

RAIN SENSOR CIRCUIT

CIRCUIT DESCRIPTION

This circuit provides power to operate the rain sensor.

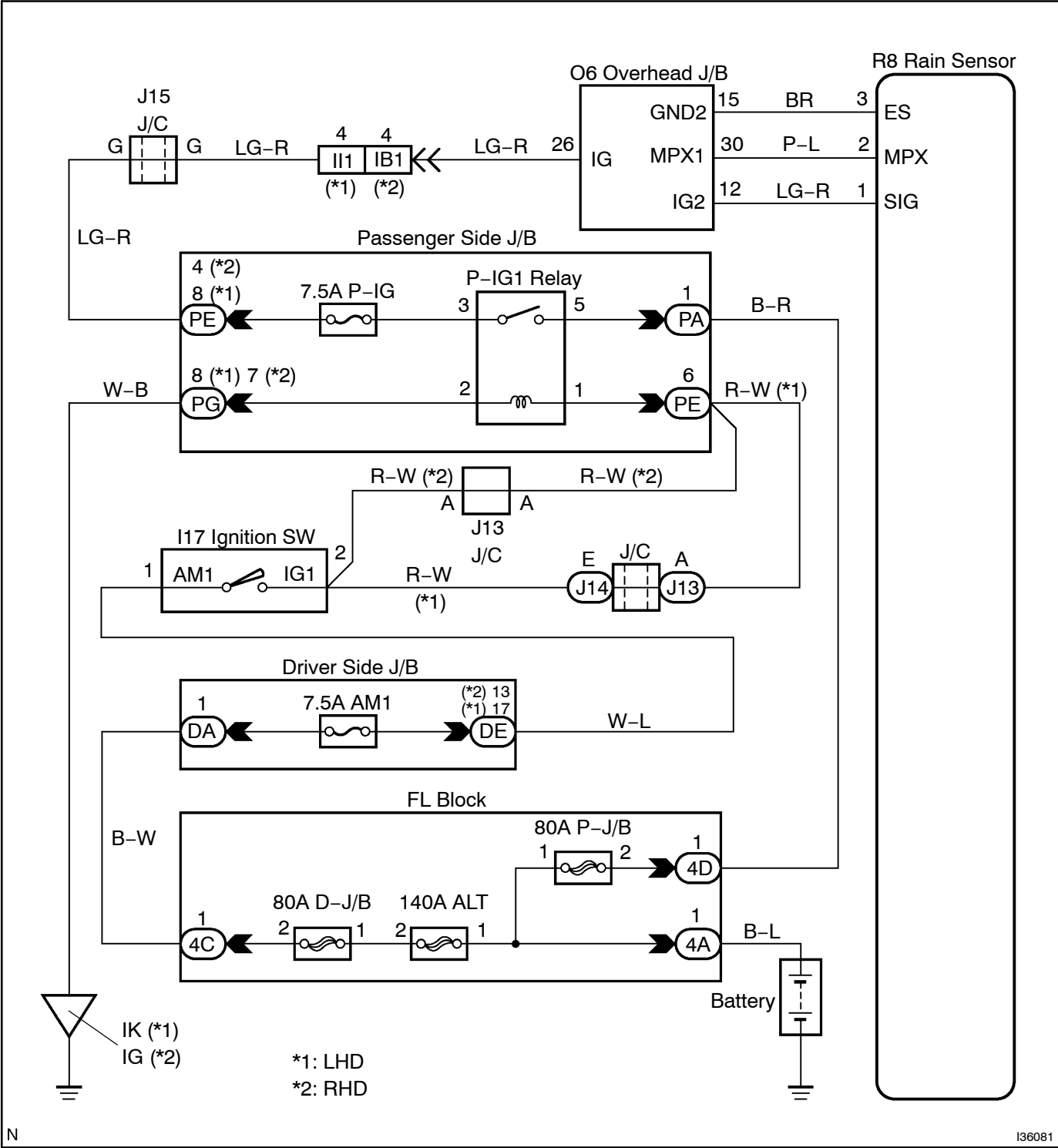
The auto wiper system is operated by the wiper switch being in the AUTO position.

The rain sensor is connected to each ECU at the multiplex communication circuit.

When it detects raindrops in the detection area of the windshield glass, it sends a wiper control signal according to the amount of raindrops to the passenger side J/B ECU.

It also sends signals to the adaptive laser radar cruise control system, the mirror defogger system and others.

WIRING DIAGRAM

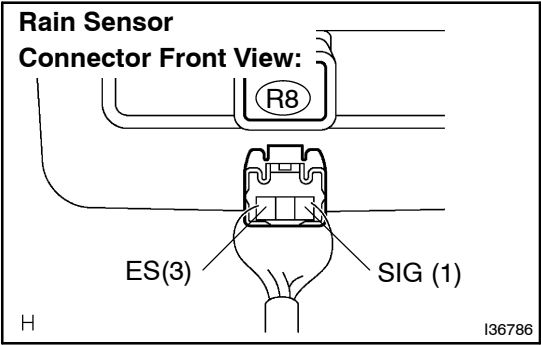


INSPECTION PROCEDURE

HINT:

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

1 INSPECT RAIN SENSOR



- (a) Disconnect the connector from the rain sensor.
- (b) Measure the voltage according to the value(s) in table below.

Standard:

Tester connection	Condition	Specified condition
R8-1 – R8-3	Ignition switch ON	10 to 14 V
R8-1 – R8-3	Ignition switch OFF	Below 1 V

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (RAIN SENSOR – OVERHEAD J/B)

OK

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