



Midwest AUTO CARE ALLIANCE

# Hybrid Electric Vehicles 8 hour, hands-on training!

In-Person  
Training with



**Dave Hobbs**

ASE CMAT / L3  
Veteran Gas, Hybrid &  
Electrical Diagnostics  
Technical Trainer

**Tom Finneran**

sponsored by



**Delphi  
Technologies**

by **BorgWarner**



CURRENT DIAGNOSTIC DATA				FRAME#	807	TIME	617.92
Active	CON	Vo	LEAK	R	Negati	Positi	
Description							Value Unit
Negative_CON_INP *							Close
Negative_VOLT_STAT *							No Fault
Number of Trouble Codes Set Due to Diagnostic Test *							0
PER_CON_FAU_STA *							No Fault
Positive Battery PACK_VOLT							144 Volts
Positive LEAK_VOLT							0 Volts
Positive VOLT_STAT *							No Fault



- Review of Hybrid & EV Technology & Safety
- Hybrid & PHEV (Plug-In Hybrid) Engine No Starts
- Dealing with common Hybrid & EV DTCs
- Hybrid, PHEV & EV Cooling and HVAC Systems
- High voltage battery pack diagnostics
- Interpreting Data PIDs, Mega & Micro Ohmmeters

*Register at* **MWACA.org/events**

*Questions?* **816.413.9800**

## St. Louis Chapter



Saturday, October 15,  
2022



9:00am-6:00pm



Jammin' J Automotive  
10188 Page Ave  
St. Louis, MO 63132

**Members: \$70**

**Non-Members: \$129**

includes lunch  
and training

for shop owners  
and technicians