

Invented for life



# Prepare your shop to work on EVs

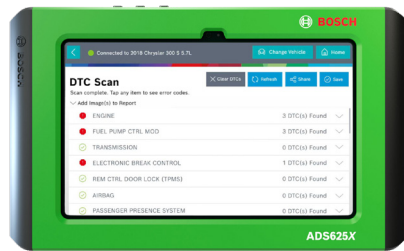
Service & maintenance of hybrid and electric  
vehicles as you grow your EV business



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



**1699200244**  
**BAT 135 Battery Tester**  
**with Integrated Printer**  
For testing vehicle 12 volt 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.

**EV 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 satisfaction and loyalty.

## Other Essential Products



**5950A**  
**Crimping Pliers**



**4631**  
**Battery service kit**



**CA7149**  
**Ball Joint Connected Adapter Starter Kit**



**3990**  
**1000V CAT III Hybrid Multimeter**  
**with Insulation Resistance Test**



**S04**  
**4 ton jack stands**



**Zero Isolation Gloves**  
(Rubber Inner & Leather Outer)  
Safety Gloves for working on high-voltage vehicles.  
**3991-10** Small  
**3991-11** Medium  
**3991-12** Large

✓✓ **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**



**1572**  
**Car Dolly (Pair)**



**1580**  
**1,500 lb. Easy Roller™**

Visit [otctools.com](http://otctools.com) for more EV service tools and equipment



**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.



**OPTIONAL**



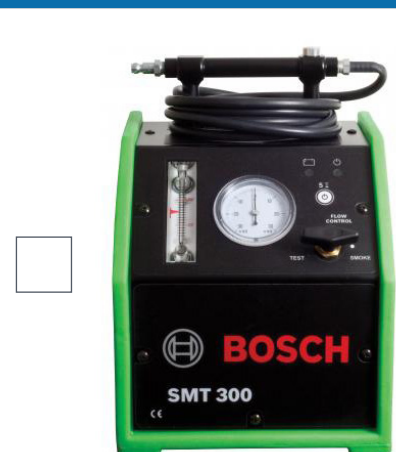
**EV3000 DC Fast Charger**

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.

## Are you ready to service the vehicles of today and tomorrow?

**Bosch Automotive Training Solutions** enables shops to work professionally, reliably & efficiently within diagnostic procedures, troubleshooting, repairs and servicing of all types of vehicles, including comprehensive knowledge and practical skills in electric vehicle technology.

[bosch-training-solutions.com](https://bosch-training-solutions.com)



## Major Drivers for Electrification

**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)



Sustainability initiatives



CO2 and emission legislation



Battery technology



Charging infrastructure



# 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.

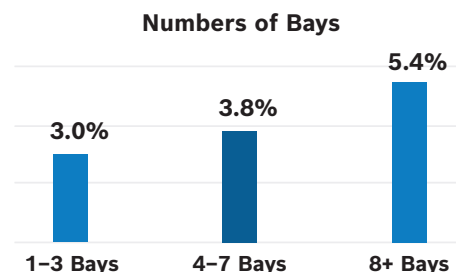
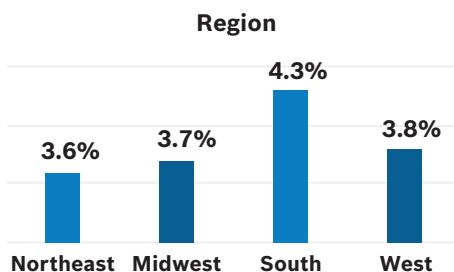
## What % of all vehicles serviced at Independent Repair Shops are BEVs?

Percent of Independent Repair Shops Servicing BEVs

**54.6%**

What % of all vehicles serviced at Shop are BEVs?

**3.9%**



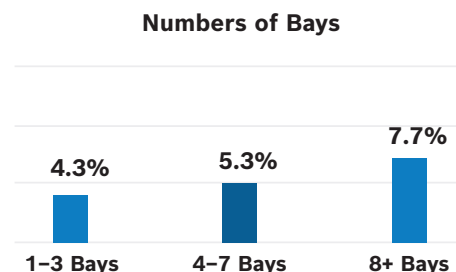
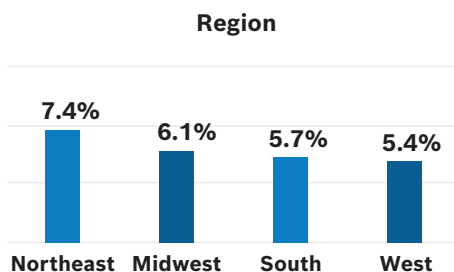
## What % of all vehicles serviced at Independent Repair Shops are HEVs?

Percent of Independent Repair Shops Servicing HEVs

**72.0%**

What % of all vehicles serviced at Shop are HEVs?

**5.9%**



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

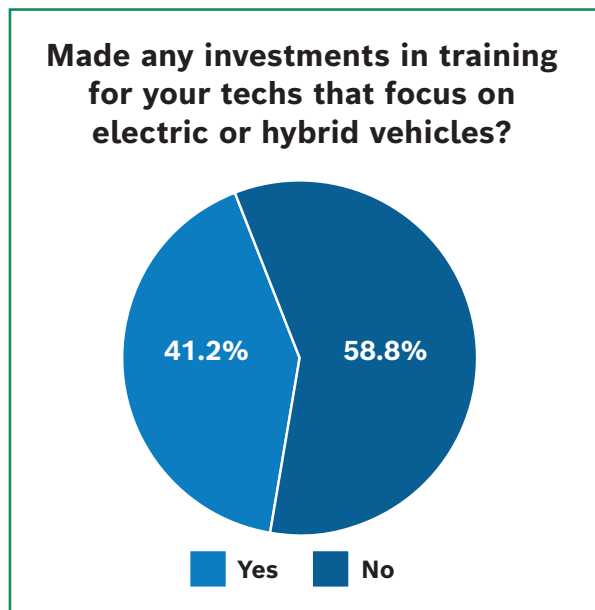
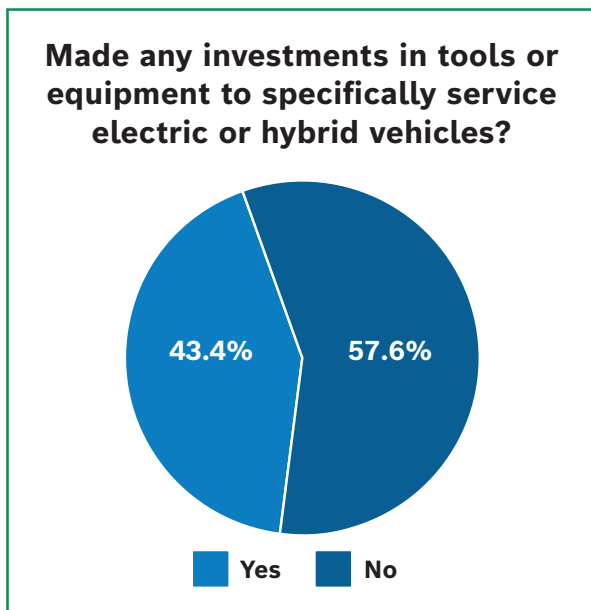
**Yes  
95.6%**

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](https://AutomotiveResearch.com)

**IMR**Inc.

[AutomotiveResearch.com](https://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

