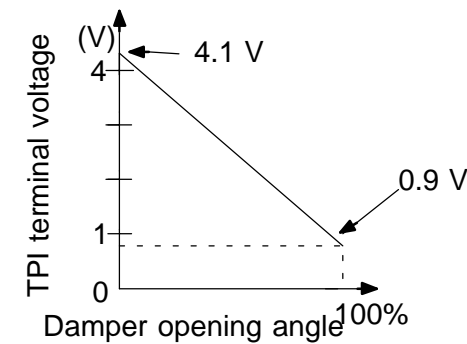


DTC	32	AIR INLET DAMPER POSITION SENSOR CIRCUIT
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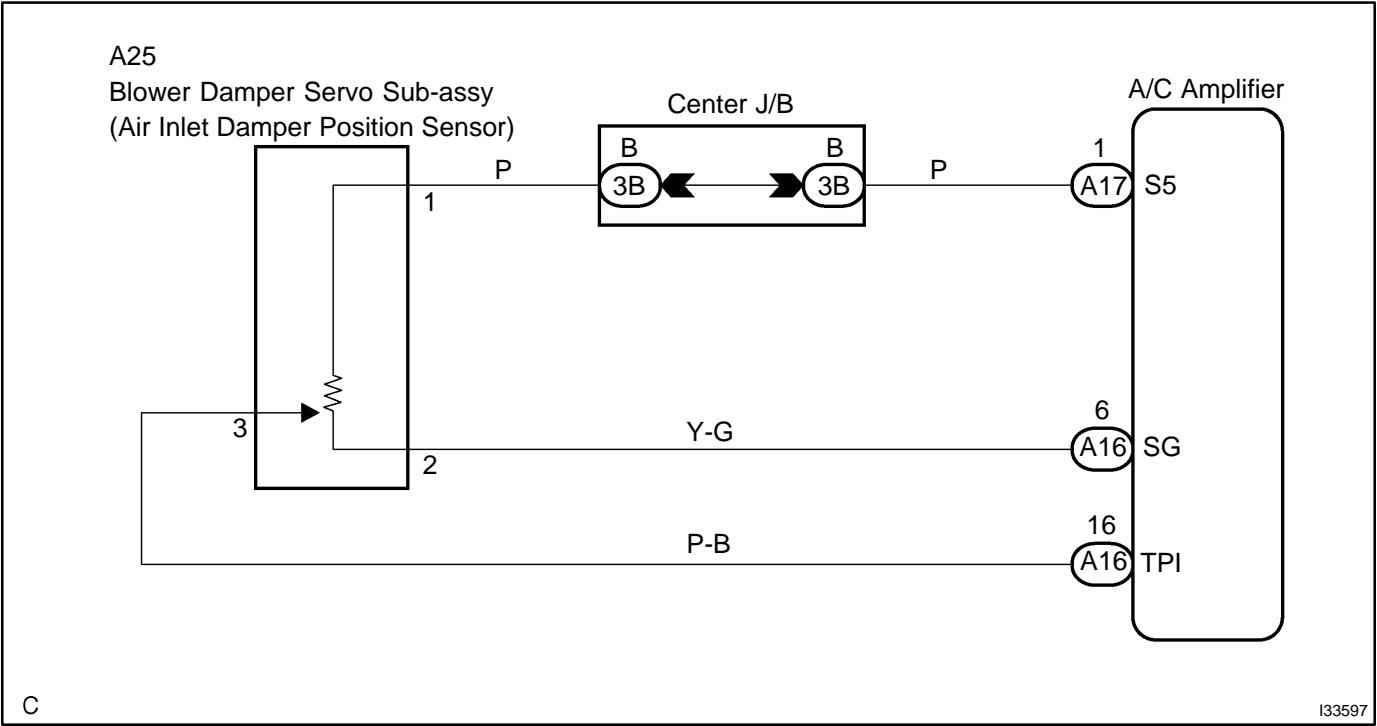
CIRCUIT DESCRIPTION



This sensor detects the position of the air inlet damper and sends appropriate signals to the A/C amplifier. The position sensor is built into the blower damper servo sub-assy (air inlet damper control control servomotor).

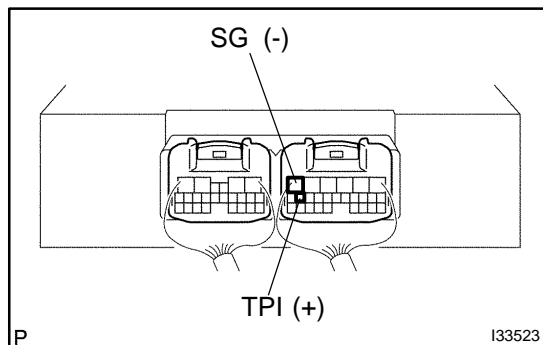
DTC No.	Detection Item	Trouble Area
32	Open or short in air inlet damper position sensor circuit.	<ul style="list-style-type: none">• Blower damper servo sub-assy (air inlet damper position sensor)• Harness or connector between blower damper servo sub-assy (air inlet damper position sensor) and A/C amplifier• A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT AIR CONDITIONING AMPLIFIER(TPI, SG)



- (a) Remove the A/C amplifier with the connectors being connected .
- (b) Turn ignition switch to ON.
- (c) Change the set RECIRCULATION/ FRESH to activate the blower damper servo sub-assy, and measure the voltage between terminal TPI and SG of the A/C amplifier.

Voltage:**RECIRCULATION: 3.5 - 4.5 V****FRESH: 0.5 - 1.8 V****HINT:**

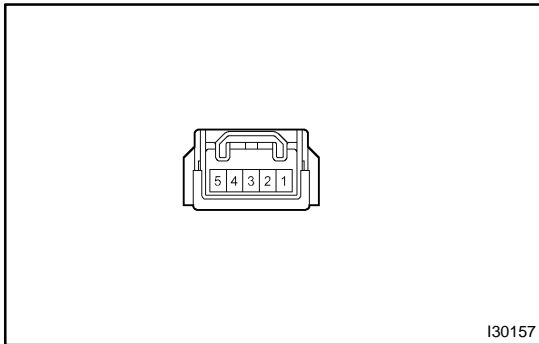
As the recirculation damper servo sub-assy is moved from RE-CIRCULATION side to FRESH side, the voltage decreases gradually without interruption.

OK

**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN ON PROBLEM SYMPTOMS TABLE**

NG

2 INSPECT BLOWER DAMPER SERVO SUB-ASSY



- (a) Remove the blower damper servo sub-assy.
- (b) Measure resistance between terminal 1 and 2 of the blower damper servomotor connector.

Resistance: 4.2 - 7.8 k Ω

- (c) While operating blower damper servo sub-assy as shown in the procedure on page 05-577, measure resistance between terminal 1 and 3 of the blower damper servo sub-assy.

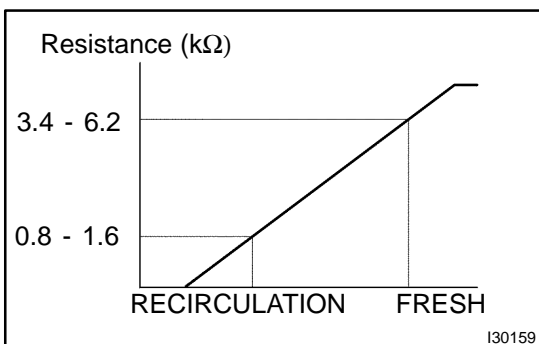
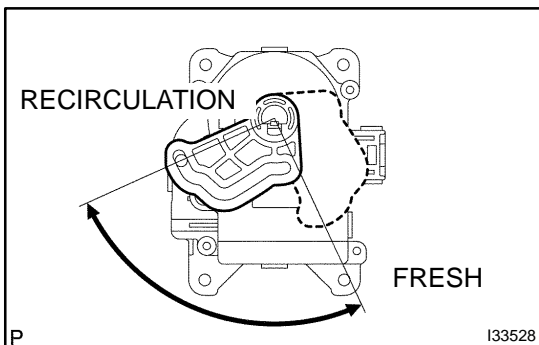
Resistance:

FRESH: 3.4 - 6.2 k Ω

RECIRCULATION: 0.8 - 1.6 k Ω

HINT:

As the blower damper servo sub-assy moves from FRESH side to RECIRCULATION side, the resistance decreases gradually without interruption.



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REPLACE BLOWER DAMPER SERVO SUB-ASSY

OK

3 CHECK HARNESS AND CONNECTOR(BETWEEN AIR INLET DAMPER POSITION SENSOR AND AIR CONDITIONING AMPLIFIER)

- (a) Check for open and short circuit in the harness and the connector between the blower damper servo sub-assy (air inlet damper position sensor) and the A/C amplifier (See page 01-35).

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

4 CHECK DIAGNOSTIC TROUBLE CODE

- (a) Start up the DTC check mode.
- (b) Check that DTC 32 is not output again.

Standard: DTC 32 is not output.

OK**SYSTEM OK****NG****CHECK AND REPLACE AIR CONDITIONING AMPLIFIER**