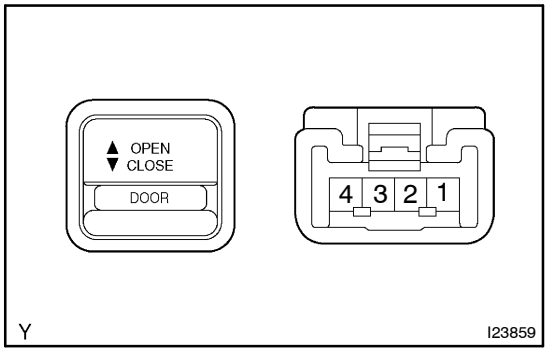
BE2B6–01

INSPECTION

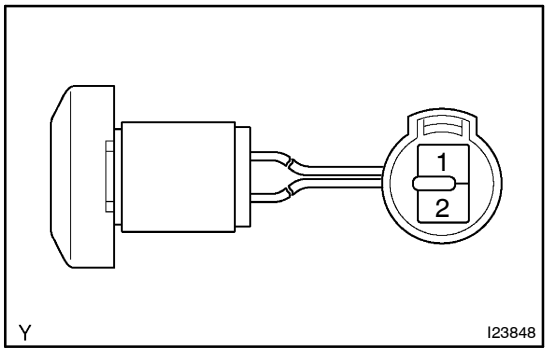
1. INSPECT AUTOMATIC DOOR CONTROL SWITCH CONTINUITY



Switch position	Tester connection	Specified condition
OPEN	1 – 4	Continuity
NEUTRAL	–	No continuity
CLOSE	2 – 4	Continuity

If the continuity is not as specified, replace the switch.

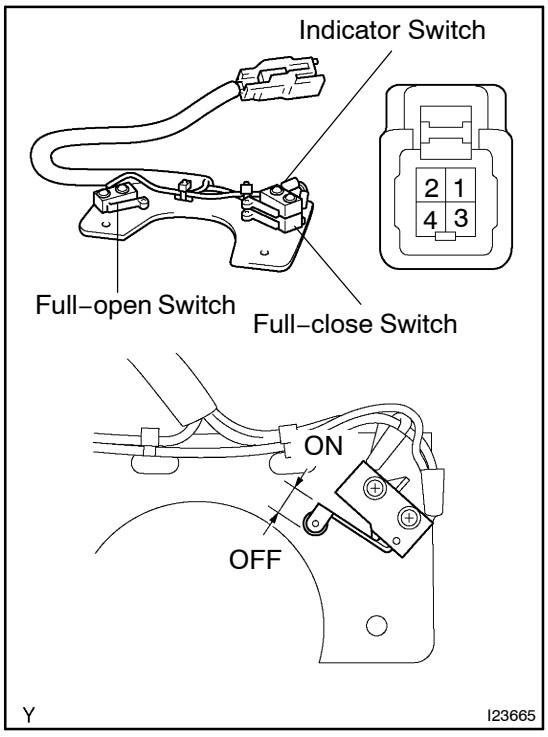
2. Australia and Singapore: INSPECT AUTOMATIC DOOR EMERGENCY SWITCH CONTINUITY



Switch position	Tester connection	Specified condition
Free	–	No continuity
Push	1 – 2	Continuity

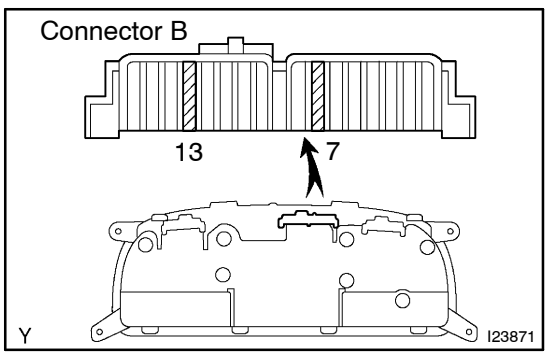
If the continuity is not as specified, replace the switch.

3. INSPECT AUTOMATIC DOOR SWITCH CONTINUITY



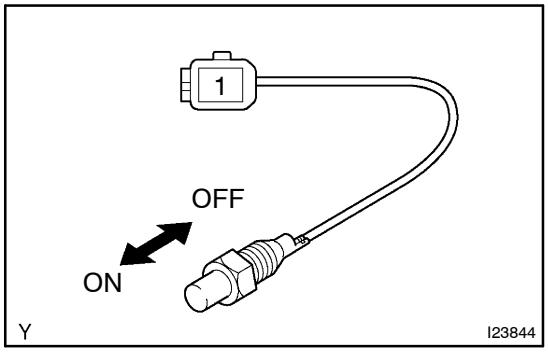
Switch position	Tester connection	Specified condition
Indicator switch ON	2 – 4	Continuity
Indicator switch OFF	2 – 4	No continuity
Full–close switch ON	3 – 4	Continuity
Full–close switch OFF	3 – 4	No continuity
Full–open switch ON	2 – 4	Continuity
Full–open switch OFF	2 – 4	No continuity

If the continuity is not as specified, replace the switch.
HINT:
"Switch ON" means the condition that the switch roller is pushed in in this part.



4. INSPECT SPEED SENSOR CONTINUITY

(a) Remove the speed sensor in the transmission side.
(b) Check the voltage between terminals 7 and 13 of the connector B in the back side of the combination meter while turning the speed sensor shaft slowly.
Standard: While the shaft is turning around, a switch of "HI" and "LO" repeats 4 times in 1 rotation.

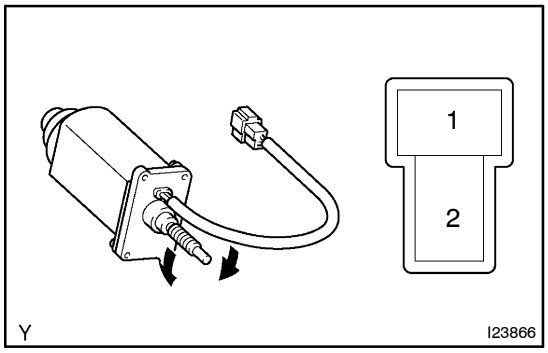


5. INSPECT CENTER DOOR COURTESY SWITCH CONTINUITY

(a) Check that continuity exists between terminal 1 and the switch body with the switch ON (switch pin released: door opens).

(b) Check that no continuity exists between terminal and switch body with the switch OFF (switch pin pushed in: door closes).

If the operation is not as specified, replace the switch.

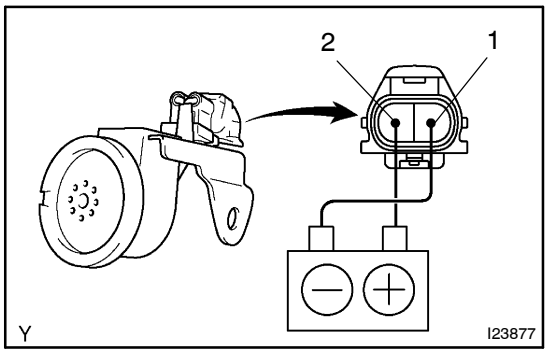


6. INSPECT AUTOMATIC DOOR REGULATOR MOTOR OPERATION

(a) Connect the positive (+) lead from the battery to terminal 1 (2) and the negative (–) lead to terminal 2 (1), and check the motor turns clockwise.
( ): RHD

(b) Reverse the polarity, and check that the motor turns counterclockwise.

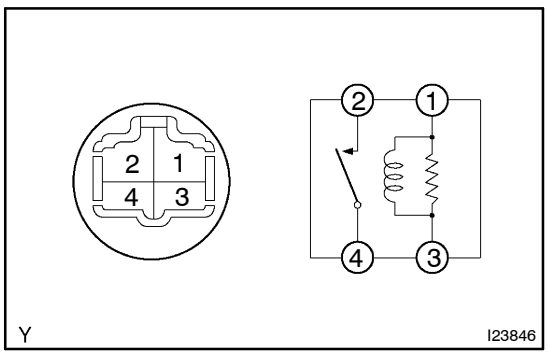
If the operation is not as specified, replace the motor.



7. INSPECT AUTO DOOR WARNING BUZZER OPERATION

Connect the positive (+) lead from the battery to terminal 2 and the negative (–) lead to terminal 1, and check the buzzer sounds.

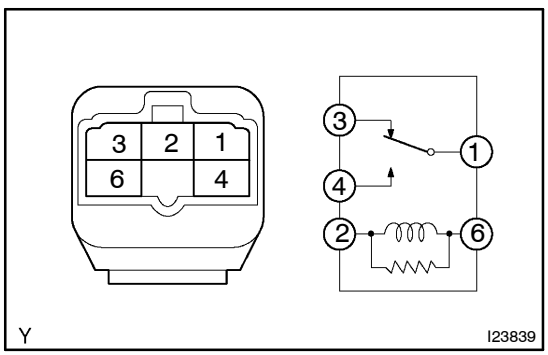
If the buzzer does not as sound, replace the buzzer.



8. INSPECT AUTO–DOOR RELAY CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 – 3	Continuity
Apply B+ between terminals 1 and 3.	2 – 4	Continuity

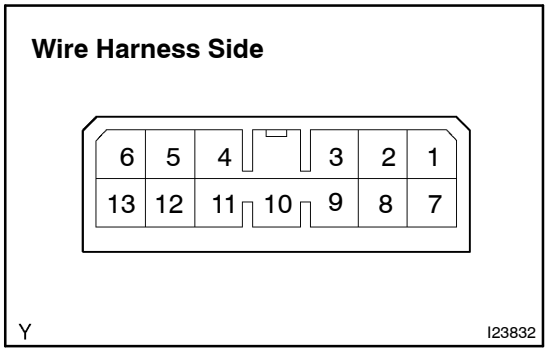
If the continuity is not as specified, replace the relay.



9. INSPECT AUTOMATIC DOOR RELAY CONTINUITY (For Open and Close)

Condition	Tester connection	Specified condition
Constant	1 – 3 2 – 6	Continuity
Apply B+ between terminals 2 and 6.	1 – 4	Continuity

If the continuity is not as specified, replace the relay.



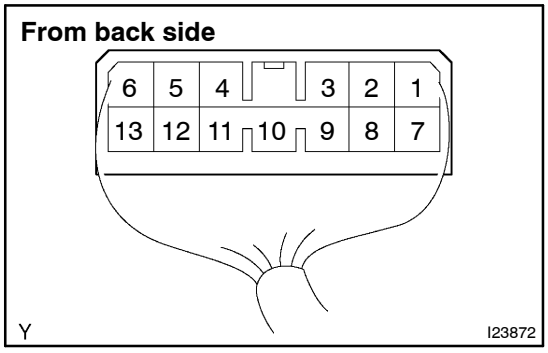
10. Connector disconnected:
INSPECT DOOR CONTROL RELAY CIRCUIT

Disconnect the connector from the relay and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
1 – Ground	Door fully open	∞
1 – Ground	Door not fully open	60 – 90 Ω (200 – 300 Ω)
2 – Ground	Door fully close	∞
2 – Ground	Door not fully close	60 – 90 Ω (200 – 300 Ω)
6 – Ground	Constant	60 – 90 Ω (200 – 300 Ω)
8 – Ground	Constant	60 – 90 Ω (200 – 300 Ω)
10 – Ground	Constant	Continuity
11 – Ground	Ignition switch ON	Battery voltage

( ): 24 V voltage battery

If the circuit is not as specified, inspect the circuits connected to other parts.



11. Connector connected:
INSPECT DOOR CONTROL RELAY CIRCUIT

Connect the connector to the relay and inspect the connector from the back side, as shown in the illustration.

Tester connection	Condition	Specified condition
1 – 10	Door control switch, Open–side ON	0 V → 9 V (0 V → 18 V)
2 – 10	Door control switch, Close–side ON	0 V → 9 V (0 V → 18 V)
3 – 10	Motor operating	0 V → 9 V (0 V → 18 V)
4 – 10	Door control switch, Close–side ON	9 V or more (18 V or more)
5 – 10	Door control switch, Open–side ON	9 V or more (18 V or more)
6 – 10	Ignition switch ON	9 V or more (18 V or more)
8 – 10	0.5 seconds after door control switch ON	9 V or more (18 V or more)

9 – 10	Ignition switch ON and slowly move the driving wheel	Battery voltage
10 – 12	Ignition switch ON	0 V ↔ 5 V repeated

( ): 24 V voltage battery

If the circuit is not as specified, inspect the circuits connected to other parts.