## A6/U6/L2 STARTING SYSTEM

### **JSA6C5 Starter Switches, Wires, Connectors**

		Start Date:	
Name:		End Date:	
Make:	Model:	Year:	
VIN:		Mileage:	

#### LEARNING OBJECTIVE/NATEF TASK



 Inspect and test switches, connectors, and wires of starter control circuits; perform necessary action.
 NATEF TASK A6/C5, P2. ICS160, 166

#### MATERIALS

Classroom Vehicle (s), OEM service information, Fender Covers, Digital Multimeter (DMM), jumper wires

#### PROCEDURE

• Wear Safety Glasses for this entire procedure.

Next

 Review Lesson 2 in UNIT 6 of the A6 Course. Locate in the OEM service information the procedure for testing switches, wires, and connectors of the starting circuit and the wiring diagram for vehicle you are using. Submit this procedure and wiring diagram to your instructor or mentor for approval.

Your Instructor MUST stamp or initial the box to the right before you can proceed with this job sheet.



1. Disable the ignition system to prevent the vehicle from starting. On this type of ignition system how did you prevent the engine from starting?

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- 7. Connect the voltmeter across the following circuits and record the voltage reading while the engine is being cranked.
  - a. Battery (or fuse block) to ignition switch: \_\_\_\_\_ volts
  - b. Input to output of the ignition switch:\_\_\_\_\_volts
  - c. Output of ignition switch to starting safety switch input:\_\_\_\_\_volts
  - d. Input of starting safety switch to output:\_\_\_\_\_volts
  - e. Output of starting safety switch to solenoid or relay:\_\_\_\_\_volts
- 8. A reading of more than 0.1 volt across anyone wire or switch usually indicates a problem. If a high reading is obtained across a starting safety switch used on automatic transmissions, check the adjustment of the switch according to OEM service information.

### TASK SUMMARY

• Now that you have completed this NATEF task, can you think of anything (tools, information, knowledge etc.) that would have made this task easier.

Next

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<ul> <li>List a customer complaint together with the cause determined by this diag nostic/inspection task that might appear on a work order, and then list the NATEF Task CORRECTION you would use to resolve the complaint.</li> </ul>		
COMPLAINT:		
1. Perform Checks/Inspect:		
2. Referencing Bulletin:		
CAUSE:		
1. Diagnosis: USED THIS NATEF DIAGNOSIS TASK		
2. Operating as designed:		
3. Cause identified as:		
CORRECTION:		
1. Other Correction:		
2. Correction Verified By:		
Use this Rubric to RATE the completion of Job Sheet 1 = Demonstrated exposure/observation of the competency 2 = Applies the competency but only mastered a few essential attributes of the competency 3 = Capable of the competency but needs further practice 4 = Performs the competency satisfactorily 5 = MASTERED the competency		

Instructor

Mentor



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