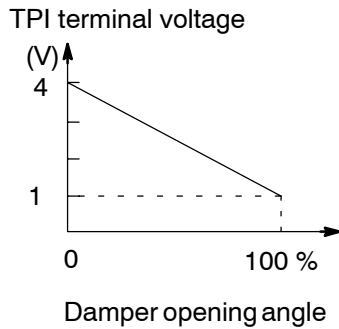


DTC	B1432	Air Inlet Damper Position Sensor Circuit
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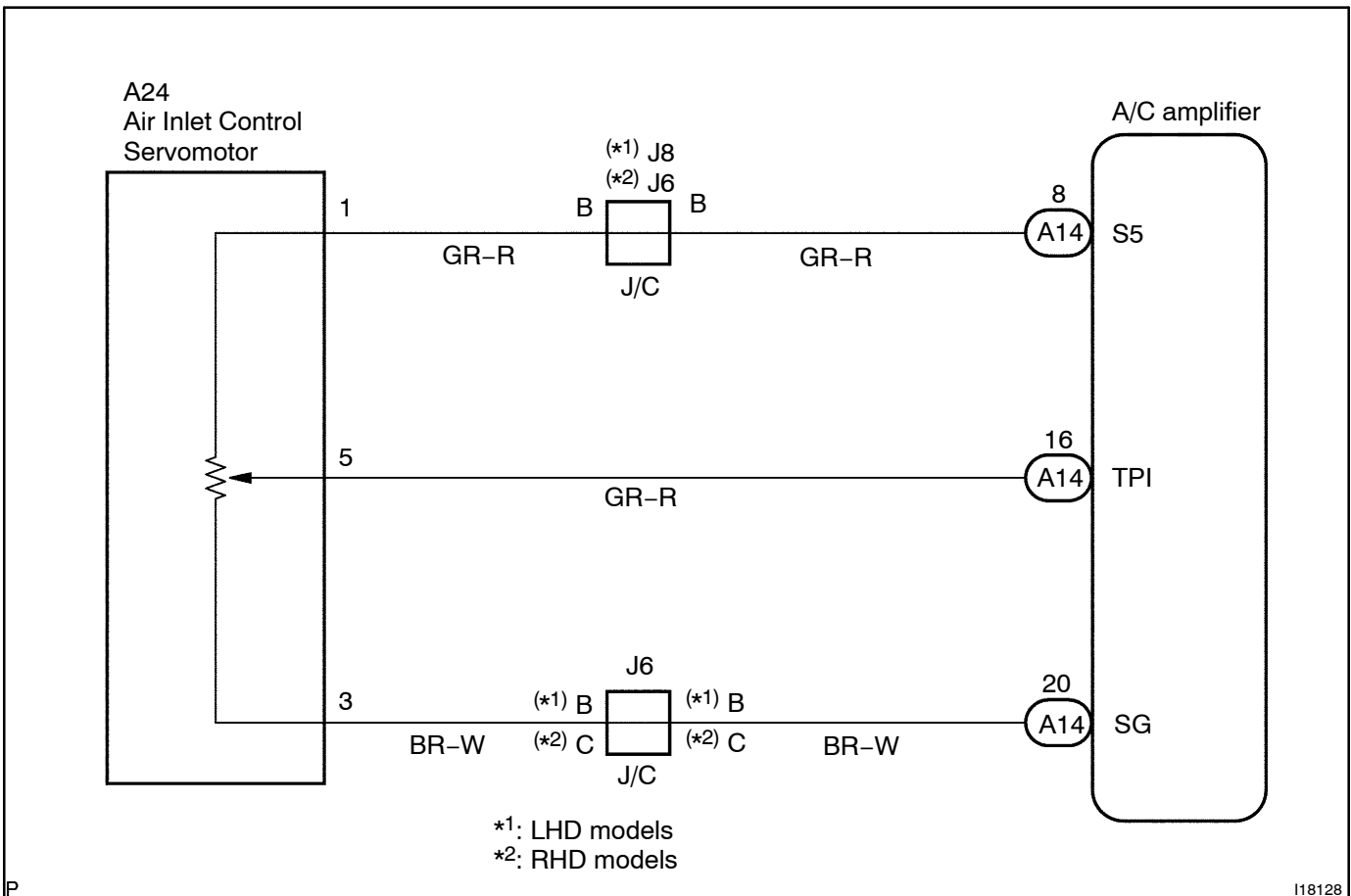
CIRCUIT DESCRIPTION



This sensor detects the position of the air inlet damper and sends the appropriate signals to the A/C amplifier. The position sensor is built into the air inlet damper control servomotor assembly.

DTC No.	Detection Item	Trouble Area
B1432	Short to ground or power source circuit in air inlet damper position sensor circuit.	<ul style="list-style-type: none"> • Air inlet damper position sensor. • Harness or connector between air inlet damper control servomotor assembly and A/C amplifier. • A/C amplifier.

WIRING DIAGRAM



P

118128

INSPECTION PROCEDURE

HINT:

In case of using the hand-held tester, start the inspection from step 1 and in case of not using the hand-held tester, start from step 2.

1 Check air inlet damper position using hand-held tester.

PREPARATION:

Connect the hand-held tester to the DLC3.

CHECK:

Check the current position of air inlet damper and the target position of air inlet damper.

OK:

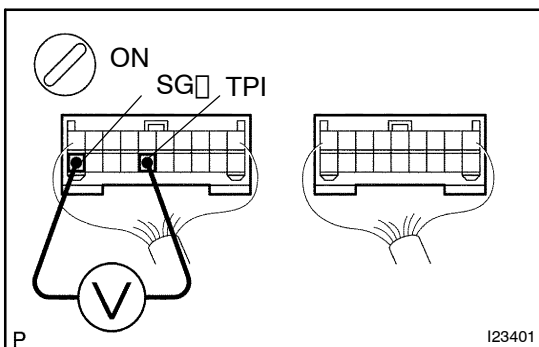
The current position and target position are almost similar.

OK

Check and replace A/C amplifier.

NG

2 Check voltage between terminals TPI and SG of A/C amplifier connector.

**PREPARATION:**

Remove A/C amplifier with connectors still connected.

CHECK:

- Turn ignition switch ON.
- Press REC/FRS switch to change air inlet between fresh and recirculation air, and measure voltage between terminals TPI and SG of A/C amplifier when the air inlet damper control servomotor operates.

OK:

FRS-REC Switch	Voltage
REC	3.5 - 4.5V
FRS	0.5 - 1.5V

HINT:

As the air inlet damper control servomotor is moved from REC side to FRS side, the voltage decreases.

NG

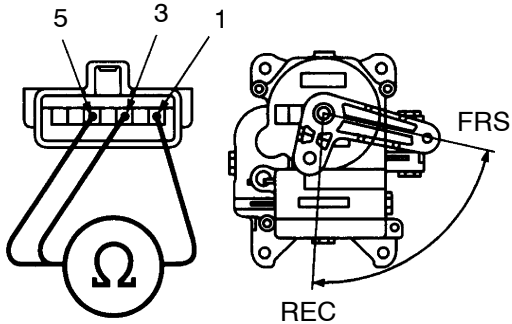
Go to step 3.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-612). However, if DTC B1432/32 is displayed, check and replace A/C amplifier.

3 Check air inlet damper position sensor.

LHD Models:



105268

PREPARATION:

Remove the air inlet damper control servomotor.

CHECK:

Measure resistance between terminals 1 and 3 of air inlet damper control servomotor assembly connector.

OK:

Resistance: 4.2 - 7.8 kΩ

CHECK:

While operating air inlet damper control servomotor, following the procedure on page DI-644, measure resistance between terminals 1 and 5 of air inlet damper control servomotor assembly connector.

OK:

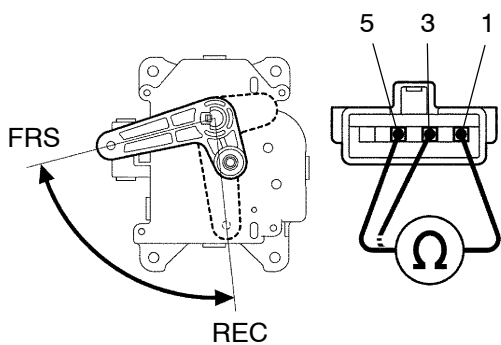
Resistance

Damper Position	Resistance
REC side	3.1 - 5.8 kΩ
FRS side	0.8 - 1.6 kΩ

HINT:

As the air inlet damper control servomotor moves from REC side to FRS side, the resistance decreases.

RHD Models:



123383

NG

Replace air inlet damper control servomotor assembly.

OK

4 Check harness and connectors between A/C amplifier and air inlet damper control servomotor assembly. (See page N-34).

NG

Repair or replace harness or connector.

OK

Check and replace A/C amplifier.