
**DSBN REGIONAL AUTOMOTIVE SERVICE CHALLENGE SKILLS CHALLENGE 2020
SECONDARY LEVEL SCOPE**

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PURPOSE OF THE CONTEST:

- Allow students to showcase their knowledge, skills and abilities in the Automotive Service field through simulated auto repair situations.
- Promote friendly competition and collaboration between students from the participating schools.

EVENT DETAILS:

Date: Wednesday, Feb. 26th, 2020

Time: 8:30 am - 4:00 pm

Location: Niagara College, Rankin Building, Welland Campus, TC14a

SKILLS AND KNOWLEDGE TO BE TESTED:

- **Engine components and measurement**
 - Identify, examine, measure for wear, record findings, recommend repair.
- **Electrical Circuit Diagnosis**
 - Locate and repair electrical faults on a circuit simulator board.
- **On-board computer information and trouble code retrieval**
 - Retrieve required information from on-board computer Solus scan tool.
- **Written exam**
 - Answer questions covering all aspects of auto repair and diagnosis.
- **Brake line flaring, bending and installation**
 - Properly flare two ends of a brake line with proper flare nuts. One end Bubble Flare one end double flare. Properly bend line and install into fittings.

- **Information retrieval**
 - Retrieve required repair and diagnosis information from Shop Key program.
- **Disc brakes**
 - Disassemble, inspect, measure pads, rotor min. thickness and run out. Reassemble.
- **Drum brakes**
 - Component Identification.
- **Electrical Trainer Board**
 - Follow an electrical schematic diagram and properly complete various circuits for vehicle lighting.

SAFETY REQUIREMENTS:

- Competitors are required to follow all industry safety standards during the competition.
- Safety glasses and safety approved footwear is required in the automotive lab at all times.

EQUIPMENT, MATERIALS, TOOLS, AND SUPPLIES:

Equipment Supplied by the Contest Coordinator:

- Most tools, supplies and equipment will be supplied by the co-ordinator. Individual schools should supply their own flaring tools (double) to accommodate student familiarity.

Equipment Supplied by the Competitor:

- Personal safety equipment (safety glasses) and event t-shirts must be worn at all times.

CLOTHING REQUIREMENTS:

- Casual business attire, along with the supplied DSBN Technology t-shirts. Competitors will NOT be getting dirty. Note that the TV & Video Challenge will be going on as well.

