MODULE CONTENT

| Unit of Competency | **DIAGNOSE AND REPAIR BODY ELECTRICAL SYSTEM** |
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| Module Title | **DIAGNOSING AND REPAIRING BODY ELECTRICAL SYSTEM** |
| Module Descriptor | This unit covers the knowledge, skills and attitudes  required to diagnose and repair body electrical system  such as lighting, wiper, door locks, power window, horn,  accessories and other electrical system |
| Nominal Duration | **hours** |
| Summary of the Learning Outcomes: | |
| Upon completion of this module the student must be able to: | |
| LO1. Prepare to diagnose and repair body electrical system | |
| LO2. Diagnose body electrical system | |
| LO3. Repair body electrical system | |
| LO4. Complete work processes | |

**LEARNING EXPERIENCES**

**LEARNING OUTCOMES NO. 2**

**REPAIR BODY ELECTRICAL SYSTEM**

| **Learning Activities** | **Special Instructions** |
| --- | --- |
| Read Information Sheet 3.1-1 Repair body electrical system | If you have some problem with the content of the information sheet don’t hesitate to approach your Trainer.  If you feel that you are now knowledgeable on the content of the information sheet, you can now answer the self-check provided in the module. |
| Answer Self-Check 3.1-1 on Repair body electrical system | Try to answer the Self-check without looking at the Answer Key  Compare your answer to Answer Key 3.1-1 |
| Observe Trainer’s demonstration on Task Sheet 3.1-1 on Repair body electrical system | Listen carefully and attentively so that you may be able to perform a task correctly  Ask questions if are in doubt for clarification |
| Perform the Task Sheet 3.1-1 on Repair body electrical system | Remember the step-by-step procedure of the Repair body electrical system |
| Evaluate the performance using the Performance Criteria Checklist 3.1-1 | Repeat the task in case fail to meet the criteria |

**INFORMATION SHEET 1.1-1**

**REPAIR BODY ELECTRICAL SYSTEM**

**Learning Objectives:**

After reading this **Information Sheet**, you must be able to:

1. Solder of wires
2. Replace fuse, relays, switches and bulbs
3. Replace assembly components

**BODY ELECTRICAL SYSTEM**

**REMOVING A MULTIFUNCTION SWITCH**





The tools required test and remove a Place the fender covers over the fender multifunction switch are fender covers, the vehicle. battery terminal pliers and pullers, assorted wrenches, Torx driver set, and an ohmmeter





Loosen the negative battery clamp bolt and Remove the shroud retaining screws and

remove the battery clamp. Place the cable remove the lower shroud from the steering where it cannot contact the battery column





Loosen the steering column attaching nuts. Lower the steering column just enough to

Do not remove the nuts. remove the upper shroud.

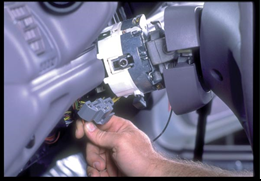




Remove the turn signal lever by simply Peel back the foam shield from the turn

rotating the outer end of the lever. Then signal switch.

pull it straight out.

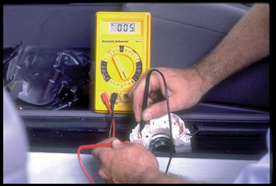




Disconnect the turn signal switch electrical Remove the screws that attach the switch

connectors. to the lack of cylinder assembly.





Disengage the switch from the lock Use an ohmmeter to test the switch. Check

Assembly for continuity when the the high-beam terminals.

open between





When the switch is in the low-beam Also check the other terminals and circuits

position, the circuit should be open between that should be open when the dimmer

the high-terminals. switch is in the low-beam position.





With the switch in the high-beam position, When the dimmer, switch is placed in the

there should be continuity across the high- flash-to-pass position, there should be

beam circuit. Also check for continuity continuity across those designated terminal

across the other circuits that should be open and an open across the others.

when the switch is in the high-beam position.