057TG–01

TERMINALS OF ECU

Integration Relay Connector
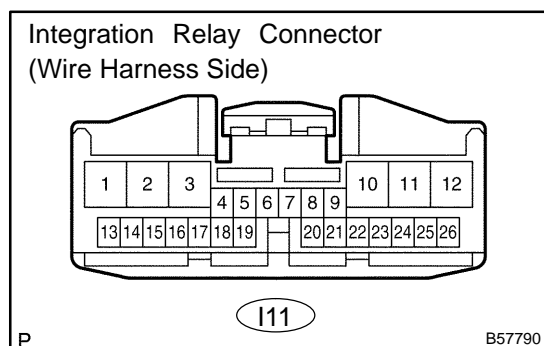(Wire Harness Side)

I11

P   B57790

1.   INSPECT INTEGRATION RELAY

(a)   Disconnect the connector and check the continuity of each terminal of the disconnected connector.
Standard :

Symbols (Terminal No.)	Wiring color	Condition	Specified Condition
L1 (I11–9) ⇔ Body ground	L–W ⇔ Body ground	[w/ power window] Master switch (Manual door lock operation) OFF → LOCK [w/o power window] Driver's door control switch (Manual operation) OFF → LOCK Passenger's door control switch (Manual operation) OFF → LOCK	No continuity → Continuity
L2 (I11–7) ⇔ Body ground	G ⇔ Body ground	Key in driver's door lock cylinder LOCK → Other position Key in passenger's door lock cylinder LOCK → Other position	Continuity → No continuity
UL1 (I11–8) ⇔ Body ground	L ⇔ Body ground	[w/ power window] Master switch (Manual door lock operation) OFF → UNLOCK [w/o power window] Door control switch (Manual operation) OFF → UNLOCK Passenger's door control switch (Manual operation) OFF → UNLOCK	No continuity → Continuity
UL2 (I11–5) ⇔ Body ground	L–B ⇔ Body ground	Key in passenger's door lock cylinder UNLOCK → Other position	Continuity → No continuity
UL3 (I11–6) ⇔ Body ground	L–Y ⇔ Body ground	Key in driver's door lock cylinder UNLOCK → Other position	
LSWD (I11–19) ⇔ Body ground	W ⇔ Body ground	Driver's door lock control knob LOCK → UNLOCK	No continuity → Continuity
LSWP (I11–18) ⇔ Body ground	W–R ⇔ Body ground	Passenger's door lock control knob LOCK → UNLOCK	
PCTY (I11–13) ⇔ Body ground	R–W ⇔ Body ground	Passenger's door fully closed → Opened	No continuity → Continuity

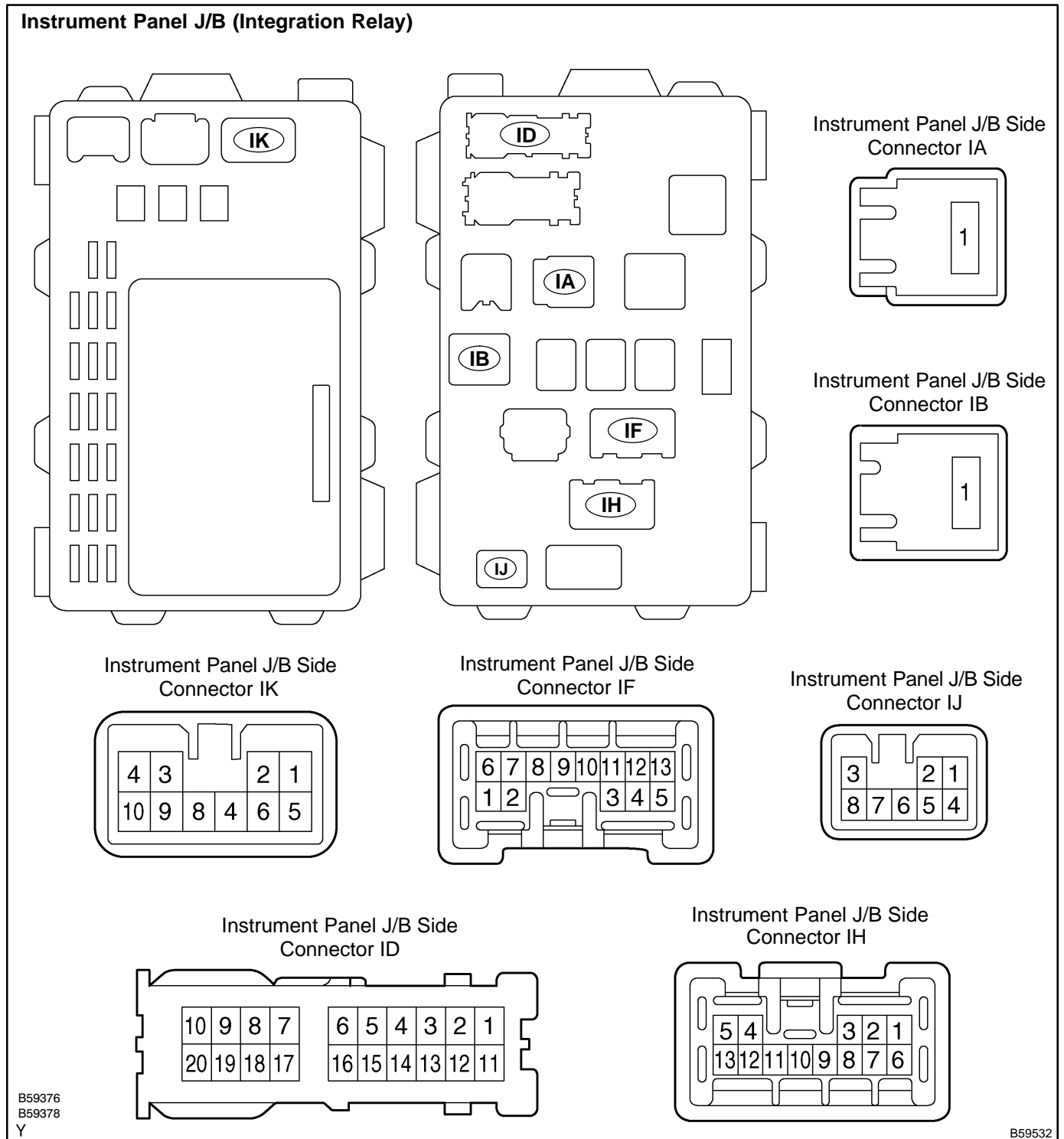If the result is not as specified, the vehicle's side may malfunction.

(b)   Reconnect the connector and check each terminal.
Standard:

Symbols (Terminal No.)	Wiring color	Condition	Specified Condition
ACTD (I11–1) ⇔ Body ground	R ⇔ Body ground	Key in driver's door lock cylinder OFF → LOCK	0 V → 10 – 14 V → 1 V or less

If the result is not as specified, the integration relay may malfunction.

2.   INSPECT INSTRUMENT PANEL J/B (INTEGRATION RELAY)

Instrument Panel J/B (Integration Relay)

(a) Inspect the DOOR fuse.

(b) Disconnect connectors ID, IF, IH and IJ of the instrument panel J/B.

(c) Check each terminal of the disconnected connectors.

Standard:

Symbols (Terminal No.)	Wiring color	Condition	Specified Condition
KSW (IJ–8) ⇔ Body ground	L–B ⇔ Body ground	No key in ignition switch lock cylinder → Inserted	No continuity → Continuity
GND (IF–4) ⇔ Body ground	W–B ⇔ Body ground	Constant	Continuity
GND (IH–10) ⇔ Body ground	W–B ⇔ Body ground		
DCTY (ID–1) ⇔ Body ground	R–W ⇔ Body ground	Driver's door fully closed → Opened	No continuity → Continuity
PRCTY (ID–14) ⇔ Body ground	R–B ⇔ Body ground	Rear LH door fully closed → Opened	
PRCTY (ID–15) ⇔ Body ground	R–Y ⇔ Body ground	Rear RH door fully closed → Opened	

If the result is not as specified, the vehicle's side may malfunction.

(d) Reconnect the connectors and check each terminal.

Standard:

Symbols (Terminal No.)	Wiring color	Condition	Specified Condition
IG (IA–1) ⇔ Body ground	W ⇔ Body ground	Constant	10 – 14 V
+B (IB–1) ⇔ Body ground	W ⇔ Body ground		
KSW (IJ–8) ⇔ Body ground	L–B ⇔ Body ground	No key in ignition switch lock cylinder → Inserted	10 – 14 V → 0 V
ACT+ (IK–2) ⇔ Body ground	L ⇔ Body ground	Key in driver's door lock cylinder OFF → LOCK	0 V → 10 – 14 V → 1 V or less
ACT+ (ID–9) ⇔ Body ground	L ⇔ Body ground	Key in driver's door lock cylinder OFF → UNLOCK	
ACT– (IK–5) ⇔ Body ground	R ⇔ Body ground	Key in driver's door lock cylinder OFF → LOCK	
ACT– (ID–20) ⇔ Body ground	R ⇔ Body ground	Key in driver's door lock cylinder OFF → UNLOCK	

If the result is not as specified, the instrument panel J/B (integration relay) assembly may malfunction.