

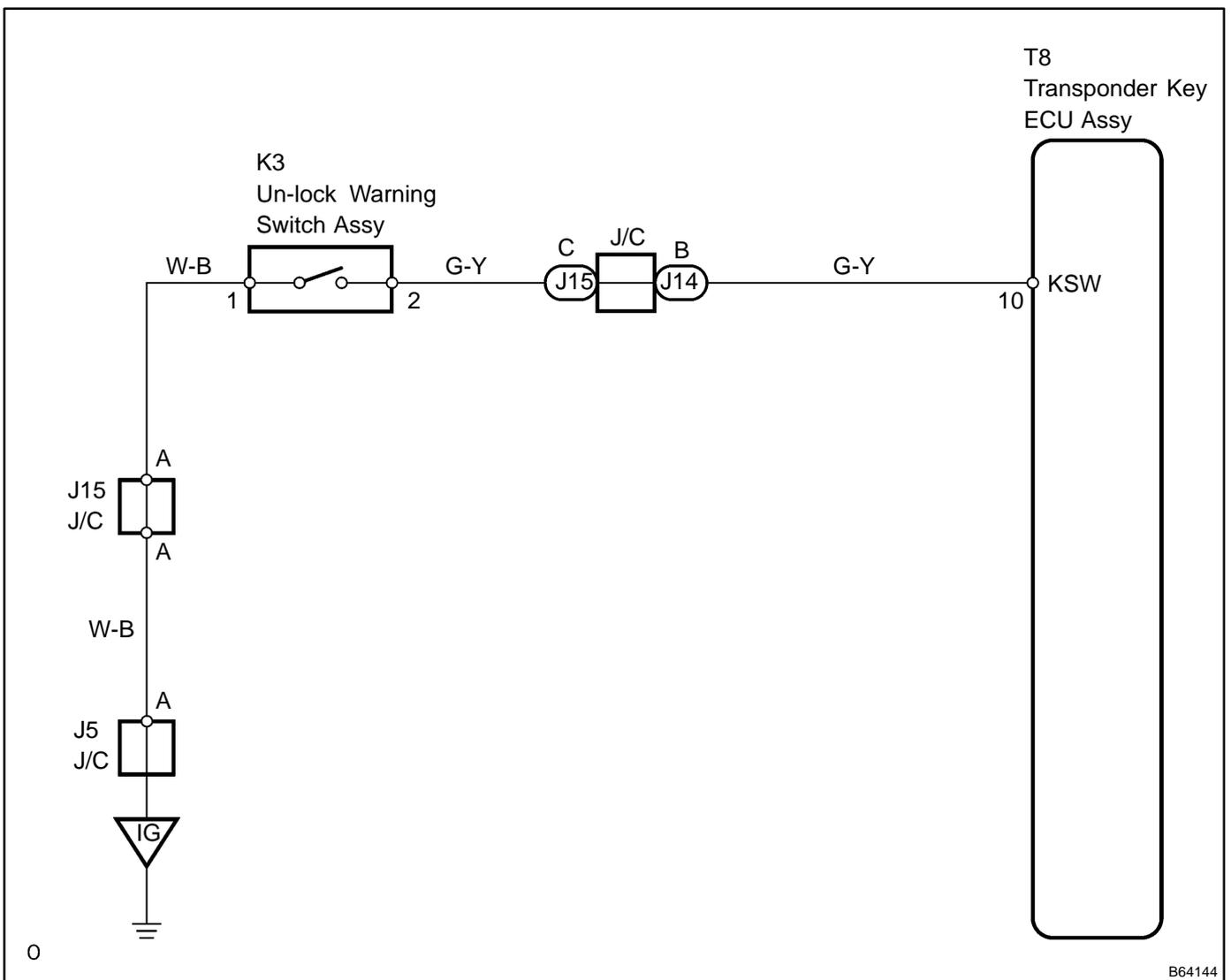
<b>DTC</b>	<b>B2780</b>	<b>PUSH SWITCH/KEY UNLOCK WARNING SWITCH MALFUNCTION</b>
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### CIRCUIT DESCRIPTION

This DTC will be output if the transponder key ECU does not detect the un-lock warning switch ON even when the ignition switch is ON (In the normal condition, the un-lock warning switch should be ON when the ignition switch is ON).

DTC No.	DTC Detection Condition	Trouble Area
B2780	Un-lock warning switch ON is not detected when ignition switch is ON	<ul style="list-style-type: none"> <li>• Un-lock warning switch</li> <li>• Wire harness</li> <li>• Transponder key ECU assy</li> </ul>

### WIRING DIAGRAM



## INSPECTION PROCEDURE

**HINT:**

Start the inspection from step 1 when using the hand-held tester and start from step 2 when not using the hand-held tester.

<b>1</b>	<b>READ VALUE OF HAND-HELD TESTER (TRANSPONDER KEY ECU (SWITCH CONDITION))</b>
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- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON with the key with which the engine does not start.
- (c) Select the item "KEY SW" on the hand-held tester.

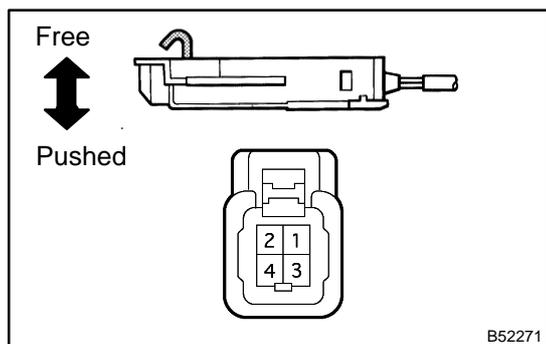
**OK: NORMAL**

**NG: FAIL**

**OK** → **REPLACE TRANSPONDER KEY ECU ASSY**

**NG**

<b>2</b>	<b>INSPECT UN-LOCK WARNING SWITCH ASSY</b>
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- (a) Remove the un-lock warning switch.
- (b) Inspect the un-lock warning switch continuity.

**Standard:**

Terminal No.	Condition	Specified Condition
1 ↔ 2	Switch pushed (Key removed)	Continuity
	Switch free (Key set)	No continuity

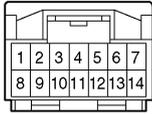
**NG** → **REPLACE UN-LOCK WARNING SWITCH ASSY**

**OK**

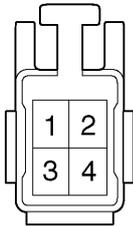
**3 CHECK WIRE HARNESS (TRANSPONDER KEY ECU ASSY ↔ UN-LOCK WARNING SWITCH)**

**Wire Harness Side**

T8  
Transponder Key ECU Assy



K3  
Un-lock Warning Switch



B63404  
B62226

B64973

- (a) Disconnect the T8 ECU and K3 un-lock warning switch connectors.
- (b) Check the continuity between the wire harness side connectors.

**Standard:**

Symbols (Terminal No.)	Specified Condition
KSW (T8-10) ↔ - (K3-2)	Continuity

**NG REPAIR OR REPLACE HARNESS AND CONNECTOR**

**OK**

**REPLACE TRANSPONDER KEY ECU ASSY**