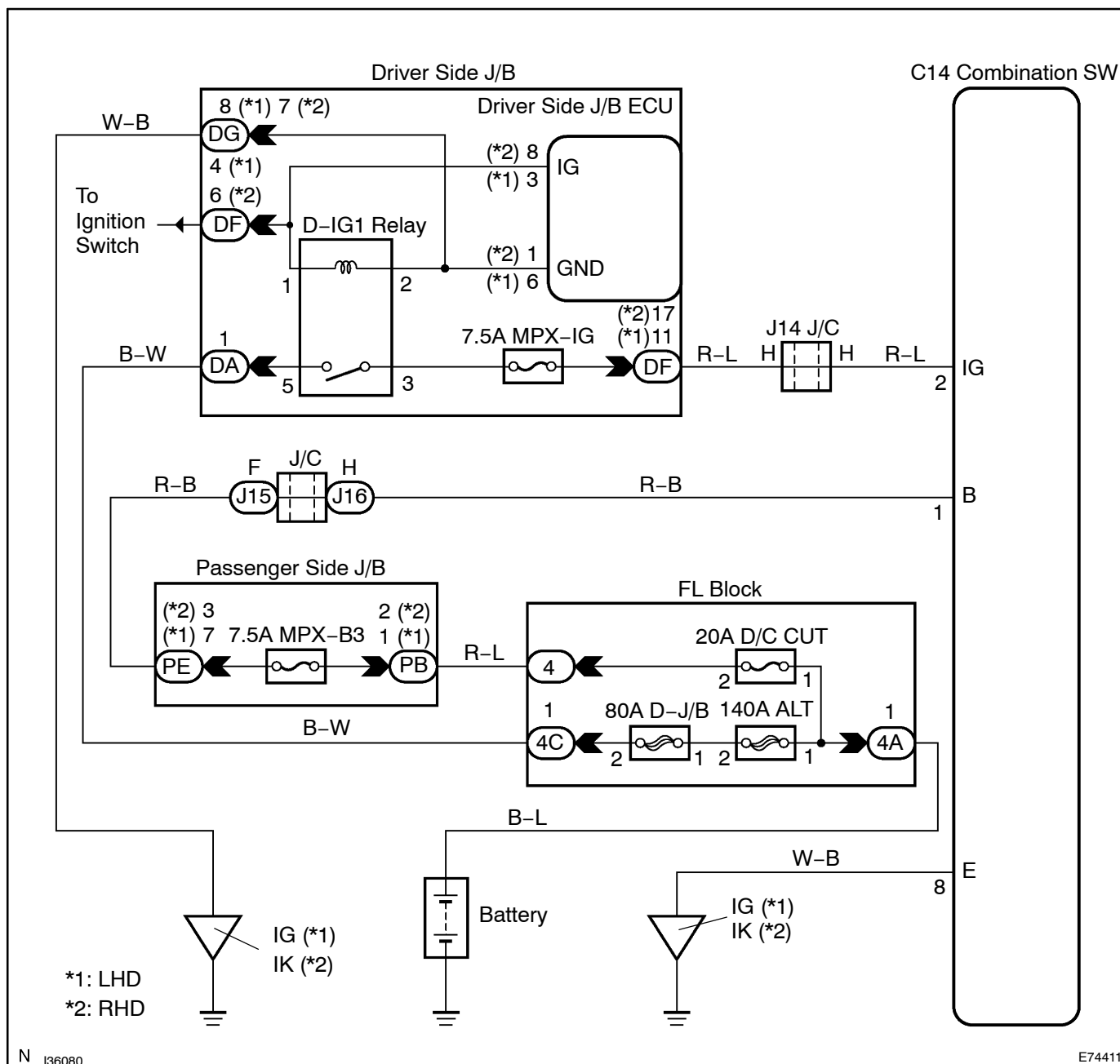


WIPER AND WASHER SWITCH CIRCUIT

CIRCUIT DESCRIPTION

This circuit provides power to operate the combination switch. The signals by manual operation are sent to the passenger side J/B ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

Before the procedure, check that the DTC is not output of multiplex communication system (see page 05-3161).

1 READ VALUE OF INTELLIGENT TESTER

- (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 items below in the DATA LIST, and read the displays on the Intelligent Tester II.

COMBINATION SWITCH (TURN SIGNAL SWITCH):

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
Front Washer Switch	Front washer switch/ ON or OFF	ON: Front washer switch ON OFF: Front washer switch OFF	-
Front Wiper Mist Switch	Front wiper MIST switch/ON or OFF	ON: Front wiper switch in MIST position OFF: Front wiper switch in except MIST position	-
Front Wiper Auto Switch	Front wiper AUTO switch/ON or OFF	ON: Front wiper switch in AUTO position OFF: Front wiper switch in except AUTO position	-
Front Wiper Hi Switch	Front wiper HI switch/ ON or OFF	ON: Front wiper switch in HI position OFF: Front wiper switch in except HI position	-
Front Wiper Lo Switch	Front wiper LO switch/ ON or OFF	ON: Front wiper switch in LO position OFF: Front wiper switch in except LO position	-
Front Wiper Intermittent SW	Front wiper INT switch/ON or OFF	ON: Front wiper switch in INT position OFF: Front wiper switch in except INT position	-
Ignition Switch Signal	IG switch signal/ ON or OFF	ON: Ignition switch ON OFF: Ignition switch OFF	-
Wiper Volume Position	Wiper volume position/ 10s or 15s or 20s	Condition value can be displayed	-

NG

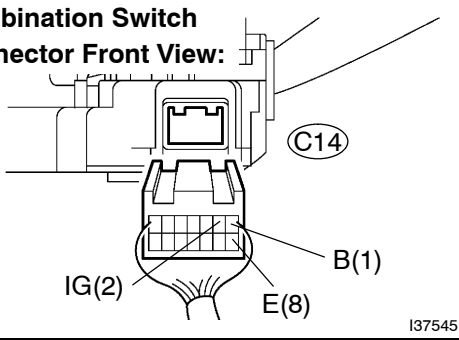
Go to step 2

OK

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

2 INSPECT TURN SIGNAL SWITCH ASSY(COMBINATION SWITCH)

Combination Switch
Connector Front View:



- Disconnect the connector from the combination switch.
- Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
C14-1 – C14-8	Always	10 to 14 V
C14-2 – C14-8	Ignition switch OFF	Below 1 V
C14-2 – C14-8	Ignition switch ON	10 to 14 V

NG

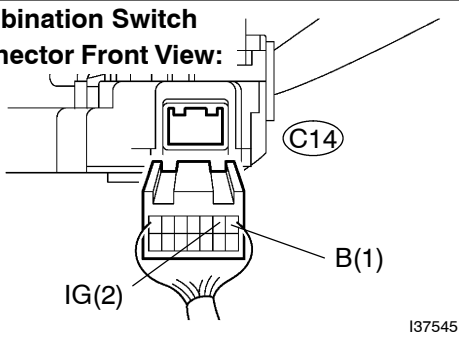
Go to step 3

OK

REPLACE TURN SIGNAL SWITCH ASSY (COMBINATION SWITCH)

3 CHECK HARNESS AND CONNECTOR

Combination Switch
Connector Front View:



- Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
C14-1 – Body ground	Always	10 to 14 V
C14-2 – Body ground	Ignition switch OFF	Below 1 V
C14-2 – Body ground	Ignition switch ON	10 to 14 V

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (IGNITION SWITCH CIRCUIT OR BATTERY CIRCUIT)

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (GROUND CIRCUIT)