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## SYSTEM DESCRIPTION

### 1. SLIDING ROOF SYSTEM DESCRIPTION

- (a) The sliding roof drive gear (sliding roof ECU) monitors switch signals from the sliding roof motor switch using a direct line and drives the motor built into the sliding roof drive gear (sliding roof ECU) according to the switch signals.

## HOW TO PROCEED WITH TROUBLESHOOTING

### HINT:

- Use this procedure to troubleshoot the sliding roof system.
- The intelligent tester should be used in steps 3 and 5.

**1 VEHICLE BROUGHT TO WORKSHOP**

**NEXT**

**2 CUSTOMER PROBLEM ANALYSIS CHECK AND SYMPTOM CHECK**

**NEXT**

**3 INSPECT COMMUNICATION FUNCTION OF LARGE-SCALE MULTIPLEX COMMUNICATION SYSTEM (BEAN)**

- (a) Use the intelligent tester to check for normal function of the multiplex communication system.
- (1) (ECU unconnected, communication stop, communication line malfunctioning) Without code outputs, proceed to A.
  - (2) (ECU unconnected, communication stop, communication line malfunctioning) With code outputs, proceed to B.

**B**

**Go to MULTIPLEX COMMUNICATION SECTION**

**A**

**4 PROBLEM SYMPTOMS TABLE**

- (a) If the fault is not listed on the problem symptoms table, proceed to A.
- (b) If the fault is listed on the problem symptoms table, proceed to B.

**B**

**Go to step 6**

**A**

**5 OVERALL ANALYSIS AND TROUBLESHOOTING**

- (a) DATA LIST / ACTIVE TEST (See page [RF-26](#))
- (1) Inspection with intelligent tester (DATA LIST).
  - (2) Inspection with the intelligent tester (ACTIVE TEST).
- (b) Terminals of ECU (See page [RF-23](#))
- (c) On-vehicle inspection.

NEXT

6 ADJUST, REPAIR OR REPLACE

NEXT

7 CONFIRMATION TEST

NEXT

END