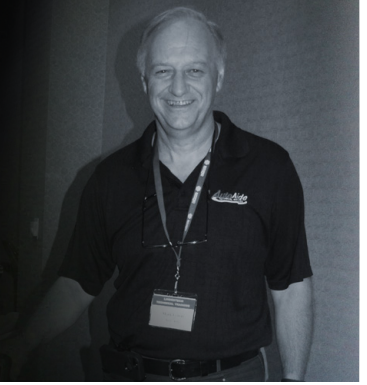# 2021 VIRTUAL TRAINING
WITH MARK LEMAY

TRAINING DATES

View class descriptions on back

Class 1: Feb 23, 27 2021

Class 7: March 9, 13 2021

Class 2: March 23, 27 2021

Class 8: April 13, 17 2021

Class 3: April 27, May 1 2021

Class 9: May 11, 15 2021

Class 4: May 25, 29 2021

Class 6: June 1, 5 2021

Class 10: June 15, 19 2021

Class 5: June 29, July 10 2021

Each Tuesday class will be broadcast at:
4:00pm and 7:00pm

Each Saturday class will be broadcast at: **9:00am**

After the final broadcast of each class all registered participants will receive a video copy of the webinar.

PRICING

10 Classes - **$550 (+HST) per student**

If a student misses a class they will still receive a copy of the video to watch later

ONLINE REGISTRATION

Register and pay Online by going to the following link:

www.form.jotform.com/201985347658267

WORKBOOK

AutoAide will provide a workbook for each course via email prior to the class.

CANADA-ONTARIO JOB GRANT

Additional funding **MAY** be available for qualified individuals.

The grant **can** cover up to 80% of the training cost.

Training cost: $550
COJG grant: - $440

Total cost: **$110**

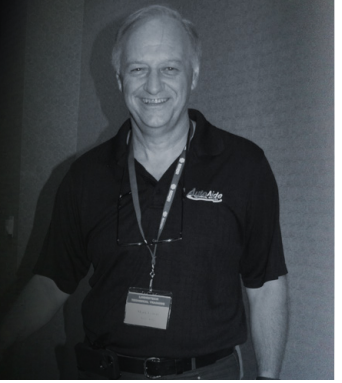***Participants are responsible for applying for the grant at: www.tcu.gov.on.ca/eng/eopg/cojg/**

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Auto Aide Technical Services Winter Spring 2021 Class Descriptions

Class 1: 3.0L Ecodiesel: 19-07

In this session we are going to examine the popular Dodge Ecodiesel. This class will provide an in depth look at the systems employed on this engine, scan data, bi-directional control of components for testing purposes and how to approach a diagnostic situation. Emphasis will be placed on how to diagnose failures.

Class 2: Fiat Chrysler Multi-Air cylinder engine: 19-08

The joint venture between Fiat and Chrysler has resulted in many new technologies. The Multi-Air engine is no exception. What makes this engine unique is the operation of the valve lift and timing mechanism. In this class we will cover operation of the system, scan data, scope readings and electrical testing as well as pressure transducer testing of the mechanical side of the system.

Class 3: Chevrolet Bolt EV: 19-09

This popular plug in electric vehicle and in our opinion one of the best presents some challenged for technician that may be unfamiliar with EV's. Our goal with this class will be to cover operation and diagnostics of the various systems that are employed. In addition, charging system technology will be covers as these cars cannot produce their own electricity and therefore must be recharged on a regular basis.

Class 4: Modern Air Suspension Systems: 19-10

Many light duty trucks and even some cars are now equipped with suspension levelling systems. All the manufacturers are using Air or Nitrogen as the medium to raise and lower the vehicle. This class looks at how these systems operate, available scan data and how to troubleshoot failures.

Class 5: Diagnosing Difficult Misfires: 20-01

Misfires can be difficult to diagnose once you get beyond the routine failures such as Ignition System and Fuel Injector problems. This class looks at what you do and how you do it to solve misfires that go beyond the normal range of diagnostics. We will look at a variety of issues and provide troubleshooting procedures to help you get to the bottom of a misfire complaint.

Class 6:How to Source Diagnostic Information: 20-02

One of the biggest challenges facing technicians today is getting your hands on the correct information at the correct time. We will look at a variety of scenarios where getting the right information was critical to solving the vehicle issue. This class will provide instruction on where and how to source diagnostic information.

Class 7: Advanced Case Studies Part 5: 20-03

Like Case Studies Part 4, a series of case studies will be used to help technicians develop their thinking skills. We will use the case study format as we work our way through problem vehicles as a group to help develop and refine a diagnostic thinking process that we can use when we get back to the shop. You need not have taken earlier classes to attend this class.

Class 8: Ford Charging Systems: 20-04

Ford uses a variety of charging systems ranging from simple voltage regulator-controlled systems through to LIN bus fully integrated systems. We will look at the current Ford charging systems in use today, we will cover operation, scan data where applicable, bi-directional controls and diagnostic procedures that allow you to quickly and accurately diagnose Ford Systems.

Class 9: GM Valve Control Systems: 20-05

General Motors employs several valve control systems on their engines, from cylinder de-activation system to variable valve timing control. This class looks at each of these different systems in depth. We will cover operation, scan data, current data from control solenoids, in cylinder pressure transducer testing and diagnostic strategies to help you solve valve train problems quickly and accurately.

Class 10: Diagnosing Low Power Concerns: 20-06

Getting to the root cause of a low power concern can be a challenge. Low power can be caused by a host of failures including, restricted exhaust, low fuel pressure, bad sensor information, engine base timing concerns and problems in other systems such as traction control that put the vehicle in low power mode. We will cover in this class how to analyze data and codes to determine the failure area and look at techniques to help solve these problems.

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