

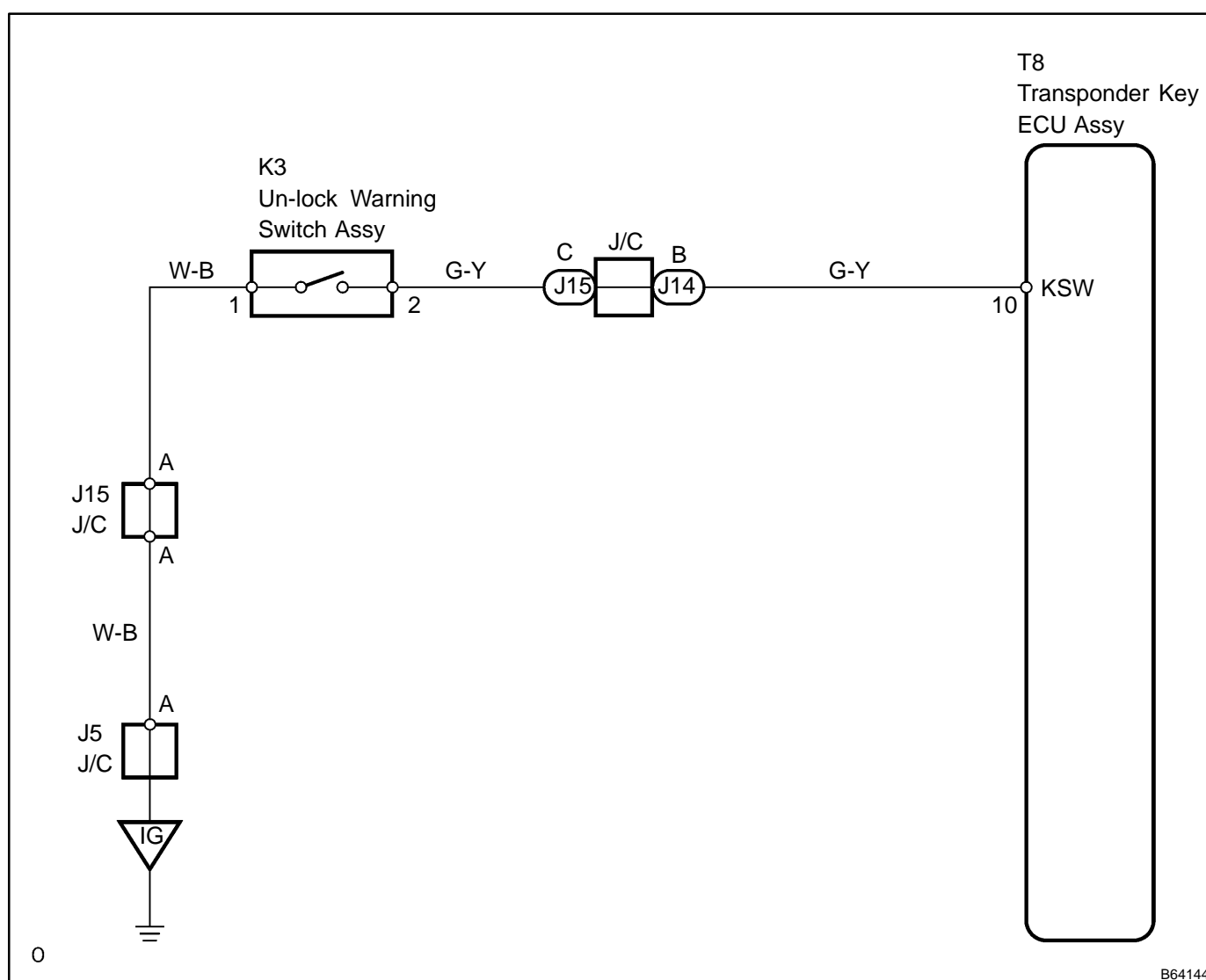
DTC	B2780	PUSH SWITCH/KEY UNLOCK WARNING SWITCH MALFUNCTION
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CIRCUIT DESCRIPTION

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"> • Un-lock warning switch • Wire harness • Transponder key ECU assy

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.

1 READ VALUE OF HAND-HELD TESTER (TRANSPONDER KEY ECU (SWITCH CONDITION))

- (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

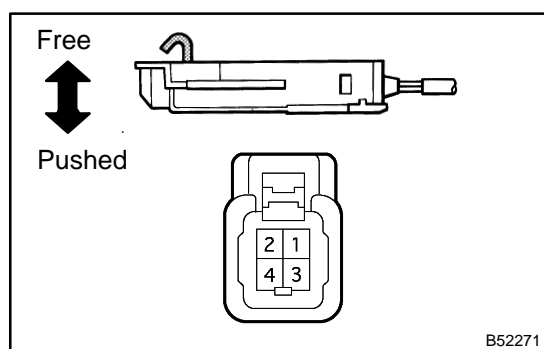
NG: FAIL

OK

REPLACE TRANSPONDER KEY ECU ASSY

NG

2 INSPECT UN-LOCK WARNING SWITCH ASSY



- (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

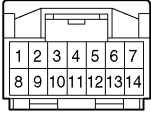
OK

3

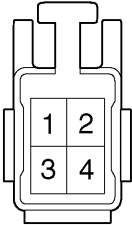
CHECK WIRE HARNESS
(TRANSPONDER KEY ECU ASSY ⇔ UN-LOCK WARNING SWITCH)

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