

## NO RTEC JOB SPECIFIC SKILLS COMPETENCY

### AUTOMOTIVE COOLING SYSTEM TECHNICIAN

DOT: 620.261-034 / O'NET: 85302B SVP 7

Job Description: Inspect, service, and repair automotive cooling systems. *Physical Demands* - Mildly active w/medium lifting, carrying, or moving (up to 50 lbs); *General Educational Demand* - R4 M3 L3; *Aptitudes* - Above average General Learning Ability - Average Verbal, Numerical, Spatial, Form Perception, Motor Coordination, Finger Dexterity, and Manual Dexterity.

#### CORE SKILL COMPETENCIES/INDICATORS:

1. Can demonstrate a basic understanding of engine mechanics. (R, IN, S, T)
2. Can demonstrate familiarity with the basic principles of electronics. (R, IN, S, T)
3. Can demonstrate ability to identify different manufacturer's air conditioning units (R, IN, S, T)
4. Can demonstrate familiarity with factory service and repair procedures and specifications. (R, IN, S, T)
5. Can demonstrate ability to identify and appropriately utilize industry-specific hand, power, and machine tools. (R, S, T)
6. Can demonstrate ability to identify and appropriately utilize vacuum testers, pressure testers, voltmeters, and other specialized test equipment. (R, S, T)
7. Can demonstrate proper techniques used to check fluid levels, hoses, belts, connections, and water pumps of cooling systems to determine nature and extent of cooling system malfunctions. (R, S, T)
8. Can demonstrate proper techniques used to flush radiator to remove rust and mineral deposits. (R, S, T)
9. Can demonstrate proper techniques used to test and analyze electrical functions of cooling system components to locate cause of malfunctions. (R, S, T)
10. Can demonstrate proper techniques used to test and analyze vacuum functions of cooling system components to locate cause of malfunctions. (R, S, T)
11. Can demonstrate proper techniques used to test and analyze pressure functions of cooling system components to locate cause of malfunctions. (R, S, T)
12. Can demonstrate ability to appropriately adjust, repair or replace damaged or defective parts. (R, S, T)
13. Can demonstrate ability to appropriately write up system repair costs estimates for customers and obtain customer approval to perform repairs. (R, I, IN, S)
14. Can demonstrate ability to accurately record and figure parts and labor charges for billing purposes. (IN, S)
15. Can demonstrate a working knowledge of occupational safety standards and procedures. (IN, S)
16. Can demonstrate basic computer skills. (R, S, T)
17. Can demonstrate ability to effectively and appropriately communicate with customers. (I)
18. Can demonstrate ability to perform a variety of duties, changing from one task to another of a different nature without loss of efficiency or composure. (R, I, S, T)