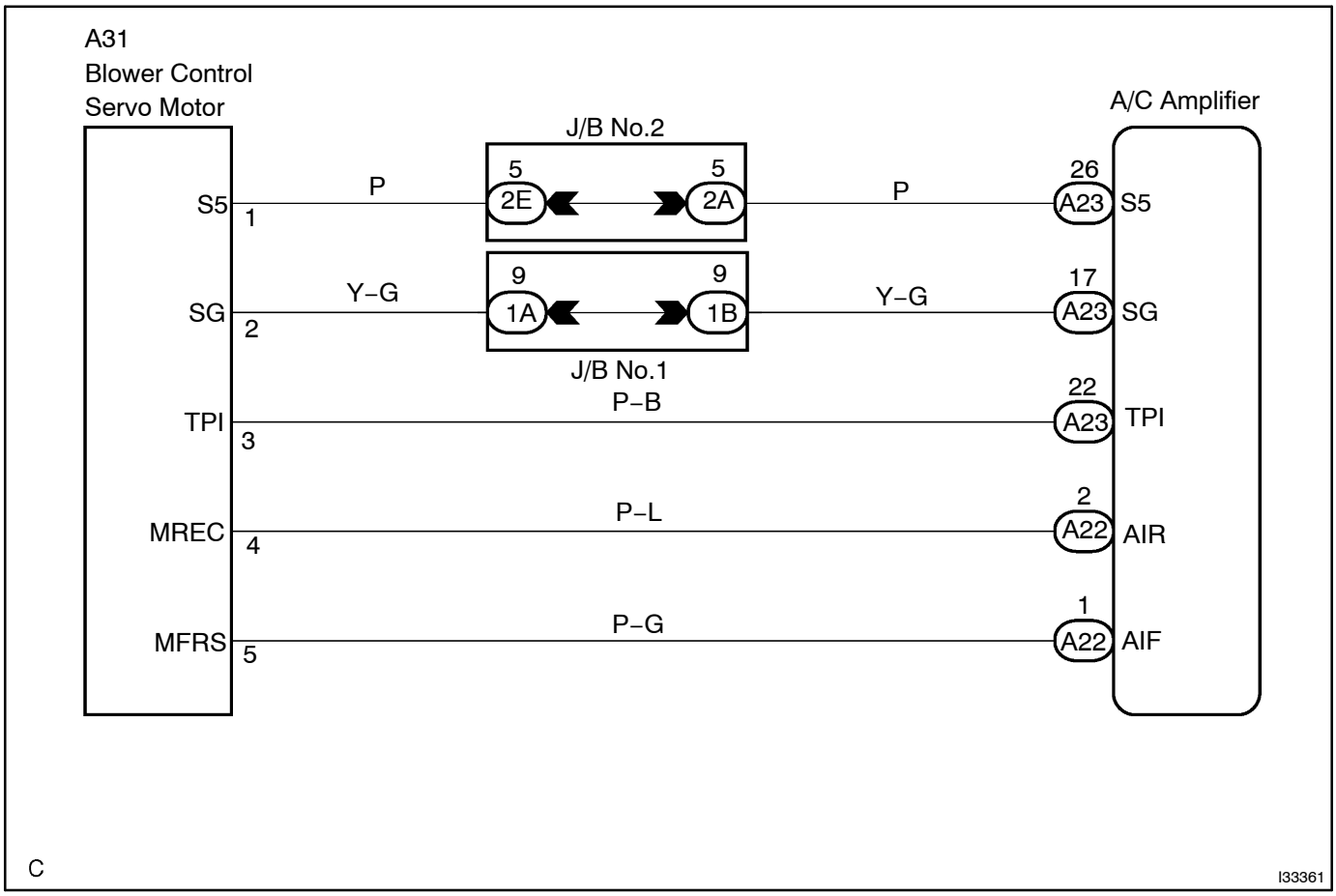
DTC	42	AIR INLET DAMPER CONTROL SERVOMOTOR CIRCUIT

CIRCUIT DESCRIPTION

The blower damper servo sub–assy is controlled by the A/C amplifier and moves the blower damper servo sub–assy to the desired position.

DTC No.	Detection Item	Trouble Area
42	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



INSPECTION PROCEDURE

1	PERFORM ACTUATOR CHECK

(a) Remove the glove box to see and check the blower damper operation.
(b) Set to actuator check mode (See page 05–1023).
(c) Press the UPDr switch and change it to step operation.
(d) Press the UPDr switch in order and check the operation of blower damper.

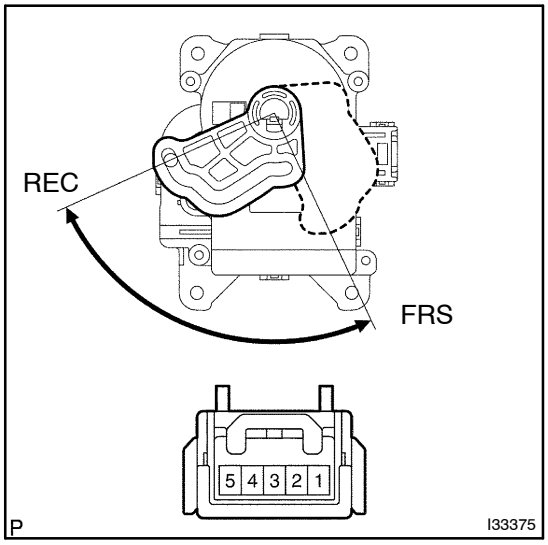
Display Code	Air inlet damper position
0	FRESH
1	↑
2	FRESH *1 FRESH/RECIRCULATION *2
3	RECIRCULATION
4	FRESH
5	↑
6	↑
7	↑
8	↑
9	↑

*1: Europe, G. C. C. Countries Models
*2: Except Europe, G. C. C. Countries Models

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) Connect the positive (+) lead to from the battery to terminal 5 and negative (–) lead to terminal 4, then check that the lever turns to ”FRS” side smoothly.
(c) Connect the positive (+) lead to from the battery to terminal 4 and negative (–) lead to terminal 5, then check that the lever turns to ”REC” side smoothly.

NG → REPLACE BLOWER DAMPER SERVO SUB–ASSY

OK

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

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE AIR CONDITIONING AMPLIFIER