05ID5–01

HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

- Use these procedures to troubleshoot the power window control system.
- The intelligent tester II should be used in step 3, 4 and 6.

1	VEHICLE BROUGHT TO WORKSHOP

2	CUSTOMER PROBLEM ANALYSIS CHECK AND SYMPTOM CHECK

3	CHECK COMMUNICATION FUNCTION OF LARGE–SCALE BODY MULTIPLEX COMMUNICATION SYSTEM (BEAN)

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

B	Go to MULTIPLEX COMMUNICATION SYSTEM (See page 05–1726)

A

4	PROBLEM SYMPTOMS TABLE (See page 05–1728)

(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
(1) Inspection with the intelligent tester II (DATA LIST).
(2) Inspection with the intelligent tester II (ACTIVE TEST).
(b) On–vehicle Inspection (see page 05–1763).
(c) Inspection (see page 05–1766).
(d) Terminals of ECU (see page 05–1729).

6	ADJUST, REPAIR OR REPLACE

7	CONFIRMATION TEST

END