

## WELCOME TO THE SEMA VEHICLE LANDSCAPE REPORT

There are over 281 million passenger vehicles on the road in the United States today and the overall vehicle population is changing. Light trucks, especially CUVs, are becoming more popular. More alternative energy models are coming out each year.

What does the current vehicle landscape look like? What are the latest trends? Where is the opportunity for the specialty-equipment industry moving forward?

This report will help answer these questions and much more. With this report, your business can get a better understanding of the current vehicle climate and where it's going so that you can have more success in 2021 and beyond.

This report is meant to help you understand the overall vehicle market. SEMA Members can also get access to more comprehensive vehicle sales and VIO information through the SEMA Market Research department partnership programs. For more information, please visit our website at www.sema.org/research.

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## NEW SALES ARE REBOUNDING



## CUV AND PICKUP SEGMENTS ARE DRIVING SALES

The U.S. vehicle landscape is shifting away from passenger cars to light trucks.

By 2028, light trucks are expected to make up $82 \%$ of all new light vehicles sold, driven mainly by the popularity and growth of CUVs.

- That said, traditional cars aren't going away anytime soon. Currently there are 114.8 million cars on the road. Even as sales shift toward light trucks, traditional cars remain one of the largest segments on the road.
- The question for our industry is whether consumers will accessorize their new CUVs like trucks.



## TRUCKS AND SPORTS CARS DRIVE CUSTOMIZATION MARKET

$\left.\begin{array}{lll}\text { Hot Vehicle Models for Accessorization }\end{array}\right]$

Partial list. See later in report for more information and models.

2019 Aftermarket Sales Estimates by Vehicle Segment
\$14.28B
\$7.10B
\$5.90B \$6.35B


## HOW MANY VEHICLES ARE ON THE ROAD TODAY?




## WHAT VEHICLES ARE ON THE ROAD?



## VEHICLE PREFERENCES HAVE SHIFTED OVER TIME

| Model Years | Small Car | Mid Range / Large | Upscale | Sports Car | Alternative Power | CUV | SUV | Pickup | Van |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2015- <br> Present | 9.48 M | 16.84M | 4.05M | 2.35M | 2.06M | 30.87M | 12.82M | 16.53M | 4.59M |
| $\begin{aligned} & 2005- \\ & 2014 \end{aligned}$ | 14.01M | 28.01M | 7.04M | 3.56M | 1.90M | 20.72M | 12.86M | 19.35M | 7.44M |
| Pre- <br> 2005 | 4.08M | 13.57M | 4.29M | 3.88M | 61K | 3.03M | 11.56M | 21.69M | 4.62M |
| 25\% |  |  |  |  |  |  |  |  |  |
| 20\% |  |  |  |  |  |  |  |  |  |
| 15\% |  |  |  |  |  |  |  |  |  |
| 10\% |  |  |  |  |  |  |  |  |  |
| 5\% |  |  |  |  |  |  |  |  |  |
| 0\% |  |  |  |  | - |  |  |  |  |

## FULL-SIZED PICKUPS ARE THE LARGEST SEGMENT



Full-size pickups are the most common vehicle subsegment on the road today, driven primarily by the popularity of the Ford F-series and GM full-size pickups. Entry-level CUVs are also quite common. Despite their growing popularity, alternative energy remains a very small proportion of the U.S. light vehicle fleet-the most common being hybrid cars. There are significant factors that limit their growth, including infrastructure, that at least for the short term will prevent more large-scale, mainstream adoption.

## NEWER VEHICLES ARE THE MAJORITY OF THE MARKET



## VEHICLES DROP IN AND OUT OF OPERATION

Every year, the ownership of passenger cars and light trucks changes. As newly sold vehicles are registered, millions are also taken off the road. The used market generally sees millions of transactions each year. The pandemic has not been an exception. Despite the disruption from the virus, the vehicles coming in new still outpace the number leaving.

During recessions, used car values tend to skyrocket as consumers hold onto their vehicles-putting strain on the supply. COVID-19 has driven used car prices to record highs. Despite this, used car transactions in 2020 were only off about 3-4 million from where they typically are. Typically, between 12.5 million and 13.5 million go out of operation each year. While 2020 saw a slight dip in this, it wasn't far off. Some consumers are certainly holding onto their cars longer, but not as many as the Great Recession in 2008-2009.

This bodes well for our industry as it looks to quickly recover from the pandemic disruption. While accessorization can happen at any time during a car's lifecycle, most vehicle owners upgrade or modify their car within the first few months of getting it, new or used. The more cars change hands, the more chances for accessorization.


## CUVS DOMINATE SALES, BUT PICKUPS REMAIN POPULAR

## U.S. New Light Vehicle Sales Forecast



During a typical recession, the biggest drops in vehicle sales are often seen in larger more expensive models-especially SUVs and Pickups. The complete opposite has arried light vehicle sales While certainly disruptive, the pandemic has not affected sales as much as initially thought, and sales should fully recover within the next few years. Most consumers actually think it's a good time to buy even though new vehicle prices have increased to a record high of over $\$ 41,000$. Much of this growth is driven by light trucks, with CUVs expected to account for nearly half of all vehicles sold by 2028.

## 59\% <br> Of Consumers

Think it's a good time to buy a car.

## THE SHIFT FROM CARS TO LIGHT TRUCKS



## AUTO MANUFACTURERS ARE ALL IN FOR LIGHT TRUCKS

## Share of U.S. OEM Light Vehicle Sales by Type



In 2019, General Motors sold 80 light vehicle models around the world. Yet, $80 \%$ of their global revenue came from just five vehicles: Chevrolet Silverado, Chevrolet Tahoe, Chevrolet Equinox, GMC Sierra, and Buick GL8 (a minivan model in China). It's clear that consumers don't just prefer light trucks, they're more profitable for the automakers to make and sell.

Most automakers have made producing light trucks a priority. In 2018, Ford announced it would wind down both the production and sales of passenger sedans. By 2020, $90 \%$ of Ford's U.S. sales were from light trucks. The only true passenger car the company continues to make is the Mustang. GM also trimmed its sedan lineup across its brands. In five years, the automaker went from offering 13 sedan models to just three as of October 2020: Chevrolet Malibu, Cadillac CT4, and Cadillac CT5. Stellantis, formerly Fiat Chrysler America (FCA), has also focused on light trucks as well.

Not all automakers have made the same drastic shift away from sedans. Hyundai offers 11 sedans across its brands. Nearly a third of Toyota's sales and over 40\% of Volkswagen's are from passenger cars.

While new vehicle sales are primarily from light trucks, passenger cars are not going away. They will remain a significant presence on American roads for years to come.

■ Light Trucks

- Passenger Cars


## OPPORTUNITY FOR THE AFTERMARKET



## OUTLOOK FOR THE SPECIALTY-EQUIPMENT INDUSTRY



Like many sectors of the economy, our industry was affected by the economic downturn from the pandemic. Some companies saw significant sales declines. Others reported record sales last year, as many consumers continued to purchase parts and work on their vehicles while at home.

We anticipate that the effects on our industry will be short-term and should return to pre-pandemic levels and growth by 2023.

Specialty-Equipment Market Size Forecast


2019 Aftermarket Sales Estimates by Vehicle Segment
For more information on the size of the specialty-equipment
industry, download the latest SEMA Market Report.


## WHAT SEGMENTS HAVE THE MOST OPPORTUNITY?



Pickups are the largest segment for the specialty-equipment industry, accounting for $31 \%$ of retail sales. They are some of the top-selling vehicles and offer versatile platforms for accessorization. Classics and sports cars are also frequently modified but there are fewer on the road.

CUVs are well represented on the road, but are, so far, less accessorized than other segments. The diversity of platforms and models makes them a difficult segment to develop aftermarket products for

Alternative power vehicles remain low volume and are not widely accessorized. While they are expected to grow over the next few years, their applications and market upside for our industry remain limited at this time.


## PICKUPS, SPORTS CARS AND CLASSICS DRIVE THE MOST SALES FOR THE SPECIALTY-EQUIPMENT INDUSTRY



## WHAT MODELS HAVE THE BIGGEST OPPORTUNITY?

lized pickups are among the hottest vehicles for our industry. They are great platforms for enthusiast upgrades and functional modifications, are the most common vehicles on the road today, and are expected to sell well in the future. Electric and other alternative energy drivetrains are expected for future full-size trucks, opening potential opportunities and challenges for the aftermarket.

Jeep Wranglers are also popular platforms for enthusiasts, especially those that go off-roading. They are among the most accessorized vehicles on the road today. However, they are much lower volume than full-size pickups. A hybrid Jeep Wrangler (4xe) is expected to roll out this year and may see significant engagement from the aftermarket industry.

Sport cars tend to be highly accessorized, particularly the modern American muscle cars (Mustang, Camaro, Challenger and Corvette). The aftermarket potential for the new electric Mustang Mach-E CUV, however, is still to be determined.

For more information on what the hottest vehicles are for the specialty-equipment industry, download the SEMA Accessory Opportunity Report: Hot Cars and Trucks.

| Vehicle Make / Model <br> (All Model Years) | Vehicles in <br> Operation | Accessorization <br> Rate | Projected Sales <br> (2021-2028) |
| :--- | :---: | :---: | :---: |
| GM Full-Size Pickup* | 18.1 M | $30 \%$ | 6.6 M |
| Ford F-Series | 16.1 M | $30 \%$ | 6.7 M |
| Ram Pickup | 8.2 M | $29 \%$ | 4.9 M |
| Jeep Wrangler | 3.2 M | $39 \%$ | 1.6 M |
| Ford Mustang* | 2.1 M | $34 \%$ | 538 K |
| Chevrolet Tahoe / GMC Yukon | 4.0 M | $28 \%$ | 1.4 M |
| Chevrolet Camaro* | 1.3 M | $38 \%$ | 224 K |
| Dodge Challenger* | 594 K | $39 \%$ | 160 K |
| Chevrolet Corvette | 824 K | $30 \%$ | 14 K |
| Toyota 4Runner | 2.0 M | $33 \%$ | 1.2 M |

## THE SEMA AWARD

The SEMA Award celebrates the cars, trucks and SUVs that aftermarket manufacturers are investing in and developing products and accessories for. Presented each year at the SEMA Show, the award is an opportunity for the industry to indicate which vehicles they feel are the most customizable. Here are some of the previous winners.


Jeep Wrangler JL


Neil and Collin Tjin Ford Mustang Coupe

| Car/Coupe |  |
| :---: | :--- |
| 2010-2011 | Chevrolet Camaro |
| 2012-2016 | Ford Mustang |
| 2017 | Chevrolet Camaro |
| 2018-2019 | Ford Mustang |

Truck

2010-2013 Ford F-Series
2014 Chevrolet Silverado
2015-2018 Ford F-Series
2019 Chevrolet Silverado

SUV/4x4/Off-Road
2010-2019 Jeep Wrangler

Sports Compact/Hatch

| $\mathbf{2 0 1 1}$ | Fiat 500 |
| :---: | :--- |
| $\mathbf{2 0 1 2 - 2 0 1 3}$ | Scion FRS |
| $\mathbf{2 0 1 4}$ | Honda Fit |
| $\mathbf{2 0 1 5 - 2 0 1 8}$ | Ford Focus |
| $\mathbf{2 0 1 9}$ | Audi RS3 |
|  |  |
|  | Sedan |
| 2016 | Dodge Charger |
| 2017 | Cadillac CTS-V |

## DRIVING METRICS



## HOW HAS COVID-19 AFFECTED DRIVING?



In 2020 Americans Drove


### 2.83 TRILLION MILES

Down 13\% from 2019
The pandemic had a significant effect on how much people drove in 2020. It will likely take until at least 2022 before Americans return to their prepandemic travel and driving levels.

100\%
Change in Apple Directions Requests
Compared to January 13, 2020
No Data Available for May 11-12, 2020 and March 12, 2021
 -100\%


Overall, driving mileage was down in 2020, though not as steep a drop as might have been expected. American consumers consider their personal vehicle the safest way to travel as we emerge from the pandemic, which may lead to more road trips and additional vehicle miles. This bodes well for the specialty-equipment industry-the more people drive, the more likely they are to want new parts.

## THERE ARE MORE DRIVERS TODAY THAN EVER BEFORE



Share of U.S. Licensed Drivers by Age
2019

| Age 16-24 | $11 \%$ |
| :--- | :--- |
| Age 25-34 | $18 \%$ |
| Age 35-44 | $17 \%$ |
| Age 45-54 | $17 \%$ |
| Age 55-64 | $17 \%$ |
| Age 65+ | $20 \%$ |

Over 228 million people were licensed drivers in 2019-the highest number of licensed drivers in history. A common perception is that Americans are no longer driving or getting their license, particularly young people. While it's true that licensing restrictions have reduced the number of 16 -year-old drivers, compared to 30 years ago, the overall driver composition is still similar.

For more information on young drivers and accessorizers, download the SEMA Young Accessorizers report.

## HOW DO AMERICANS USE THEIR VEHICLES?

Number of Vehicles Per American Household


How Americans Use Their Vehicles



## PICKUPS IN THE UNITED STATES



Vehicle Age


| Top Registered Pickup Models |  |
| :--- | :--- |
| Ford F-Series | 16.1 M |
| GM Full-Size Pickup* | 18.1 M |
| Toyota Tacoma | 3.5 M |
| Ram Pickup | 8.2 M |
| Ford Ranger* | 2.5 M |
| Toyota Tundra | 2.1 M |
| Nissan Frontier* | 1.2 M |
| GM Mid-Size Pickup* | 2.6 M |
| Dodge Dakota | 981 K |
| Nissan Titan | 569 K |
| *Some models include rebadged variants and other similar models. See index. |  |

## PICKUP PROFILE AND FUTURE SALES

Full-size pickups-the Ford F-Series, the GM Full-Size, and Ram-are the top-selling vehicle models in the U.S Pickups are expected to continue to grow over the next decade and remain solid, reliable platforms for the aftermarket. The new Jeep Gladiator and several midsized models, while still new, have attracted a lot of enthusiast interest already.

Alternative energy powertrains are on the horizon for pickups. The new 2021 F-150 includes a model with a 3.5L full-hybrid V6 engine. Further electric and hybrid models are also planned for the Ford F-Series, GMC Sierra, Chevrolet Silverado, and Ram pickups. New entrants into the pickup space, including Tesla and Rivian, plan on releasing electric pickups in the next year or two. A new electric Hummer pickup will be released soon as well.

Will people buy electric trucks? Will owners accessorize these new vehicles in the same way or as frequently? How will this affect the aftermarket? These will be important questions for our industry moving forward.

## Engine Displacement Profile of Current

 PickupsTop-Selling Projected Models 2021-2028

| Ford F-Series | 6.7 M |
| :--- | :--- |
| Chevrolet Silverado/GMC Sierra | 6.6 M |
| Ram Pickup | 4.9 M |
| Toyota Tacoma | 2.3 M |
| Chevrolet Colorado/GMC Canyon | 1.2 M |
| Toyota Tundra | 1.0 M |
| Ford Ranger | 780 K |
| Jeep Gladiator | 588 K |
| Nissan Frontier | 520 K |
| Honda Ridgeline | 282 K |


|  | 0\% |  | <1\% | 2\% |
| :---: | :---: | :---: | :---: | :---: |
| Diesel | Electric | Gasoline/Flex | Hybrid | Other |

## PICKUP ACCESSORIZATION PROFILE



## Top Products Categories Purchased (in 2019)

## Maintenance Oils and Additives

Wax and Cleaning Products
Body Finishing Products
Head/Tail Lights
Trailer and Towing Products
Exterior Appearance Upgrades
Brake Products
Truck Bed Liners and Other Bed Accessories
Suspension Products
Fender, Hood and Body Upgrades

## WHAT ARE THE HOTTEST PICKUPS FOR OUR INDUSTRY?

SEMA Hot Pickups for Accessorization

Given their versatility and overall volume on the road, pickups represent the largest market for the specialtyequipment industry and account for nearly a third of all aftermarket retail sales in the United States. GM full-size pickups and the Ford F-Series lead the pack, led by the halfton Chevrolet Silverado 1500 and Ford F-150. These two models continue to be among the highest-selling vehicles year after year and are great platforms for accessorization. The Ram pickup has also proven to be extremely popular.

While lower in sales volume, there are a range of other pickups that are also popular among enthusiasts.

For more information on the hottest vehicles for the specialty-equipment industry, download the SEMA Accessory Opportunity Report: Hot Cars and Trucks.

| Vehicle Make/Model <br> (All Model Years) | Vehicles in <br> Operation | Accessorization <br> Rate | Projected Sales <br> (2021-2028) |
| :--- | :---: | :---: | :---: |
| GM Full-Size Pickup* | 18.1 M | $30 \%$ | 6.6 M |
| Ford F-Series | 16.1 M | $30 \%$ | 6.7 M |
| Ram Pickup | 8.2 M | $29 \%$ | 4.9 M |
| Toyota Tacoma | 3.5 M | $25 \%$ | 2.3 M |
| Toyota Tundra | 2.1 M | $28 \%$ | 1.0 M |
| GM Mid-Size Pickup* | 2.6 M | $20 \%$ | 1.2 M |
| Nissan Titan | 569 K | $34 \%$ | 218 K |
| Ford Ranger* | 2.5 M | $15 \%$ | 780 K |
| Dodge Dakota | 981 K | $22 \%$ | Discontinued |
| Nissan Frontier* | 1.2 M | $20 \%$ | 520 K |

*Some models include rebadged variants and other similar models. See index.

## AMERICAN FULL-SIZE PICKUPS ARE KING



## OTHER POPULAR AND EMERGING PICKUPS



## ELECTRIC PICKUPS HAVE ARRIVED

```
Here are three
    upcoming
        electric
    pickups
```



Rivian R1T
Starting at $\$ 67,500$
$-$


Tesla Cybertruck
Starting at \$39,900

## Price

EPA Range Estimates ${ }^{1}$
Projected Sales
Release Date

250-400+ mi
44K (2021-2028)

June 2021
Launch Edition

GMC Hummer Pickup EV


Starting at \$79,995
$250-350+\mathrm{mi}$

63K (2021-2028)
----------------

250-500+ mi

Fall 2021 Hummer EV Edition 1

## SPORTS CARS

## SPORTS CARS IN THE UNITED STATES



| Top Registered Sports Car Models |  |
| :--- | :--- |
| Ford Mustang* | 2.1 M |
| Chevrolet Camaro* | 1.3 M |
| Chevrolet Corvette | 824 K |
| Dodge Challenger* | 594 K |
| MINI Cooper | 516 K |
| Mazda MX5 Miata | 317 K |
| Acura TSX | 278 K |
| Porsche 911 | 234 K |
| Volkswagen GTI | 241 K |
| Mitsubishi Eclipse | 201 K |
| *Some models include rebadged variants and other similar models. See index. |  |

## SPORTS CAR PROFILE AND FUTURE SALES

While new vehicle sales have shifted away from passenger cars, sports cars remain popular for our industry. While not as high volume as other segments, sports cars are sought after by auto enthusiasts who are more likely to accessorize.

The Mustang is the most popular, best-selling sports car in operation today. Other muscle cars, like the Camaro and Challenger, also do well. The Subaru WRX is a popular tuner car among enthusiasts and is also popularly accessorized.

Is a new pony car coming? In 2024, it's anticipated that Dodge will release the Cuda, a resurrection of the classic Plymouth Barracuda. While details are still limited, it is a rumored potential successor to the Dodge Challenger. The Dodge Cuda is expected to sell well and be popular among enthusiasts as well.

While sports cars have traditionally been mostly gas powered, alternative energy platforms are coming. Most of the modern muscle cars have alternative powertrains planned for future model years. Ford has already released an electric Mustang CUV, but also plans a hybrid model of the traditional Mustang for the 2022 model year.

Engine Displacement Profile of Current Sports Cars

Top-Selling Projected Models 2021-2025

| Ford Mustang | 331 K |
| :--- | :--- |
| Dodge Challenger | 160 K |
| Chevrolet Camaro | 150 K |
| Subaru WRX | 147 K |
| Dodge Cuda | 122 K |
| MINI Cooper | 109 K |
| MINI Countryman | 53 K |
| Toyota 86 / Subaru BRZ | 49 K |
| Mazda MX-5 Miata | 42 K |
| Porsche 911 | 28 K |

## SPORTS CAR ACCESSORIZATION PROFILE



Top Products Categories Purchased (in 2019)

## Performance/Special Purpose Tires

Fender, Hood and Body Upgrades
Maintenance Oils and Additives
Body Finishing Products
Brake Products
Wax and Cleaning Products
Head/Tail Lights
Floor Mats and Interior Appearance Products
Exterior Appearance Upgrades
Internal Engine Products

## WHAT ARE THE HOTTEST SPORTS CARS FOR OUR INDUSTRY?

Sports cars are some of the most accessorized and enthusiastowned vehicles on the road today. While produced at much lower numbers than the typical passenger car, accessorizers modify sports cars at a much higher rate and install more complex parts and accessories on their vehicles.

The top sports cars for accessorization are the muscle cars: the Ford Mustang, the Chevrolet Camaro, the Dodge Challenger and Chevrolet Corvette. They have a rich history and are among the most popularly accessorized vehicles on the road today. SEMA forecasts that their popularity for the aftermarket will continue to remain strong and grow.

While the low sales volume of most other sports car models makes it difficult for us to quantify their impact, many other sporty vehicles, such as the Toyota Supra, have generated niche markets within our industry.

Hybrid and electric powertrains are becoming more popular and are coming to these muscle cars. A plug-in hybrid model of the traditional Mustang is expected for MY 2022. Plans are also in the works for hybrids and electrics for the other muscle cars. Time will tell if consumers accessorize these alternative energy vehicles as much as they do their traditional counterparts.

## SEMA Hot Sports Cars for Accessorization

| Vehicle Make/Model <br> (All Model Years) | Vehicles in <br> Operation | Accessorization <br> Rate | Projected Sales <br> (2021-2025) |
| :--- | :---: | :---: | :---: |
| Ford Mustang* | 2.1 M | $34 \%$ | 331 K |
| Chevrolet Camaro* | 1.3 M | $38 \%$ | 150 K |
| Dodge Challenger* | 594 K | $39 \%$ | 160 K |
| Chevrolet Corvette | 824 K | $30 \%$ | 11 K |

*Some models include rebadged variants and other similar models. See index.

[^0]
## THE MODERN AMERICAN MUSCLE CARS


*Vehicles-in-operation counts and accessorization rates includes rebadged variants and similar models

## SUVS



## SUVS IN THE UNITED STATES



| Top Registered SUV Models |  |
| :--- | :--- |
| Chevrolet Tahoe/GMC Yukon | 4.0 M |
| Ford Explorer* | 3.9 M |
| Jeep Grand Cherokee | 3.3 M |
| Jeep Wrangler | 3.2 M |
| Toyota 4Runner | 2.0 M |
| Ford Expedition/Lincoln Navigator | 1.8 M |
| Jeep Cherokee | 1.8 M |
| Chevrolet/GMC Suburban | 1.6 M |
| Kia Sorento | 1.2 M |
| Dodge Durango/Chrysler Aspen | 1.2 M |
| *Some models include rebadged variants and other similar models. See index. |  |

## SUV PROFILE AND FUTURE SALES

The growth of models across categories has blurred the distinction between a traditional SUV and a crossover (or CUV). While both are utility vehicles, crossovers are considered a separate segment as they are built with a unibody platform (commonly used for passenger cars), while SUVs are built on a truck (body-on-frame) platform. While CUVs are expected to continue to grow in popularity and take a bigger share of new vehicle sales, companies continue to support the SUV segment. SUV sales will largely remain the same or even grow slightly over the next decade.

The Jeep Wrangler, a mainstay hit within our industry, continues to be popular among new car buyers. The upcoming Ford Bronco is expected to do extremely well among consumers as well. Many of the SUV models projected to sell well over the next decade are also versatile off-roaders-which often attracts enthusiasts.

Engine Displacement Profile of Current SUVs

Top-Selling Projected Models 2021-2028

| Top-Selling Projected Models 2021-2028 |  |
| :--- | :---: |
| Ford Explorer/Lincoln Aviator | 2.4 M |
| Jeep Grand Cherokee | 1.8 M |
| Ford Bronco/Bronco Sport | 1.6 M |
| Jeep Wrangler | 1.6 M |
| Chevrolet Tahoe/GMC Yukon | 1.4 M |
| Jeep Cherokee | 1.3 M |
| Toyota 4Runner | 1.2 M |
| Jeep Compass | 1.1 M |
| Kia Sorento | 844 K |
| Ford Expedition/Lincoln Navigator | 835 K |

## SUV ACCESSORIZATION PROFILE



| Top Products Categories Purchased <br> (in 2019) |
| :--- |
| Maintenance Oils and Additives |
| Brake Products |
| Head/Tail Lights |
| Body Finishing Products |
| Wax and Cleaning Products |
| Exterior Appearance Upgrades |
| Navigation and Driver Assist Systems |
| Batteries and Related Products |
| Fender, Hood, and Body Upgrades |
| Suspension Products |

## WHAT ARE THE HOTTEST SUVS FOR OUR INDUSTRY?

SEMA Hot SUVs for Accessorization

SUVs are an important part of the specialty-equipment industry. While not as high volume as pickups, SUV enthusiasts often upgrade their vehicles with lifestyle in mind (such as for off-roading or camping) and represent a large share of specialty-equipment industry sales each year.

The Jeep Wrangler is one of the most widely modified vehicles on the road today. Nearly $40 \%$ are upgraded or accessorized during a year. Many SUVs, including the Wrangler and 4Runner, are commonly used offroad and utilize aftermarket products to facilitate that.

Accessorizing other SUV models may focus on the lifestyle and utility advantages their platforms offer.

For more information on the hottest vehicles for the specialty-equipment industry, download the SEMA Accessory Opportunity Report: Hot Cars and Trucks.

| Vehicle Make/Model <br> (All Model Years) | Vehicles in <br> Operation | Accessorization <br> Rate | Projected Sales <br> (2021-2028) |
| :--- | :---: | :--- | :---: |
| Jeep Wrangler | 3.2 M | $39 \%$ | 1.6 M |
| Chevrolet Tahoe/GMC Yukon | 4.0 M | $28 \%$ | 1.4 M |
| Toyota 4Runner | 2.0 M | $33 \%$ | 1.2 M |
| Jeep Grand Cherokee | 3.3 M | $22 \%$ | 1.8 M |
| Ford Explorer* | 3.9 M | $19 \%$ | 2.4 M |
| Cadillac Escalade | 625 K | $32 \%$ | 354 K |
| Jeep Cherokee | 1.8 M | $20 \%$ | 1.3 M |
| Chevrolet/GMC Suburban | 1.6 M | $24 \%$ | 437 K |
| Dodge Durango/Chrysler Aspen | 1.2 M | $23 \%$ | 215 K |
| Ford Expedition/Lincoln Navigator | 1.8 M | $23 \%$ | 835 K |

*Some models include rebadged variants and other similar models. See index.

## POPULAR SUV MODELS



## CUVS



## CUVS IN THE UNITED STATES



| Top Registered CUV Models |  |
| :--- | :--- |
| Honda CR-V | 4.7 M |
| Toyota RAV4 | 4.0 M |
| Ford Escape* | 4.0 M |
| Chevrolet Traverse* | 3.1 M |
| Chevrolet Equinox | 3.0 M |
| Nissan Rogue | 2.7 M |
| Toyota Highlander | 2.5 M |
| Honda Pilot | 2.0 M |
| Subaru Forester | 1.9 M |
| Ford Edge | 1.6 M |
| *Some models include rebadged variants and other similar models. See index. |  |

## CUV PROFILE AND FUTURE SALES

The desire for the efficiency of a passenger car with the functionality of a light truck has contributed to the increased popularity of CUVs among consumers. Projected to make up nearly $50 \%$ of all new vehicles sold by 2028 , CUVs are the fastest-growing segment.

Most, if not all, automakers offer a CUV in their lineup for consumers. Consequently, when looking at the models expected to sell best over the next decade, there are no clear winners. While the Honda CR-V and Toyota RAV4 have historically done well and are expected to sell the most over the next seven years, competitors are not far behind. This makes it difficult to distinguish a clear market winner or dominant platform to develop aftermarket products for.


| Top-Selling Projected Models $2021-2028$ |  |
| :--- | :--- |
| Honda CR-V | 3.2 M |
| Toyota RAV4 | 3.1 M |
| Nissan Rogue | 2.9 M |
| Chevrolet Equinox | 2.5 M |
| Chevrolet Traverse* | 2.2 M |
| Toyota Highlander | 2.1 M |
| Ford Escape | 1.5 M |
| Subaru Forester | 1.5 M |
| Subaru Crosstrek | 1.2 M |
| Mazda CX-5 | 1.1 M |

*Some models include rebadged variants and other similar models. See index

## CUV ACCESSORIZATION PROFILE



| Top Products Categories Purchased <br> (in 2019) |
| :--- |
| Maintenance Oils and Additives |
| Navigation and Driver Assist Systems |
| Floor Mats and Interior Appearance Products |
| Wax and Cleaning Products |
| Body Finishing Products |
| Head/Tail Lights |
| Brake Products |
| Racks and Carriers |
| Fender, Hood and Body Upgrades |
| Exterior Appearance Upgrades |

## WHAT ARE THE HOTTEST CUVS FOR OUR INDUSTRY?

SEMA Hot CUVs for Accessorization
Despite their popularity, CUVs remain a challenging segment for our market. There are currently over 130 models on the road, and more than 170 models projected to be sold from 2021-2028. Unlike pickups, where its clear which models are key, CUVs are extremely diverse and varied. This diversity makes it extremely challenging for our industry to find the platforms that will offer a solid return for developing new products.

Additionally, given their appeal to a broad audience, these vehicles are not as often accessorized and tend to be less enthusiast focused. Nevertheless, given their growing presence on the road, CUVs are an opportunity that our industry needs to identify a viable business path for.

| Vehicle Make/Model <br> (All Model Years) | Vehicles in <br> Operation | Accessorization <br> Rate | Projected Sales <br> (2021-2028) |
| :--- | :---: | :---: | :---: |
| BMW X5 | 620 K | $43 \%$ | 409 K |
| BMW X3 | 519 K | $29 \%$ | 519 K |
| Acura MDX | 905 K | $33 \%$ | 481 K |
| Audi Q5/SQ5 | 487 K | $39 \%$ | 524 K |
| Toyota RAV4 | 4.0 M | $16 \%$ | 3.1 M |
| Ford Escape* | 4.0 M | $15 \%$ | 1.5 M |
| Lexus RX | 1.5 M | $17 \%$ | 836 K |
| Chevrolet Traverse* | 3.1 M | $18 \%$ | 2.2 M |

*Some models include rebadged variants and other similar models. See index.

For more information on the hottest vehicles for the specialty-equipment industry, download the SEMA Accessory Opportunity Report: Hot Cars and Trucks.

## POPULAR CUV MODELS



## TRADITIONAL CARS

Small, Mid Range and Large Vehicle Segments

## TRADITIONAL CARS IN THE UNITED STATES



| Top Registered Traditional Car Models |  |
| :--- | :---: |
| Toyota Camry | 6.9 M |
| Honda Accord | 6.4 M |
| Honda Civic* | 5.8 M |
| Toyota Corolla* | 5.2 M |
| Nissan Altima | 3.8 M |
| Ford Fusion | 2.7 M |
| Chevrolet Malibu | 2.7 M |
| Ford Focus | 2.4 M |
| Chevrolet Impala | 2.3 M |
| Hyundai Elantra | 2.3 M |
| *Some models include rebadged variants and other similar models. See index. |  |

## TRADITIONAL CAR PROFILE AND FUTURE SALES



## SMALL CAR ACCESSORIZATION PROFILE



| Top Products Categories Purchased <br> (in 2019) |
| :--- |
| Maintenance Oils and Additives |
| Wax and Cleaning Products |
| Brake Products |
| Batteries and Related Products |
| Body Finishing Products |
| Navigation and Driver Assist Systems |
| Ignition Products |
| Head/Tail Lights |
| Suspension Products |
| Fender, Hood and Body Upgrades |

## MID RANGE/LARGE CAR ACCESSORIZATION PROFILE



| Top Products Categories Purchased <br> (in 2019) |
| :--- |
| Maintenance Oils and Additives |
| Wax and Cleaning Products |
| Brake Products |
| Body Finishing Products |
| Floor Mats and Interior Appearance Products |
| Head/Tail Lights |
| Navigation and Driver Assist Systems |
| Batteries and Related Products |
| Fender, Hood and Body Upgrades |
| Ignition Products |

## WHICH TRADITIONAL CARS ARE HOT FOR OUR INDUSTRY?

SEMA Hot Traditional Cars for Accessorization
Despite their large presence on the road today, traditional cars are not as extensively accessorized as some other segments. As styles have changed and models have grown, these cars have sometimes become less enthusiast friendly and geared towards the broader market. However, they still tend to be popular among young accessorizers, as they typically are cheaper to buy than larger vehicles like CUVs.

The Honda Civic is commonly accessorized, but other models are not far behind. The Civic was historically a popular tuner car but its size has since grown to attract more buyers. This has pushed it from a subcompact to mid range vehicle, making newer models more expensive and less appealing to accessorizers. Other models, like the Dodge Charger, are extremely popular with our industry. Chargers attract a lot of interest from enthusiasts and have a rich history as a pony car. Most traditional cars, however, only attract more general aftermarket accessories and have little enthusiast appeal.

For more information on the hottest vehicles for the specialty-
equipment industry, download the SEMA Accessory Opportunity Report: Hot Cars and Trucks.

| Vehicle Make/Model <br> (All Model Years) | Vehicles in <br> Operation | Accessorization <br> Rate | Projected Sales <br> (2021-2028) |
| :--- | :---: | :---: | :---: |
| Honda Civic* | 5.8 M | $21 \%$ | 2.4 M |
| Toyota Corolla* | 5.2 M | $17 \%$ | 1.9 M |
| Toyota Camry | 6.9 M | $18 \%$ | 2.5 M |
| Honda Accord | 6.4 M | $19 \%$ | 1.6 M |
| Dodge Charger | 1.1 M | $40 \%$ | 702 K |
| Subaru Impreza* | 946 K | $25 \%$ | 406 K |
| Nissan Maxima* | 1.1 M | $20 \%$ | 10 K |
| Nissan Altima | 3.8 M | $20 \%$ | 969 K |
| Ford Focus | 2.4 M | $19 \%$ | Discontinued |
| Volkswagen Jetta* | 1.8 M | $19 \%$ | 632 K |

*Some models include rebadged variants and other similar models. See index.

## POPULAR TRADITIONAL CARS



## UPSCALE CARS

## ,

## UPSCALE CARS IN THE UNITED STATES



Top Registered Upscale Car Models

| BMW 3 Series | 1.7 M |
| :--- | :--- |
| Lexus ES | 1.0 M |
| Mercedes-Benz C Class | 1.0 M |
| Mercedes-Benz E Class | 922 K |
| BMW 5 Series | 799 K |
| Acura TL/TLX | 778 K |
| Audi A4* | 576 K |
| Lexus IS | 534 K |
| Lincoln Town Car/Continental | 529 K |
| Cadillac CTS | 512 K |

*Some models include rebadged variants and other similar models. See index.

## UPSCALE CAR PROFILE AND FUTURE SALES



## UPSCALE CAR ACCESSORIZATION PROFILE



| Top Products Categories Purchased <br> (in 2019) |
| :--- |
| Maintenance Oils and Additives |
| Brake Products |
| Body Finishing Products |
| Wax and Cleaning Products |
| Head/Tail Lights |
| Fender, Hood and Body Upgrades |
| Navigation and Driver Assist Systems |
| Floor Mats and Interior Appearance Products |
| Exterior Appearance Upgrades |
| Performance/Special Purpose Tires |

## WHAT UPSCALE VEHICLES ARE HOT FOR OUR INDUSTRY?

| Like sports cars, upscale cars are a low-volume but impactful segment for our industry. Upscale cars accounted for around 8\% of all specialty-equipment U.S. retail sales in 2019, or roughly | SEMA Hot Upscale Cars for Accessorization Rankings |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Vehicle Make/Model (All Model Years) | Vehicles in Operation | Accessorization Rate | Projected Sales (2021-2028) |
| $\$ 3.48$ billion. Upscale cars are a highly enthusiast-focused segment, and accessorizers tend to install more aftermarket | BMW 3 Series | 1.7M | 37\% | 280K |
| parts on them than the average vehicle. The enthusiasts who traditionally owned "tuner" cars may have grown to the upscale | Audi A4* | 576K | 40\% | 177K |
| young accessorizers as well. | Mercedes-Benz C Class | 1.0M | 20\% | 264K |
| European upscale cars are particularly hot for our industry, notably the BMW 3 Series, BMW 5 Series and Audi A4. Exterior appearance and body products are especially common among | BMW 5 Series | 799K | 35\% | 233K |
| these vehicles. | Lexus ES | 1.0M | 16\% | 297K |

For more information on the hottest vehicles for the specialtyequipment industry, download the SEMA Accessory Opportunity Report: Hot Cars and Trucks.

## POPULAR UPSCALE CARS



## VANS IN THE UNITED STATES



Vehicle Age


| Top Registered Van Models |  |
| :--- | :--- |
| Honda Odyssey | 2.3 M |
| Dodge Caravan/Grand Caravan | 2.3 M |
| Toyota Sienna | 2.0 M |
| Chrysler/Plymouth Town \& Country | 1.4 M |
| Ford E350 | 928 K |
| Chevrolet Express 3500 | 549 K |
| Chevrolet Express 2500 | 538 K |
| Ford E250 | 472 K |
| Ford E150 | 395 K |
| Kia Sedona | 387 K |

## VAN PROFILE AND FUTURE SALES

Compared to other segments, vans are neither popular on the road nor highly accessorized. The most common vans are minivans and are primarily functional and family-oriented. While some are accessorized, most consumers who buy parts for vans are not enthusiasts. The most popular van on the road today is the Honda Odyssey, which is expected to sell nearly 700,000 vehicles over the next seven years. The projected top-selling model is the Ford Transit, which is primarily used in business settings.

Most vans are gasoline powered, but electric vans are in development. There is also significant investment in autonomous technology for vans, to facilitate business operations.


| Top-Selling Projected Models 2021-2028 |  |
| :--- | :---: |
| Ford Transit | 1.2 M |
| Honda Odyssey | 695 K |
| Chevrolet Express | 558 K |
| Toyota Sienna | 557 K |
| Ram Promaster | 467 K |
| Chrysler Voyager | 369 K |
| Mercedes Sprinter Van | 329 K |
| Ford Econoline | 268 K |
| Ford City Van | 247 K |
| GMC Savana | 175 K |

## VAN ACCESSORIZATION PROFILE


Top Products Categories Purchased
(in 2019)

## CLASSICS

SEMA Defines Classics as Cars and Trucks Model Year 1973 and Earlier



## CLASSIC CARS ACCESSORIZATION PROFILE



Share of Classic Owner
Accessorizers in 2019


While low volume, classic cars (model year 1973 and earlier) have significant interest from enthusiasts in our industry. Nearly three-quarters of all accessorizers who work on their classic are enthusiasts. Whether for full restoration or for a restomod upgrade, accessorizers of classic vehicles tend to spend significant time and investment on their vehicle-and often install highly enthusiast parts and accessories as part of their projects.

| Top Products Categories Purchased <br> (in 2019) |
| :--- |
| Carburetor and Fuel System Products |
| Maintenance Oils and Additives |
| Wax and Cleaning Products |
| Brake Products |
| Ignition Products |
| Suspension Products |
| Exhaust Products |
| Internal Engine Products |
| Dash System and Gauges |
| Performance/Special Purpose Tires |

## SEMA CONSIDERS PRE-1974 VEHICLES AS CLASSICS, BUT THE DEFINTION VARIES AMONG THE INDUSTRY

What Businesses Say Makes a Vehicle Classic
Top Classic Vehicle Segments for the Industry
Top 3 as Chosen by Industry Businesses

| $24 \%$ |
| :---: |
| $18 \%$ |
| $25 \%$ |
| $14 \%$ |
| $12 \%$ |
| $7 \%$ |



## ALTERNATIVE POWER <br> AND THE FUTURE OF ELECTRICS

## ALTERNATIVE POWER CARS IN THE UNITED STATES



Top Registered Alternative Power Models

| Toyota Prius* | 2.0 M |
| :--- | :--- |
| Tesla Model 3 | 360 K |
| Lexus RX EV | 186 K |
| Tesla Model S | 164 K |
| Chevrolet Volt | 143 K |
| Ford C-Max | 125 K |
| Honda Insight | 118 K |
| Nissan Leaf | 113 K |
| Kia Niro | 93 K |
| Tesla Model X | 90 K |

*Some models include rebadged variants and other similar models. See index.

## ALTERNATIVE POWER PROFILE AND FUTURE SALES

Hybrids currently make up the bulk of the alternative energy segment. However, electrics are growing in popularity and numbers. While still low volume, most of the growth of electrics is tied to Tesla. Tesla dominates sales and is expected to continue to do so over the next decade-driven by the Model Y and the Model 3.

Many automakers are adding alternative energy powertrains to their most popular models. Full-size pickups, like the Ford F-150, already have hybrid models. The new electric Mustang Mach-E is expected to do well, with sales forecasted to reach over 330,000 by 2028.

The technology and electrical systems that power alternative energy vehicles make this a challenging segment for our industry, particularly for under-thehood, performance-type upgrades. These vehicles tend to not be accessorized as highly as other segments and their volume remains low. As these vehicles become more popular, it will be important for the specialty-equipment industry to better understand how aftermarket products can interact with these vehicles.

Engine Displacement Profile of Current Alternative Power Vehicles


Powertrain Breakdown of Current Alternative Power Vehicles

Top-Selling Projected Models 2021-2028

| Tesla Model Y | 826 K |
| :--- | :--- |
| Tesla Model $\mathbf{3}$ | 631 K |
| Toyota Prius | 372 K |
| Ford Mustang Mach E | 334 K |
| Chevrolet Bolt EV | 192 K |
| Tesla Cybertruck | 145 K |
| Chevrolet E-Van | 134 K |
| Honda Insight | 132 K |
| Nissan Ariya | 130 K |
| Tesla Model X | 129 K |

0\%
Diesel

## ALTERNATIVE POWER ACCESSORIZATION PROFILE



Share of Alternative Power
Owner Accessorizers in 2019


| Top Products Categories Purchased <br> (in 2019) |
| :--- |
| Fender, Hood and Body Upgrades |
| Wax and Cleaning Products |
| Maintenance Oils and Additives |
| Floor Mats and Interior Appearance Products |
| Body Finishing Products |
| Suspension Products |
| Brake Products |
| Exterior Appearance Upgrades |
| Batteries and Related Products |
| Navigation and Driver Assist Systems |

## ELECTRIFICATION IS GROWING BUT NOT MAINSTREAM



> By 2026, IHS estimates that there will be 130 electric models available across 43 brands in the United States.

Sales of alternative energy vehicles are growing, but it will be a while before they are mainstream. Traditional internal-combustion engines will remain dominant for the foreseeable future. In 2025, gasoline engines are projected to still make up $82 \%$ of overall sales.

Electrics are growing, but in 2020, electrics only accounted for about $2 \%$ of sales. By 2025, we anticipate that number will jump to $7 \%$. While this still may only represent a small share of vehicles, the percentage is growing at a very fast pace. Much of this can be attributed to the increase in the number of models available. By 2026, IHS estimates that there will be 130 electric models available across 43 brands. Electric powertrains will soon be available for every segment. What parts will people buy? Will consumers still accessorize electric pickups at the same rates? These will be important questions for the future.

That said, there are significant barriers to mainstream electric adoption. Lack of charging infrastructure, battery and range limitations, steep prices, and overall comfort level with the technology need to be overcome before there is general acceptance.

## GLOBAL ACCEPTANCE OF ELECTRIC AND ALTERNATIVE ENERGY VEHICLES VARIES



Global acceptance of electric and other alternative energy powertrains varies country to country, with the United States behind many. In 2021, $74 \%$ of Americans still preferred a traditional internal-combustion engine (ICE) for their next vehicle and only $5 \%$ said they wanted a battery electric (BEV). Compare that to South Korea, where $57 \%$ of the population prefers an alternativeenergy powertrain for their next vehicle.

Americans still have a long way to go in their comfort level before they start to buy electric vehicles in large numbers. Consumers have not fully bought into the technology. They also don't believe there are enough charging stations or that they will be able to drive where they want to (sufficient range). Until more infrastructure is developed, and some of these consumer fears are reconciled, it will take a while before electrics have a strong presence on the road in the U.S.

## TESLAS CONTINUE TO DOMINATE SALES

Annual Sales of Select Electric Vehicle Models

Sales Forecast for Select Alternative Power Vehicles

|  | Projected <br> 2021-2028 Sales |
| :--- | :---: |
| Tesla Model Y | 826 K |
| Tesla Model 3 | 631 K |
| Toyota Prius | 372 K |
| Ford Mustang Mach E | 334 K |
| Chevrolet Bolt EV | 192 K |
| Tesla Cybertruck | 145 K |
| Chevrolet E-Van | 134 K |
| Honda Insight | 132 K |
| Nissan Ariya | 130 K |
| Tesla Model X | 129 K |

Tesla will continue to dominate electric vehicle sales for at least the near future. Across all their different models, they are projected to sell nearly 1.9 million vehicles over the next eight years. As more electric models come out, they will likely eat into some of Tesla's market share, but Tesla will continue to lead the way.

## 41,000

Level 2 and DC Fast Charging Stations
Across Entire United States (as of March 17,2021)
vs.

## >113,000

Gasoline Stations in the United States

|  | EPA Range <br> Estimate* |
| :--- | :---: |
| $\mathbf{2 0 2 1}$ Tesla Model 3 | 353 mi |
| $\mathbf{2 0 2 1}$ Chevrolet Bolt EV | 259 mi |
| $\mathbf{2 0 2 1}$ Nissan Leaf | 226 mi |
| $\mathbf{2 0 2 1}$ Kia Niro Electric | 239 mi |
| 2021 Hyundai Kona Electric | 258 mi |
| $\mathbf{2 0 2 1}$ Ford Mustang Mach E | $211-300 \mathrm{mi}$ |
| $\mathbf{2 0 2 1}$ Audi eTron | 222 mi |
| $\mathbf{2 0 2 1}$ Porsche Taycan | $192-201 \mathrm{mi}$ |

Electric vehicle range is highly variable, as many different factors can affect battery efficiency. Battery efficiency also degrades over time.

One key difference from traditional vehicles: cold weather affects range dramatically. Some drivers report significant range decreases (over $40 \%$ ) in the cold. This will also limit mainstream adoption in parts of the country.
*Assuming $100 \%$ charge and ideal driving conditions. Range also varies by vehicle package and driving conditions.

Charging stations, particularly fast charging, are still limited in the United States. While batteries continue to improve and push the ranges these vehicles can reach, electrics take much longer to fuel up than traditional engines. Even with the fastest charging stations (DC Fast Charging), it still takes 60-90 minutes to fully charge a battery to $100 \%$. The infrastructure is not in place in the U.S. to support a wide-reaching network of these types of fast charging stations either, at least not yet. The most common electric charging station found in the U.S. are Level 2 stations, which can charge the average electric vehicle in eight hours or less-considerably slower. The technology will get better and faster charging will develop, but right now it's a limiting factor. Until the infrastructure improves, it will be challenging for electric vehicles to become fully mainstream, particularly for people who are unable to install faster charging options at home.

## HOW LONG DOES IT TAKE TO CHARGE AN ELECTRIC?

Charging time and range gained, particularly outside of a fast-charging station, varies by vehicle model, charger type and outlet used. Using a charger on a regular home outlet takes a significant amount of time, making topping off quickly unlikely. But even a fast charger takes some time to fully charge. Look at the 2021 Ford Mustang Mach-E, for instance:


## ELECTRIC CARS ARE NOT NECESSARILY CHEAPER TO FUEL THAN A TRADITIONAL CAR



When the price of a gallon of gasoline is compared to a comparable amount of electricity, electricity is cheaper. However, when it comes to charging an electric vehicle, that doesn't mean it's cheaper to "fill up".

Take a Chevy Bolt EV for instance charging at a Level 2 station, the most common charging station in the United States. The Bolt gets 25 miles per hour of Level 2 charging. Charges vary, but the Blink charging network charges $\$ 0.04-\$ 0.06$ per minute or $\$ 0.39-0.79$ per kWh of charging (where allowed). At that rate, it would cost $\$ 2.40-\$ 3.60$ to get 25 miles of range. This could be more expensive than a gallon of gas which would provide the same or more range in a traditional car.

Level 3 charging stations are significantly faster. These stations can deliver $80 \%$ charge in 30-60 minutes and include Tesla's supercharger network. However, they are also more costly. At the highest level of charging, costs can be up to $\$ 0.29$ per minute or higher. Take a VW eGolf for instance, which would cost $\$ 3.62$ per 25 miles. Compare that to an average price of $\$ 2.26$ to fill up a standard Golf for the same distance.

If they cost more to drive, will consumers turn away from gas engines and move to electrics?

## WILL THE JEEP 4XE BE A HIT FOR OUR INDUSTRY?



Price
Starting at $\$ 47,995$

Range

Release Date
370 mi

Early 2021

Jeep Wrangler 4xE
The traditional Jeep Wrangler continues to be a hot-selling platform for our industry. Will the new hybrid electric Jeep Wrangler 4xe also gain similar interest among enthusiasts, particularly for off-roading? We anticipate that this new platform will also garner aftermarket interest, particularly for where the parts are compatible with gas-engine models. The new powertrain, however, will require a new strategy for upgrading performance.

## THE MUSTANG MACH-E IS HERE, BUT WILL ENTHUSIASTS BUY IT?



2021 Ford Mustang Mach-E

## Price <br> Range <br> Projected Sales <br> Total Registered At End of 2020

The new Ford Mustang Mach-E CUV is finally here. While it shares the Mustang nameplate, it is a completely different vehicle-in a different segment and with a new powertrain. It is expected to sell well over the next decade, but will it be a hit for our industry? The Mustang traditionally is a versatile platform for enthusiasts. Will the Mach-E be one as well?

Automakers will continue to push out alternative energy platforms of their most popular vehicles. It's important for the specialty-equipment industry to adapt to this changing vehicle landscape and develop products and accessories for this growing segment.

## ADVANCED VEHICLE TECHNOLOGY



## ADVANCED DRIVING ASSIST SYSTEMS (ADAS) ARE BECOMING MORE COMMON

Top ADAS OEM Installations on New Cars (MY 2020 Vehicles)

|  | MY 2020 <br> Installation Rate |
| :--- | :---: |
| Rear Object Sensor Camera | $100 \%$ |
| Collision Warning | $75 \%$ |
| City Speed Interval Mitigation | $74 \%$ |
| Total Collision Mitigation | $74 \%$ |
| Low Speed Interval Mitigation | $74 \%$ |
| Lane Departure Alert | $68 \%$ |
| Adaptive Pedestrian Detection | $64 \%$ |

Advanced driving assist systems (ADAS) and other advanced vehicle technologies are becoming more common in new vehicles. As per the National Highway Traffic Safety Administration (NHTSA), all new vehicles built after May 1, 2018, have a rear camera standard. Looking at model year

For more information on ADAS systems and aftermarket opportunity for them, download the "SEMA Advanced Technology Opportunity Report 2017" at www.sema.org/research.

5 Parking-Assistance Systems

- Passive Parking Assist
-Automated Parking Assistance
-Autonomous Valet
-Lane Keep Assist "Nudge" (LKA)
-Lane Centering

7 Connected Vehicle Systems
-Dedicated Short-Range
Communication (

- Commercial Cellular
-Other Communication Technologies
2
Automated Performance Enhancement Systems
-Anti-Lock Braking Systems ( )
-Traction Control ( )
-Electronic Stability Control ( )
- Specialty Applications


## Advanced Cruise Control Systems

- Adaptive Cruise Control (ACC)
-Low-Speed ACC: Traffic-Jam Assist
-Full-Speed ACC
-Cooperative Adaptive Cruise Control: Platooning (CACC)

6 Driver Vision Augmentation
-Adaptive Headlights
-Dynamic Responsive Headlights
-Infrared Night-Vision Display
-Heads-up Display ( )
3

2020 vehicles, approximately $75 \%$ had a collision warning system installed, and over two-thirds had lane departure alert. As these features become more common, it may become more challenging to integrate some aftermarket products with them. There likely will be a market also for ADAS in older vehicles as well, as these systems become more common in newer vehicles.

## FULLY AUTONOMOUS VEHICLES ARE STILL MANY YEARS DOWN THE ROAD

 I the order of several decades, if not further away." But society, law and morals aren't ready, and won't be for many years."

Forbes
August 2020

## California Autonomous Vehicle <br> Testing in 2020

- 63 companies testing
- 650 AVs reported mileage
- Nearly 2M AV miles reported
- 3695 reported incidents requiring human-driver intervention
-     -         -             - 

While most Americans feel that advanced technologies in their vehicle make them safer, there is still a fair degree of uncertainty-particularly for vehicle autonomy. Nearly threequarters are afraid to ride in a self-driving vehicle, and half are skeptical of the technology.

A lot of capital is being invested in autonomous technology. However, we are still far away from having fully autonomous vehicle fleets on the road. Companies continue to test the technology, but there are still significant legal and ethical issues that will take much longer to resolve.

## ADDITIONAL INFORMATION



## GLOSSARY / VEHICLE NET DEFINITIONS

Vehicle models with rebadged variants or that were otherwise extremely similar to other vehicle models were combined for simplicity in the analysis. Here are netted models referenced in the report:

| Audi A4 | Audi A4, S4, RS4 |
| :---: | :---: |
| Audi Q5 | Audi Q5, SQ5 |
| Chevrolet Camaro | Chevrolet Camaro, Pontiac Firebird |
| Chevrolet Suburban | Chevrolet or GMC Suburban |
| Chevrolet Tahoe | Chevrolet Tahoe, GMC Yukon |
| Chevy Traverse | Chevrolet Traverse, Buick Enclave, Saturn Outlook, GMC Acadia |
| Dodge Challenger | Dodge Challenger, Plymouth Barracuda |
| Dodge Dakota | Dodge/Ram Dakota, Mitsubishi Raider |
| Dodge Durango | Dodge Durango, Chrysler Aspen |
| Ford Escape | Ford Escape, Mazda Tribute, Mercury Mariner |
| Ford Explorer | Ford Explorer, Mercury Mountaineer, Lincoln Aviator, Mazda Navajo |
| Ford Expedition | Ford Expedition, Lincoln Navigator |


| Ford Mustang | Mercury Capri (model years 1979-1993 only), Ford Mustang. Excludes the Mustang Mach-E. |
| :---: | :---: |
| Ford Ranger | Ford Ranger, Ford Courier, Mazda B-Series |
| GM Full Size Pickup | Chevrolet or GMC C/K Series Pickup, Chevrolet Silverado, Chevrolet Avalanche, GMC Sierra, Cadillac Escalade EXT. |
| GM Mid-Size | Chevrolet S10 Pickup, GMC S15 Pickup, Chevrolet Colorado, GMC Sonoma, GMC Canyon, Isuzu I Series, Isuzu Hombre. |
| Nissan Frontier | Nissan Frontier, Suzuki Equator |
| Nissan Maxima | Nissan/Datsun Maxima, Nissan/Datsun 810, Infinti I30, Infiniti I35 |
| Nissan Rogue | Nissan Rogue, Nissan Rogue Sport, Nissan Rogue Select |
| Subaru Impreza | Subaru Impreza, Subaru Hatchback, Saab 9-2X |
| Toyota Corolla | Toyota Corolla, Scion iM |
| Toyota Prius | Toyota Prius, Prius C, Prius V, Prius Prime |
| VW Jetta | Volkswagen Jetta, Volkswagen Jetta GLI |

## WANT TO LEARN MORE?

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# 2020 SEMA Market Report <br> SEMA Future Trends - January 2021 <br> SEMA State of the Industry - Fall 2020 

SEMA Vehicle Opportunity Report: Hot Cars and Trucks
Modern Muscle Car Accessorizer Report
SEMA Jeep Wrangler Report
Advanced Vehicle Technology Opportunity Report
SEMA Pickup Report

## SEMA Member VIO Program

Adding a new product? Looking to expand? Our members-only VIO program can tell you how many vehicles (and thus potential customers) are out there for your products. New vehicle sales data also available to members. Learn more at www.sema.org/VIO.

## Questions?

Comments and suggestions appreciated. Happy to provide clarifications. SEMA Market Research is here to help.

Download all SEMA Market Research reports at www.sema.org/research.

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[^0]:    For more information on the hottest vehicles for the specialtyequipment industry, download the SEMA Accessory Opportunity Report: Hot Cars and Trucks.

