

High Voltage

TECHNICAL TRAINING CLASSES

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HIGH VOLTAGE LEVEL 1

Systems Overview & Safety

An overview regarding the service work on HV vehicles - from the necessary protective equipment to the professional activation for service work. Use this online training as comprehensive information on all aspects of high-voltage vehicles.

TRAINING CONTENT

- » Occupational health & safety
- » Various HV vehicles
- » Components of HV vehicles
- » Charging options
- » Self-diagnosis
- » Service
- » Activation

LEVEL 1 SCHEDULE

3/23/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific
4/10/21 SATURDAY	11:00 am 10:00 am 8:00 am	Eastern Central Pacific
5/4/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific
6/19/21 SATURDAY	11:00 am 10:00 am 8:00 am	Eastern Central Pacific

HIGH VOLTAGE LEVEL 2

Electric Drivetrain: Engineering, Theory & Application

Knowledge of electrical engineering is an important prerequisite for working on high-voltage systems. In the HV part 2, we review all the important areas of electrical engineering and give you an overview of the various drive concepts for high-voltage vehicles.

TRAINING CONTENT

- » Electrical basics
- » Electrical components
- » Electrical machines
- » Definition of hybrid, electric and fuel cell vehicles
- » Hybrid drive structures

LEVEL 2 SCHEDULE

4/20/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific
5/8/21 SATURDAY	11:00 am 10:00 am 8:00 am	Eastern Central Pacific
6/8/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific
7/17/21 SATURDAY	11:00 am 10:00 am 8:00 am	Eastern Central Pacific

HIGH VOLTAGE LEVEL 3

Key Components Deep Dive and Safety Systems

In level 3, we take a closer look at the individual HV components that we showed in level 2. This gives us an even better understanding of the relationship between the individual components. We will also show you the various safety concepts of HV vehicles.

TRAINING CONTENT

- » Functions of HV components
- » HVAC systems in HV vehicles
- » Operation of HV vehicles
- » Security concepts
- » Cooling systems in HV vehicles

LEVEL 3 SCHEDULE

6/15/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific
8/14/21 SATURDAY	11:00 am 10:00 am 8:00 am	Eastern Central Pacific
8/17/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific
9/4/21 SATURDAY	11:00 am 10:00 am 8:00 am	Eastern Central Pacific

HIGH VOLTAGE LEVEL 4

Diagnostics and Repair Techniques

Particular caution is required when working on HV vehicles, especially when working directly on their HV components. In the high-voltage level 4, we give an insight into structured working methods in the service area, right up to professional voltage disconnection.

TRAINING CONTENT

- » Organization of work steps
- » Service work in the HV area
- » Self-diagnosis of HV vehicles
- » Diagnostic voltage disconnection
- » Manual voltage disconnection

LEVEL 4 SCHEDULE

7/20/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific
8/28/21 SATURDAY	11:00 am 10:00 am 8:00 am	Eastern Central Pacific
9/14/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific
10/5/21 TUESDAY	8:00 pm 7:00 pm 5:00 pm	Eastern Central Pacific