

HYBRID AND ELECTRIC VEHICLE COMPONENTS

1

Over 7,900 parts for hybrid vehicles are available from NAPA® Echlin® and NAPA® Temp

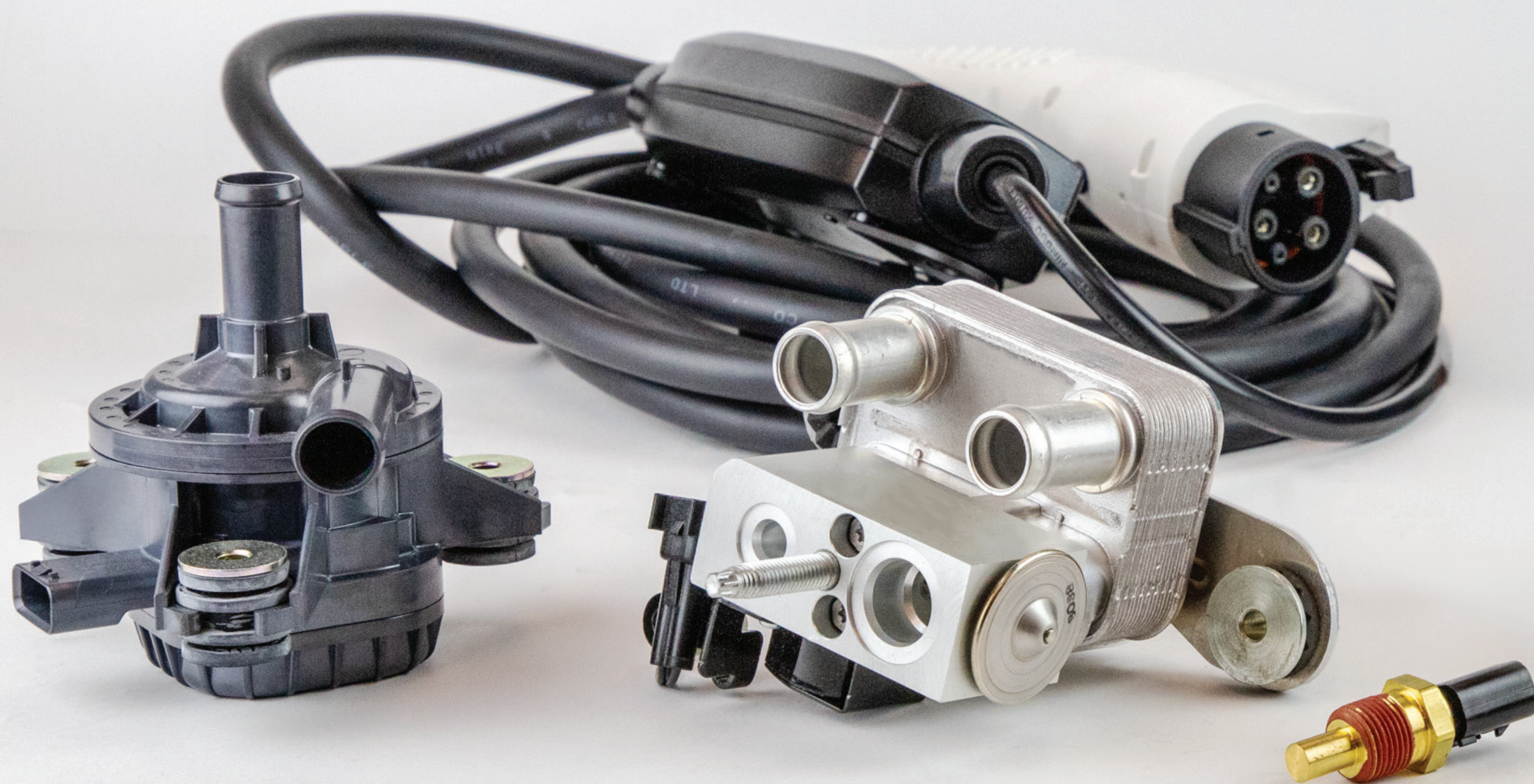
2

More than 2,300 parts for electric vehicles are offered by NAPA® Echlin® and NAPA® Temp

3

Many of the same parts that fail on Internal Combustion Engine (ICE) vehicles also fail on hybrids and EVs

**What's in your box?™
Here's what's in ours.**

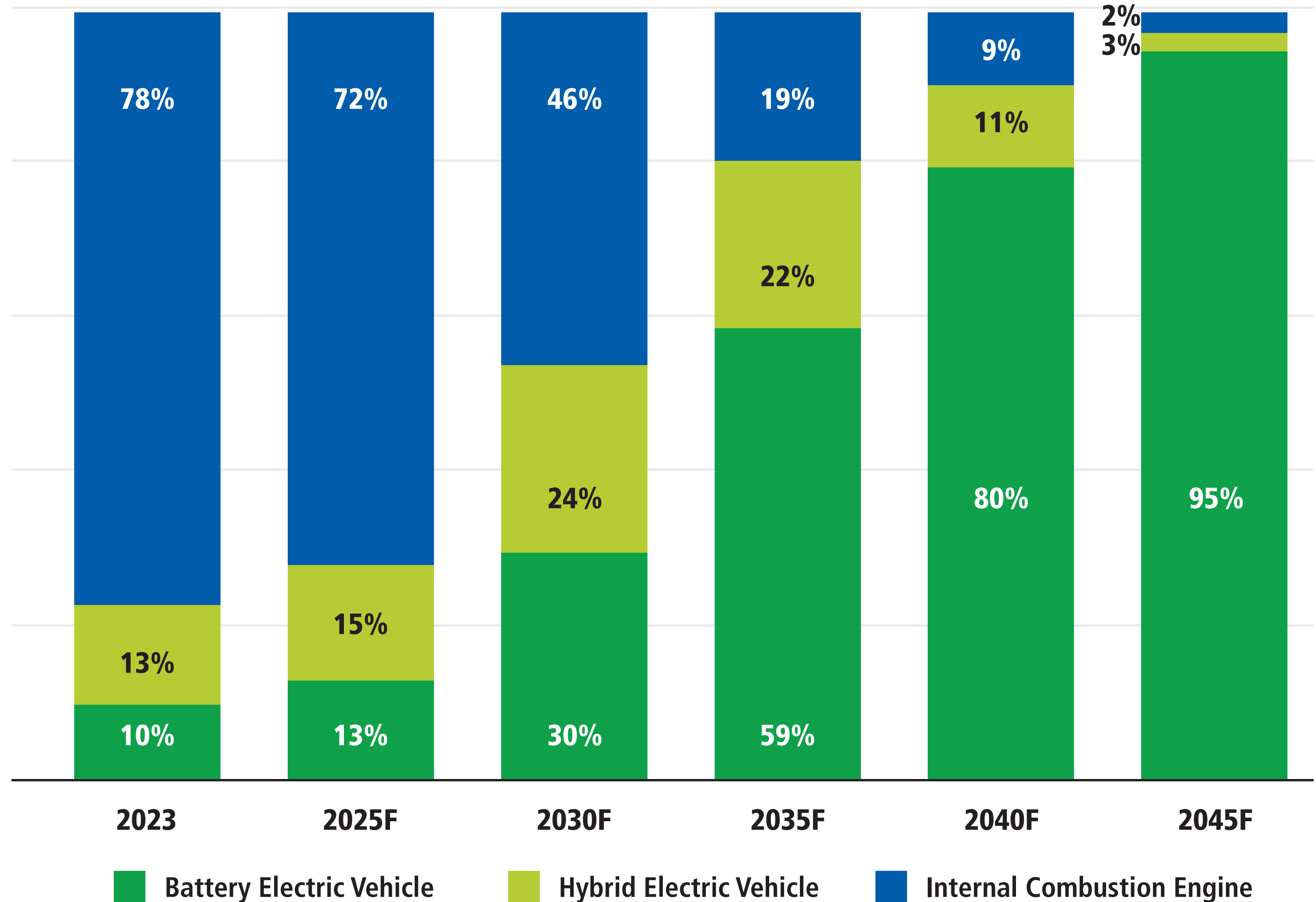


Growing Market

Today, around 23% of all vehicles sold have an electric powertrain (this includes hybrids). This number is expected to grow in the coming years. By 2030, more than half of new vehicles will have some type of electric powertrain, with around 30% being full electric.

Electric vehicles are projected to represent 80% of all new vehicles sold in 2040. These projections could prove accurate, but we also know it is possible that consumers will still prefer to purchase ICE vehicles. Regardless of how the vehicles of the future are powered, we are equipped to help technicians service them.

U.S. New Vehicle Sales by Powertrain

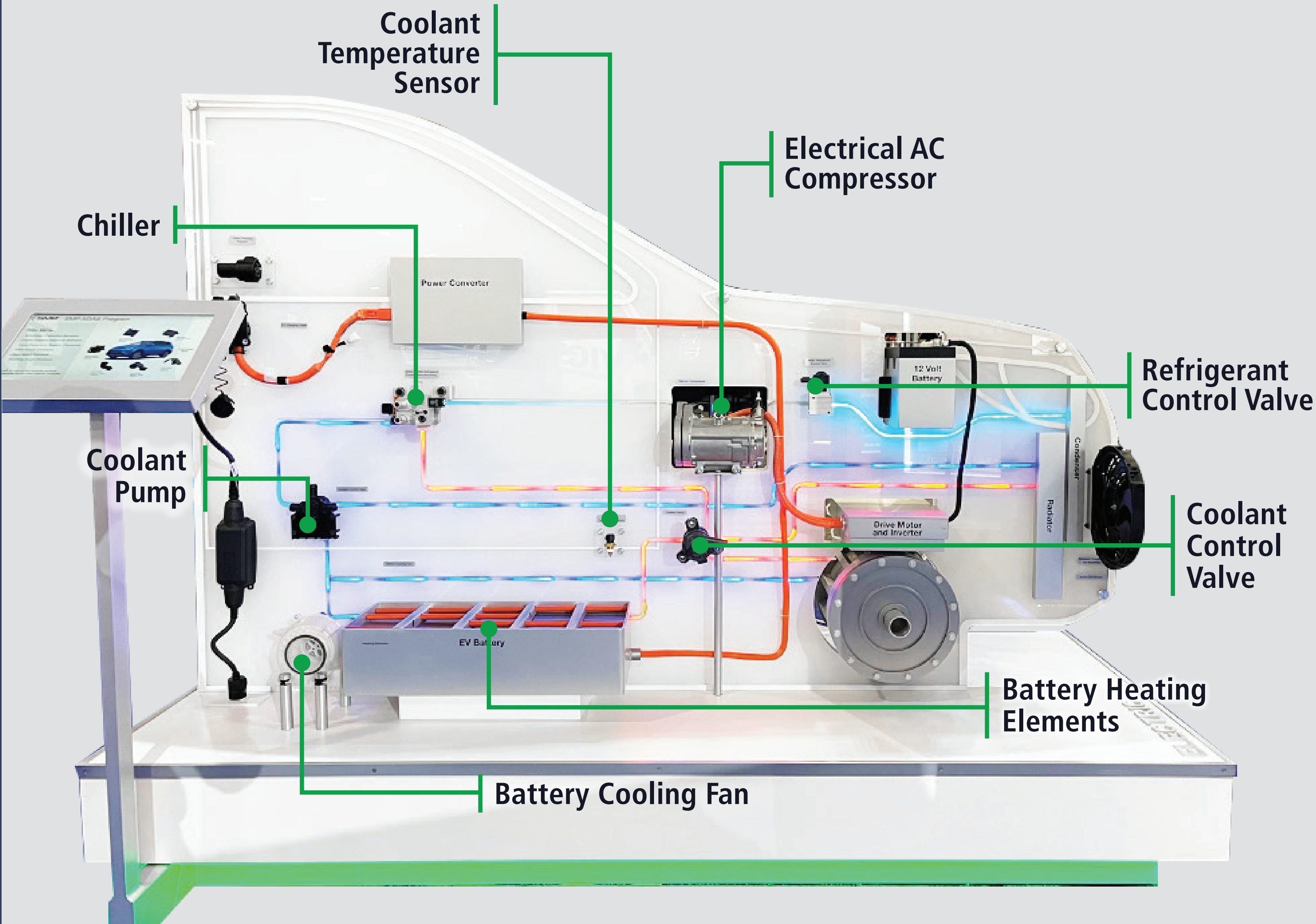


Source: 2024 Joint EV Trends and Outlook Forecast, Auto Care Association and MEMA Aftermarket

New Opportunities

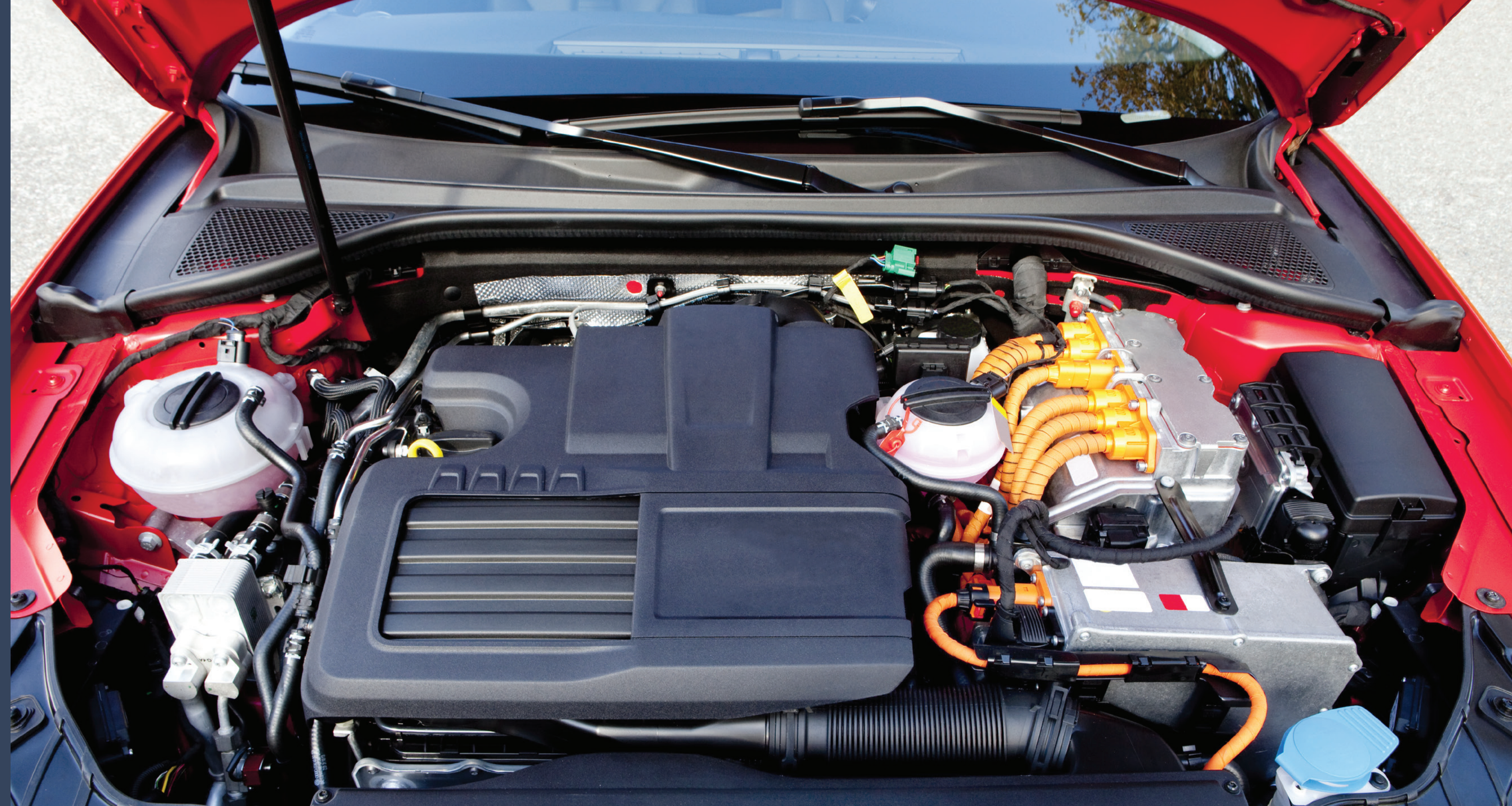
Hybrid and electric vehicles represent new and different service opportunities. AC compressors are becoming larger and electrical rather than belt driven, electric vacuum pumps are required for adequate braking assistance and multiple new components are used for heating and cooling the large drive batteries. NAPA® Echlin® and NAPA® Temp are leading the way with aftermarket solutions for these new and growing categories.

NAPA® Echlin® and NAPA® Temp Electric Vehicle Display



Opportunities

Despite all of the news around EVs, hybrid vehicles continue to lead the way for alternative powertrains in both vehicle registrations and new vehicle sales. In fact, there are three hybrids on the road for every one full-electric vehicle, and hybrids are outselling EVs almost two to one. Aftermarket service opportunities for alternative powertrains will continue to be led by hybrid vehicles for the foreseeable future. This is great for the aftermarket, as these vehicles feature complex powertrain systems with more components compared to traditional ICE vehicles.



ABS Speed Sensors

ADAS

Blower Motor Resistors

Cam & Crank Sensors

Electronic Throttle Bodies

EVAP

Fuel Injection

Ignition Coils

Switches

TPMS

Variable Valve Timing

Battery Cooling

Charging Cables

Climate Control

...and more

What's New

Temp Electric Coolant Pumps

Hybrid and electric vehicles utilize electric coolant pumps to keep the battery and the drive motor operating at the optimum temperature. NAPA® Temp now offers coverage for nearly 9 million hybrid and electric vehicles and is regularly adding new high-quality pumps.

For the very latest applications, please visit NAPATemp.com.



299093

Lexus RX450h (2022-16)
Toyota Prius C (2019-18)



299079

Tesla Model 3 (2023-17)
Tesla Model Y (2023-20)



299087

Audi A4 (2024-21)
Audi SQ8 (2024-21)



299075

Honda Clarity (2021-17)
Honda Insight (2022-19)



What's New

Echlin® Hybrid and Electric Vehicle Components

As hybrid and electric vehicles grow in popularity, many of the components used on them are model-specific and do not fit other vehicles. Echlin® has the resources and manufacturing expertise to introduce these components quickly so that you have a quality aftermarket solution, without having to go to the dealer.

For the most current applications, be sure to check out our catalog at NAPAEchlin.com.



EPA032

Parking Brake Actuator
Audi A3 Sportback e-tron (2018-16)
VW e-Golf (2019-15)



PAS1754

Park Assist Sensor
Ford Mustang Mach-E
(2023, 2021)



533657

ABS Speed Sensor
Chevrolet Bolt EV
(2023-17)



GLS156

Liftgate Motion Sensor
Ford Mustang Mach-E
(2023-21)



Hybrid Vehicle Coverage

With an aging population and almost 10 million vehicles on the road, service opportunities for hybrids are on the rise. NAPA® Echlin® and NAPA® Temp have thousands of replacement parts for import and domestic hybrid vehicles.

Hybrid Coverage

7,900
PARTS

150
MODELS

NAPA® Echlin® and NAPA® Temp have 200+ parts for the 2014 Toyota Highlander Hybrid



Electric Vehicle Coverage

Electric cars are still cars, and many of the same parts that fail on gas-powered cars fail on electric cars. NAPA® Echlin® and NAPA® Temp offer more than 2,500 parts for electric vehicles and our coverage is continuing to expand.

EV Coverage

2,500+
PARTS

75
MODELS

NAPA® Echlin® and NAPA® Temp have 50+ parts for the 2019 Chevrolet Bolt EV



Tesla Coverage

Teslas remain the most popular electric vehicles on the road. NAPA® Echlin® and NAPA® Temp have multiple components for a variety of Tesla-specific systems.

NAPA® Echlin® and NAPA® Temp Tesla Coverage



Charging Cables & Adapters

Quick, reliable charging is critical for the daily use of electric vehicles. Echlin® offers both universal and vehicle-specific charging cables as well as an adapter that allows Tesla owners to charge their vehicles at any charging station.

For the most recent applications, check the online catalog at NAPAEchlin.com.

Did You Know

Charging EVs and PHEVs generates a lot of heat in the battery. The battery cooling system must be operating properly for the vehicle to charge.



EBC303

Charging Cable
Toyota Cars & SUVs
(2022-10) VIO: 822K



EBC301

Universal Charging Cable
Import & Domestic Cars & SUVs
VIO: Universal



EBC300

Charging Adapter
Tesla Cars & SUVs
(2024-08) VIO: 1.6M



Temp Battery Cooling Fans

Batteries in hybrid and electric vehicles require constant cooling. A quality cooling fan helps extend both battery life and the range of the vehicle. NAPA® Temp offers multiple Battery Cooling Fans for popular import and domestic hybrid vehicles. For a complete list of applications, visit NAPATemp.com.

Did You Know

An excessive amount of debris can get ingested into battery cooling fans, causing premature failure. Ensure the inlet to the fan is clean to ensure proper airflow and prevent overheating.



412785

Toyota & Lexus Hybrid Cars
(2017-10)
VIO: 816K



412782

Toyota Hybrid Cars
(2009-04)
VIO: 387K



412784

Toyota & Lexus Hybrid Cars
(2020-18)
VIO: 58K



412778

Honda Hybrid Cars
(2016-05)
VIO: 116K



412777

GM Hybrid Cars
(2018-11)
VIO: 139K



412775

Ford & Lincoln Hybrid Cars
(2018-13)
VIO: 358K

Powertrain- Neutral Components

NAPA® Echlin® and NAPA® Temp have more than 50,000 parts that are powertrain neutral. That means the parts are the same whether the powertrain is gas, diesel, hybrid or electric.

Hybrids and EVs use the very same ADAS components, AC compressors and thousands of other switches, sensors, actuators and connectors as their ICE counterparts.

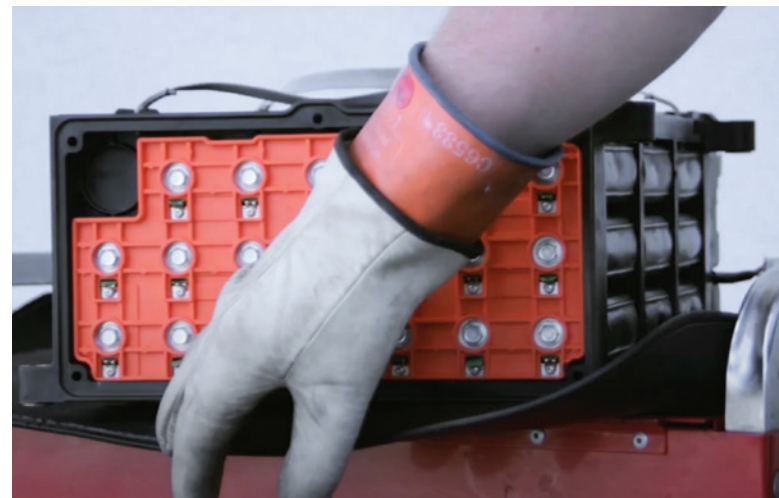
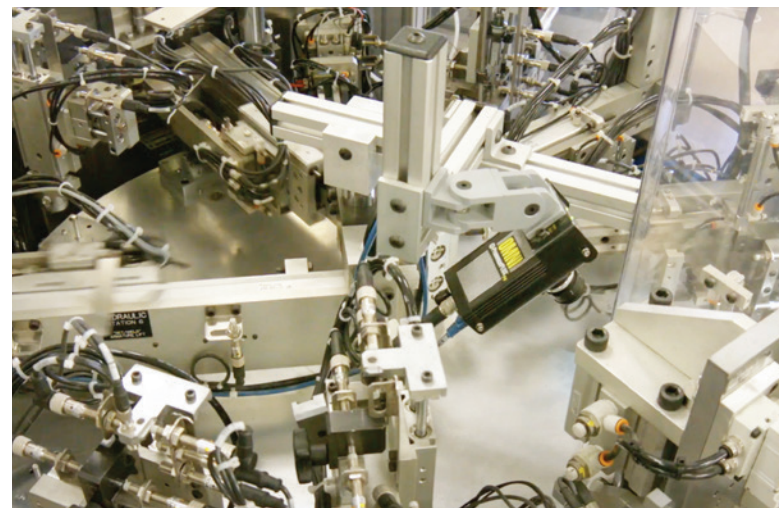
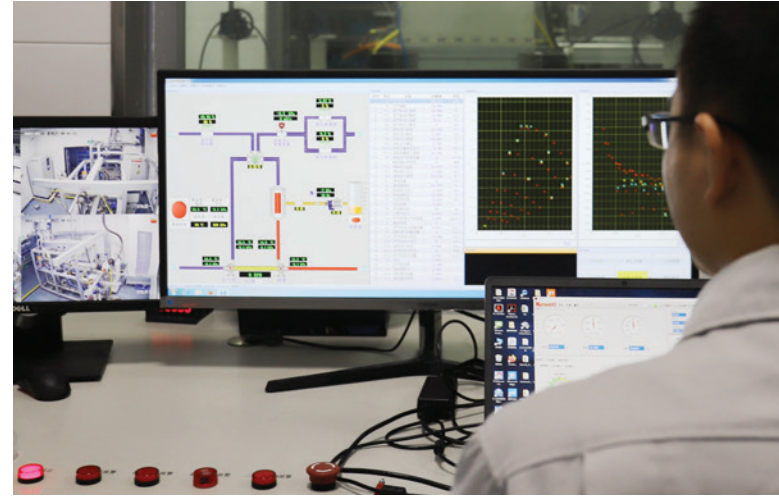
50,000+

POWERTRAIN-NEUTRAL PARTS



Echlin® Quality

Hybrid, EV, gasoline or diesel, our parts are engineered, manufactured and tested to function correctly in all driving conditions.



Research and Development

We have 13 R&D Centers around the world including New York, South Carolina, Poland and Germany. We are committed to developing the best-performing aftermarket parts available.

Precision Manufacturing

From start to finish, we are an expert manufacturer, validating all components, including raw materials. Our manufacturing facilities are IATF 16949, ISO 9001 and ISO 14001-certified.

Testing and Performance Analysis

Thermal shock, vibration, salt spray and more, Echlin® parts are subjected to a series of tests and undergo a detailed validation process.

On-Vehicle Validation

Hybrids and EVs have complex electronic systems. Our parts are tested on vehicles to make sure they function correctly and integrate with all electronic systems

Echlin® Pro Training Tech Tips

As experienced ASE-certified automotive technicians themselves, Echlin® Pro Trainers are experts in hybrid and EV systems.

Here's what they say to look out for when servicing a hybrid or electric vehicle.



Safety is the first priority when working on hybrids or EVs. Make sure you have an understanding of how the electric drive system works, and wear the appropriate protective equipment



Provide your customers with confidence in your ability to repair their EV by taking and passing the ASE xEV Level 1 and 2 exams. Echlin® offers numerous training options to assist you in achieving this level of "Service Readiness"



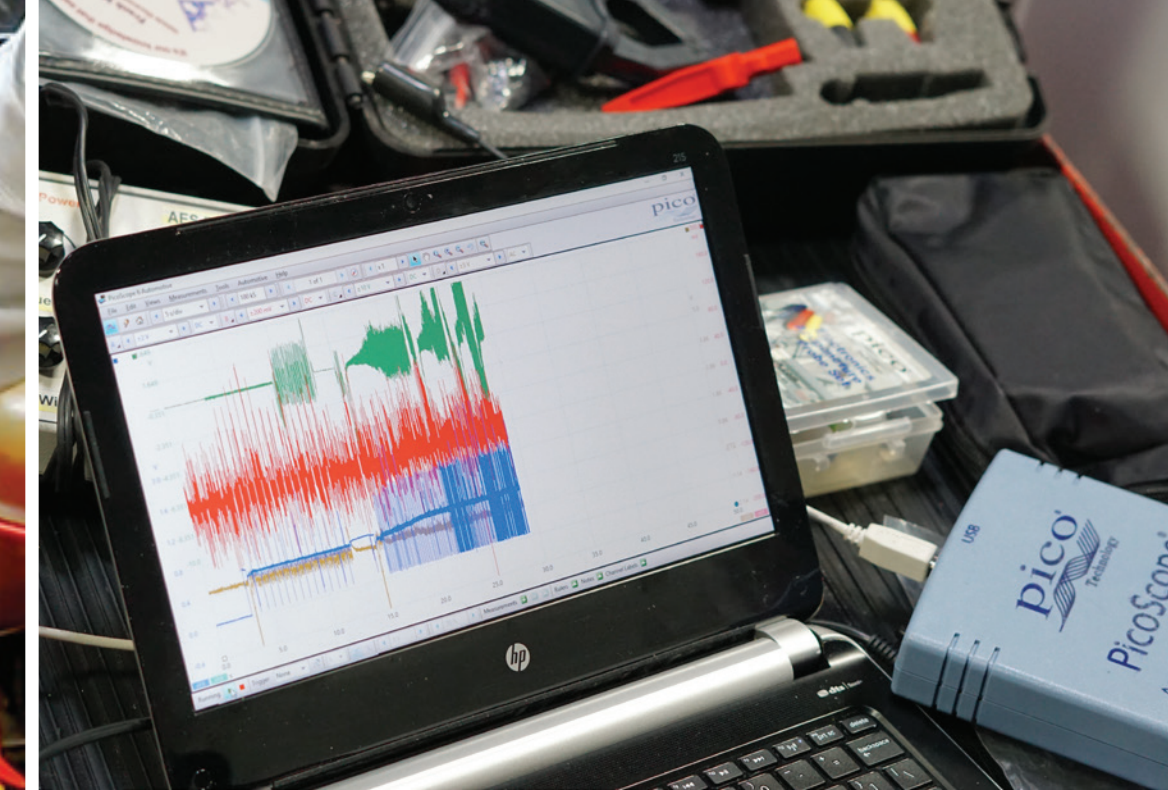
EV and hybrid vehicles have electric compressors, which often run when the vehicle is parked. Always ensure that the AC system is free of leaks and operating properly to help maintain proper cooling of the high-voltage components

Echlin® Professional Training

Award-Winning In-Person, Live Virtual, and Online Learning

Echlin® Pro Training delivers accredited classes that educate technicians in the latest automotive repair technologies, and techs can earn CEU credits.

An extension of Echlin® training, our extensive YouTube video library has over 500 technical and installation videos.



Available Classes

Chevrolet Volt Overview

**Electric Vehicle HVAC Components
and Operation**

Electric Vehicle Safety Concerns

EV and Hybrid Service Tips

Honda Hybrid Tips

Hybrid Battery Diagnosis

Late Model Hybrid Systems

Toyota Hybrid Tips



Available Classes

Analytical Approach to Diagnostics

Demystifying Electrical Issues

Modern AC Diagnosis and Repair

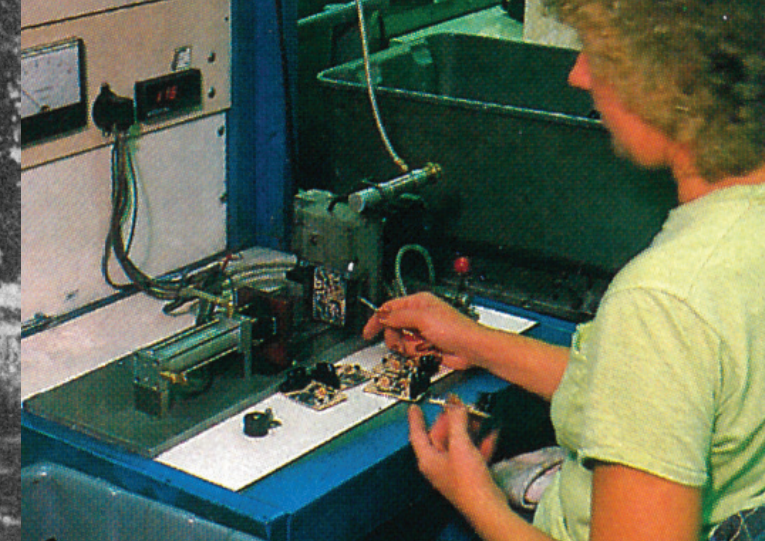
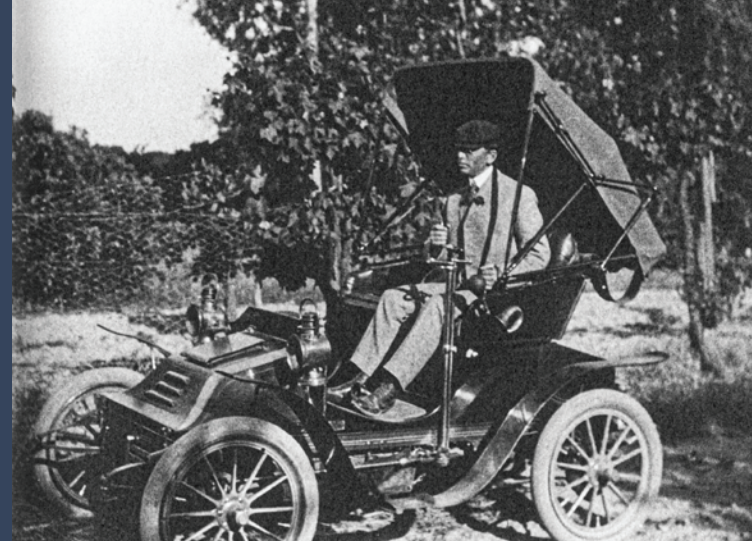
Powertrain Electronics

Vehicle Electrification / Hybrid Tips

100 Years of Excellence

For 100 years, marketing support materials and advertisements have been created to build Echlin® into a well-known, trusted, and reputable national brand.

Building brand loyalty and recognition with professional technicians takes decades. For 100 years, Echlin® has been supporting NAPA® with national advertising campaigns and more recently, effective technical training programs. Most importantly, the Echlin® brand has endured because generations of professional technicians know they can trust what's in the box.



Visumatic...
a multi-purpose business system

FOR BRINGING IN REPEAT BUSINESS

When you finish a brake job, you can proudly say, "Mr. Morgan, I am an independent. Free to buy the best parts made, I installed United Brake Parts. I took pains to replace every part needed to give you safe, trouble-free performance. I am proud of what I did for you."

"I INSTALLED UNITED BRAKE PARTS... AND I DID A FIRST CLASS JOB!"

Visumatic... FOR BRINGING IN REPEAT BUSINESS



ECHLIN®

1000

YEARS OF EXCELLENCE

