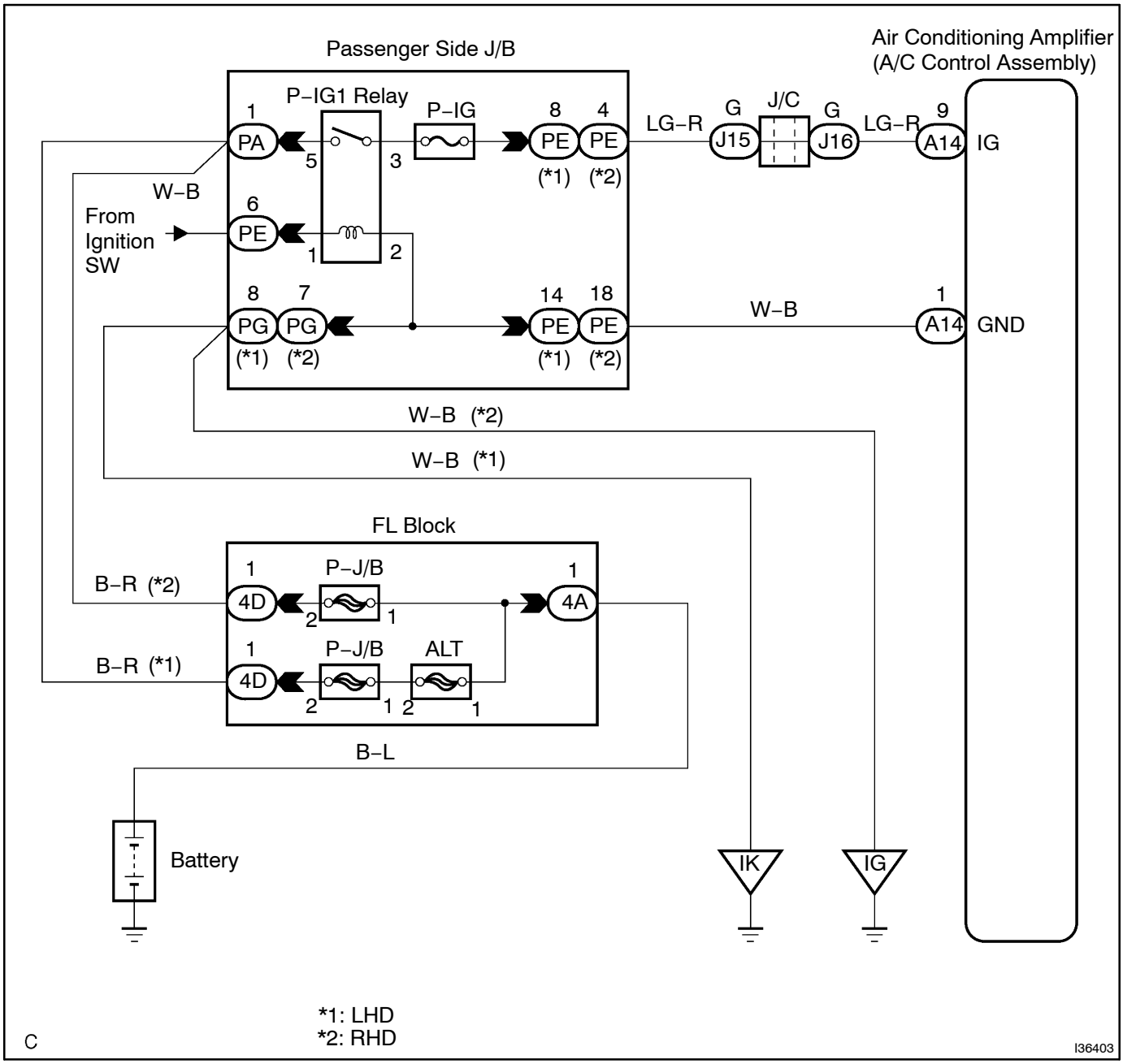
IG POWER SOURCE CIRCUIT

CIRCUIT DESCRIPTION

The main power source is supplied to the A/C amplifier when the ignition switch is turned to the ON position. The power source supplied is used for operating the A/C amplifier and servomotor, etc.

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:
Start the engine before inspection. Check the IG1 relay or battery if the engine does not start.

1 INSPECT FUSE(P–IG)

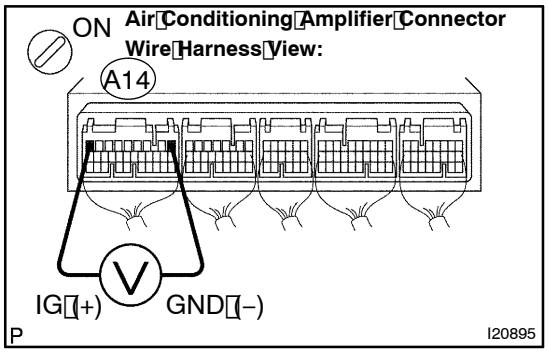
(a) Remove the P–IG fuse from the passenger side J/B.
(b) Measure the resistance according to the value(s) in the table below.
Standard:

Tester item	Condition	Specified condition
P–IG fuse	Always	Below 1 Ω

NG → **CHECK FOR SHORT IN ALL HARNESSES AND COMPONENTS CONNECTED TO FAILURE FUSE**

OK

2 INSPECT AIR CONDITIONING AMPLIFIER(IG – GND)



Air Conditioning Amplifier Connector Wire Harness View:

(a) Remove the A/C amplifier assy with connectors still connected.
(b) Turn the ignition switch to the ON position.
(c) Measure the voltage according to the value(s) in the table below.
Standard:

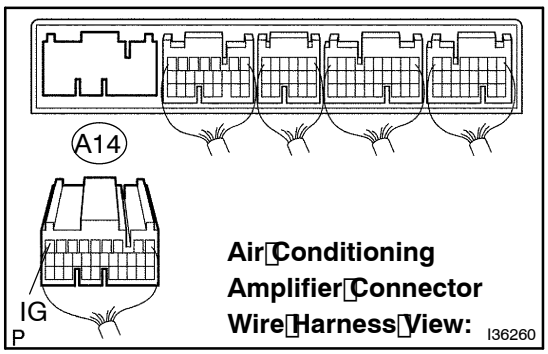
Tester connection	Condition	Specified condition
A14–9 (IG) – 14–1 (GND)	Ignition switch ON	10 to 14 V

NG → **Go to step 3**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–778)

3 CHECK HARNESS AND CONNECTOR(AIR CONDITIONING AMPLIFIER – BATTERY) (SEE PAGE 01–44)



Air Conditioning Amplifier Connector Wire Harness View:

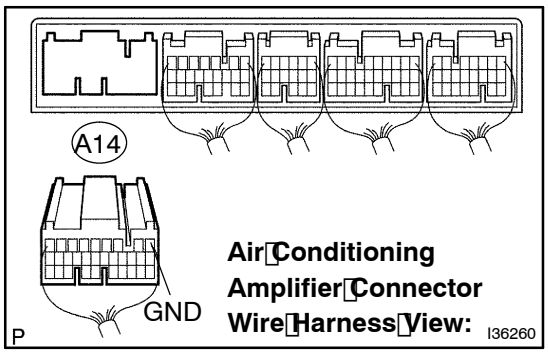
(a) Measure the voltage according to the value(s) in the table below.
Standard:

Tester connection	Condition	Specified condition
A14–9 (IG) – Body ground	Ignition switch OFF → ON	Below 1.0 V → 10 to 14 V

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4	CHECK HARNESS AND CONNECTOR(AIR CONDITIONING AMPLIFIER – BODY GROUND) (SEE PAGE 01–44)



Air Conditioning Amplifier Connector Wire Harness View:

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

Standard:

Tester connection	Condition	Specified condition
A14–1 (GND) – Body ground	Always	Below 1 Ω

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE AIR CONDITIONING AMPLIFIER (SEE PAGE 55–16)