Automotive MLR
Friday March 6th 2026 at 10:00 am

This year we will be at the Greenville Technical College McKinney Automotive Center. Friday morning will be the Automotive MLR Skills USA Competition.

As in years past, we will furnish the tools and equipment for the contest. Contestants will only need to have their official Skills USA uniform for the contest. We do ask that all contestants to complete check in by 9:30 AM on Friday morning.

Station 1: Written ASE style test 100 points 20 minute station
The test will consist of 50 multiple-choice questions randomly selected from all eight ASE areas.

Station 2: Information Station-Alldata 100 points 20 minute station
The contestant will be required to use Alldata to search for vehicle information.
Use electrical service information resources; locate specifications and other service information using electronic service information resources.

Station 3: Interview 100 points 20 minute station
The interview will consist of meeting with a prospective employer and answering questions that would normally be subject in an interview process. Contestants will fill out an application.
A resume is not required for this station.

Station 4: Engine Repair 100 points 20 minute station
This station will require the contestant to use precision measuring tools and record condition of parts and answer questions as they relate to engine related problem.

Station 5: Electrical-ATech Boards/Fluke Meters 100 points 20 minute station
The contestant using a Digital Multi-Meter will correctly measure circuits that they construct on an electrical ATech board. Contestants will also use Ohm's law to calculate circuit resistance, amperage and voltage.
Tools Used – Fluke87-V [Or Student supplied Auto Ranging DMM]

Station 6: HVAC 100 points 20 minute station
The contestant should be able to understand basic refrigeration cycle [State, Pressure, Components] of both orifice tube and thermal expansion valve systems. Contestant should have working knowledge of safety while using refrigerants and HVAC test equipment. The contestant should also be able to use and understand HVAC labels on the vehicle. The contestant should be able to find refrigerant leaks and understand air flow issues.

Station 7: **Suspension & Steering 100 points 20 minute station**
The contestant will find a leak and perform a proper tire repair procedure. The contestants will identify (TPMS) information using scanners or other tools. The contestants will identify information and wear on tires.

Station 8: **Automatic/Manual Transmission 100 points 20 minute station**
The contestants will identify components from an automatic and manual transmission. The contestants will check fluid level and condition.

Station 9: **Vehicle Inspections 100 points 20 minute station**
The contestants will complete a thorough Multi point inspection of a vehicle. Which could include lights, tire tread depths, air filter, cabin filter and etc.

Station 10: **Brakes 100 points 20 minute station**
The Contestants should be able to properly perform all the necessary steps as it relates to the following procedures:

- Disassemble and reassemble a Drum Brake System
- Disassemble and reassemble a Disc Brake System
- Remove a Brake Rotor
- Use a DMM to make Measurements
- Cut, Flare and Bend Brake Tubing
- Drum and Rotor Measurements