

Invented for life



Prepare your shop to work on EVs

Service & maintenance of hybrid and electric
vehicles as you grow your EV business





✓ **ESSENTIAL** Basic Diagnosis and Troubleshooting of **Electric Vehicles**



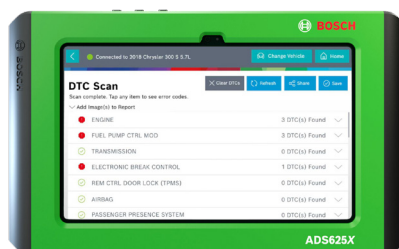
MMD 540H CAT III Auto Ranging Digital Multimeter

Safety-rated
Multimeter for
working on high-
voltage vehicles.



1699200244 BAT 135 Battery Tester with Integrated Printer

For testing vehicle
battery and charging
systems.



3945 ADS 525X or 3975 ADS 625X Diagnostics Scan Tools

Scan codes, read live vehicle data,
run tests, view wiring diagrams,
check battery charge and more.

Vehicle Coverage:

Audi e-tron, Chevrolet Volt, Chrysler
Pacifica, Ford C-Max PHEV, Honda
Accord Hybrid, Nissan Leaf, Tesla
Model S, Toyota Prius, VW e-Golf



EV410 Series Level 2 Charging Station or EV810 Series Level 2 Charging Station

Be ready to charge customer EVs
brought in for service. Build EV
customer loyalty and customer
satisfaction.

Other Essential Products



8350 Safety Post w/Base

Place 42" safety post with 12 lb
rubber base around vehicle to alert
others when high voltage system is
being serviced.



8354 Lock-Out Safety Tag

Tags alert other technicians
that service is being
performed. Includes 25
tags per pack.



8356 Magnetic High Voltage Sign

Alert others that service is
being performed. Sign states
"Danger - High Voltage".



8351 Adjustable Safety Barrier

Adjustable barrier (4' to 6') used in
conjunction with safety cones and
looper tubes to alert others when
high voltage system is being serviced.



8355 Magnetic Warning Sign

Alert others that service
is being performed. Sign
states "Warning - Hybrid
vehicle in service. Do not
enable vehicle. High voltage
electricity may cause serious
personal injury."



Zero Isolation Gloves
(Rubber Inner & Leather Outer)
Safety Gloves for working on
high-voltage vehicles.



8352 Collapsible Safety Cone

Set of 4 hi-visibility cones with 2
reflective bands. Place around the
vehicle to alert others when high
voltage system is being serviced.

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BOSCH



ADVANCED Service of High Voltage Vehicles



FSA 050 CAT IV, CAT III Insulation Tester

Perform insulation and
high-voltage electrical tests.



EXPERT Battery Pack Maintenance Equipment



5295
1,760-lb capacity
sliding top
powertrain lift
or 1595A 2,500-
lb capacity
air/hydraulic
powertrain lift



1580
1,500 lb. Easy Roller™



1572
Car Dolly (Pair)



8353
6' Rescue Hook

Other Advanced Products



AC1234-4 R-1234yf Machine or AC1234-9 R-1234yf Touch Screen Machine

Get the right machine for hybrid and EV
service to keep service opportunities.

ROBINAIR

Visit otctools.com for more
EV service tools and equipment

OTC

OPTIONAL



EV3000 DC Fast Charger

The Bosch EV3000 Direct Current (DC) Fast Charger is a 30kW output DC fast charger ideal for commercial, workplace, fleet, and public charging. Compact and wall mountable to reduce the complexity and cost of installation.



SMT500 Portable Leak Detector Smoke Machine

An 11-lb., ultra-portable leak tester and OEM-approved smoke machine that lets you go where the work is. Ideal for any shop with remote technicians or mobile technicians that do repairs in field vs. in shop.



SMT300 LeakTamer II EVAP & Diagnostic Smoke Machine

A multifunctional smoke tester can be used not only for EVAP testing but also for testing of wind leaks, cooling systems, hose leaks, battery pack sealing and more.



Electric Vehicle Specific Tools

8305 – Trans Rotor Remover/Installer

Application: 2017-Later Chevy Bolt EV Transmission

8307 – Trans Stator Alignment Pins

Application: 2017-Later Chevy Bolt EV Transmission

8309 – Vent Hose Pipe Installer

Application: 2017-Later Chevy Bolt EV Transmission

8311 – Axle Seal Installer

Application: For use on many 1998-Later GM vehicles

8315 – Battery Lift Fixture

Application: 2016-2019 Malibu Hybrid, 2017-Later Bolt EV with 8317 Adapters, and 2014-2016 Cadillac ELR with GM EL-50115

8317 – Battery Section Lift Adapters

Application: 2017-Later Chevrolet Bolt EV

8337 – Coolant Refill Tool

Application: For use on Engine Cooling and Hybrid/EV Battery Heating and Cooling Systems

8319 – Battery Coolant Test Adapter Set

Application: 2017-Later Chevrolet Bolt EV

8323 – Differential Rotator

Application: 2011-Later 5ET50, 6T30, 6T35, 6T40, 6T45, 6T50 GM transmissions including 2016-2019 Chevrolet Volt

8325 – Trans Piston Spring Compressor

Application: 2011-Later 5ET50, 6T30, 6T35, 6T40, 6T45, 6T50, 6T70, 6T75, 9T50 GM transmissions including 2016-2019 Chevrolet Volt

8327 – Trans Dam Spring Compressor

Application: 2011-Later 5ET50 and 6L45 GM transmissions including 2016-2019 Chevrolet Volt

8329 – Radiator & Surge Tank Test Adapters

Application: 2016-2019 Volt, 2017-Later Bolt EV, 2016-Later Malibu and ELR

8331 – Trans Seal Installer

Application: 2016-Later 5ET50, 8L45, and 8L90 GM transmissions including 2016-2019 Chevrolet Volt

8333 – Flywheel Holder

Application: 2016-Later 10L, 14L, 15L, 20L, & 25L including 2016-2019 Chevrolet Volt

8335 – Clutch Travel & Load Tool Kit

Application: 2016-Later 5ET50, 8L45, and 8L90 GM transmissions including 2016-2019 Chevrolet Volt

328920 – Fixture Base Mount

Application: For use with 7030 and 7040-1 Trans Case Holding Fixtures

7030 – Transmission Holding Fixture

Application: 1998-Later GM GF6 and GF9 Transaxle including 2012-Later Chevrolet Volt

8321 – Trans Holding Fixture Adapter Set

Application: 2017-Later Chevrolet Bolt EV

Major Drivers for Electrification



Sustainability initiatives



CO2 and emission legislation



Battery technology



Charging infrastructure

25% of Americans expect that their next vehicle will be electric, according to the American Automobile Association.

EV sales increased by more than 15% in 2022, totaling 8% of all vehicle sales in the United States.

In the U.S., over 250,000 BEVs were sold during Q1 2023 (about 7% of total market), a **63% increase compared to the same period in 2022**.

Electrification is expected to be a major disruptive trend for last-mile delivery, **largely driven by regulation**. (e.g., California Advanced Clean Truck regulation)



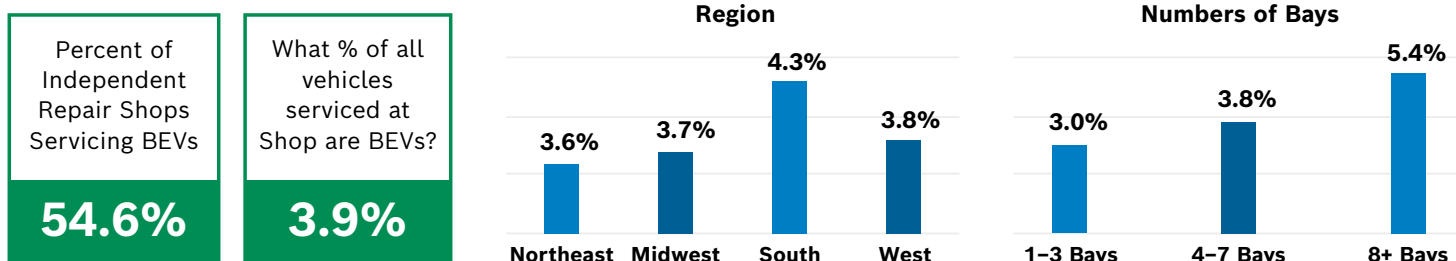


Impact of Battery Electric Vehicle (BEV) and Hybrid Electric Vehicle (HEV) Repair and Service at Independent Repair Shops (Update 2022)

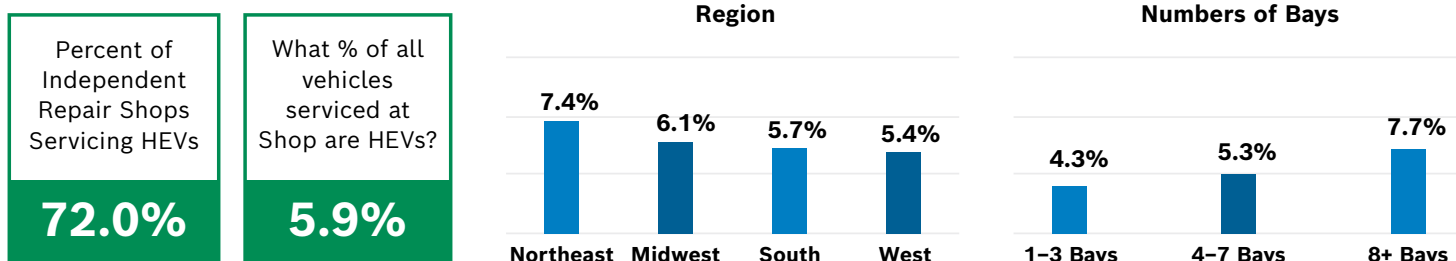
Between July 4th and July 29th, 2022, IMR interviewed 5000 independent automotive repair shops, nationally representative by location in the U.S., to get insight into their service exposure to Battery Electric Vehicle (BEV) and Hybrid Electric Vehicle (HEV) vehicles. Additionally, the research gained insight into the shop's investment in tools/equipment and training for BEVs/HEVs, whether they market these service capabilities and their view of when they believe BEVs and HEVs will impact their business amongst other insights.

54.6% of independent repair shops indicate a portion of their business is from servicing battery electric vehicles. On average, 3.9% (or 4 of every 100 vehicles serviced) are BEVs. The Western region and Southern region reported having higher service percentages.

What % of all vehicles serviced at Independent Repair Shops are BEVs?



What % of all vehicles serviced at Independent Repair Shops are HEVs?

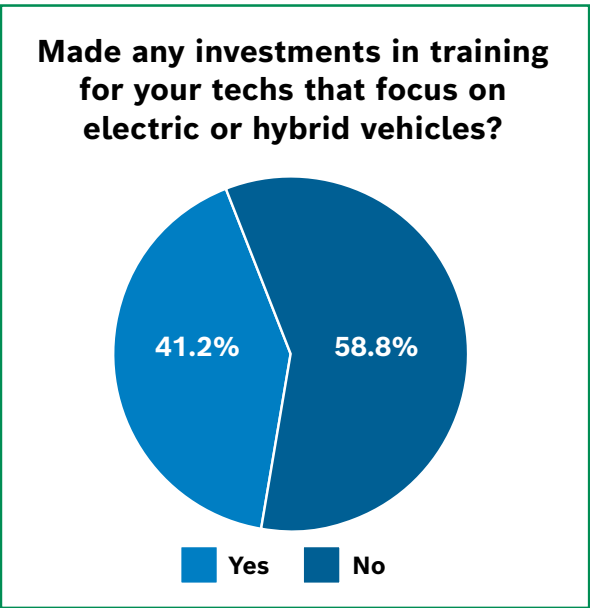
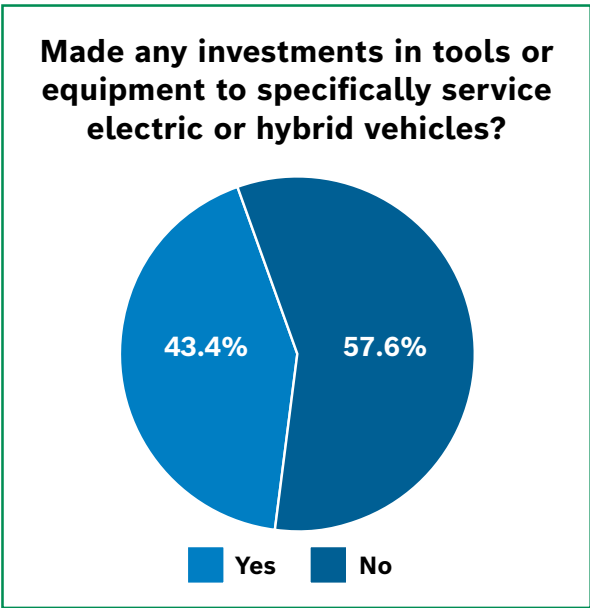


Has there been an increase in BEVs coming in for service over the past 2 years?

Yes 95.6%	Northeast	Midwest	South	West	1-3 Bays	4-7 Bays	8+ Bays
	70.8%	94.9%	99.0%	100%	80.0%	96.2%	96.3%

Has there been an increase in HEVs coming in for service over the past 2 years?

Yes 95.6%	Northeast	Midwest	South	West	1-3 Bays	4-7 Bays	8+ Bays
	70.8%	94.9%	99.0%	100%	80.0%	96.2%	96.3%



Larger shops made more investments in tools, equipment and training (57.0%) than their smaller competitors (9.8%).



You can review the interesting survey at AutomotiveResearch.com

IMR Inc. | AutomotiveResearch.com

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What drives you, drives us

Bosch technologies are used in most vehicles worldwide.
People, and assuring their mobility, is what we are focused on.

Therefore, we have dedicated over 130 years of pioneering spirit
and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern diagnostic and workshop
equipment and a wide range of spare parts for passenger cars and commercial vehicles:

- solutions for efficient vehicle repairs
- innovative workshop equipment and software
- one of the world's most comprehensive ranges of new and exchange parts
- large network of wholesale customers, for quick and reliable parts supply
- competent hotline support
- comprehensive educational and training offers
- targeted sales and marketing support

