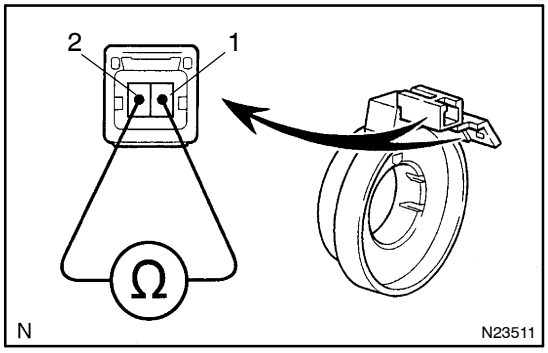
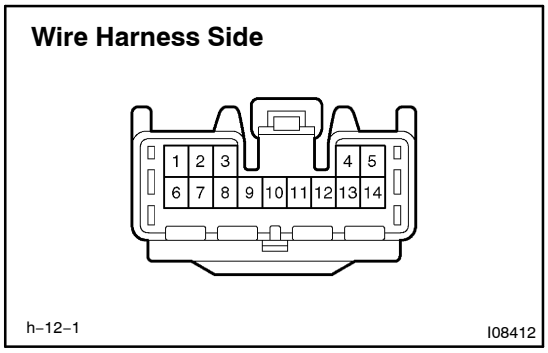
BE0YM–01

INSPECTION



1. INSPECT TRANSPONDER KEY COIL CONTINUITY

Check that continuity exists between terminal 1 and 2.
If continuity is not as specified, replace the coil.

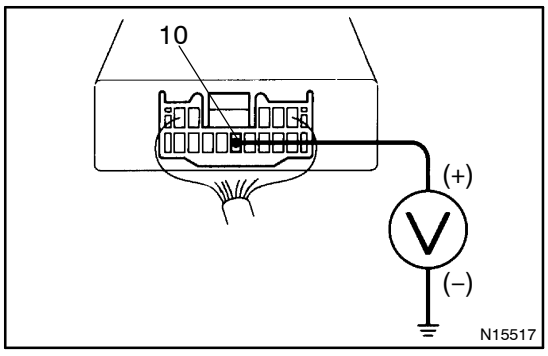


2. INSPECT TRANSPONDER KEY ECU CIRCUIT

Disconnect the connector from the ECU and inspect the connector on the wire harness side, as shown in the table below.

Tester connection	Condition	Specified condition
1 – Ground	Constant	Battery voltage
2 – Ground	Ignition switch ON	Battery voltage
8 – Ground	All doors closed	No continuity
8 – Ground	All doors open	Continuity
9 – Ground	Key unlock warning switch OFF (key removed)	No continuity
9 – Ground	Key unlock warning switch ON (key inserted)	Continuity
14 – Ground	Constant	Continuity

If the circuit is not as specified, try replacing the ECU with a new one.
If the circuit is not as specified, inspect the circuits connected to other parts.



3. INSPECT TRANSPONDER KEY ECU

(a) With the connector connected, connect the positive (+) lead from the analog type tester to terminal 10 and the negative (–) lead to the body ground.
(b) Check that there is battery voltage when the ignition switch turned ON.
(c) Check that the tester needle swings strongly for approx. 1 sec. when the engine is started using the ignition key.