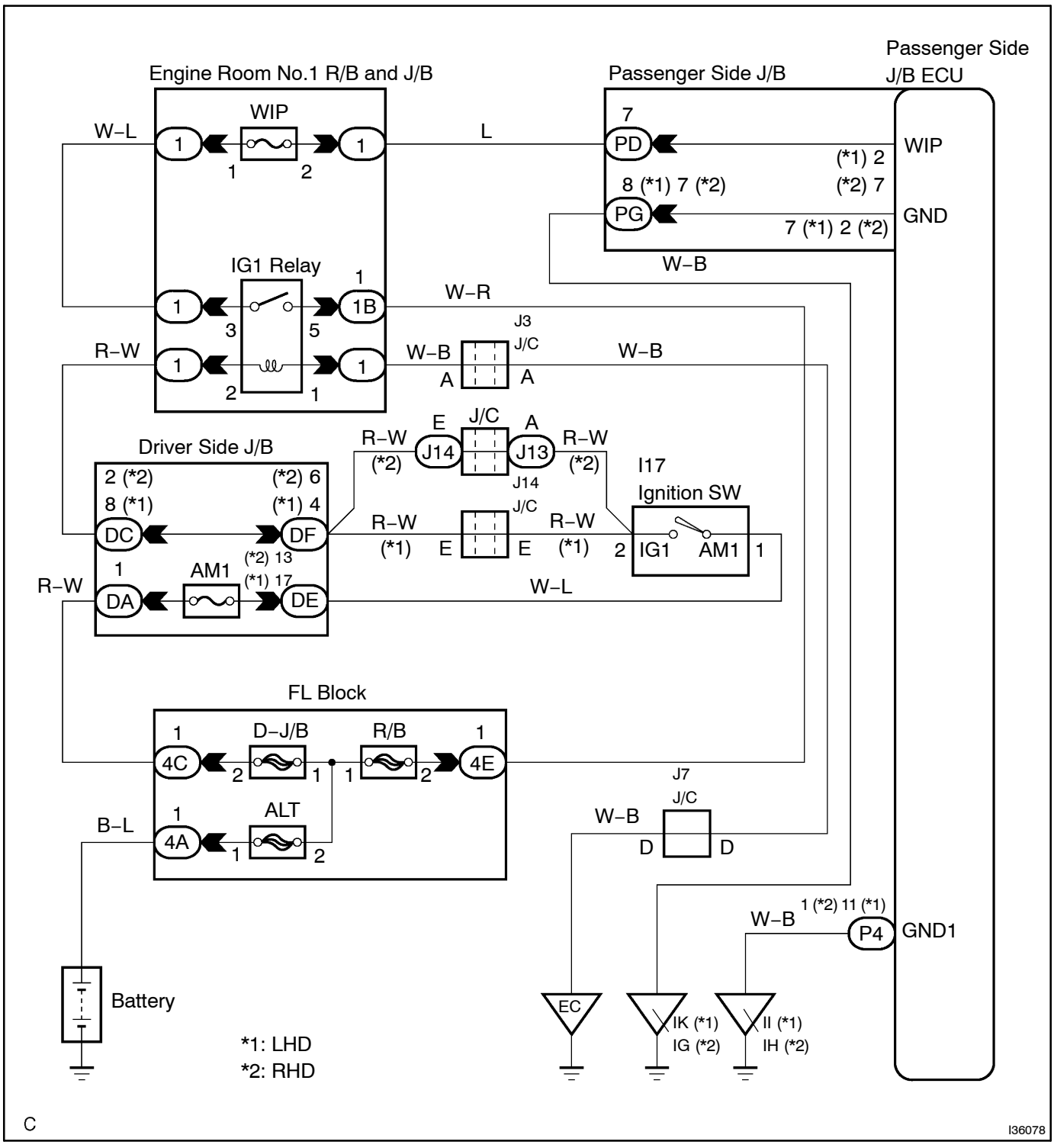
WIPER MOTOR POWER SOURCE CIRCUIT

CIRCUIT DESCRIPTION

This circuit provides power to the front wiper motor and operates the passenger side junction block ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the ignition switch to the ON position and turn the intelligent tester II main switch on.
(c) Select the item below in the DATA LIST, and read the displays on the intelligent tester II.

BODY NO.3 (PASSENGER SIDE JUNCTION BLOCK ECU):

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
WIP SW	WIP switch/ ON or OFF	ON: Ignition switch ON (Power source of wiper system ON) OFF: Ignition switch OFF (Power source of wiper system OFF)	–

NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05–1582)

2	CHECK HARNESS AND CONNECTOR(POWER SOUECE CIRCUIT)

(a) Disconnect the PD, PG, P4 connectors from the passenger side junction block.
(b) Measure the voltage according to the value(s) in the table below.
Standard:

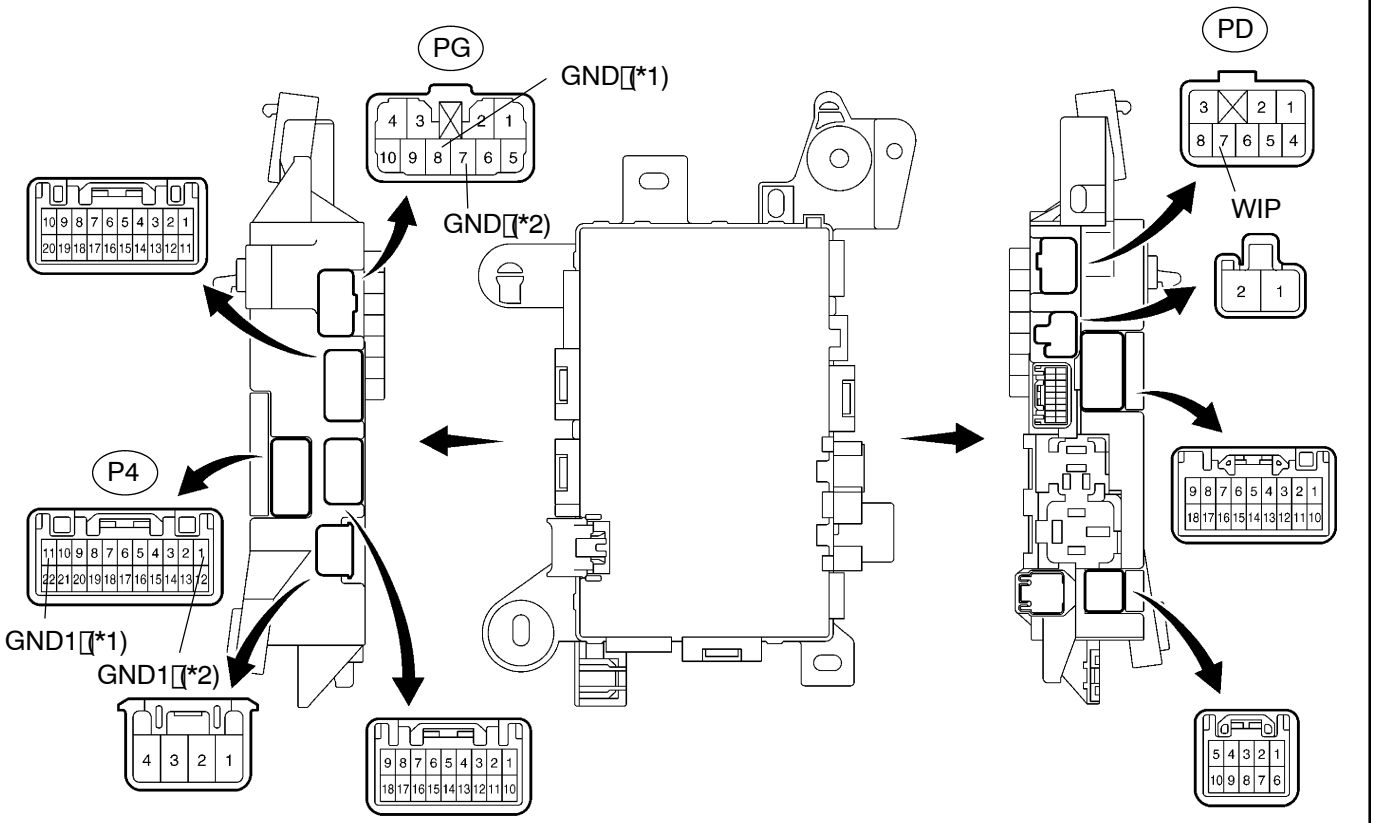
LHD:

Tester connection	Condition	Specified condition
PD–7 – PG–8	Ignition switch OFF	Below 1 V
PD–7 – PG–8	Ignition switch ON	10 to 14 V
PD–7 – P4–11	Ignition switch OFF	Below 1 V
PD–7 – P4–11	Ignition switch ON	10 to 14 V

RHD:

Tester connection	Condition	Specified condition
PD–7 – PG–7	Ignition switch OFF	Below 1 V
PD–7 – PG–7	Ignition switch ON	10 to 14 V
PD–7 – P4–1	Ignition switch OFF	Below 1 V
PD–7 – P4–1	Ignition switch ON	10 to 14 V

Passenger Side Junction Block Connector Front View:



HINT:
This illustration is for RHD model. The RHD and LHD models are symmetrical.

NG → Go to step 3

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–1582)

3	CHECK HARNESS AND CONNECTOR(GROUND CIRCUIT)

(a) Measure the resistance according to the value(s) in the table below.
Standard:

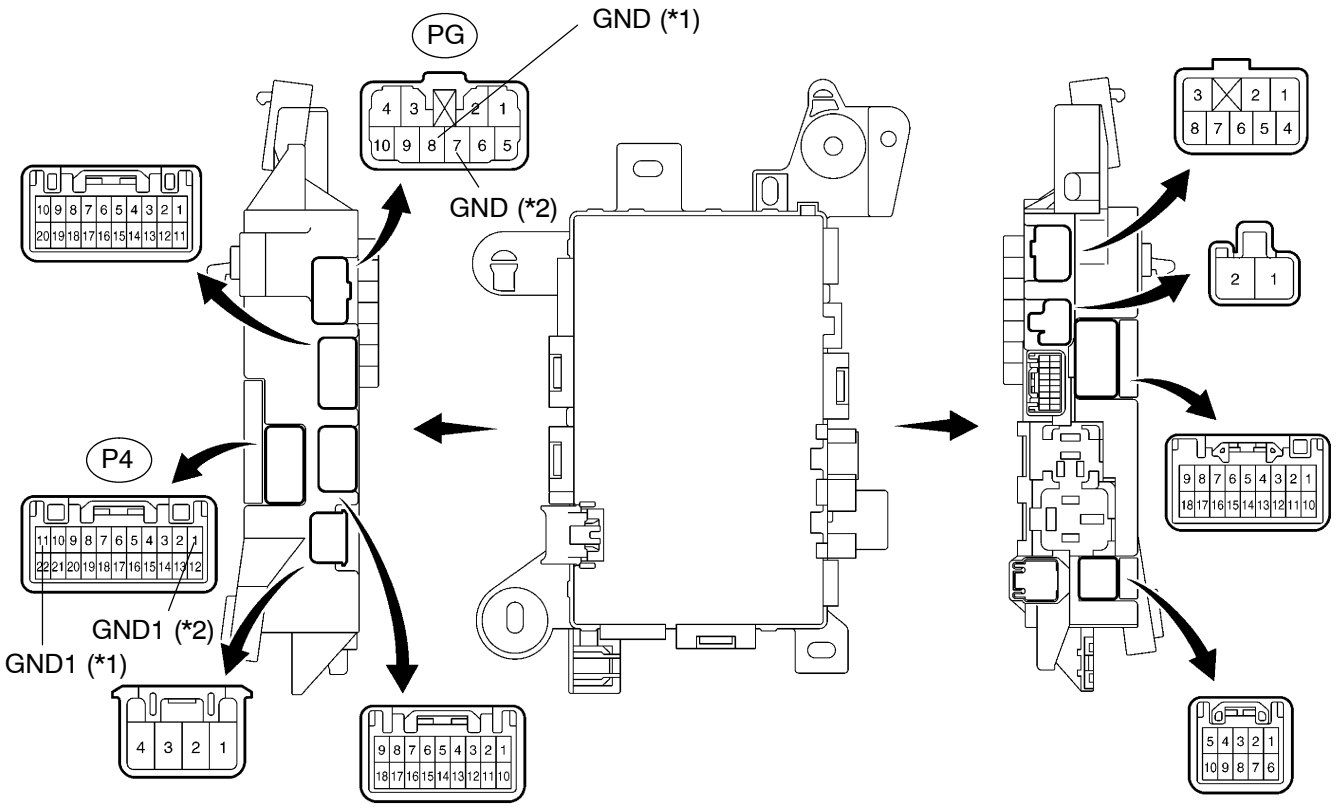
LHD:

Tester connection	Condition	Specified condition
PG–8 – Body ground	Always	Below 1 Ω
P4–11 – Body ground	Always	Below 1 Ω

RHD:

Tester connection	Condition	Specified condition
PG–7 – Body ground	Always	Below 1 Ω
P4–1 – Body ground	Always	Below 1 Ω

Passenger Side Junction Block
Connector Front View:



HINT:
This illustration is for RHD model. The RHD and LHD models are symmetrical.

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (GROUND CIRCUIT)**

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (IGNITION SWITCH CIRCUIT)