SkillsUSA National Competition
Hands-On Station Equipment List

Station 1 (Hands-On) –
Station Equipment
1. 4-Stroke inboard or outboard motor (motor will not be started for this station)
2. Manufacture’s Service Manual
3. Hand tools to rotate the motor, remove and install the timing belt

Station 2 (Hands-On) –
Station Equipment
1. 4-Stroke inboard or outboard motor with adjustable valve clearance (motor will not be started for this station)
2. Manufacture’s Service Manual
3. Hand tools to rotate the motor
4. Feeler gauges or other special tools to check valve clearance

Station 3 (Hands-On) – Vapor Separator Tank (VST) with filters and float
Station Equipment
1. Vapor Separator Tank drained and removed from motor
2. Manufacture’s Service Manual
3. Hand Tools to disassemble and assemble the VST.
4. Special tools to measure the VST float height.

Station 4 (Hands-On) – Digital Multi-Meter
Station Equipment
1. 2-Stroke or 4-Stroke inboard or outboard motor with access to the stator/lighting coil leads (motor will not be started for this station)
2. Manufacture’s Service Manual
3. Digital Multi-Meter with Ohms scale.