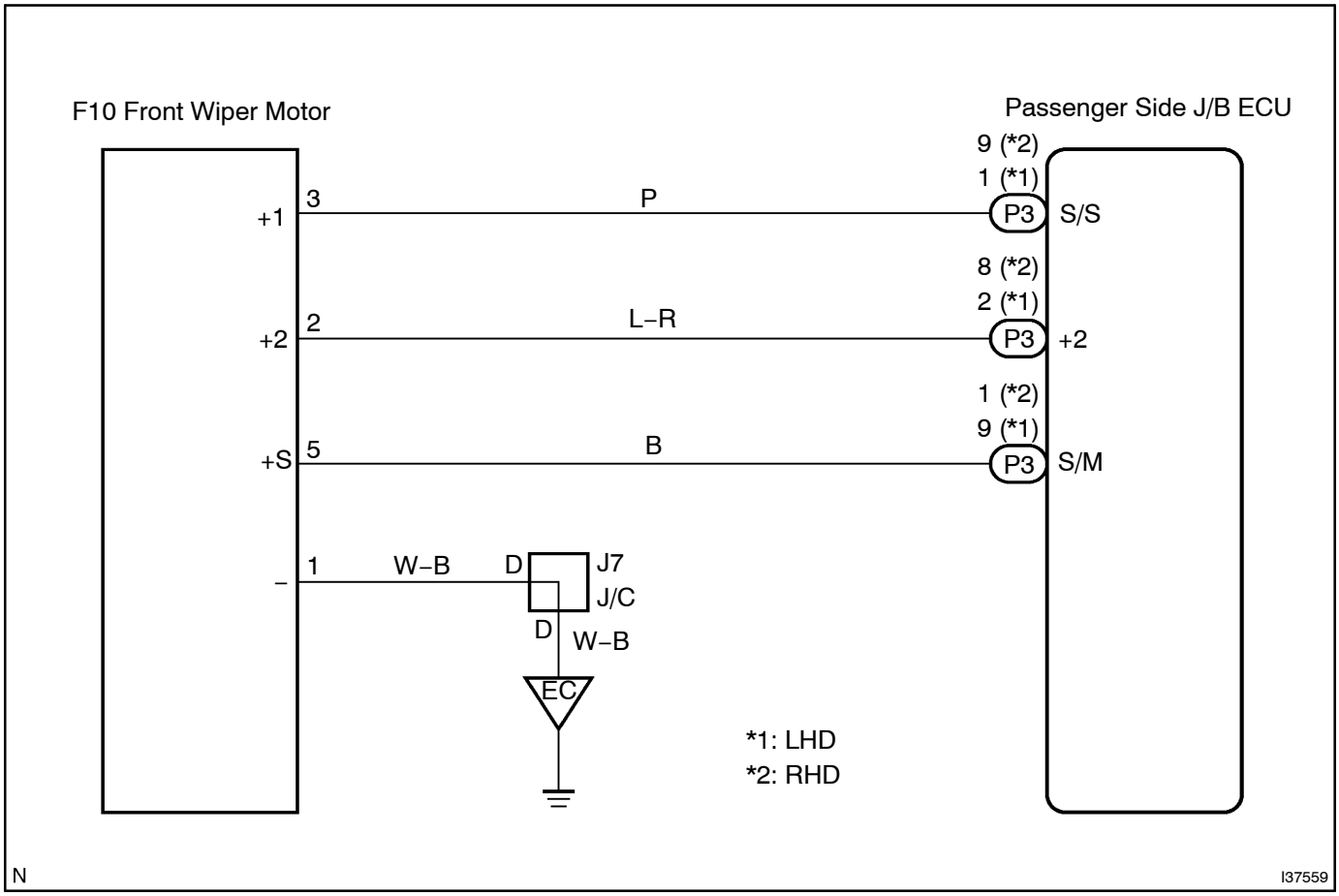
FRONT WIPER MOTOR CIRCUIT

CIRCUIT DESCRIPTION

The passenger side junction block ECU controls the wiper motor.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST ON 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 ACTIVE TEST and then check that the wiper motor operates.

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

Item	Test Details	Diagnostic Note
Wiper Motor HI	Front wiper motor HI operation ON/OFF	–
Wiper Motor LO	Front wiper motor LO operation ON/OFF	–

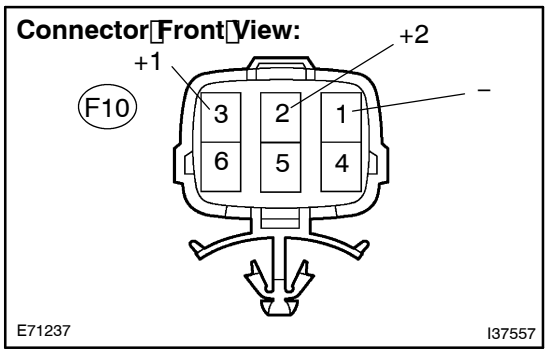
OK: Front wiper operates.

NG → **Go to step 2**

OK

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

2	INSPECT WINDSHIELD WIPER MOTOR ASSY

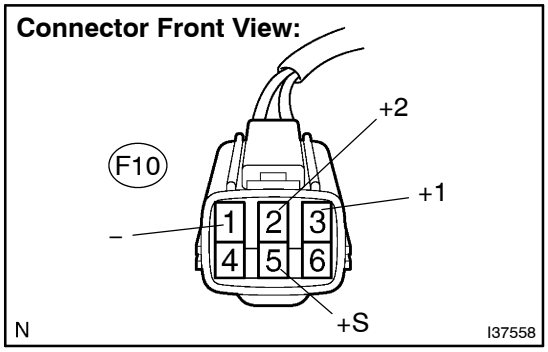


(a) Remove the windshield wiper motor assy (see page 66–5).
(b) LO operation check.
  (1) Connect the positive battery (+) lead to terminal 3 (+1) of the connector, and the negative battery (–) lead to terminal 1 (–), and check that the motor operates at low speed.
(c) HI operation check.
  (1) Connect the positive battery (+) lead to terminal 2 (+2) of the connector, and the negative battery (–) lead to terminal 1 (–), and check that the motor operates at high speed.

NG → **REPLACE WINDSHIELD WIPER MOTOR ASSY**

OK

3	**CHECK HARNESS AND CONNECTOR(WINDSHIELD WIPER MOTOR ASSY – PASSENGER SIDE JUNCTION BLOCK)**



(a) Disconnect the windshield wiper motor connector and P3 connector from the passenger side junction block.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

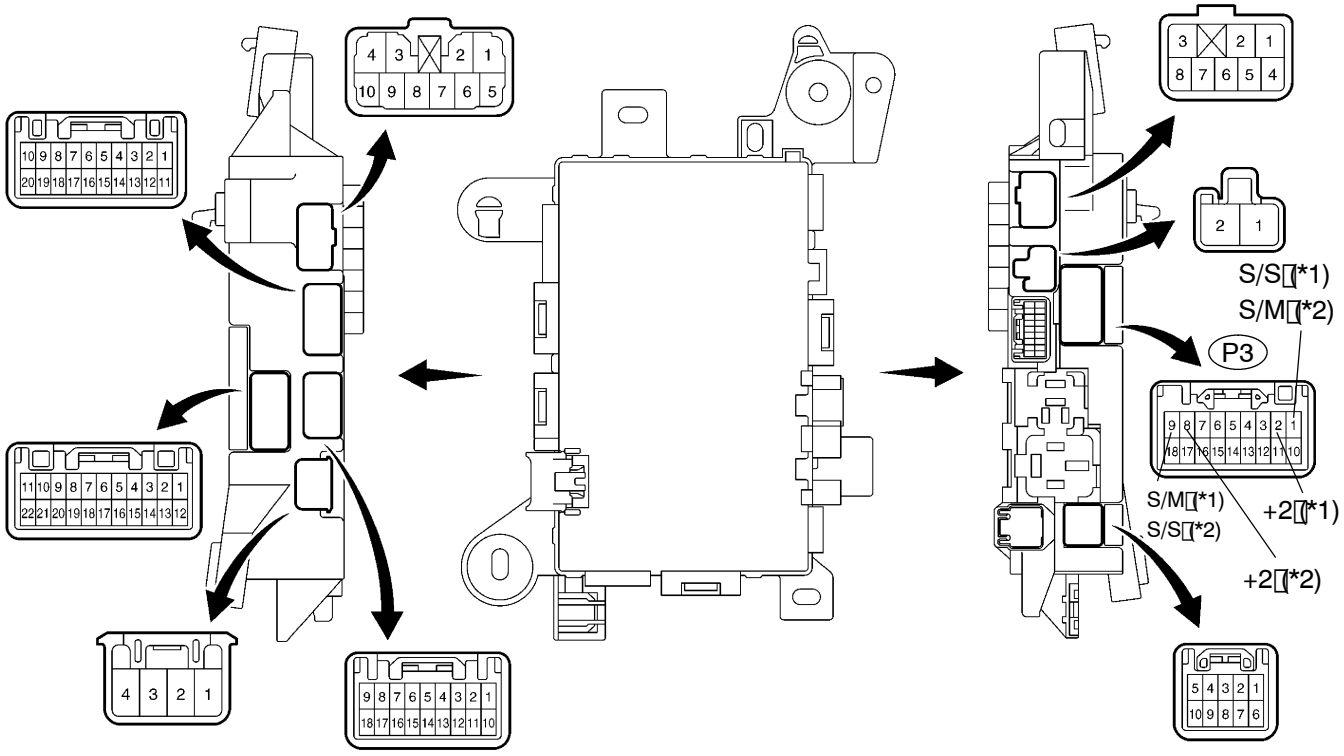
LHD:

Tester connection	Condition	Specified condition
P3–1 – F10–3	Always	Below 1 Ω
P3–2 – F10–2	Always	Below 1 Ω
P3–9 – F10–5	Always	Below 1 Ω
F10–1 – Body ground	Always	Below 1 Ω
F10–2 – Body ground	Always	10 kΩ or higher
F10–3 – Body ground	Always	10 kΩ or higher
F10–5 – Body ground	Always	10 kΩ or higher

RHD:

Tester connection	Condition	Specified condition
P3–1 – F10–5	Always	Below 1 Ω
P3–8 – F10–2	Always	Below 1 Ω
P3–9 – F10–3	Always	Below 1 Ω
F10–1 – Body ground	Always	Below 1 Ω
F10–2 – Body ground	Always	10 kΩ or higher
F10–3 – Body ground	Always	10 kΩ or higher
F10–5 – Body ground	Always	10 kΩ or higher

Passenger Side Junction Block Connector Front View:



*1: LHD
*2: RHD

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

NG	REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

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