

April 2020

Professional Online Installer Training



AFTERMARKET

LEMFÖRDER 

 SACHS





ZF Online Training Classes

ZF Aftermarket webinar topics and descriptions

The below trainings are designed to be learned from home, where technicians have information right on their screens.

Our webinars are covered over a 60 minute session with a ZF Technical Trainer.

Learn
Online
with ZF

REGISTER ONLINE AT CARPARTSWAREHOUSE.NET

**YOU MAY SIGN UP FOR ALL 4 COURSES
BUT, YOU MUST SIGN UP FOR EACH COURSE INDIVIDUALLY**

WEDNESDAY, APRIL 22ND, 6PM (DURATION, 1 HOUR)

High Voltage (Hybrid Technology)

This class will cover high voltage content which are used by Vehicle Manufactures like Chrysler, Audi or BMW. The participants will get a High Voltage System overview and will learn about the function of each HV component like Inverter, Battery, DC/DC Converter, Charger and Interlock. The attendees will learn how to safely disconnect the High Voltage system. New measurement tools to measure Insolation resistant and potential equalization will be introduced. Diagnostic strategies and common failures will be discussed

After completing this training, the participant will be able to:

- List all HV components
- Describe to safely disconnect the High Voltage system
- Explain the function of the 4 wire measurement method
- Understand to measure potential equalization
- Identify all new measurement method to diagnose high Voltage Systems
- Describe common failures on HV Systems

INSTRUCTOR: DIRK FUCHS



THURSDAY, APRIL 23RD, 6PM (DURATION, 1 HOUR)

ZF 8 Speed Automatic Transmission diagnostic. 15M+ VIO in the US includes Chrysler, Jeep, BMW, Audi/VW

This class will cover the 8 speed transmission technology for all listed manufactures and will start with the functional explanation of the unit.

The greatest take away from the seminar is the understanding of how the transmission shifts and how to read the specific shifting matrix what is important for diagnostics.

One of the most important diagnostic information is the transmission adaptation. The participants will learn how to read and interpret the different values with a diagnostic tool. Additional topics covered are the Limp Home function and coding issues. The presented knowledge allows the participant to quickly diagnose common errors.

The class will conclude with an overview of the transmission oil fill, the variety of different oil and filter change possibilities and the procedure how to evacuate the oil fill in the torque converter and to set the oil level correctly at the end.

After completing this training, the participant will be able to:

- List internal components of the ZF 8 Speed transmission
- Describe differences between pressure regulators and solenoids
- Explain the shifting strategy of the ZF 8 Speed
- Analyze transmission adaptation values
- Explain an oil change service procedure
- Explain how to properly check the oil in the transmission
- Describe the common failure of the ZF 8 Speed

INSTRUCTOR: FRANCISCO MORENO

 Accredited Training Provider