

# HOW TO PROCEED WITH TROUBLESHOOTING

HINT:

- Use this procedure to troubleshoot the smart key system.
- The hand-held tester should be used in step 3 and 5.

<b>1</b>	<b>VEHICLE BROUGHT TO WORKSHOP</b>
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<b>2</b>	<b>CUSTOMER PROBLEM ANALYSIS CHECK AND SYMPTOM CHECK</b>
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<b>3</b>	<b>CHECK COMMUNICATION FUNCTION OF LARGE-SCALE BODY MULTIPLEX COMMUNICATION SYSTEM (BEAN)</b>
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- (a) Use the hand-held tester 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>B</b>	<b>Go to MULTIPLEX COMMUNICATION SYSTEM (See page 05-2027)</b>
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<b>4</b>	<b>PROBLEM SYMPTOMS TABLE (See page 05-2029)</b>
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- (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>B</b>	<b>Go to step 6</b>
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**5 OVERALL ANALYSIS AND TROUBLESHOOTING**

- (a) DATA LIST/ACTIVE TEST  
Inspection with the hand-held tester (DATA LIST).
- (b) On-vehicle Inspection (see page [05-2063](#)).
- (c) Inspection (see page [05-2065](#)).
- (d) Terminals of ECU (see page [05-2030](#)).

**6 ADJUST, REPAIR OR REPLACE****7 CONFIRMATION TEST****END**