

NAPA® ECHLIN® HYBRID AND
EV COMPONENTS

Highlights

1

Over 4,000 parts for hybrid vehicles are available from NAPA® Echlin® and NAPA® Temp

2

More than 1,900 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?



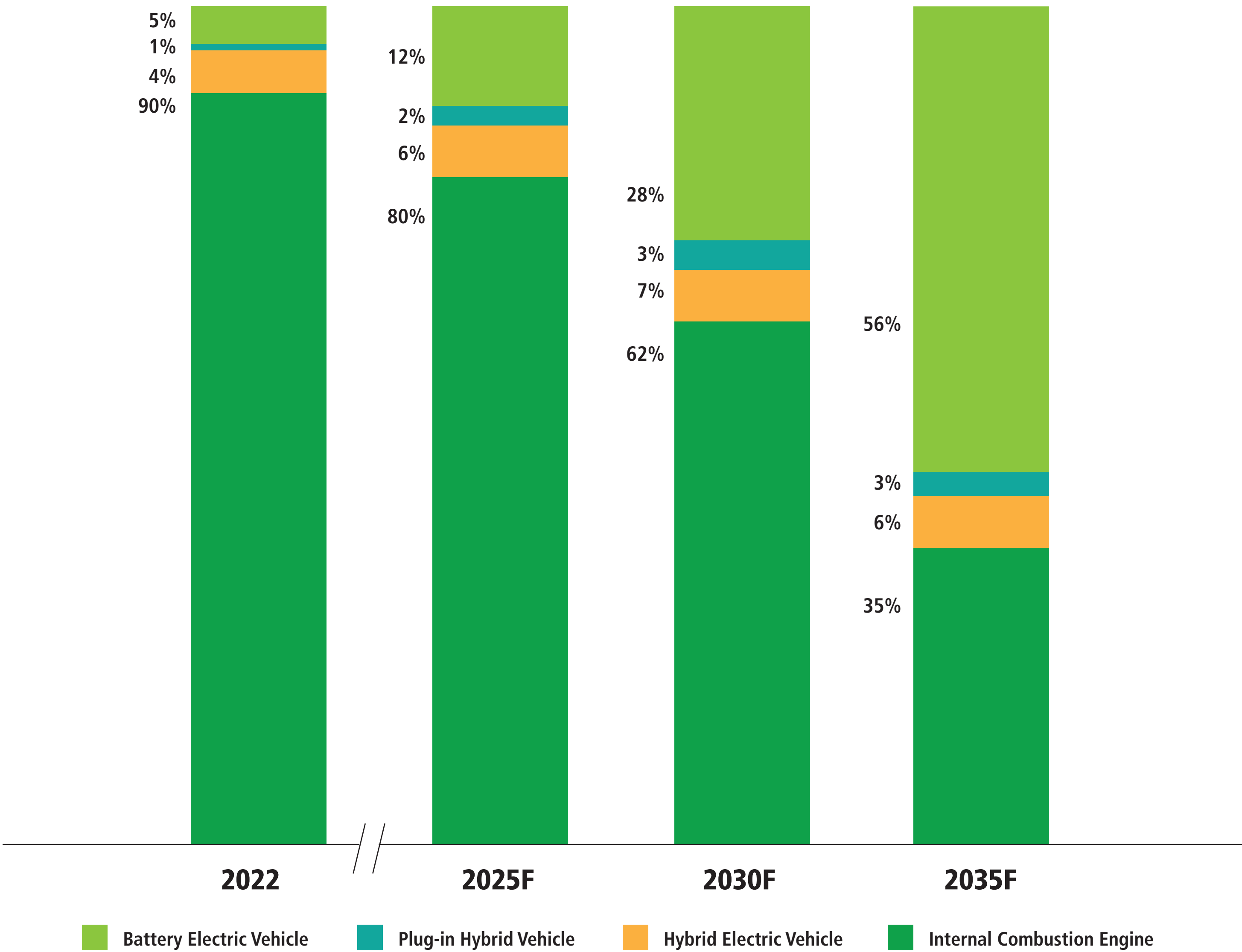
NAPAEchlin.com

Growing Market

Up to 95% of vehicles sold in 2022 still have an internal combustion engine (ICE), but this will change in the coming years. By 2030, only about 72% of new vehicles will have an internal combustion engine, with 10% of those vehicles being some type of hybrid.

By 2035, less than half of all new vehicles sold will have an internal combustion engine. It is estimated that 56% will be all electric, 3% will be electric plug-in hybrids, and 6% will be hybrid electric vehicles, while 35% will only have an internal combustion engine.

U.S. New Vehicle Sales by Powertrain Type



Source: 2022 Joint EV Trends and Outlook Forecast; Autocare Association & AASA

Hybrids vs EVs

Hybrid and electric vehicles have more differences than people realize. Hybrids are generally sold by traditional automakers like Toyota, while most EVs are sold by luxury brands. The hybrid vehicle population is also much older when compared to EVs.

Did You Know

More than 55% of all registered hybrids are Toyotas

Sources: 2022 Autocare Association and AASA Joint EV Trends and Outlook Forecast, 2022 Autocare Association Factbook, HIS Markit Hybrid: Bridge to Electrification- August 2021, SMP Internal Data



HYBRIDS		ELECTRIC VEHICLES	
4,963,000	Current VIO	1,237,000	
1.7%	% of Total VIO	0.4%	
7.6 Years	Average Age	3.8 Years	
\$37.5K	Average Cost (New)	\$66K	
12%	Luxury Nameplate Share	75%	

76% of hybrids are registered outside of California

80% of new hybrids are crossovers

Over 70% of new EV registrations are Teslas

By 2030, EVs will account for 2-3% of the total vehicle population

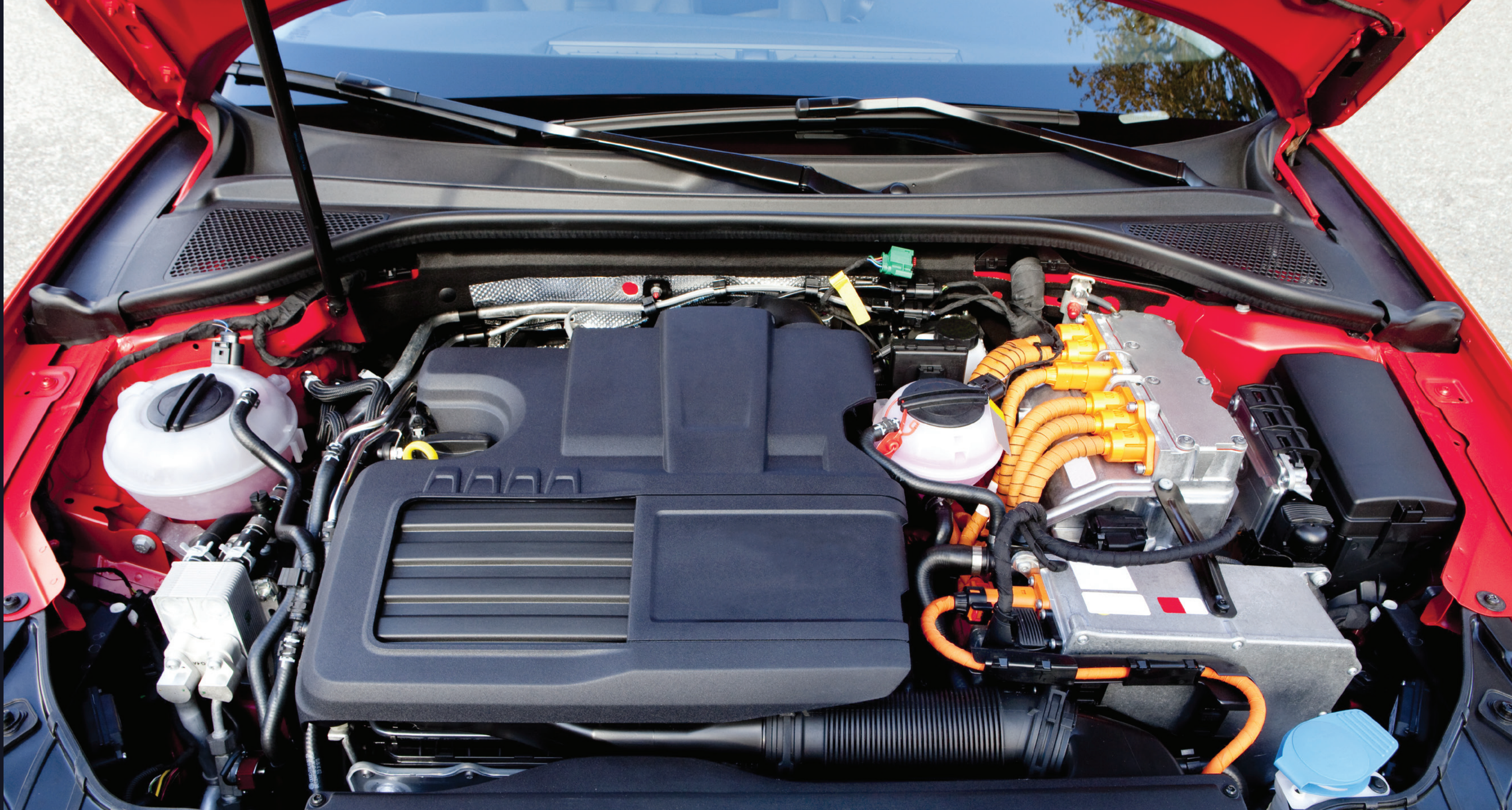
NAPA® ECHLIN® HYBRID AND
EV COMPONENTS

Hybrid Sales Opportunity

With two different systems powering each vehicle, hybrids have more components compared to gas or diesel vehicles. Many hybrids are also more than 10 years old. More parts and an aging population means that hybrid service opportunities will grow in the coming years.

Did You Know

Hybrids like the Toyota Prius and Ford Interceptor Utility are becoming increasingly popular for fleets



ABS 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

**NAPA® ECHLIN® HYBRID AND
EV COMPONENTS**

Powertrain Neutral Parts

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, A/C compressors and thousands of other switches, sensors, actuators and connectors.

50,000+
POWERTRAIN-NEUTRAL PARTS



NAPA® ECHLIN® AND NAPA® TEMP

Hybrid Vehicle Coverage

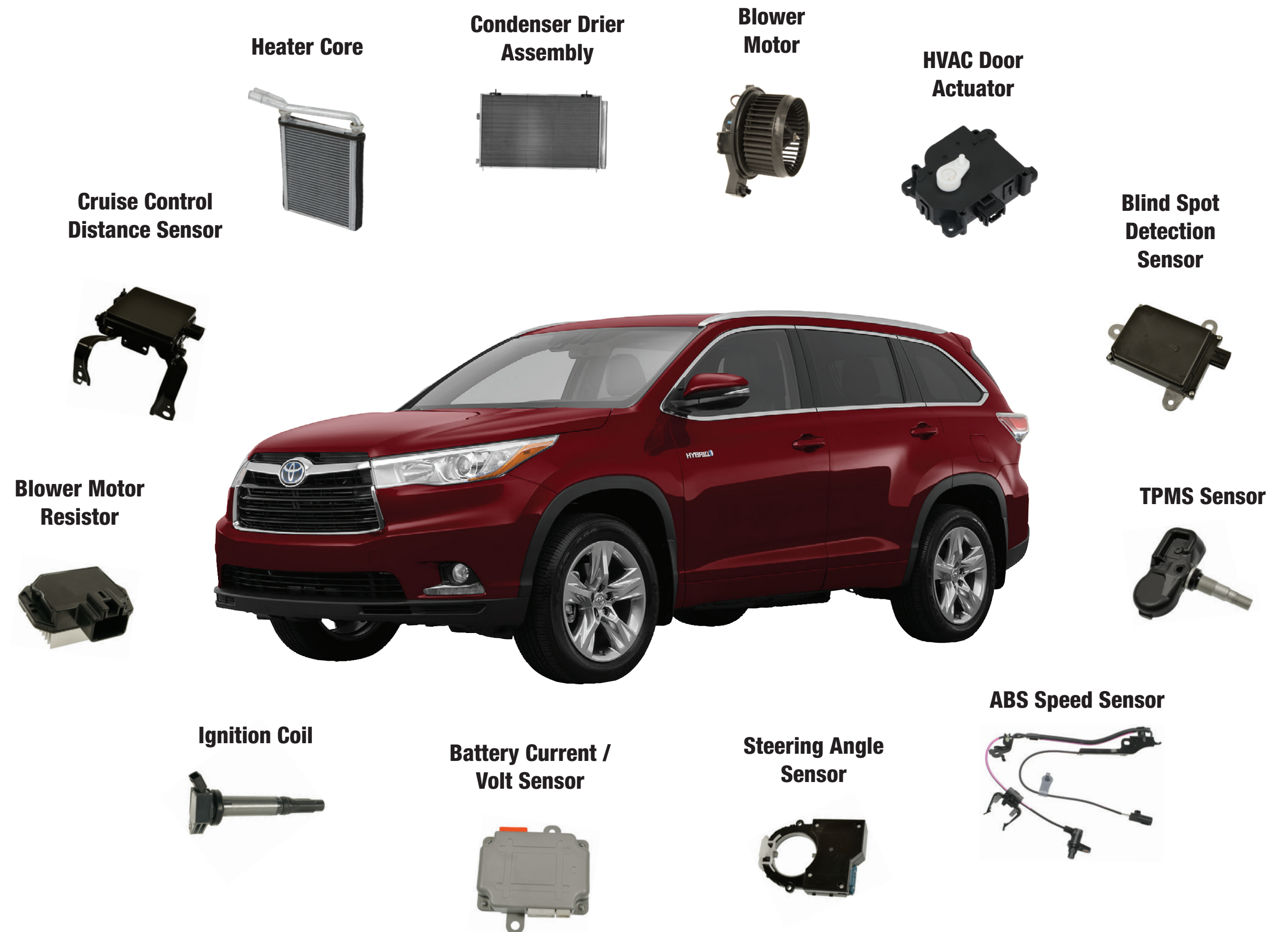
With an aging population and almost 5 million vehicles on the road, service opportunities for hybrids are on the rise. NAPA® Echlin® and NAPA® Temp have thousands of replacement parts for import and domestic hybrid vehicles.

Hybrid Coverage

4,000+
PARTS

150
MODELS

NAPA® Echlin® and NAPA® Temp have 140+ parts for a 2014 Toyota Highlander Hybrid



NAPA® ECHLIN® AND NAPA® TEMP

Electric Vehicle Coverage

Electric cars are still cars, and many of the same parts that fail on gas-powered cars fail on electric cars. We offer more than 1,900 parts for electric vehicles and our coverage is continuing to expand.

EV Coverage

1,900+
PARTS

40
MODELS

NAPA® Echlin® and NAPA® Temp have 40+ parts for the 2019 Chevrolet Bolt EV



NAPA® ECHLIN® HYBRID AND EV COMPONENTS

What's New

Hybrid and EV Chargers and Adapters

Quick, efficient charging is critical for the daily use of plug-in hybrids and electric vehicles. NAPA® Echlin® offers an adapter which allows Teslas to be charged at any charging station, as well as direct OE replacement charging cables for popular Toyota vehicles.

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



EBC300

Tesla Charging Adapter

Allows a Tesla owner to charge their vehicle with a J177 charger or non-Tesla charging system

Charges up to 19.2kW

Tesla Model 3 2023 - 2017
Tesla Roadster 2011 - 2008
Tesla Model S 2023 - 2012
Tesla Model X 2023 - 2016
Tesla Model Y 2023 - 2020



EBC303

Battery Charging Cable

SAE J1772 compliant, direct replacement charging cable for popular Toyota vehicles

Supplies 120 volts at 12 amps for a steady charging rate

Scion iQ 2013
Toyota Prius 2015-2012, 2010
Toyota Prius Prime 2022-2018
Toyota RAV4 EV 2014-2012
Toyota RAV4 Prime 2021

NAPA® ECHLIN® HYBRID AND EV COMPONENTS

What's New

Sensors and Cameras for Hybrid and Electric Vehicles

Hybrids and EVs have the very same style ADAS components and TPMS sensors as traditional ICE vehicles. These categories will continue to grow, regardless of how vehicles are powered.

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



PAS1158
Park Assist Sensor
Chevrolet Bolt EV
(2020-17)



PAW401
Park Assist Camera
Lexus RX450h
(2015-14)



92-1419
TPMS OE Match Sensor
Chevrolet Volt
(2019)



**NAPA® ECHLIN® AND TECH EXPERT®
HYBRID AND EV COMPONENTS**

What's New

Underhood Components for Hybrid Vehicles

With more systems and more parts, hybrid vehicles present multiple service opportunities. From hybrid system parts to traditional parts, NAPA® Echlin® and Tech Expert® makes sure you have the parts you need to service your customers' hybrid vehicles.

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



HCP500
Hybrid Drive Coolant Pump
Toyota and Lexus Hybrids
(2015-10)



EPA006 & EPA007
Parking Brake Actuators
Ford Fusion Hybrid and SSV
Plug-In Hybrid
(2020-19)



2-70590
Fuel Vapor Canister
Toyota Prius C
(2021-12)



NAPA® TEMP HYBRID AND EV COMPONENTS

What's New

NAPA® Temp Battery Cooling Fans

Batteries in hybrid and electric vehicles require constant cooling. This helps both battery life and the range of the vehicle. NAPA® Echlin's sister company, NAPA® Temp offers multiple battery cooling fans for popular import and domestic hybrid vehicles.

For a complete list of applications, visit NAPATemp.com



412785

Toyota & Lexus Hybrid Cars
(2017-10)
VIO: 851K



412782

Toyota Hybrid Cars
(2009-04)
VIO: 432K



412784

Toyota & Lexus Hybrid Cars
(2020-18)
VIO: 362K



412778

Honda Hybrid Cars
(2016-05)
VIO: 184K



412777

GM Hybrid Cars
(2016-11)
VIO: 160K



412775

Ford & Lincoln Hybrid Cars
(2018-13)
VIO: 159K

Top Movers

IMPORT
APPLICATIONS



IC686

Ignition Coil
Toyota and Lexus Hybrids
(2017-10)



IC567

Ignition Coil
Toyota and Lexus Hybrids
(2015-01)



TS6677

Engine Coolant Temperature Sensor
Toyota and Lexus Hybrids
(2021-02)



2-283735

Vapor Canister Purge Solenoid
Toyota and Lexus Hybrids
(2016-07)



92-1187C

TPMS Sensor
Toyota and Lexus Hybrids
(2017-07)

DOMESTIC
APPLICATIONS



2-283993

Vapor Canister Purge Valve
Ford Hybrids
(2020-15)



IC772

Ignition Coil
GM Hybrids
(2015-11)



532701

ABS Wheel Speed Sensor
Ford Hybrids and EVs
(2018-12)



PAS1127

Parking Aid Sensor
Chevrolet Hybrids and EVs
(2019-17)



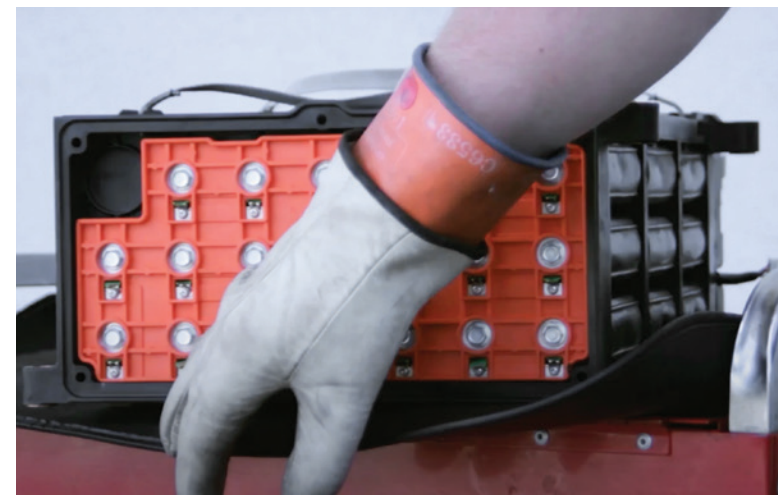
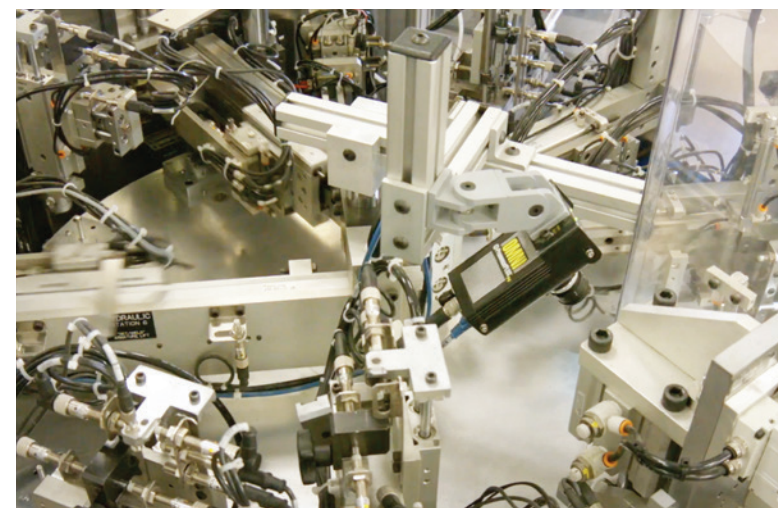
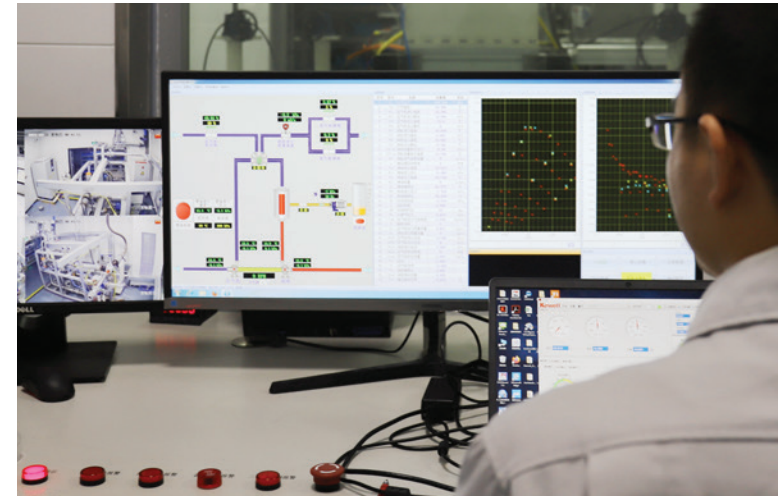
92-1399

TPMS Sensor
Tesla EVs
(2021-14)

**NAPA® ECHLIN® HYBRID AND
EV COMPONENTS**

NAPA® Echlin® Quality

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



Research and Development

NAPA® Echlin® has 11 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. NAPA® Echlin® manufacturing facilities are IATF-16949, ISO-9001 and ISO-14001 certified

Testing and Validation

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

On-Vehicle Testing

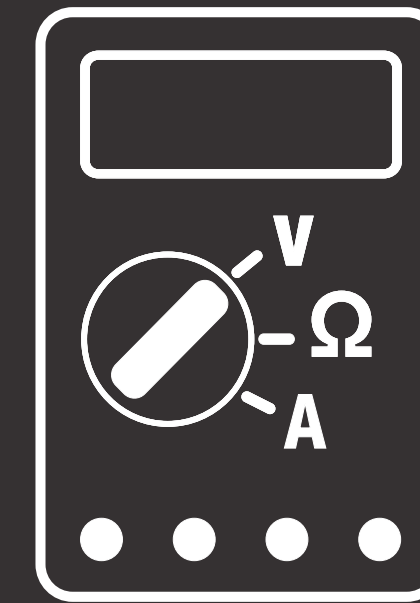
Hybrids and EVs have complex electronic systems. Our parts are tested on vehicles to make sure they function correctly and integrate with all electronic systems

**NAPA® ECHLIN® HYBRID AND
EV COMPONENTS**

NAPA® Echlin® Training Tech Tip



**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 gloves**



**Before servicing the high-
voltage system, a technician
should use the appropriate
CATIII DVOM and perform a
Live/Dead/Live test to ensure
that the system is powered
down and the meter is
operating properly**



**If you are servicing the A/C
system on an EV or hybrid,
ensure that you are using
dedicated A/C equipment.
Contamination from the
incorrect A/C oil can cause
a system fault and shut the
vehicle down**

**NAPA® ECHLIN® HYBRID AND
EV COMPONENTS**

NAPA® Echlin® Professional Training

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

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

An extension of NAPA® Echlin® training, our extensive ADA-compliant YouTube professional installation video library has over 40 million views and 50,000+ channel subscribers.



**PRO
TRAINING**
ON-DEMAND

NAPA® Echlin® offers an annual subscription to Pro Training On-Demand. This subscription grants access to more than 200 English, and over 50 Spanish 1-hour courses – and the NAPA® Echlin® on-demand library continues to grow. Topics range from fundamentals to advanced concepts, and include HVAC, diesel, hybrid, ignition, injection, electrical and communication diagnosis.



**PRO
TRAINING**
ON-SITE

Whether in-person at your location or virtually via computer, all NAPA® Echlin® Training classes feature a live instructor and are fully interactive as students work through real-life scenarios. Virtual class “workbooks” include on-demand links to video content and student configurable scan data.

Visit NAPAEchlinTraining.com