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| Reference No. | | | | | | | | | | | | | | | | | | | |
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SELF-ASSESSMENT GUIDE

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|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------|-----------|
| Qualification | AUTOMOTIVE SERVICING (ELECTRICAL REPAIR) NC II | | | | | | | | | | | | | | | | | |
| Units of Competency Covered | <ul style="list-style-type: none"> • Service manual air-conditioner system • Diagnose and repair manual air-conditioner system • Repair manual air-conditioner compressor magnetic clutch • Diagnose and repair ignition system • Diagnose and repair starting system • Diagnose and repair charging system • Diagnose and repair body electrical system | | | | | | | | | | | | | | | | | |
| Instruction: | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • Read each question and check the appropriate column to indicate your answer. | | | | | | | | | | | | | | | | | | |
| Can I? | | | | | | | | | | | | | | | | | YES | NO |
| PERFORM PREPARATORY ACTIVITIES | | | | | | | | | | | | | | | | | | |
| • Identify the job required based on the Job/Repair Order * | | | | | | | | | | | | | | | | | | |
| • Select and check serviceability of needed diagnostic/dismantling tools, equipment and materials * | | | | | | | | | | | | | | | | | | |
| SERVICE MANUAL AIR-CONDITIONER SYSTEM | | | | | | | | | | | | | | | | | | |
| • Perform visual inspection of air-con system for preventive maintenance* | | | | | | | | | | | | | | | | | | |
| • Perform system performance tests following manufacturer’s repair manual * | | | | | | | | | | | | | | | | | | |
| • Service manual air-conditioning system following manufacturer’s manual | | | | | | | | | | | | | | | | | | |
| • Perform final inspection to check the quality of servicing done on manual air-conditioner system | | | | | | | | | | | | | | | | | | |
| DIAGNOSE AND REPAIR MANUAL AIR-CONDITIONER SYSTEM | | | | | | | | | | | | | | | | | | |
| • Identify malfunction/s on manual air-conditioner system and its causes by troubleshooting and performing diagnostic tests * | | | | | | | | | | | | | | | | | | |
| • Identify the appropriate repair procedure based on the diagnostic results * | | | | | | | | | | | | | | | | | | |
| • Perform necessary repair/replace or adjustment procedure of identified defective components following manufacturer’s repair manual * | | | | | | | | | | | | | | | | | | |
| • Perform final inspection to check the quality of repair done on manual air-conditioner system | | | | | | | | | | | | | | | | | | |
| REPAIR MANUAL AIR-CONDITIONER COMPRESSOR MAGNETIC CLUTCH | | | | | | | | | | | | | | | | | | |
| • Remove and inspect magnetic clutch and its components by using appropriate tools * | | | | | | | | | | | | | | | | | | |
| • Install magnetic clutch components according to manufacturer’s repair manual * | | | | | | | | | | | | | | | | | | |

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| • Check installation by measuring tolerances, resistances and clearances according to manufacturer's repair manual | | |
| | YES | NO |
| • Perform final inspection to check the quality of repair done in compressor magnetic clutch | | |
| DIAGNOSE AND REPAIR IGNITION SYSTEM | | |
| • Identify malfunction/s on ignition system through inspection following manufacturer's repair manual * | | |
| • Perform necessary repair/replacement or adjustment procedure on identified defects in ignition system components * | | |
| • Perform final inspection to check the quality of repair done | | |
| DIAGNOSE AND REPAIR STARTING SYSTEM | | |
| • Identify malfunction/s on starting system based on diagnostic tests and inspection findings * | | |
| • Identify the appropriate repair procedure based on the inspection results (ex. replace armature coil, field oil, bearings, magnetic switch, etc.) * | | |
| • Perform necessary repair/replacement or adjustment procedure on identified defects in starting system components * | | |
| • Perform final inspection to check the quality of repair done on starting system components | | |
| DIAGNOSE AND REPAIR CHARGING SYSTEM | | |
| • Identify malfunction/s on charging system based on the inspection results * | | |
| • Identify the appropriate repair procedure based on the inspection results (ex. replace rotor shaft bearing, replace carbon brush, etc.) * | | |
| • Perform necessary repair/replacement or adjustment procedure on identified defects in charging system components * | | |
| • Perform final inspection to check the quality of repair done | | |
| DIAGNOSE AND REPAIR BODY ELECTRICAL SYSTEM | | |
| • Identify malfunction/s on body electrical system based on the inspection results * | | |
| • Identify the appropriate repair procedure based on the inspection results (ex. soldering of wires, replace fuse, relays, switches and bulbs, etc.) * | | |
| • Perform necessary repair/replacement or adjustment procedure on identified defects in body electrical system components * | | |
| • Perform final inspection to check the quality of repair done | | |
| PERFORM POST-ACTIVITIES | | |
| • Record inspection findings, irregularities and/or recommendations (IF ANY) in the Job/Repair Order | | |
| • Clean and store tools, supplies, equipment, demo or mock-up vehicle | | |

| OBSERVES WORK ENVIRONMENT, HEALTH, SAFETY AND PRACTICES | | |
|--|--|-------------|
| • Clean work area and practice good housekeeping | | |
| • Practice 3 Rs (reduce, recycle, re-use) and proper waste disposal, according to environmental standards * | | |
| • Identify hazards and risks associated with work | | |
| • Use appropriate PPE | | |
| • Practice works safety and health measures in performing tasks | | |
| I agree to undertake assessment with the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor. | | |
| Candidate's Name and Signature | | Date |