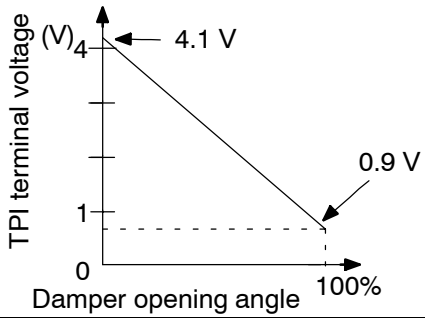
DTC	32	AIR INLET DAMPER POSITION SENSOR CIRCUIT

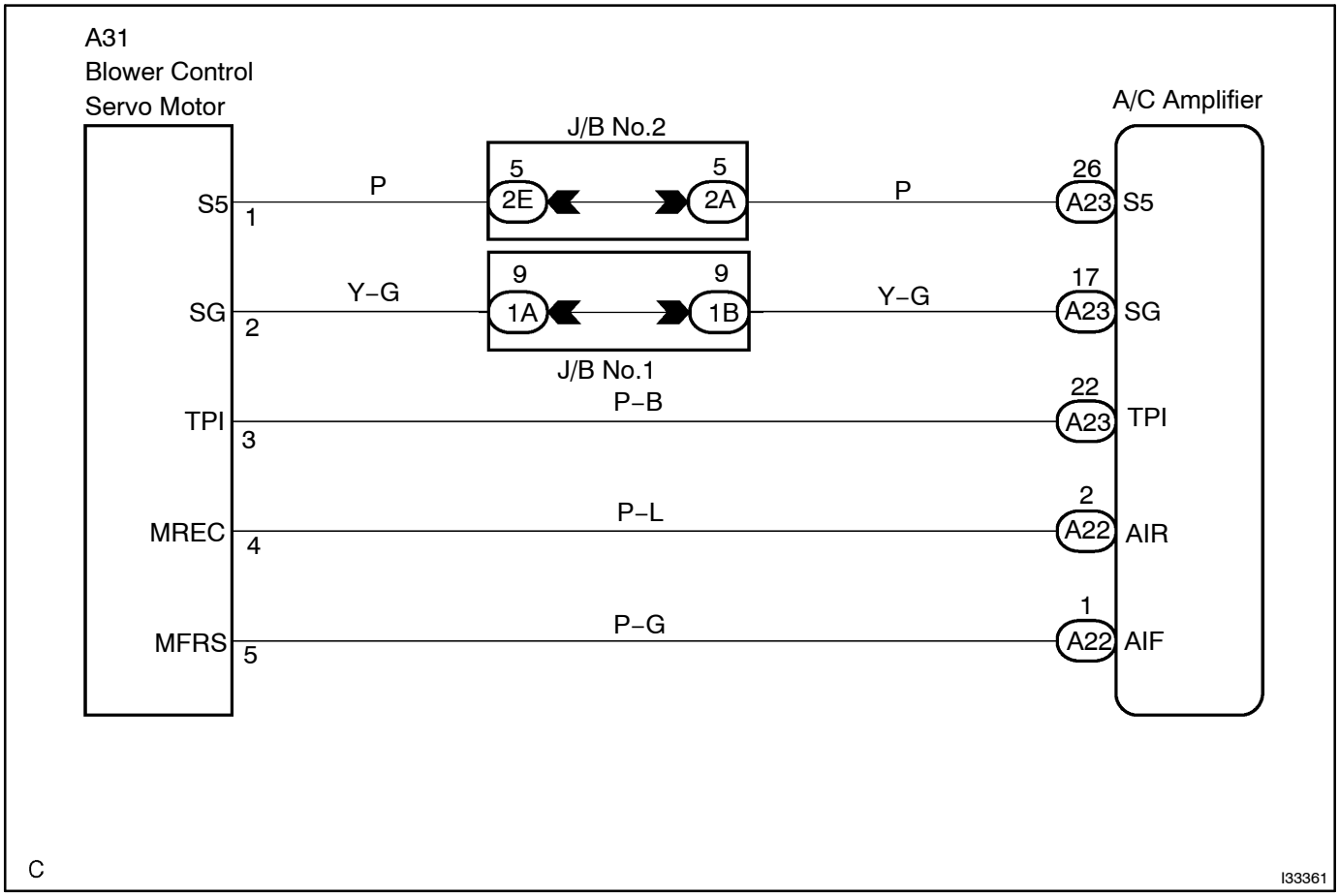
CIRCUIT DESCRIPTION



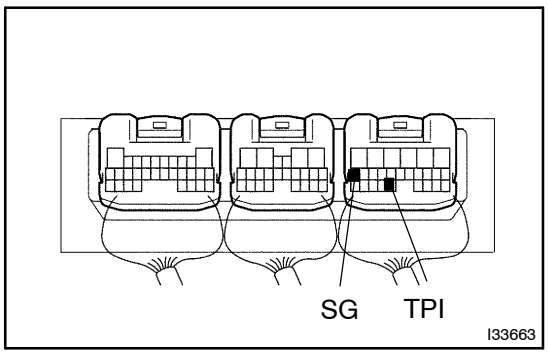
This sensor detects the position of the blower damper and sends the appropriate signals to the A/C amplifier. The position sensor is built into the blower damper servo sub–assy.

DTC No.	Detection Item	Trouble Area
32	Short to ground or power source circuit in blower damper position sensor circuit.	• Blower damper servo sub–assy • Harness or connector between blower damper servo sub–assy and A/C amplifier • A/C amplifier

WIRING DIAGRAM



1 INSPECT AIR CONDITIONING AMPLIFIER(TPI, SG)



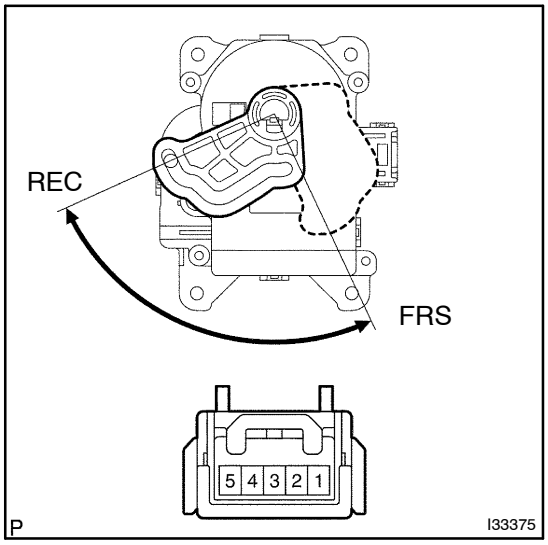
(a) Remove A/C amplifier with being connected.
(b) Turn ignition switch ON.
(c) Change the set REC/FRS to activate the blower damper servo sub–assy and measure the voltage between terminal TPI and SG of A/C amplifier.
Voltage:
REC: 3.5 – 4.5 V
FRS: 0.5 – 1.8 V

HINT:
As the blower damper servo sub–assy is moved from REC side to FRS 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 blower damper servo sub–assy connector.
Resistance: 4.2 – 7.8 kΩ
(c) While operating blower damper servo sub–assy as shown in the procedure on page 05–1082, measure resistance between terminal 1 and 3 of blower damper servo sub–assy.
Resistance:
FRS: 3.4 – 6.2 kΩ
REC: 0.8 – 1.6 kΩ

HINT:
As the blower damper servo sub–assy moves from REC side to FRS side, the resistance decreases gradually without interruption.

NG	**REPLACE BLOWER DAMPER SERVO SUB–ASSY**

OK

3 CHECK HARNESS AND CONNECTOR(BLOWER DAMPER POSITION SENSOR – A/C AMPLIFIER)

NG	**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4	READ OUTPUT DTC

(a) Clear the sensor check codes.
(b) At least 8.5 minutes pass after turning the IG switch to ON position, read DTC.
Standard: Normal codes are output.

OK → **SYSTEM OK**

NG

CHECK AND REPLACE AIR CONDITIONING AMPLIFIER