️ ⬆️	55 20
	Toyota Tacoma SR5 (V6)	47	\$34,364	⬇️ ⬇️	42 19
	Jeep Gladiator Sport	46	\$46,405	⬇️ ⬆️	52 18
	Chevrolet Colorado LT (V6)	37	\$34,300	⬇️ ⬇️	61 18
	GMC Canyon SLE (V6)	37	\$35,835	⬇️ ⬇️	61 18
	Chevrolet Colorado LT (diesel)	36	\$39,295	⬇️ ⬇️	60 24
	GMC Canyon SLE (diesel)	36	\$40,895	⬇️ ⬇️	60 24

PICKUP TRUCKS: FULL-SIZED

	Toyota Tundra SR5 (5.7L V8)	62	\$44,245	⬆️ ⬆️	59 15
	Ram 1500 Big Horn (5.7L V8)	58	\$53,120	⬇️ ⬆️	83 17
	Nissan Titan SV (V8)	58	\$44,370	⬇️ ⬇️	70 16
	Ford F-150 XLT (2.7T)	57	\$52,535	⬇️ ⬆️	74 19
	Chevrolet Silverado 1500 LT (diesel)	55	\$53,655	⬇️ ⬆️	78 23
	GMC Sierra 1500 SLE (diesel)	55	\$55,100	⬇️ ⬆️	78 23
	Chevrolet Silverado 1500 LT (5.3L V8)	55	\$50,225	⬇️ ⬆️	78 17
	GMC Sierra 1500 SLE (5.3L V8)	55	\$52,100	⬇️ ⬆️	78 17

Best and Worst Used Cars

NEED NEW WHEELS but don't want to spend a fortune? Buying used is a good way to get the biggest bang for your buck. It's simple: After one year a new car has likely depreciated more than 20 percent off of its sticker price; after three years, it may be worth barely half its sticker price.

But picking out a good used car from the sea of bad ones has never been easy. You want a vehicle that's reliable, affordable, and equipped with modern safety features. You also want to make sure it's been maintained properly, and that it hasn't been in a crash.

The process can feel overwhelming, but it doesn't have to be. We've created this handy guide to help you find the small cars, sedans, and SUVs that are most likely to fulfill your needs without breaking

down and soaking you in repair bills.

In the Reliable list, each model performed well in our road tests when it was new and had above-average reliability for the model years shown. In addition, each offered electronic stability control (ESC) as a standard feature.

In addition to the cars we recommend, we also included lists of used cars that proved to be particularly troublesome—and that you should avoid considering.

Even for the used cars that we recommend, there can be stinkers—because of a bad day at the factory or a former owner who didn't care much for car maintenance and ended up neglecting the car. That's why you should pay for a thorough inspection by a certified mechanic before you sign on the dotted line, so there are no surprises down the road.

Best of the Best Used Cars

UNDER \$10,000

COMPACT CARS

Mazda3 2011-14

Nissan Leaf 2011-13, '15

The Mazda is a fun to drive and reliable option, with nimble handling, but a ride that is firm. ESC was standard in 2011.

The Leaf is a very affordable electric vehicle, with a typical range of 75 miles.

MIDSIZE CARS

Mazda6 2010

Mazda's midsize sedan is a sporty four-door, with nimble handling, good steering feel, and a supple ride. Reliability is excellent and the four-cylinder engine is fuel-efficient. ESC is standard.

\$10,000-15,000

SUBCOMPACT CARS

Honda Fit 2016-17

Although it's a bit noisy, the Fit is reliable, fuel-efficient transportation, and a flexible interior makes it a practical choice.

COMPACT CARS

Toyota Corolla 2015-17

The Corolla's dependable, fuel-efficient transportation is its strength. There's nothing flashy, but the interior is comfortable and roomy. ESC and curtain airbags are standard.

MIDSIZE CARS

Acura TSX 2012-13

Toyota Camry 2013-15

You can stick to your budget and still get a reliable premium car if you choose the slick-handling TSX. The Camry is a solid choice because of its outstanding reliability, strong value, and fuel-efficient powertrains.

SMALL SUVs

Toyota RAV4 2012-14

The RAV4 is available with fuel-efficient four- and six-cylinder engines. It's great for urban and suburban families, with nimble and secure handling.



Honda Fit

Toyota Prius

**MIDSIZED SUVS****Acura RDX 2013**

The RDX has a host of standard safety features, including ESC, and side and head-protection airbags. The SUV is agile, but has a stiff ride. But reliability is very good.

\$15,000-20,000**COMPACT CARS****BMW i3 2017****Toyota Prius 2016-17**

The i3 is a four-seat EV that's best for urban use. An optional gas engine expands its range from 70 to 150 miles. The Prius proves that you don't have to give up space or ride comfort to get stellar gas mileage—its 44 mpg overall is better than any non-plug-in vehicle.

MIDSIZED & LARGE CARS**Chevrolet Impala 2018-19****Lexus CT 200h 2015**

Consider the Impala a steal. Its roomy interior, responsive handling, plush ride, and easy-to-use controls make it a standout choice. The Lexus CT is based on the Prius, but with a nicer interior and more responsive handling. Reliability is excellent, but the car has a small rear seat and cargo area.

WAGONS**Toyota Venza 2015**

Part wagon, part SUV, the Venza has a quiet interior, a roomy rear seat, and a generous cargo area. Handling is secure, though not sporty. Reliability is rock-solid.

SMALL & MIDSIZED SUVS**Nissan Rogue Sport 2017-19****Toyota 4Runner 2010-12**

The Nissan's four-cylinder engine is relatively fuel-efficient. It's great for families and its nimble, secure handling is a plus. On the other hand, the 4Runner is a serious off-roader with a well-finished and quiet interior, smooth V6 or V8 engine, and an available third-row seat.

\$20,000-25,000**SEDANS****Toyota Avalon 2017-18****Lexus LS 2013**

For less than the price of a new sedan, you can buy one of these slightly older models. The Avalon features a generously sized cabin, luxury features, and an available hybrid powertrain for a non-luxury price. The LS is a competent cruiser that floats over bumps and ruts. It's supremely comfortable, emphasizing quietness and luxury over sportiness.

WAGONS

Toyota Prius V 2017

Volvo XC70 2016

Longer and more versatile than a standard Prius, the V still returns excellent fuel economy despite its extra weight and larger size. This efficient hybrid takes the best attributes of the Prius, but adds a roomier rear seat and expanded cargo capability. The Volvo is very comfortable, relatively enjoyable to drive, and has a raised ride height for use on gravel roads.

SMALL & MIDSIZED SUVS

Mazda CX-5 2018-19

Toyota Highlander 2015-16

Mazda's small SUV is one of the sportier offerings. It has taut, agile handling and well-weighted steering, although the ride is choppy and the cabin gets loud. Reliability is very good. The Highlander is a roomy three-row SUV available with four- and six-cylinder gas engines as well as V6-powered hybrid version. It has a quiet interior, room for seven, straightforward controls, and top-notch reliability.

PICKUPS

Honda Ridgeline 2014

It might not look as rugged as some trucks, but the Ridgeline is an excellent alternative to a traditional pickup truck. It has a car-like ride, an innovative composite cargo bed, a lockable weatherproof trunk under the bed, and a powerful V6. It isn't

designed for serious off-roading or hauling, and its fuel economy isn't better than larger trucks, but if you don't need to tow more than 5,000 pounds, consider buying the Ridgeline.

\$25,000-30,000

MIDSIZED & LARGE CARS

Lexus ES 2017

Lexus GS 2016

The ES is based on the reliable Toyota Camry and adds luxury appointments, road-trip-worthy front seats, and a quiet cabin. The GS is a true sports sedan yet has a supple ride. Its roomy, comfortable, and luxurious cabin is an excellent place to spend time as the miles tick by.

MIDSIZED & LARGE SUVS

Lexus RX 2016

The RX offers a cabin that is quiet, comfortable, and luxurious; fuel-efficient gas and hybrid powertrains, and a plush ride. Reliability is stellar.

PICKUPS

Toyota Tundra 2018

Among full-sized pickups, the Tundra is a reliable option. There's plenty of power from the V8 engine, off-road prowess and towing capability are impressive, and fuel economy is competitive. The damped tailgate is a nice convenience feature.

Toyota
Tundra



Used Cars to Avoid

Acura MDX '16-19;
RDX '19; TLX '16

Alfa Romeo
Giulia '17

Audi A4 '10-11, '16;
A5 '12; A6 '18-19;
A8 '15; Q5 '13; Q7
'15, '17; Q8 '19

BMW 3 Series
'10-11, '19; 5 Series
'11-14, '17-18; X1 '13;
X3 '11-13, '15, '18;
X5 '11-14, '19

Buick Enclave
'10-13; Encore
'14-15. Envision
'17; LaCrosse '10;
Regal '11

Cadillac ATS '16;
CT6 '17; CTS '17;
Escalade '16; SRX
'10-12, '14; XT4 '19;
XT5 '17; XTS '13-14

Chevrolet
Camaro '17-18;
Colorado '17-19;
Corvette '18;
Cruze '11-15;
Equinox '10-
11; Impala '10;
Malibu '11, '13,
'16, '18; Silverado
1500 '17, '19;
Silverado 1500
LD '19; Sonic '13;

Suburban '15-16;
Tahoe '15-16;
Traverse '10-11,
'13, '15, '18-19;
Trax '15-16

Chrysler 200 '11,
'15; Pacifica '17-18;
Town & Country
'10-11;

Dodge Durango
'13, '18; Grand
Caravan '10-11;
Journey '12

Fiat 500 '12-13

Ford Expedition
'10, '16; Explorer '13-14, '16-17, '19;
F-150 '15, '17-19;
F-250 '19; F-350
'16; Fiesta '11-12, '14;
Flex '14; Focus '12-
18; Mustang
'15-16; Taurus '16

Genesis G90 '18

GMC Acadia
'10-15;
Canyon '17-19;
Sierra 1500 '17, '19;
Sierra 1500
Limited '19;
Terrain '10-11;
Yukon '15-16;
Yukon XL '15-16

Honda HR-V
'19; Odyssey '18;
Passport '19

Hyundai Genesis
'10; Santa Fe '13;
Sonata '11-12, '18;
Tucson '16-17

Infiniti Q50 '15, '17;
QX60 '14-16

Jeep Cherokee
'14-17, '19;
Compass '18;
Grand Cherokee
'11, '13-14; Liberty
'12; Patriot '14;
Renegade '15-16,
'18; Wrangler '10,
'12-14, '16, '18-19;
Wrangler JK '18

Kia Forte '14, '17;
Niro '19; Optima
'12; Sportage '13

Lexus LS '18

Lincoln Nautlius '19

Mazda CX-3 '16

Mercedes-Benz
C-Class '15; GLC
'16; M-Class '11;
S-Class '18

Mini Cooper
'10-12; Cooper
Clubman '10-12;
Cooper
Countryman
'12, '19

Mitsubishi
Outlander '18;
Outlander Sport
'18

Nissan Leaf '18;
Pathfinder '13-16;
Sentra '13; Titan
'17; Versa Note '14

Porsche Cayenne
'14, '16-17

Ram 1500 '15, '19;
2500 '14-17; 3500
'17-18

Scion FR-S '13

Subaru BRZ '13;
Impreza '10, '13;
XV Crosstrek '13

Tesla Model X
'16-18

Toyota C-HR '18;
Tacoma '18

Volkswagen Atlas
'18-19; Beetle
'14-15; GTI '12, '15;
Jetta '13; Jetta
SportWagen '11;
Tiguan '12-13, '16,
'18-19

Volvo S60 '13-14;
V60 '15; XC60 '15,
'19; XC90 '16-19

Reliable Used Cars for Every Budget

THESE ARE THE most reliable 2010 to 2019 models available, according to our Annual Auto Survey. The list on these pages shows vehicles in five price categories, ranging from \$5,000 to \$30,000. Each vehicle tested well when new and has had above-average reliability.

To help you buy the newest vehicle, with

the most up-to-date safety features, that your budget allows, electronic stability control (ESC)—an important safety feature—is standard equipment for the model years that are listed.

Models highlighted in dark gray have multiple years of much-better-than-average reliability, according to our survey.

Make & Model	Prices				
	\$5K- \$10K	\$10K- \$15K	\$15K- \$20K	\$20K- \$25K	\$25K- \$30K

CARS: SUBCOMPACT

Honda Fit	'11-13	'16-17	'18-19	—	—
Nissan Versa Note	'15-16	—	—	—	—
Toyota Prius C	'12-14	'15-16	—	—	—
Toyota Yaris	'10	—	—	—	—
Toyota Yaris iA	—	'17	—	—	—

CARS: COMPACT

Chevrolet Volt	'12	'14	'16	—	—
Ford C-Max	—	'17	'18	—	—
Honda Civic	'11, '12	'13-15	—	—	—
Honda Insight	'10*	—	'19	—	—
Hyundai Elantra	'14	'17	'19	—	—
Hyundai Elantra GT	—	—	'18	—	—
Hyundai Ioniq	—	—	'18	'19	—
Kia Forte	'10	'16	—	—	—
Kia Niro	—	—	'17	'18	—
Kia Soul	'10-11,'13	'15, '17	'18-19	—	—
Mazda3	'11-14	'15-16	'17-18	—	—
Mini Cooper Clubman	—	—	'16	'18	'19
Nissan Leaf	'11-13,'15	'16-17	—	—	—
Scion xB	'12	'15	—	—	—
Subaru Impreza	—	'16	'18-19	—	—
Toyota Corolla	'10-14	'15-17	'18	—	—
Toyota Matrix	'10	—	—	—	—
Toyota Prius	'10-12	'13-15	'16-17	'18-19	—
Toyota Prius Prime	—	—	—	'17-18	'19
Volkswagen Jetta	—	'16	'18	—	—

Make & Model	Prices				
	\$5K- \$10K	\$10K- \$15K	\$15K- \$20K	\$20K- \$25K	\$25K- \$30K

CARS: MIDSIZED AND LARGE

Chevrolet Impala	—	'14–15	'18–19	—	—
Chevrolet Malibu	'12	'15	—	—	—
Ford Fusion	'12	'16	—	—	—
Ford Taurus	'11	'13–14	'15	—	—
Honda Accord	'10–12	'13–14	'15–17	—	—
Hyundai Azera	'12–13	'14	—	—	—
Hyundai Sonata	—	'15	'16	—	—
Kia Optima	—	'15	—	'19	—
Mazda6	'10	'15	'16–18	—	—
Nissan Altima	'11–12	—	'17	'19	—
Nissan Maxima	'10–11	'14	'16	'17	—
Subaru Legacy	'11–12	'13–14	'16–17	'19	—
Toyota Avalon	'10–11	'12–14	'15–16	'17–18	'19
Toyota Camry	'10–12	'13–15	'16–17	'18–19	—
Volkswagen Passat	—	'16	'17–18	—	—

CARS: LUXURY

Acura TL	'10	'12–13	'14	—	—
Acura TSX	'10–11	'12–13	—	—	—
Audi A4	—	—	—	'17	'18–19
BMW i3	—	'14–15	'17	—	—
BMW 3 Series	—	—	—	'16–17	'18
Buick LaCrosse	—	'15	'16	—	—
Buick Regal	—	'15	'16	—	—
Buick Verano	'13	'14	—	—	—
Genesis G80	—	—	—	—	'17
Hyundai Genesis	'11	'13	—	'16	—
Infiniti G	'10–12	'13	—	—	—
Infiniti M/Q70	—	'11–12	—	'15	—
Lexus CT 200h	'11	'12–13	'15	—	—
Lexus ES	'10	'11–13	'14–15	'16	'17
Lexus GS	—	—	'13	'14–15	'16
Lexus HS Hybrid	'10	—	—	—	—
Lexus IS	—	'10–12	'14	'15–16	'17
Lexus LS	—	'10	'11–12	'13	'14
Lincoln MKZ	'11–12	—	'16	'17–18	'19
Mercedes-Benz C-Class	—	'13–14	—	'16	—
Mercedes-Benz E-Class	—	'10, '12	'14–15	'16	—
Volvo S60	—	—	—	'17–18	—

Make & Model	Prices				
	\$5K- \$10K	\$10K- \$15K	\$15K- \$20K	\$20K- \$25K	\$25K- \$30K

SPORTS CARS/CONVERTIBLES

Audi A5	—	'13-14	'15	'16	—
BMW 2 Series	—	—	—	'16	—
BMW 4 Series	—	—	—	'16	'18
Chevrolet Camaro	—	'10	'15	—	—
Ford Mustang	—	'11-12	—	—	—
Mazda MX-5 Miata	—	'12-14	'15-17	'18-19	—
Mini Cooper	—	—	'16	'18-19	—
Porsche Boxster	—	—	—	—	'13-14
Subaru BRZ	—	—	—	'17	—
Toyota 86	—	—	—	'17	—

WAGONS AND MINIVANS

Honda Accord Crosstour	'10	—	—	—	—
Honda Crosstour	—	'12	—	—	—
Honda Odyssey	—	—	'15	'16	—
Kia Sedona	'12	—	'16	'17	—
Mazda5	'13-14	'15	—	—	—
Subaru Outback	'11	'14	'16	'17	'19
Toyota Prius V	—	'12-14	'15-16	'17	—
Toyota Sienna	'10-11	'12-13	'15-16	'18	'19
Toyota Venza	'10	'11-14	'15	—	—
Volvo XC70	—	'12-13	'15	'16	—

SUVs: SMALL

Audi Q3	—	—	—	'16	'17-18
Ford Escape	—	'15	'18	'19	—
Honda CR-V	'10-11	'12-14	'15-16	'19	—
Honda Element	'10	'11	—	—	—
Honda HR-V	—	—	'16-18	—	—
Hyundai Kona	—	—	'18	'19	—
Hyundai Tucson	'11,'13	'14-15	—	'19	—
Kia Sportage	—	'15	'18	—	—
Mazda CX-3	—	—	'17-18	—	—
Mazda CX-5	—	'13-15	'16-17	'18-19	—
Nissan Rogue	'13	—	'17-18	—	—
Nissan Rogue Sport	—	—	'17-19	—	—
Subaru Forester	—	—	'16	'18	—

Make & Model	Prices				
	\$5K- \$10K	\$10K- \$15K	\$15K- \$20K	\$20K- \$25K	\$25K- \$30K

SUVs: SMALL *Continued*

Subaru Crosstrek	—	—	—	'18–19	—
Toyota RAV4	'10–11	'12–14	'15–18	—	—

SUVs: MIDSIZED AND LARGE

Acura MDX	—	'10,'12	'13–14	—	—
Acura RDX	'10	'13	'14–15	'16–17	'18
BMW X1	—	—	'15	'17	—
BMW X3	—	—	—	'16	'17
Buick Encore	—	'16	'17–19	—	—
Buick Envision	—	—	—	'18	'19
Chevrolet Equinox	—	'14,'16	'17–18	'19	—
Chevrolet Tahoe	—	'11–12	'13	—	—
Ford Edge	—	'14	'15	—	—
Ford Flex	—	—	'16	'18	—
GMC Terrain	—	'14	'16–17	'18–19	—
GMC Yukon	—	'11	'12–13	—	—
Honda Pilot	—	'11	'14–15	—	'18
Hyundai Santa Fe	—	—	'16	'17–18	—
Hyundai Santa Fe Sport	—	'14	'16–17	'18	—
Infiniti QX50	—	—	'16	'17	—
Infiniti QX60	—	—	—	—	'17–18
Kia Sorento	—	—	'17	'18–19	—
Lexus GX	—	—	—	—	'14–15
Lexus NX	—	—	—	'15	'16–17
Lexus RX	—	'10–11	'12–14	'15	'16
Lincoln MKC	—	—	—	'17	'19
Lincoln MKX	—	'13	—	'17–18	—
Mazda CX-9	—	'14–15	—	'17	'18–19
Nissan Murano	'12–13	'14	—	'18	'19
Toyota 4Runner	—	—	'10–12	'13–15	'16–17
Toyota Highlander	—	'10–12	'13–14	'15–16	'17–18
Volvo XC60	'10–11	'12	—	—	'17

PICKUP TRUCKS

Ford Ranger	'11	—	—	—	'19
Honda Ridgeline	—	'10–12	'13	'14	—
Nissan Frontier	'10–11	'12–14	'15–16	—	—
Toyota Tacoma	'10	'11–13	'14–15	'19	—
Toyota Tundra	—	'10–12	'13–15	'16	'18

Detailed Used Car Reliability

THESE CHARTS GIVE you a model's complete reliability picture for its used versions (2014 through 2019 model years). The detailed reliability ratings are based on our Annual Car Reliability Survey, for which we received responses on about 420,000 vehicles.

The Annual Car Reliability Survey is sent to subscribers of Consumer Reports and ConsumerReports.org. Respondents reported on any serious problems they had with their vehicles in any of the trouble spots included in the following

charts, during the previous 12 months.

These were considered serious because of cost, failure, safety, or downtime. Because high-mileage vehicles tend to have more problems than low-mileage ones, problem rates are standardized to minimize differences related to mileage.

The 2019 models were generally less than 6 months old at the time of the survey and had been driven an average of about 3,000 miles. Models with insufficient data are noted with a column of asterisks (*).

HOW TO USE THE CHARTS

To check on the reliability history of a particular year's model, start with the Used Car Verdict. This score shows whether the model had more or fewer problems overall than the average model of that year, calculated from the total number of problems reported by subscribers in all trouble spots.

Because problems with the engine, major; engine cooling; transmission, major; and drive system can be more serious and expensive to repair, our calculations give extra weight to problems in those areas.

To assess a used car in more detail, look at the individual ratings for each of the 17 trouble spots. They will pinpoint a model's strengths and weaknesses. Ratings are based on

the percentage of survey respondents who reported problems for that trouble spot, compared with the average of all vehicles for that year.

Models that score a ☺ are not necessarily unreliable, but they have a higher rate of problems than the average model. Similarly, models that score a ☹ are not necessarily problem-free but had relatively few problems compared with other models.

Because problem rates in some trouble spots are very low, we do not assign a ☺ or a ☹ unless the model's problem rate exceeds 3 percent. If a problem rate is below 2 or 1 percent, it will be assigned a ⚬ or a ⚭ respectively.

Newer vehicles should have few, if any, problems. In some cases a model

may score ⚬ and ⚭ in most categories, but the verdict is a 1 or lower because it still has more problems than the average model. Model years with insufficient data are noted with a column of asterisks (*). A model year in **bold** identifies the year it was introduced or underwent a major redesign.

TROUBLE SPOTS

- **Engine, Major** Engine rebuild or replacement, cylinder head, head gasket, turbo or supercharger, timing chain or timing belt.
- **Engine, Minor** Oil or fuel leaks, accessory belts and pulleys, engine computer, engine mounts, engine knock or ping.
- **Engine Cooling** Radiator, cooling fan, antifreeze leaks, water pump, thermostat, overheating.

■ **Transmission, Major** Transmission rebuild or replacement, torque converter, premature clutch replacement.

■ **Transmission, Minor** Gear selector or linkage, coolers and lines, rough shifting, slipping transmission, leaks, transmission computer, transmission sensor or solenoid, clutch adjustment, hydraulics (clutch master or slave cylinder).

■ **Drive System** Driveshaft or axle, CV joint, differential, transfer case, 4WD/AWD components, driveline vibration, traction control, stability control (ESC), electrical failure.

■ **Fuel System** Sensors (includes O2 or oxygen sensor), emission-control devices (includes EGR), engine computer, fuel cap, fuel gauge/sender, fuel-injection system, fuel pump.

■ **Electrical** Alternator, starter, hybrid/electric battery replacement, hybrid/electric battery and related systems, regular battery, battery cables, engine harness, coil, ignition switch, electronic ignition, spark plugs and wires failure.

■ **Climate System** Blower (fan) motor, A/C compressor, condenser, evaporator, heater system, automatic climate control, refrigerant leakage, electrical failure.

■ **Suspension** Shocks or struts, ball joints, tie rods, wheel bearings, alignment, steering linkage (includes rack and pinion), power steering, wheel

balance, springs or torsion bars, bushings, electronic or air suspension.

■ **Brakes** Premature wear, pulsation or vibration, squeaking, master cylinder, calipers, rotors, antilock brake system (ABS), parking brake, brake failure.

■ **Exhaust** Muffler, pipes, catalytic converter, exhaust manifold, leaks.

■ **Paint/Trim** Paint (fading, chalking, cracking, peeling), loose trim or moldings, rust.

■ **Noises/Leaks** Squeaks or rattles, seals and/or weather stripping, air or water leaks, wind noise.

■ **Body Hardware** Windows,

locks and latches, tailgate, hatch or trunk, doors or sliding doors, mirrors, seat controls, safety belts, sunroof, convertible top, glass defect.

■ **Power Equipment and Accessories** Cruise control, clock, warning lights, body control module, keyless entry, wiper motor or washer, tire pressure monitor, interior or exterior light, horn, gauges, 12V power plug, alarm or security system.

■ **In-Car Electronics** Audio systems, entertainment systems, navigation system, backup camera/sensors, communication system.

AVERAGE PROBLEM RATES

MODEL YEARS	14	15	16	17	18	19
Engine, Major	1	1	<1	<1	<1	<1
Engine, Minor	1	1	1	<1	<1	<1
Engine, Cooling	1	<1	<1	<1	<1	<1
Trans., Major	1	1	1	<1	<1	<1
Trans., Minor	2	1	1	1	1	<1
Drive System	1	1	1	1	1	<1
Fuel System	2	1	1	1	<1	<1
Electrical	1	<1	<1	<1	<1	<1
Climate System	3	2	2	1	1	<1
Suspension	2	1	1	1	1	<1
Brakes	3	2	1	1	1	<1
Exhaust	<1	<1	<1	<1	<1	<1
Paint/Trim	1	1	1	1	1	<1
Noises/Leaks	2	2	2	2	2	1
Body Hardware	1	1	1	1	1	<1
Power Equipment	3	2	2	2	2	1
In-Car Electronics	4	3	4	4	3	2

This chart shows the average rates of problems for all vehicles in our survey. For example, in 2014, fewer than one percent of vehicles had exhaust problems on average. Models with fewer problems will score a Ⓐ or Ⓑ; models with more problems will score a Ⓓ or Ⓔ.

TROUBLE SPOTS	Acura MDX	Acura RDX	Acura TL, TLX	Alfa Romeo Giulia	Audi A3
	'14'15'16'17'18'19	'14'15'16'17'18'19	'14'15'16'17'18'19	'14'15'16'17'18'19	'14'15'16'17'18'19
Engine, Major	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Engine, Minor	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬇️ ⬆️ * *	* ⬆️ ⬆️ ⬆️ *
Engine Cooling	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Trans., Major	⬆️ ⬆️ ⬇️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Trans., Minor	⬇️ ⬆️ ⬇️ ⬇️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬇️ ⬇️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Drive System	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬇️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Fuel System	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬇️ ⬆️ *	* ⬇️ ⬆️ ⬆️ *
Electrical	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Climate System	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬇️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬇️ ⬆️ ⬆️	⬇️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Suspension	⬇️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Brakes	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Exhaust	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Paint/Trim	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Noises/Leaks	⬇️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Body Hardware	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬇️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
Power Equip.	⬆️ ⬆️ ⬇️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬇️ ⬆️ ⬆️	⬇️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
In-Car Elec.	⬇️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬇️ ⬆️ *	* ⬆️ ⬆️ ⬆️ *
USED-CAR VERDICTS	⬆️ ⬆️ ⬇️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ ⬆️ ⬆️ ⬆️	⬆️ ⬆️ *	⬇️ ⬆️ ⬆️ *

TROUBLE SPOTS	Audi A4					Audi A5					Audi A6					Audi Q3					Audi Q5									
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Engine, Minor	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Engine Cooling	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Trans., Major	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Trans., Minor	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Drive System	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Fuel System	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Electrical	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Climate System	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Suspension	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Brakes	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Exhaust	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Paint/Trim	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Noises/Leaks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Body Hardware	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Power Equip.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
In-Car Elec.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
USED-CAR VERDICTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27			

TROUBLE SPOTS

TROUBLE SPOTS	Audi Q7					BMW 1 Series, 2 Series					BMW 3 Series					BMW 4 Series					BMW 5 Series				
	'14	'15	'16	'17	'18 '19	'14	'15	'16	'17	'18 '19	'14	'15	'16	'17	'18 '19	'14	'15	'16	'17	'18 '19	'14	'15	'16	'17	'18 '19
Engine, Major	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Engine, Minor	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Engine Cooling	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Trans., Major	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Trans., Minor	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Drive System	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Fuel System	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Electrical	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Climate System	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Suspension	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Brakes	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Exhaust	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Paint/Trim	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Noises/Leaks	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Body Hardware	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
Power Equip.	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
In-Car Elec.	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆
USED-CAR VERDICTS	*	⬆	*	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆

TROUBLE SPOTS

TROUBLE SPOTS	BMW i3					BMW X1					BMW X3					BMW X5					Buick Enclave				
	'14	'15	'16	'17	'18 '19	'14	'15	'16	'17	'18 '19	'14	'15	'16	'17	'18 '19	'14	'15	'16	'17	'18 '19	'14	'15	'16	'17	'18 '19
Engine, Major	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Engine, Minor	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Engine Cooling	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Trans., Major	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Trans., Minor	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Drive System	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Fuel System	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Electrical	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Climate System	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Suspension	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Brakes	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Exhaust	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Paint/Trim	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Noises/Leaks	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Body Hardware	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Power Equip.	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
In-Car Elec.	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
USED-CAR VERDICTS	⬇	⬇	*	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇

TROUBLE SPOTS	Buick Encore					Buick Envision					Buick LaCrosse					Buick Regal					Buick Verano								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	⊖	1	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Engine, Minor	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	1	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Engine Cooling		⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Trans., Major	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Trans., Minor	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	1	⊖	1	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	1	⊖	*	*
Drive System	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Fuel System	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Electrical	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	1	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Climate System	1	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	1	*	⊖	⊖	*	*
Suspension	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Brakes	1	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	1	⊖	⊖	⊖	⊖	⊖	⊖	*	1	⊖	⊖	⊖	1	*	⊖	⊖	*	*
Exhaust	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	*	*
Paint/Trim	⊖	⊖	⊖	⊖	⊖	⊖		*	1	⊖	⊖	1	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	*	1	⊖	*	*
Noises/Leaks	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	1	⊖	⊖	⊖	*	1	1	⊖	⊖	⊖	*	⊖	⊖	*	*
Body Hardware	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	1	*	⊖	⊖	*	*
Power Equip.	⊖	⊖	1	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	1	⊖	⊖	1	⊖	⊖	*	1	⊖	⊖	⊖	1	*	1	⊖	*	*
In-Car Elec.	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	⊖	1	⊖	⊖	1	⊖	⊖	*	1	⊖	1	⊖	⊖	*	1	⊖	*	*
USED-CAR VERDICTS	⊖	⊖	⊖	⊖	⊖	⊖		*	⊖	⊖	⊖	1	⊖	⊖	1	⊖	⊖	⊖	*	1	⊖	⊖	⊖	⊖	*	⊖	1	*	*

TROUBLE SPOTS	Cadillac ATS						Cadillac CT6						Cadillac CTS						Cadillac SRX						Cadillac XT5						
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	
Engine, Major	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Engine, Minor	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Engine Cooling	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Trans., Major	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Trans., Minor	⚠	*	⚠	⚠	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	⚠	*	*	⚠	⚠	⚠							⚠	⚠	⚠
Drive System	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Fuel System	⚠	*	⚠	⚠	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Electrical	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Climate System	⚠	*	⚠	⚠	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Suspension	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	⚠	*	*	⚠	⚠	⚠							⚠	⚠	⚠
Brakes	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Exhaust	⚠	*	⚠	⚠	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Paint/Trim	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Noises/Leaks	⚠	*	⚠	⚠	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Body Hardware	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
Power Equip.	⚠	*	⚠	*	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	*	*	⚠	⚠	⚠								⚠	⚠	⚠
In-Car Elec.	⚠	*	⚠	⚠	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	⚠	*	*	⚠	⚠	⚠							⚠	⚠	⚠
USED-CAR VERDICTS	⚠	*	⚠	⚠	*	*		*	⚠	⚠	*	*	⚠	*	⚠	⚠	⚠	*	*	⚠	⚠	⚠							⚠	⚠	⚠

TROUBLE SPOTS

TROUBLE SPOTS	Cadillac XTS					Chevrolet Bolt					Chevrolet Camaro					Chevrolet Colorado					Chevrolet Corvette									
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Engine, Minor	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Engine Cooling	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Trans., Major	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Trans., Minor	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Drive System	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Fuel System	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Electrical	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Climate System	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Suspension	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Brakes	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Exhaust	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Paint/Trim	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Noises/Leaks	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Body Hardware	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Power Equip.	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
In-Car Elec.	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
USED-CAR VERDICTS	⬇️	*	⬇️	⬇️	*	*				⬇️	⬇️	⬇️	*	*	⬇️	⬇️	⬇️	⬇️	*		⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️

TROUBLE SPOTS

TROUBLE SPOTS	Chevrolet Cruze					Chevrolet Equinox					Chevrolet Impala					Chevrolet Malibu					Chevrolet Silverado 1500								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	⊖	⊖	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Engine, Minor	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Engine Cooling	⊖	⊖	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Trans., Major	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Trans., Minor	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Drive System	⬮	⬮	⊖	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⊖	⊖	*	⬮	⬮	⬮	⬮	⬮
Fuel System	⊖	⊖	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⊖	⊖	*	⬮	⬮	⬮	⬮	⬮
Electrical	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮
Climate System	⊖	⊖	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⊖	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⊖	⊖	⬮	⬮	⬮	⬮
Suspension	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Brakes	⬮	⊖	⬮	⬮	⬮	*	⬮	⊖	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⊖	⬮	⬮	⬮	⬮	⬮
Exhaust	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Paint/Trim	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Noises/Leaks	⬮	⊖	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⊖	⊖	*	⬮	⬮	⬮	⬮	⬮
Body Hardware	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
Power Equip.	⊖	⊖	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⊖	⊖	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮
In-Car Elec.	⬮	⊖	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⊖	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⊖	⬮	*	⬮	⬮	⬮	⬮	⊖
USED-CAR VERDICTS	⊖	⊖	⬮	⬮	⬮	*	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	⬮	*	⬮	⬮	⊖	⊖	⊖	⊖

TROUBLE SPOTS	Chevrolet Sonic					Chevrolet Suburban					Chevrolet Tahoe					Chevrolet Traverse					Chevrolet Trax								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Engine, Minor	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Engine Cooling	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Trans., Major	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Trans., Minor	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Drive System	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Fuel System	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Electrical	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Climate System	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Suspension	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Brakes	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Exhaust	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Paint/Trim	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Noises/Leaks	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Body Hardware	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Power Equip.	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
In-Car Elec.	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
USED-CAR VERDICTS	⬇	*	*	*	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*

TROUBLE SPOTS	Chevrolet Volt					Chrysler 300					Chrysler Pacifica					Chrysler Town & Country					Dodge Challenger									
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Engine, Minor	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Engine Cooling	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Trans., Major	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Trans., Minor	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Drive System	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Fuel System	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Electrical	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Climate System	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Suspension	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Brakes	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Exhaust	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Paint/Trim	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Noises/Leaks	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Body Hardware	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
Power Equip.	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
In-Car Elec.	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*
USED-CAR VERDICTS	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*			⬇	⬇	⬇	⬇	⬇						*	⬇	⬇	*	⬇	*

TROUBLE SPOTS

TROUBLE SPOTS	Dodge Durango						Dodge Grand Caravan						Fiat 500						Ford C-MAX						Ford Edge					
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Engine, Minor	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Engine Cooling	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Trans., Major	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Trans., Minor	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Drive System	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Fuel System	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Electrical	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Climate System	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Suspension	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Brakes	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Exhaust	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Paint/Trim	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Noises/Leaks	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Body Hardware	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
Power Equip.	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
In-Car Elec.	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	
USED-CAR VERDICTS	⬇️	⬇️	⬇️	⬇️	⬇️	*	⬇️	⬇️	⬇️	⬇️	⬇️	*	*	⬇️	*	*	*	*	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	

TROUBLE SPOTS

TROUBLE SPOTS	Ford Escape					Ford Expedition					Ford Explorer					Ford F-150					Ford Fiesta								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Engine, Minor	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Engine Cooling	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Trans., Major	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Trans., Minor	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Drive System	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Fuel System	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Electrical	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Climate System	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Suspension	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Brakes	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Exhaust	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Paint/Trim	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Noises/Leaks	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Body Hardware	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Power Equip.	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
In-Car Elec.	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
USED-CAR VERDICTS	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇

TROUBLE SPOTS	Ford Flex						Ford Focus						Ford Fusion						Ford Mustang						Ford Taurus							
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19		
Engine, Major	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*			
Engine, Minor	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Engine Cooling	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Trans., Major	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Trans., Minor	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Drive System	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Fuel System	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Electrical	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Climate System	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Suspension	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Brakes	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Exhaust	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*		
Paint/Trim	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*	
Noises/Leaks	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*	
Body Hardware	⬆	⬆	⬆	*	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*	
Power Equip.	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*	
In-Car Elec.	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*	
USED-CAR VERDICTS	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	*	*

TROUBLE SPOTS	Genesis G90						GMC Acadia						GMC Canyon						GMC Sierra 1500						GMC Terrain					
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Engine, Minor	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Engine Cooling	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Trans., Major	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Trans., Minor	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Drive System	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Fuel System	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Electrical	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Climate System	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Suspension	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Brakes	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Exhaust	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Paint/Trim	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Noises/Leaks	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Body Hardware	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
Power Equip.	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
In-Car Elec.	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	
USED-CAR VERDICTS	*	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	

TROUBLE SPOTS

TROUBLE SPOTS	Hyundai Accent					Hyundai Azera					Hyundai Elantra					Hyundai Genesis, G80					Hyundai Ioniq								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Engine, Minor	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Engine Cooling	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Trans., Major	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Trans., Minor	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Drive System	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Fuel System	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Electrical	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Climate System	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▼	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Suspension	*	*	▲	*	*	*	▼	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Brakes	*	*	▲	*	*	*	▲	*	*	*			▼	▼	▼	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Exhaust	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Paint/Trim	*	*	▼	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Noises/Leaks	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▼	▲	▲			▲	▲	▲	▲	▲
Body Hardware	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▲	▲	▲	▲			▲	▲	▲	▲	▲
Power Equip.	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▼	▲	▲	▲			▲	▲	▲	▲	▲
In-Car Elec.	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▼	▲	▲	▲			▲	▲	▲	▲	▲
USED-CAR VERDICTS	*	*	▲	*	*	*	▲	*	*	*			▲	▲	▲	▲	▲	*	▼	▲	▲	▲			▲	▲	▲	▲	▲

TROUBLE SPOTS

TROUBLE SPOTS	Hyundai Kona					Hyundai Santa Fe					Hyundai Santa Fe Sport					Hyundai Sonata					Hyundai Tucson								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Engine, Minor					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Engine Cooling					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Trans., Major					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Trans., Minor					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Drive System					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Fuel System					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Electrical					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Climate System					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Suspension					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Brakes					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Exhaust					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Paint/Trim					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Noises/Leaks					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Body Hardware					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
Power Equip.					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
In-Car Elec.					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️
USED-CAR VERDICTS					⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️

TROUBLE SPOTS

TROUBLE SPOTS	Infiniti EX, QX50					Infiniti JX, QX60					Infiniti Q50					Jeep Cherokee					Jeep Grand Cherokee								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Engine, Minor	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Engine Cooling	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Trans., Major	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Trans., Minor	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Drive System	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Fuel System	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Electrical	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Climate System	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Suspension	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Brakes	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Exhaust	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Paint/Trim	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Noises/Leaks	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Body Hardware	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
Power Equip.	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
In-Car Elec.	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇
USED-CAR VERDICTS	*	*	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇

TROUBLE SPOTS

TROUBLE SPOTS	Jeep Renegade					Jeep Wrangler					Kia Cadenza					Kia Forte					Kia Niro									
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Engine, Minor	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Engine Cooling	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Trans., Major	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Trans., Minor	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Drive System	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Fuel System	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Electrical	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Climate System	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Suspension	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Brakes	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Exhaust	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Paint/Trim	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Noises/Leaks	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Body Hardware	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
Power Equip.	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
In-Car Elec.	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇
USED-CAR VERDICTS	⬇	⬇	⬇	⬇	*		⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*	*	⬇	*	*	⬇	⬇	⬇	⬇	*				⬇	⬇	⬇

TROUBLE SPOTS	Kia Optima						Kia Sedona						Kia Sorento						Kia Soul						Kia Sportage					
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍
Engine, Minor	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Engine Cooling	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Trans., Major	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Trans., Minor	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Drive System	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Fuel System	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Electrical	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Climate System	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Suspension	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Brakes	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Exhaust	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Paint/Trim	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Noises/Leaks	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Body Hardware	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
Power Equip.	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
In-Car Elec.	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍
USED-CAR VERDICTS	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	👍	*	👍	👍	👍	👍	👍

TROUBLE SPOTS	Lexus CT 200h						Lexus ES						Lexus GS						Lexus GX						Lexus IS					
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	*	
Engine, Minor	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Engine Cooling	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Trans., Major	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Trans., Minor	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Drive System	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Fuel System	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Electrical	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Climate System	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Suspension	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Brakes	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Exhaust	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Paint/Trim	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Noises/Leaks	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Body Hardware	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
Power Equip.	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
In-Car Elec.	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*
USED-CAR VERDICTS	*	⬆	*	*	*		⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	⬆	⬆	*	⬆	⬆	⬆	*	*

TROUBLE SPOTS

TROUBLE SPOTS	Lexus LS						Lexus NX						Lexus RX						Lincoln Continental						Lincoln MKC					
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Engine, Minor	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Engine Cooling	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Trans., Major	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Trans., Minor	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Drive System	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Fuel System	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Electrical	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Climate System	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Suspension	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Brakes	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Exhaust	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Paint/Trim	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Noises/Leaks	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Body Hardware	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
Power Equip.	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
In-Car Elec.	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	
USED-CAR VERDICTS	⬇	⬇	⬇	⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇				⬇	⬇	*	⬇	⬇	⬇	⬇	⬇	

TROUBLE SPOTS

TROUBLE SPOTS	Lincoln MKX					Lincoln MKZ					Mazda3					Mazda5					Mazda6								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Engine, Minor	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Engine Cooling	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Trans., Major	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Trans., Minor	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Drive System	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Fuel System	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Electrical	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Climate System	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Suspension	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Brakes	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Exhaust	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Paint/Trim	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Noises/Leaks	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Body Hardware	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
Power Equip.	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
In-Car Elec.	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*
USED-CAR VERDICTS	*	*	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	⬇	*

TROUBLE SPOTS

TROUBLE SPOTS	Mazda CX-3					Mazda CX-5					Mazda CX-9					Mazda MX-5 Miata					Mercedes-Benz C-Class									
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major					*																									
Engine, Minor					*																									
Engine Cooling					*																									
Trans., Major					*																									
Trans., Minor					*																									
Drive System					*																									
Fuel System					*																									
Electrical					*																									
Climate System					*																									
Suspension					*																									
Brakes					*																									
Exhaust					*																									
Paint/Trim					*																									
Noises/Leaks					*																									
Body Hardware					*																									
Power Equip.					*																									
In-Car Elec.					*																									
USED-CAR VERDICTS					*																									

TROUBLE SPOTS

TROUBLE SPOTS	Mercedes-Benz E-Class					Mercedes-Benz GLA					Mercedes-Benz GLK, GLC					Mercedes-Benz M-Class, GLE					Mercedes-Benz S-Class								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	⬆️	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	⬆️	*	⬆️	⬆️	*
Engine, Minor	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Engine Cooling	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Trans., Major	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Trans., Minor	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Drive System	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Fuel System	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Electrical	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Climate System	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	⬆️	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Suspension	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		⬆️	⬆️	*	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	⬆️	⬆️	⬆️	*
Brakes	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	⬆️	⬆️	*	
Exhaust	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	*	⬆️	⬆️	*
Paint/Trim	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	⬆️	⬆️	*	
Noises/Leaks	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		⬆️	*	⬆️	⬆️	*	
Body Hardware	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	⬆️	⬆️	*	
Power Equip.	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	⬆️	⬆️	*	
In-Car Elec.	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	*		⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	⬆️	⬆️	*	
USED-CAR VERDICTS	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*	*	*	⬆️	*	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	*		*	*	⬆️	⬆️	*	

TROUBLE SPOTS

TROUBLE SPOTS	Mini Cooper					Mini Cooper Countryman					Nissan Altima					Nissan Frontier					Nissan Leaf								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Engine, Minor	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Engine Cooling	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Trans., Major	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Trans., Minor	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Drive System	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Fuel System	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Electrical	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Climate System	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Suspension	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Brakes	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Exhaust	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Paint/Trim	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Noises/Leaks	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Body Hardware	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Power Equip.	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
In-Car Elec.	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
USED-CAR VERDICTS	⊖	⊖	⊖	⊖	⊖	⊖	*	*	*	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	*	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖

TROUBLE SPOTS

TROUBLE SPOTS	Nissan Maxima					Nissan Murano					Nissan Pathfinder					Nissan Rogue					Nissan Rogue Sport										
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	
Engine, Major	⊖	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Engine, Minor	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Engine Cooling	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Trans., Major	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Trans., Minor	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Drive System	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Fuel System	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Electrical	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Climate System	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Suspension	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Brakes	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Exhaust	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Paint/Trim	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Noises/Leaks	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Body Hardware	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
Power Equip.	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
In-Car Elec.	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕
USED-CAR VERDICTS	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	⊕	*		⊕	⊕	⊕	⊕	⊕	⊕				⊕	⊕	⊕

TROUBLE SPOTS	Nissan Sentra					Porsche 911					Porsche Boxster, 718 Boxster					Porsche Cayenne					Porsche Macan									
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	⚠	⚠	*	⚠	*	*	*	*	*	⚠	⚠	*	⚠	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Engine, Minor	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Engine Cooling	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Trans., Major	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Trans., Minor	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Drive System	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Fuel System	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Electrical	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Climate System	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Suspension	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Brakes	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Exhaust	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Paint/Trim	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Noises/Leaks	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	⚠	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Body Hardware	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
Power Equip.	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
In-Car Elec.	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*
USED-CAR VERDICTS	⚠	⚠	*	⚠	*	*	*	*	*	*	⚠	⚠	*	⚠	⚠	*	*	*	⚠	*	⚠	⚠	*	⚠		⚠	⚠	⚠	⚠	*

TROUBLE SPOTS	Ram 1500					Subaru BRZ					Subaru Forester					Subaru Impreza					Subaru Legacy									
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Engine, Minor	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Engine Cooling	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Trans., Major	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Trans., Minor	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Drive System	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Fuel System	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Electrical	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Climate System	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Suspension	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Brakes	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Exhaust	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Paint/Trim	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Noises/Leaks	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Body Hardware	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
Power Equip.	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
In-Car Elec.	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠
USED-CAR VERDICTS	⚠	⚠	⚠	⚠	⚠	⚠	*	*	*	⚠	*	*	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠	⚠

TROUBLE SPOTS

TROUBLE SPOTS	Subaru Outback					Subaru XV, Crosstrek					Tesla Model 3					Tesla Model S					Tesla Model X									
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19
Engine, Major	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Engine, Minor	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Engine Cooling	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Trans., Major	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Trans., Minor	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Drive System	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Fuel System	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Electrical	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Climate System	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Suspension	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Brakes	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Exhaust	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Paint/Trim	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Noises/Leaks	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Body Hardware	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
Power Equip.	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
In-Car Elec.	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*
USED-CAR VERDICTS	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆				*	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆			⬆	⬆	⬆	*

TROUBLE SPOTS

TROUBLE SPOTS	Toyota 4Runner					Toyota Avalon					Toyota Camry					Toyota Corolla					Toyota Highlander								
	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18	'19	'14	'15	'16	'17	'18
Engine, Major	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Engine, Minor	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Engine Cooling	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Trans., Major	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Trans., Minor	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Drive System	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Fuel System	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Electrical	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Climate System	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Suspension	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Brakes	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Exhaust	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Paint/Trim	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Noises/Leaks	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Body Hardware	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
Power Equip.	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
In-Car Elec.	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️
USED-CAR VERDICTS	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️	⬇️

Buying Tires

Tires have a direct impact on your car's handling, braking, ride comfort, and fuel economy. More important, their cornering grip, braking distances, and resistance to hydroplaning all affect your safety on the road.

CONSUMER REPORTS TESTS 50 or more tire models every year, with each going through as many as 14 rigorous tests. We've found that you generally get what you pay for. No matter the type, tires that combine the best grip with the longest tread life may cost a little more but will probably be worth it in the long run.

For example, a \$130 tire that will last twice as long as an \$87 tire is a better buy, assuming all other factors are equal. Still, the cheaper tire may be just fine if you won't be keeping your car for long.

When buying new tires, we recommend sticking to the same type and size tire that originally came on your car.

First, check the ratings for models that provide good braking and handling capabilities, as well as good resistance to hydroplaning (when there is too much water between your tire and the pavement), which can help you avoid an accident. After that, look for those rated highly in areas important to you, such as winter grip, tread life, ride comfort, and rolling resistance.

We have found that some tires with lower rolling resistance allowed our test cars to get 1 or 2 more mpg than tires

with the highest rolling resistance.

But the mileage you get with brand-new, low-rolling resistance tires may initially be worse than the old tires you are replacing. This is because tires with tens of thousands of miles of wear have less tread and behave more like low-rolling resistance tires.

Our latest tests include the projected wear-out mileage of a tire. To determine longevity, we test tread life at a contract lab in Texas, where each tire is driven at least 16,000 miles or more on public roads. We've been conducting this test for several years.

Our tread-life estimates let you compare the expected miles-to-wear-out for the specific tires we tested, but your actual experience will vary by how and where you drive, and what vehicle you use, among other factors.

Many tires have a pro-rated treadwear warranty, but the tread-life mileage in the following charts will give you a direct comparison.

Remember that if you buy tires online, you may have to pay for shipping and for mounting and balancing when the tires arrive.

Types and Features

ALL-SEASON CAR

These are the tires that come standard on many cars, minivans, and SUVs.

Best for: Year-round traction, long tread life, and a comfortable ride. But they may lack the precise handling and grip of performance tires.

Speed rating: Most are S (112 mph), T (118 mph), or H (130 mph).

Treadwear warranty: Typically 65,000 to 90,000 miles.

PERFORMANCE

ALL-SEASON CAR

They come standard on many newer cars.

Best for: Improved handling and grip over all-season tires on wet roads, but often have shorter treadwear than many all-season tires.

Speed rating: Typically V (149 mph).

Treadwear warranty: Typically 40,000 to 75,000 miles.

ULTRA-HIGH-PERFORMANCE

ALL-SEASON CAR

Found on sports cars, sports sedans, and some lower-priced sporty models.

Best for: Wet and dry braking and handling. But they trade some winter performance for ultimate warm-weather grip.

Speed rating: Z (more than 149 mph), W (168 mph), or Y (186 mph).

Treadwear warranty: None or 40,000 to 60,000 miles.

ALL-WEATHER CAR

Designed for year-round use. Better snow traction than all-season tires, but may wear out faster.

Best for: Year-round use, and where snow and ice are common challenges.

Speed rating: W (168 mph) or V (149 mph).

Treadwear warranty: Typically 55,000 to 60,000 miles.

WINTER/SNOW

AND PERFORMANCE

WINTER/SNOW CAR

Specially made for use in freezing temperatures and on snow and ice.

Best for: Maintaining traction on snow and ice. But fast wear and so-so wet and dry braking make them most suitable only for cold-weather use.

Speed rating: Q (99 mph and higher).

Treadwear warranty: Usually none.

ALL-SEASON SUV

These tires deliver the ride comfort, quietness, and long tread life of a car all-season tire but in the sizes to fit crossover SUVs.

Best for: Year-round traction, long tread life, and a comfortable ride.

Speed rating: H (130 mph).

Treadwear warranty: Typically 60,000 to 75,000 miles.

ALL-SEASON AND

ALL-TERRAIN TRUCK

Designed for the rigors of truck use.

Best for: All-terrain models are designed for on-road and light-duty off-pavement use; all-season models are made primarily for on-road use.

Speed rating:

ALL-TERRAIN: S (112 mph) or T (118 mph).

ALL-SEASON: S (112 mph), T (118 mph), H (130 mph), or V (149 mph).

Treadwear warranty:

ALL-TERRAIN: Typically 50,000 to 60,000 miles.

ALL-SEASON: Typically 50,000 to 80,000 miles.

All-Season Tires

Best balance of long tread life and mostly good all-weather performance:
General Altimax RT43
Michelin Defender T+H

Tested products in performance order.

	Brand & Model	Overall Score		Three-Season Driving				Winter Driving		Comfort		Other	
Recommended			Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (miles)
ALL-SEASON													
✓	General Altimax RT43	70	T	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬆	80,000
✓	Michelin Defender T+H	67	H	⬆	⬇	⬆	⬆	⬆	⬇	⬇	⬆	⬇	90,000
	Continental TrueContact Tour	66	T	⬇	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	95,000
	Falken Sincera SN201 A/S	66	T	⬆	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆	80,000
	Falken Sincera SN250 A/S	66	T	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	80,000
	Nexen Aria AH7	66	T	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	90,000
	Yokohama Avid Ascend	65	T	⬆	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆	100,000
	BFGoodrich Advantage T/A Sport	63	T	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬇	⬇	75,000
	Hankook Kinergy PT	63	T	⬆	⬇	⬆	⬆	⬆	⬇	⬇	⬆	⬇	80,000
	Kumho Solus TA11	61	T	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	75,000
	Pirelli P4 Four Seasons Plus	60	T	⬆	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆	85,000
	Bridgestone Ecopia EP422 Plus	60	T	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬆	70,000
	Toyo Versado Noir	60	H	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	75,000
	Firestone Champion Fuel Fighter	58	T	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬆	60,000
	Firestone All Season	58	T	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬇	⬆	60,000

Performance All-Season Tires

Best balance of long
tread life and
mostly year-round
performance:

Michelin CrossClimate +*
Continental
PureContact LS

TIRES

Tested products in performance order.

	Brand & Model	Overall Score		Three-Season Driving				Winter Driving	Comfort		Other		
Recommended			Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (miles)
PERFORMANCE ALL-SEASON (INCL. ALL-WEATHER, NOTED WITH *)													
✓	Michelin CrossClimate +*	75	W	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	75,000
✓	Continental PureContact LS	71	V	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬇	90,000
	General Altimax RT43	66	V	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬆	70,000
	Goodyear Assurance WeatherReady*	64	V	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆	⬇	75,000
	Michelin Premier A/S	64	V	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	80,000
	Pirelli Cinturato P7 All Season Plus	64	V	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬆	70,000
	Vredestein Quattrac 5*	62	V	⬇	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	50,000
	Firestone WeatherGrip*	61	H	⬇	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	60,000
	Atlas Force HP	61	V	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬇	⬆	65,000
	Bridgestone Turanza QuietTrack	61	V	⬇	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	70,000
	Falken Sincera SN250 A/S	61	V	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬇	75,000
	BFGoodrich Advantage T/A Sport	60	V	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	80,000
	Firestone Firehawk AS	60	V	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬇	60,000
	Nokian WRG4*	59	V	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇	60,000

Performance All-Season Tires

Continued

Tested products in performance order.

	Brand & Model	Overall Score		Three-Season Driving				Winter Driving		Comfort		Other	
Recommended			Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (miles)
	PERFORMANCE ALL-SEASON (INCL. ALL-WEATHER, NOTED WITH *) <i>Continued</i>												
	Yokohama Avid Ascend	59	V	⬆	⬇	⬇	⬆	⬇	⬇	⬆	⬆	⬇	75,000
	Bridgestone Turanza Serenity Plus	59	V	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	65,000
	Goodyear Eagle Sport All-Season	58	V	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬆	80,000
	Bridgestone DriveGuard	56	V	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	55,000
	Uniroyal Tiger Paw AWP3	56	V	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬇	⬆	65,000
	Nokian Entyre 2.0	55	V	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬇	70,000
	Cooper CS5 Ultra Touring	55	V	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬇	60,000
	Kumho Solus TA71	54	V	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬇	50,000
	Toyo Extensa HP II	54	V	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬆	55,000
	Sumitomo HTR Enhance L/X	53	V	⬆	⬇	⬆	⬆	⬇	⬇	⬆	⬆	⬇	65,000
	Toyo Celsius*	53	V	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬇	60,000
	Falken Ziex ZE950 A/S	51	V	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬇	⬇	55,000
	Maxxis Bravo HP-M3	46	V	⬇	⬇	⬇	⬆	⬇	⬇	⬇	⬇	⬆	65,000

Ultra-High-Performance All-Season Tires

Best balance of long tread life and mostly good all-weather performance

Goodyear Eagle Exhilarate
Michelin Pilot Sport A/S 3+
General G-MAX AS-05
Vredestein Quatrac Pro

Tested products in performance order.

Recommended	Brand & Model	Overall Score	Three-Season Driving					Winter Driving		Comfort		Other	
			Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (miles)
✓	Goodyear Eagle Exhilarate	68	Y	⬆	⬆	⬆	⬆	⬇	⬆	⬇	⬆	⬇	45,000
✓	Michelin Pilot Sport A/S 3+	66	Y	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬇	⬇	55,000
✓	General G-MAX AS-05	66	W	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	65,000
	BFGoodrich g-Force COMP-2 A/S	66	W	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬇	⬇	65,000
✓	Vredestein Quatrac Pro	66	Y	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬇	60,000
	Pirelli P Zero All Season Plus	64	Y	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	55,000
	Continental ExtremeContact DWS06	64	Y	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇	50,000
	Bridgestone Potenza RE980AS	63	W	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇	40,000
	Kumho Ecsta PA51	62	W	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	50,000
	Cooper Zeon RS3-G1	61	Y	⬆	⬇	⬆	⬆	⬇	⬆	⬇	⬇	⬇	55,000
	Yokohama ADVAN Sport A/S	60	Y	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬇	75,000
	Hankook Ventus S1 noble 2	57	W	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬇	⬇	55,000
	Nexen Nfera AU7	56	W	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬇	45,000
	Nitto Motivo	54	W	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬇	⬇	60,000
	Atlas Force UHP	54	Y	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	40,000
	Nokian zLine A/S	50	W	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬇	55,000
	Laufenn S Fit AS	50	W	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬇	60,000

WORSE ————— BETTER

RECOMMENDED

Winter/Snow Tires

Best balance of winter and three-season performance:
Bridgestone Blizzak WS90
Cooper Discoverer True North

Hankook Winter I*cept iZ2
Continental WinterContact SI
Michelin X-Ice XI3
Nokian Hakkapeliitta R3

Tested products in performance order.

	Brand & Model	Overall Score		Three-Season Driving			Winter Driving		Comfort		Other		
Recommended			Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (miles)
WINTER/SNOW CAR													
✓	Bridgestone Blizzak WS90	71	H	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬇	NA
✓	Cooper Discoverer True North	70	H	⬇	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	NA
✓	Hankook Winter I*cept iZ2	70	T	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	Continental WinterContact SI	69	H	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆	NA
✓	Michelin X-Ice XI3	68	H	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆	NA
✓	Nokian Hakkapeliitta R3	68	R	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆	NA
	General Altimax Arctic 12	67	T	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇	NA
	Nexen Winguard Ice Plus	66	T	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬇	NA
	Falken HS449 Eurowinter	64	H	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬇	NA
	Dunlop Winter Maxx 2	63	T	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬇	NA
	Toyo Observe G3-Ice	62	T	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬆	NA
	Uniroyal Tiger Paw Ice & Snow 3	61	T	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬇	NA
	BFGoodrich Winter T/A KSI	61	T	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆	NA
	Yokohama Ice Guard iG52c	60	T	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆	NA
	Falken Espia EPZ II	60	T	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬇	NA

Performance Winter/Snow Tires

Best balance of winter
performance and
dry grip:

Vredestein Wintrac Pro
Michelin Pilot Alpin PA4

Tested products in performance order.

	Brand & Model	Overall Score		Three-Season Driving				Winter Driving		Comfort		Other	
Recommended			Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (miles)
PERFORMANCE WINTER/SNOW													
✓	Vredestein Wintrac Pro	78	W	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬇	⬇	NA
✓	Michelin Pilot Alpin PA4	72	V	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬇	⬇	NA
	Nexen Winguard Sport 2	71	V	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇	NA
	Yokohama Blue Earth Winter V905	70	W	⬆	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬇	NA
	Hankook Winter i*cept evo2	70	V	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇	NA
	Bridgestone Blizzak LM001	67	V	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇	NA
	Toyo Observe GSi-6 HP	66	V	⬇	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬇	NA
	Pirelli Winter Sottozero 3	66	V	⬆	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬇	NA

GUIDE TO THE RATINGS:

Overall Score is based on more than a dozen tests, with braking, handling, and hydroplaning resistance more heavily weighted for many tires.

Braking tests on ice are from 10 mph; on dry and wet pavement, from 60 to 0 mph.

Handling combines how well

a tire performed in the wet-handling test, steering feel, and an emergency handling maneuver. **Hydroplaning** denotes a tire's ability to resist skimming along the surface of standing water. **Snow Traction** tests denote how far a vehicle has to travel to accelerate from 5 to 20 mph on moderately

packed snow. **Ride** and **Noise** are evaluated subjectively on rough and smooth roads. **Rolling Resistance**, as measured by a dynamometer, is a factor in fuel economy. **Treadwear** is projected from at least a 16,000-mile vehicle test run on public roads in Texas for many tires.

All-Season SUV Tires

Best balance of long tread
life and mostly good
all-weather performance:
Kumho Crugen Premium
Bridgestone Dueler
H/L 422 Ecopia

Tested products in performance order.

	Brand & Model	Overall Score		Three-Season Driving				Winter Driving		Comfort		Other	
Recommended			Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (miles)
ALL-SEASON SUV													
✓	Kumho Crugen Premium	68	V	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	60,000
✓	Bridgestone Dueler H/L 422 Ecopia	68	H	⬆	⬇	⬇	⬇	⬆	⬇	⬆	⬆	⬆	65,000
	Hankook Dynapro HP2	66	H	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	75,000
	Nitto NT 421Q	66	H	⬇	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬇	65,000
	Toyo Open Country Q/T	66	H	⬇	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬇	65,000
	Yokohama Geolandar G055	64	H	⬇	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	75,000
	Toyo Celsius CUV	64	H	⬇	⬇	⬇	⬆	⬆	⬇	⬆	⬇	⬇	75,000

All-Season
Truck Tires

Best balance of long tread
life and mostly good
all-weather performance:
**Continental Cross Contact
LX20 EcoPlus**
Michelin Premier LTX

Firestone Destination LE 2
Pirelli Scorpion Verde
All Season Plus
Michelin Defender
LTX M/S

Tested products in performance order.

	Brand & Model	Overall Score		Three-Season Driving			Winter Driving	Comfort		Other			
Recommended			Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (miles)
ALL-SEASON TRUCK													
✓	Continental Cross Contact LX20 EcoPlus	74	T	⬆	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆	65,000
✓	Michelin Premier LTX	74	H	⬆	⬇	⬇	⬆	⬇	⬆	⬇	⬆	⬆	40,000
✓	Firestone Destination LE 2	72	S	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆	65,000
✓	Pirelli Scorpion Verde All Season Plus	72	T	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	65,000
✓	Michelin Defender LTX M/S	72	T	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆	85,000
	Cooper Discoverer SRX	70	T	⬇	⬇	⬇	⬆	⬆	⬇	⬆	⬆	⬆	55,000
	General Grabber HTS60	70	T	⬆	⬇	⬇	⬆	⬇	⬇	⬆	⬆	⬇	65,000
	Kumho Crugen HT51	68	T	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬆	60,000
	Hankook Dynapro HT	68	T	⬇	⬇	⬇	⬆	⬇	⬆	⬇	⬆	⬆	70,000
	Nexen Radian HTX RH5	68	H	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬆	70,000
	Goodyear Wrangler Fortitude HT	68	T	⬇	⬇	⬇	⬆	⬆	⬇	⬇	⬇	⬆	65,000
	Bridgestone Dueler LTH	66	T	⬇	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬇	75,000
	Nokian WR G3 SUV	66	V	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬆	55,000
	Bridgestone Dueler H/L Alenza Plus	66	T	⬇	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬆	65,000
	GT Radial Savero HT2	66	S	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬆	65,000
	Uniroyal Laredo Cross Country Tour	64	T	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬆	⬇	65,000
	Maxxis 770 Bravo H/T	64	T	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬆	60,000

WORSE ————— BETTER

RECOMMENDED

All-Terrain Truck Tires

Best balance of long tread life and good on- and off-road performance:

Continental
TerrainContact A/T
Michelin LTX A/T 2

Goodyear Wrangler
TrailRunner AT
Yokohama Geolander
A/T G015
Nexen Roadian AT Pro RA8
Falken WildPeak A/T AT3W

Tested products in performance order.

Recommended	Brand & Model	Overall Score		Three-Season Driving					Winter Driving		Comfort		Other
				Speed rating	Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	
													Rolling resistance Tested tread life (miles)
✓	Continental TerrainContact A/T	72	S	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 65,000
✓	Michelin LTX A/T 2	72	S	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 85,000
✓	Goodyear Wrangler TrailRunner AT	68	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 50,000
✓	Yokohama Geolander A/T G015	68	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 60,000
✓	Nexen Roadian AT Pro RA8	68	S	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 75,000
✓	Falken WildPeak A/T AT3W	68	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 70,000
	Nokian Rotiiva AT	66	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 60,000
	Laufenn X Fit AT	66	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 75,000
	Hankook Dynapro AT-M	66	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 85,000
	Pirelli Scorpion ATR	66	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 60,000
	Cooper Discoverer A/T3	64	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 60,000
	Cooper Discoverer A/TW	64	S	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 55,000
	Firestone Destination A/T	64	S	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 55,000
	Toyo Open Country A/T II	62	S	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 75,000
	GT Radial Adventuro AT3	62	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 55,000
	Maxxis 771 Bravo A/T	60	S	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 65,000
	Kumho Road Venture AT51	58	T	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆ 45,000

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a. Total no. of copies (net press run)	3,563,684	3,483,276
b. Paid circulation		
1. Mailed outside-county paid subscriptions stated on Form 3541	3,196,383	3,059,009
2. Mailed in-county paid subscriptions stated on Form 3541	0	0
3. Sales through dealers, carriers, street vendors, counter sales, and other non-USPS paid distribution	24,117	15,000
4. Other classes mailed through the USPS	0	0
c. Total paid distribution (sum of 15b(1), (2), (3), and (4))	3,220,500	3,074,009
d. 1. Free or Nominal Rate Outside-County Copies included on PS Form 3541	1,253	1,114
2. Free or Nominal Rate In-County included on PS form 3541	0	0
3. Free or Nominal Rate Copies Mailed at Other Classes Through the USPS (e.g. First-Class Mail)	0	0
4. Free or Nominal Rate Distribution Outside the Mail (Carriers or other means)	7,163	5,157
e. Total free distribution (sum of 15d(1) and (4))	8,416	6,271
f. Total distribution (sum of 15c and 15e)	3,228,916	3,080,280
g. Copies not distributed	334,768	402,996
h. TOTAL (sum of 15f and 15g)	3,563,684	3,483,276
i. Percent paid and/or requested circulation	99.74%	99.80%

I certify that the statements made by me above are correct and complete.

Dawn Nelson, Senior Marketing Director

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