



Advanced Transportation Technology Center October 2018 – December 2018 Training Programs

Training Location: 1305 E. Pacific Coast Highway, Bldg. JJ, Room JJ-124, Long Beach, CA 90806

Automotive Technology Training

ISL-G Diagnosis and Repair Level 1 (16 hours)

This training provides a comprehensive review of inputs, actuators, and processing of the Cummins ISL-G CNG Electronic Engine Management System, including manual testing of components to learn where they are located on the engine and how they work. This class prepares you for the one-day INSITE class and the following ISL-G level 2 program.

Dates:	Day:	Time:
October 9 & 10	Tues/Wed	8:00am-4:30pm
November 6 & 7	Tues/Wed	8:00am-4:30pm
December 4 & 5	Tues/Wed	8:00am-4:30pm

ISL-G Diagnosis and Repair Level 2 (16 hours)

Learn hands-on diagnostics procedure for fault detection and repair of inputs, actuators, and processing of the Cummins ISL-G CNG Electronic Engine Management System, using Cummins own INSITE software tool.

Dates:	Day:	Time:
October 16 & 17	Tues/Wed	8:00am-4:30pm
November 13 & 14	Tues/Wed	8:00am-4:30pm
December 11 & 12	Tues/Wed	8:00am-4:30pm

INSITE for Cummins CNG/LNG Systems (8 hours)

Train on the leading OEM diagnostic software for Cummins Electronic Engine Management System. This hands-on workshop for technicians covers special parameters for ISL-G, user tips, diagnostic procedures, and screen-by-screen examples. It is highly recommended that this INSITE class be taken prior to taking the advanced portion of the ISL-G program, ISL-G Diagnosis and Repair Level 2.

Dates:	Day:	Time:
October 23	Tues	8:00am-4:30pm
November 27	Tues	8:00am-4:30pm
December 18	Tues	8:00am-4:30pm

CNG Cylinder Safety Inspection and Certification (16 hours)

Learn the regulations and proper required periodic inspection of cylinders used in Compressed Natural Gas vehicle applications. In this two-day class, designed for both technicians and management, inspection standards and techniques are covered along with acceptable damage and corrective actions. Notebook and study materials included in training fees. The CSA Certification exam is available through CSA America for an additional fee upon completion of the class.

Dates:	Day:	Time:
October 2 & 3	Tues/Weds	8:00am-4:30pm
October 30, 31	Tues/Weds	8:00am-4:30pm
November 28 & 29	Weds/Thurs	8:00am-4:30pm
December 19 & 20	Weds/Thurs	8:00am-4:30pm



Digital Volt Ohm Meter – DVOM (8 hours)

This class is designed to improve technicians' understanding of basic Digital Volt Ohm Meter (DVOM) functions through a hands-on approach and safe usage. Training includes both lecture and lab experiences. Technicians will be given the opportunity to take the Snap-on DVOM meter certification test and receive a certificate if they score 80% or higher on the exam.

Dates:

October 11
November 1
December 13

Day:

Thurs
Thurs
Thurs

Time:

8:00am-4:30pm
8:00am-4:30pm
8:00am-4:30pm

Electrical Principles (8 Hours)

Unlock the mystery of the Electrical System on a vehicle with this hands-on workshop. This class is a must for those seeking a better understanding of the diagnosis of electrical circuits.

Dates:

October 18
November 8

Day:

Thurs
Thurs

Time:

8:00am-4:30pm
8:00am-4:30pm

Electrical Schematics (8 Hours)

Using a hands-on approach, we will investigate the use of schematics and wiring diagrams in the troubleshooting of electrical circuits. We will be practicing diagnostic techniques to better understand the concepts involved.

Dates:

October 25
November 15

Day:

Thurs
Thurs

Time:

8:00am-4:30pm
8:00am-4:30pm

Electrical Scan Tools and Diagnostics (8 Hours)

Come learn how to best utilize scan tools in diagnostics of computerized circuits. We will be demonstrating the use of various scan tools and their features while learning the best practices used in diagnosis. Examples will include many manufacturers and systems available in the industry such as Snap-on, MasterTech, Ease, Determinator, INSITE, and other laptop based software.

Dates:

December 6

Day:

Thurs

Time:

8:00am-4:30pm