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# Automotive Technology

## Hybrid and Electric Vehicles Trainer



### Hybrid and Electric Vehicles Trainer

Hybrid and electric vehicles constitutes one of the most innovative and trail-blazing sectors of automotive technology. Aspects such as the exhaustion of fossil fuels and global climate change have brought the topic to the forefront of public opinion. Research developments have advanced to the point where the global market breakthrough for electrically powered vehicles is inevitable in the very near future. Current developments are showing that politicians as well as vehicle manufacturers have seen the signs of the times and authorisation of electric vehicles is increasing throughout the globe. At the same time, such developments are opening up the need for mechanics specifically trained in this new and challenging technology. With electric power, electrical engineering and electronics will finally be the overwhelming aspect in vehicles.

# Hybrid and Electric Vehicles Trainer



## Hybrid and Electric Vehicles Trainer

Among the electrically powered vehicles available, the most popular drive concept is that of hybrid vehicles. Hybrid vehicles, by definition, have two drive options, which can be activated or deactivated depending on the situation or operating status of the vehicle. Usually the vehicle includes both an electric drive system and an internal combustion engine.

# CarTrain



## CarTrain

Please choose your product:

# ASE L3 Trainer "Light Duty Hybrid/Electric Vehicle Specialist" at SkillsUSA



## ASE L3 Trainer "Light Duty Hybrid/Electric Vehicle Specialist" at SkillsUSA

We are proud to announce that LN and our unique trainer for the ASE L3 test will become a part of the SkillsUSA 2018 in Louisville, Kentucky.

If we are talking about future mobility including hybrid and electric vehicles then the USA is the place to be. There have been around 4 million hybrid and electric vehicles sold within the USA and sales are continuing to increase rapidly. With this demand for new technology and highly complex vehicles, it is crucial that current and future technicians are prepared for the challenge of diagnosing and repairing these vehicles.

Our trainer will be one of the various automotive challenges of the SkillsUSA. The students have to show their knowledge and diagnostic skills about hybrid and electric vehicles on our trainer, which is completely aligned to the ASE L3 curriculum.

**You are an automotive teacher or student** and you want to know more about our trainer? Please visit our booth (S219 S221) at the SkillsUSA.

See you at the show!

### List of articles:

Pos.	Product name	Bestell-Nr.	Anz.
1	CarTrain "Diagnostics on Hybrid and Electric Vehicles"	CO3221-6V8	1

### Additionally required:

Pos.	Product name	Bestell-Nr.	Anz.
2	Personal Protective Equipment (PPE) for Hybrid and Electric Vehicles	LM86548	1
3	Two-pole voltage tester, 12-690V/AC/DC CAT III 690V, CAT IV 600V	LM8302	1
4	Insulation Multimeter (1000V / 2GΩ, CAT III 1000 V, CAT IV 600 V)	LM8310	1
5	Cable set for CarTrain "Hybrid and Electric Vehicles" training system	CO3223-7C	1

### Additionally recommended

Pos.	Product name	Bestell-Nr.	Anz.
6	Equipment for setting up a safety zone for Hybrid and Electric Vehicles	LM8661	1
7	Standard Group Lock Box for Lockout/Tagout (with 1 Padlock)	LM8660	1
8	Charging Station for PEV and PHEV	CO3221-6Q8	1

### Accessories:

Pos.	Product name	Bestell-Nr.	Anz.
9	SybaPro mobile InsTrain/CarTrain experiment trolley, 1070x1350x700mm	ST7200-3K	1
10	Monitor holder for flat screen monitor of weight up to 15kg / 33lbs	ST8010-4T	1

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11	<b>Protection cover for CarTrain/InsTrain experiment trolleys</b>	ST8010-9X	1
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12	<b>Under-table cabinet, suspended, 4 drawers, central locking</b>	ST8007-1A	1
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13	<b>PC holder for SybaPro experiment trolleys, height/width adjustable</b>	ST7200-5F	1