SECTION HEADING

TRAN 1145: Engine Performance I

Description

Engine Performance I identifies the proper techniques necessary to diagnose and repair OBDI I computer systems using diagnostic equipment. This course also covers fuel system components testing and repair.

Credits

2

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Emission systems

2. Fuel systems

3. Scanners, factory and manufacturer

4. Resource, skills, and information management

Learning Outcomes

1. Explain vehicle emission systems

2. Test fuel system/pressure

3. Service system filters

4. Utilize scan tool

5. Explain diagnostic code

6. Analyze diagnostic code

7. Comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulation.

8. *The required outcomes follow the Auto Service Technician (AST) model of the Board of the National Institute for Automotive Service Excellence (ASE)

Credit Details

Lecture: 1

Lab: 1

OJT: 0

MnTC Goal Area(s): None