

## NORTEC JOB SPECIFIC SKILLS COMPETENCY

### TELEVISION AND RADIO REPAIRER

DOT: 720.281-018; O'NET: 85708 SVP 7

**Job Description:** Repairs and adjusts radios and television receivers, using handtools and electronic testing instruments. *Physical Demands- Mildly Active w/medium lifting, carrying, or moving (up to 50 lbs) ; General Educational Development - R4 M3 L2; Aptitudes - Above average Spatial, Form Perception, and Manual Dexterity - Average General Learning Ability, Verbal, Numerical, Motor Coordination, and Finger Dexterity.*

#### CORE SKILL COMPETENCIES/INDICATORS:

1. Can demonstrate a knowledge of the basic principals and theories of electronics. (R, IN, S, T)
2. Can demonstrate a knowledge of basic electronic systems and components. (R, IN, S, T)
3. Can demonstrate ability to identify and appropriately utilize common hand tools, including screwdrivers, wrenches, wire cutters, files and pliers. (R, S, T)
4. Can demonstrate ability to identify and appropriately utilize specialized tools such as soldering irons and other special tools designed for particular components. (R, S, T)
5. Can demonstrate ability to disassemble a variety of components for the purpose of evaluating defects and/or malfunctions. (R, IN, S, T)
6. Can demonstrate ability to read and interpret service manuals, blue prints, schematic drawings and wiring diagrams. (IN, S)
7. Can demonstrate the correct use of testing devices such as voltmeter, ohmmeters, oscilloscope, circuit analyzer, signal generator and other electronic testing instruments. (R, IN, S, T)
8. Can demonstrate proper procedure for evaluating system performance under actual operating conditions. (R, IN, S)
9. Can demonstrate ability to pinpoint and repair or replace malfunctioning components and/or component parts. (R, IN, S, T)
10. Can demonstrate ability to tune or adjust equipment according to specifications to obtain optimum visual or auditory reception. (R, IN, S, T)
11. Can demonstrate ability to appropriately confer with customers to determine nature of problem or to explain repairs. (IN, I, S, T)
12. Can demonstrate ability to make service calls and appropriately repair units in customers' homes or return unit to shop for major repair, as needed. (R, IN, I, S, T)
13. Can demonstrate ability to correctly compute cost estimates for labor and materials. (IN, S)
14. Can demonstrate ability to prepare bill showing charges for parts and labour. (IN, S)
15. Can demonstrate ability to understand and maintain all shop safety procedures and requirements. (IN, S)
16. Can demonstrate ability to work independently to complete assignments and responsibilities. (R, I)
17. Can demonstrate the ability to work under stress to meet scheduled deadlines. (R, I)