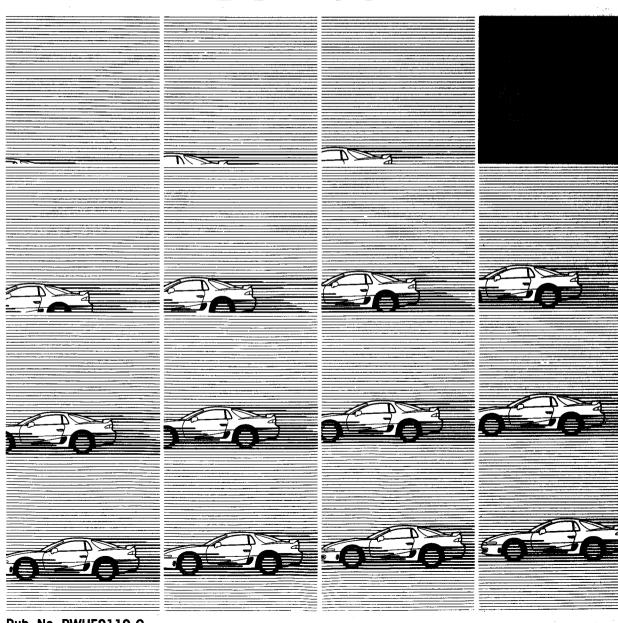


Workshop Manual

chassis

SUPPLEMENT

3000GT '98



Pub. No. PWUE9119-G Pub. No. PWUE9203-5

• • •

MITSUBISHI 300GT

WORKSHOP MANUAL SUPPLEMENT

FOREWORD

This Workshop Manual contains procedures for removal, disassembly, inspection, adjustment, reassembly and installation, etc. for service mechanics. Use the manuals indicated on the following page in combination with this manual as required.

All information, illustrations and product descriptions contained in this manual are current as at the time of publication. We, however, reserve the right to make changes at any time without prior notice or obligation.



General
Fuel
Engine Electrical
Heater, Air conditioner and Ventilation

00

13

RELATED PUBLICATIONS

TECHNICAL INFORMATION MANUAL

PYUE9201

WORKSHOP MANUAL

Chassis Group

<Europe>

PWUE9119 (Loose-leaf edition)

PWUE9119-E (Supplement)

PWUE9119-F (Supplement)

<General Export, GCC and

PWUE9119 (Loose-leaf edition) PWUE9203 (Basic)

Australia>

PWUE9203-1 (Supplement)

PWUE9203-2 (Supplement) PWUE9203-3 (Supplement) PWUE9203-4 (Supplement)

Engine Group

PWEE□□□□ (Loose-leaf édition)

ELECTRICAL WIRING

<Europe>

PHUE9201 (Loose-leaf edition)

PHUE9201-D (Supplement) PHUE9201-E (Supplement) PHUE9201-F (Supplement)

<General Export, GCC and

Australia>

PHUE9406 (Basic)

PHUE9406-1 (Supplement) PHUE9406-2 (Supplement)

PARTS CATALOGUE

<Europe>

B608K408A□

<General Export, GCC>

Export, acc

<Australia>

B808K408A□ **BFA8K408A**□

WARNINGS REGARDING OF SUPPLEMENTAL RESTRAINT SYSTEM (SRS) EQUIPPED VEHICLES

WARNING!

- (1) Improper service or maintenance of any component of the SRS, or any SRS-related component, can lead to personal injury or death to service personnel (from inadvertent firing of the air bag) or to the driver (from rendering the SRS inoperative).
- (2) If it is possible that the SRS components are subjected to heat over 93°C (200°F) in baking or in drying after painting, remove the SRS components (air bag module, SRS-ECU) beforehand.
- (3) Service or maintenance of any SRS component or SRS-related component must be performed only at an authorized MITSUBISHI dealer.
- (4) MITSUBISHI dealer personnel must thoroughly review this manual, and especially its GROUP 52B Supplemental Restraint System (SRS), before beginning any service or maintenance of any component of the SRS or any SRS-related component.

GENERAL 00

VEHICLE IDENTIFICATION

MODEL

VEHICLES FOR EUROPE

Model code	Engine model	Transmission model	Fuel supply system	7
Z16AMJGFL6	6G72 (2,972 mℓ)	W6MG1	MPI	7
Z16AMJGFR6				

VEHICLES FOR GENERAL EXPORT

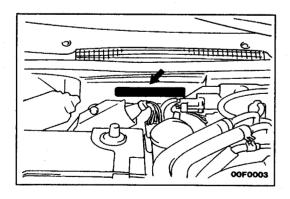
Model code	Engine model	Transmission model	Fuel supply system
Z16AMNGFL	6G72 (2,972 mℓ)	W5MG1	MPI
Z16AMNGFR			

VEHICLES FOR GCC

Model code	Engine model	Transmission model	Fuel supply system
Z16AMNGFLW	6G72 (2,972 mℓ)	W5MG1	MPI

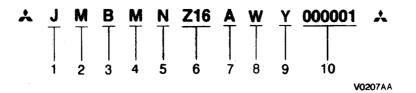
VEHICLES FOR AUSTRALIA

Model code	Engine model	Transmission model	Fuel supply system
Z16AMNGFR8	6G72 (2,972 mℓ)	W5MG1	MPI



CHASSIS NUMBER

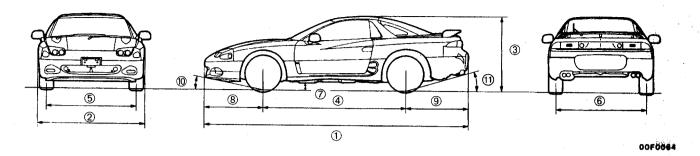
The chassis number is stamped on the toeboard inside the engine compartment.



- 1. Asia
- 2. Japan
- 3. MITSUBISHI
 - A For Europe, right hand drive
 - B For Europe, left hand drive
 - F For Australia, right hand drive
 - Y For General Export or GCC
- 4. Body style
 - M 2-door hatchback
- 5. Transmission type
 - N 5-speed manual transmission
 - J 6-speed manual transmission

- 6. Development order
 - Z16 2,972 mℓ (Full time 4WD)
- 7. Sort
 - A Passenger car
- 8. Model year
 - W 1998
- 9. Plant
 - Y Ohe Motor Vehicle Works
- 10. Serial number

MAJOR SPECIFICATIONS



Dimensions

Items		Z16AMJGFL6 Z16AMJGFL6	Z16AMNGFL Z16AMNGFR Z16AMNGFLW	Z16AMNGFR8
Overall length mm (in.)	1	4,570 (1799.9)	4,570 (1799.9)	4,570 (1799.9)
Overall width mm (in.)	2	1,840 (72.4)	1,840 (72.4)	1,840 (72.4)
Overall height (unladen) mm (in.)	3	1,285 (50.6)	1,285 (50.6)	1,285 (50.6)
Wheelbase mm (in.)	4	2,470 (97.2)	2,470 (97.2)	2,470 (97.2)
Track-front mm (in.)	5	1,560 (62.2)	1,560 (62.2)	1,560 (62.2)
Track-rear mm (in.)	6	1,580 (62.2)	1,580 (62.2)	1,580 (62.2)
Ground clearance (unladen) mm (in.)	7	140 (5.5)	140 (5.5)	140 (5.5)
Overhang-front mm (in.)	8	1,030 (40.6)	1,030 (40.6)	1,030 (40.6)
Overhang-rear mm (in.)	9	1,070 (42.1)	1,070 (42.1)	1,070 (42.1)
Angle of approach	100	11.2°	11.2°	11.2°
Angle of departure depress	10	11.7°	11.7°	11.7°

Weight

Items		Z16AMJGFL6 Z16AMJGFR6	Z16AMNGFL Z16AMNGFR Z16AMNGFLW	Z16AMNGFR8
Kerb weight kg (lbs.)		1,730 (3,858)	1,695 (3,737)	1,700 (3,748)
Gross vehicles weight kg (lbs.)		2,120 (4,674)	2,075 (4,575)	2,080 (4,586)
Max. axle weight kg (lbs.)	front	1,150 (2,535)	1,150 (2,535)	1,150 (2,535)
	rear	1,020 (2,249)	1,020 (2,249)	1,020 (2,249)

Seating capacity

Items	Z16AMJGFL6 Z16AMJGFR6	Z16AMNGFL Z16AMNGFR Z16AMNGFLW	Z16AMN	GFR8
Seating capacity	4	4	4	

Engine

Items	Z16AMJGFL6 Z16AMJGFR6	Z16AMNGGFL Z16AMNGFR Z16AMNGFLW	Z16AMNGFR8
Model	6G72	6G72	6G72
Total displacement mℓ	2,972	2,972	2,972

Transmission

Items	Z16AMJGFL6 Z16AMJGFR6		
Model	W6MG1	W5MG1	W5MG1
Туре	6-speed manual	5-speed manual	5-speed manual

FUEL

CONTENTS

GENERAL	2
Outline of Change	2
ON-VEHICLE INSPECTION OF MPI COMPONENTS	2
Mixture Adjusting Screw (variable resistor) <vehicles and="" export="" for="" gcc="" general=""></vehicles>	2

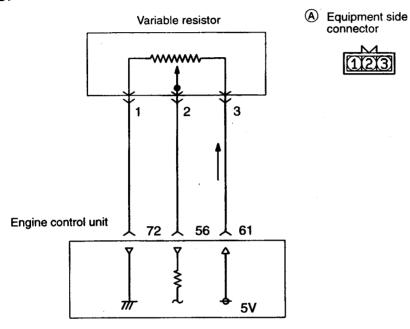
GENERAL

OUTLINE OF CHANGE

The connector for the mixture adjusting screw (variable resistor) has been changed. The following
maintenance service points which are different from previous vehicles have been established to
correspond to this.

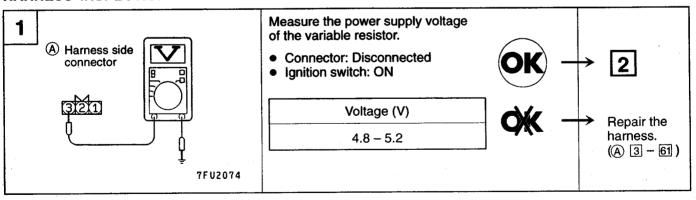
ON-VEHICLE INSPECTION OF MPI COMPONENTS

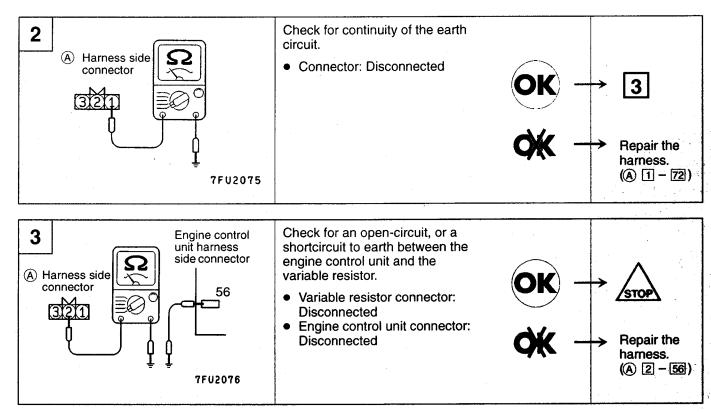
MIXTURE ADJUSTING SCREW (Variable Resistor) < Vehicles for General Export and GCC>

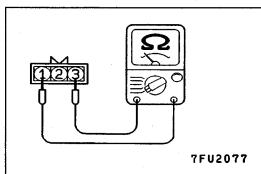


7FU2073

HARNESS INSPECTION



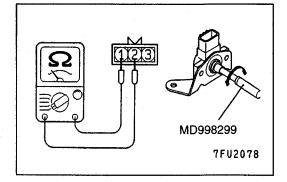




SENSOR INSPECTION

- (1) Disconnect the variable resistor connector.
- (2) Use a circuit tester to measure the resistance between terminal ① and terminal ③ of the variable resistor connector.

Standard value: 4 – 6 k Ω



- (3) Next, connect the circuit tester between terminal ① and terminal ②.
- (4) Check if the resistance changes smoothly when the adjusting screw is rotated by the special tool (MAS driver).
- (5) Inspect the body for cracks or other damage.
- (6) If any defect is found, replace the variable resistor as an assembly.

GROUP 16 ENGINE ELECTRICAL

GENERAL

OUTLINE OF CHANGE

 The nominal output for the alternator has been changed to 110 A in vehicles for General Export and Australia. The alternator output current specifications have been changed as follows to correspond to this.

SPECIFICATIONS

SERVICE SPECIFICATIONS

ALTERNATOR < Vehicles for General Export and Australia>

Item	Specifications
Limit	
Output current A	77A

SERVICE ADJUSTMENT PROCEDURES

OUTPUT CURRENT TEST < Vehicles for General Export and Australia>

Inspection service points are the same as before.

Output current Limit: 77A

HEATER, AIR CONDITIONER AND VENTILATION

CONTENTS

GENERAL 2	
Outline of Changes 2	ASSEMBLY 2
TROUBLESHOOTING 2	COMPRESSOR 2
AIR CONDITIONER CONTROL PANEL AND ECU ASSEMBLY 27	CONDENSER AND CONDENSER FAN MOTOR 2

GENERAL

OUTLINE OF CHANGES

An air conditioning control panel and ECU assembly which integrates the air conditioning control panel and the ECU has been adopted. The following items have been changed to correspond to this.

- Troubleshooting
- Removal and installation service points for the air conditioning control panel and ECU assembly
- Removal and installation service points for the damper control motor assembly
- Inspection service points for operation of the thermostat and the compressor's magnetic clutch
- Inspection service points for the revolution pickup sensor
- Inspection service points for the condenser fan motor

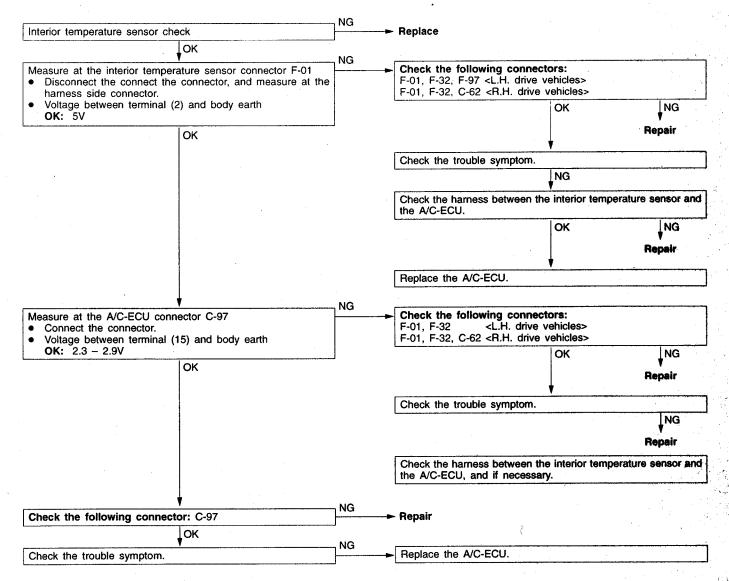
TROUBLESHOOTING

INSPECTION CHART FOR DIAGNOSIS CODES

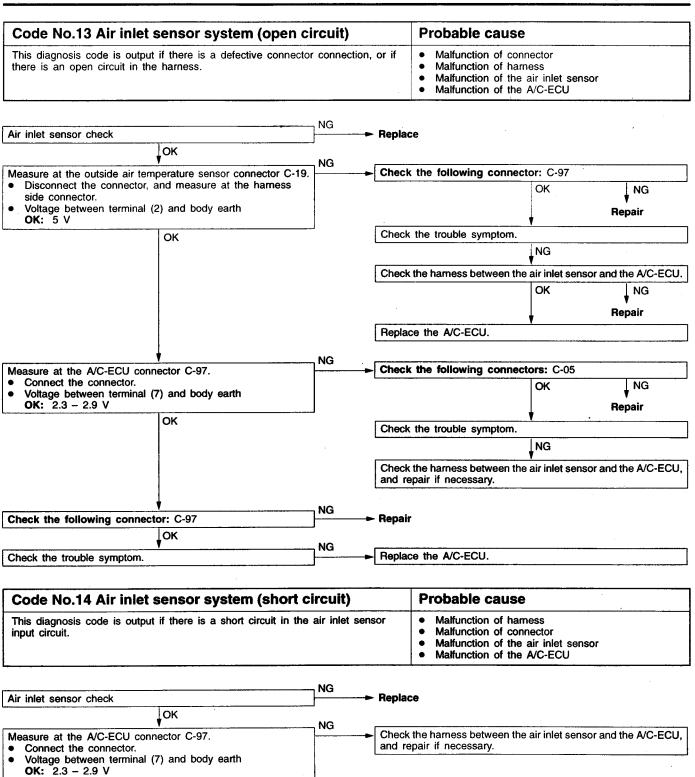
Code No.	Diagnosis item	Reference page
11	Interior temperature sensor system (open circuit)	55-3
12	Interior temperature sensor system (short circuit)	55-3
13	Air inlet sensor system (open circuit)	55-4
14	Air inlet sensor system (short circuit)	55-4
15	Engine coolant temperature sensor system (open circuit)	55-5
16	Engine coolant temperature sensor system (short circuit)	55-5
21	Air thermo sensor system (open circuit)	55-6
22	Air thermo sensor system (short circuit)	55-6
31	Potentiometer system of blend air damper motor assembly	55-7
32	Potentiometer system of mode selection damper motor assembly	55-8
41	Drive system of air mix damper motor assembly	55-9
42	Drive system of mode selection damper motor assembly	55-9

INSPECTION PROCEDURES FOR DIAGNOSIS CODES

Code No.11 or 12 Interior temperature sensor system	Probable cause
This diagnosis code is output if the interior temperature sensor is defective.	Malfunction of connector Malfunction of harness Malfunction of interior temperature sensor Malfunction of the A/C-ECU

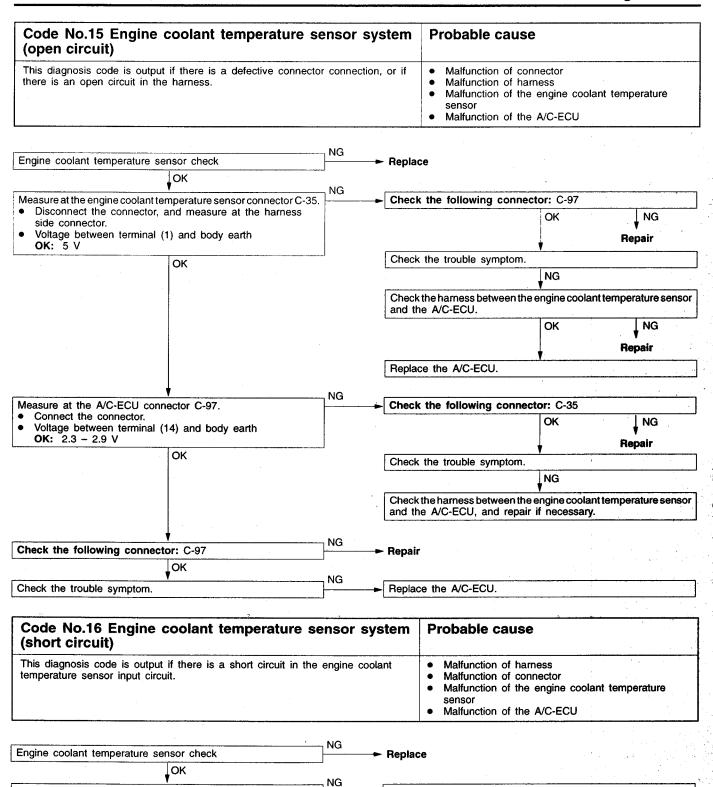


55-4 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting



OK

Replace the A/C-ECU.



Measure at the A/C-ECU connector C-97.

Voltage between terminal (14) and body earth

OK

Connect the connector.

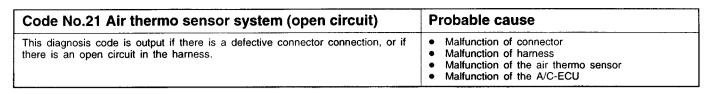
OK: 2.3 - 2.9 V

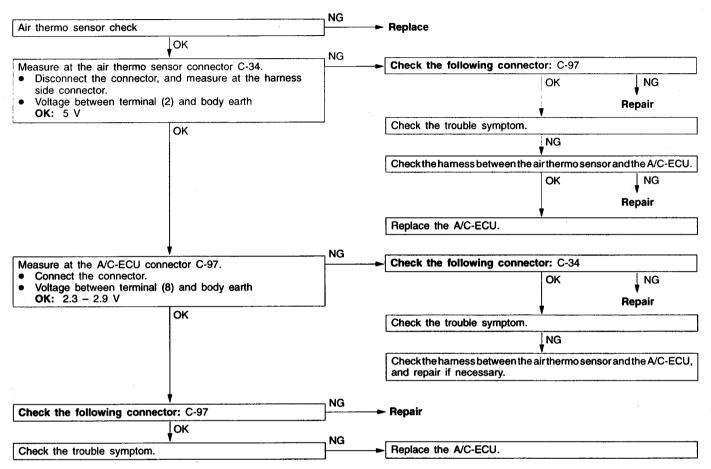
Replace the A/C-ECU.

Check the harness between the heater water temperature sensor

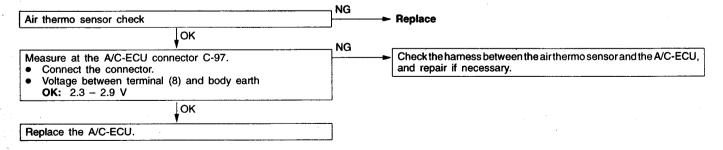
and the A/C-ECU, and repair if necessary.

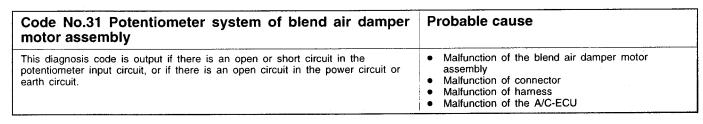
55-6 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

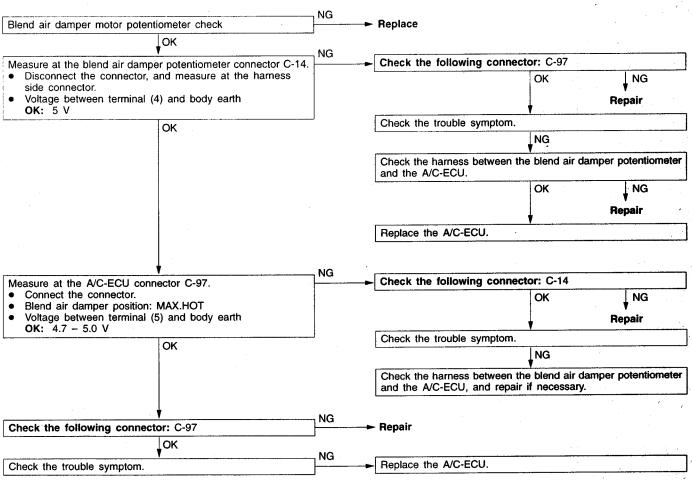




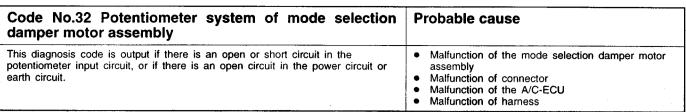
Code No.22 Air thermo sensor system (short circuit)	Probable cause
This diagnosis code is output if there is a short circuit in the air thermo sensor input circuit.	Malfunction of harness Malfunction of connector Malfunction of the air thermo sensor Malfunction of the A/C-ECU

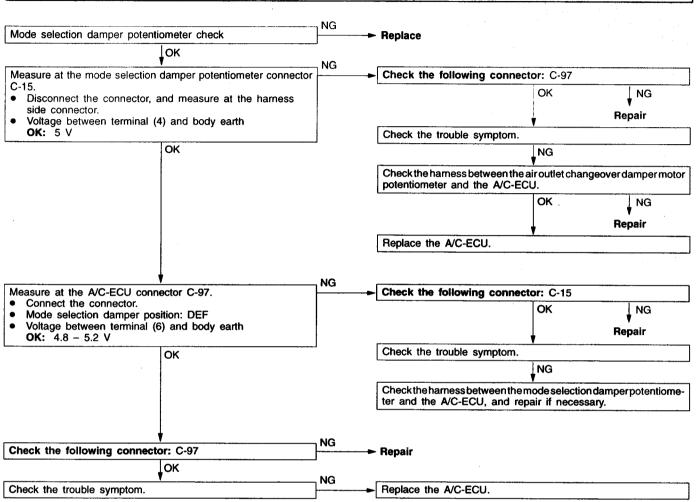


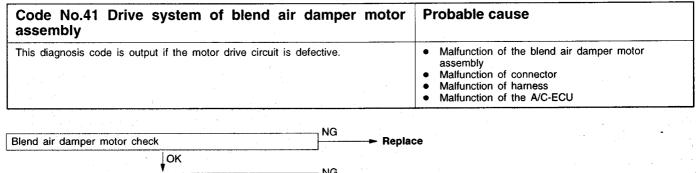


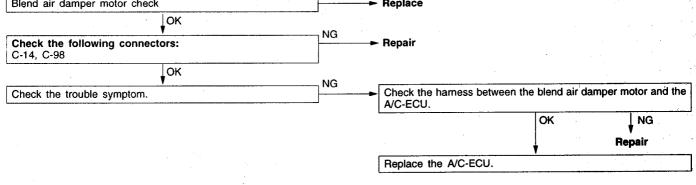


55-8 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

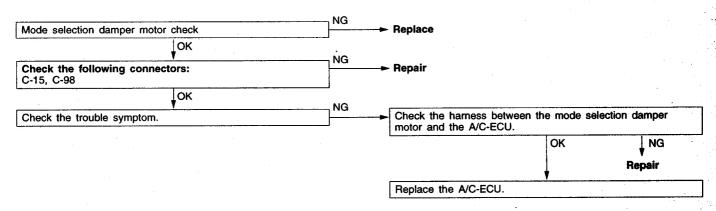








Code No.42 Drive system of mode selection damper motor assembly	Probable cause
This diagnosis code is output if the motor drive circuit is defective.	Malfunction of the mode selection damper motor assembly Malfunction of connector Malfunction of harness Malfunction of the A/C-ECU



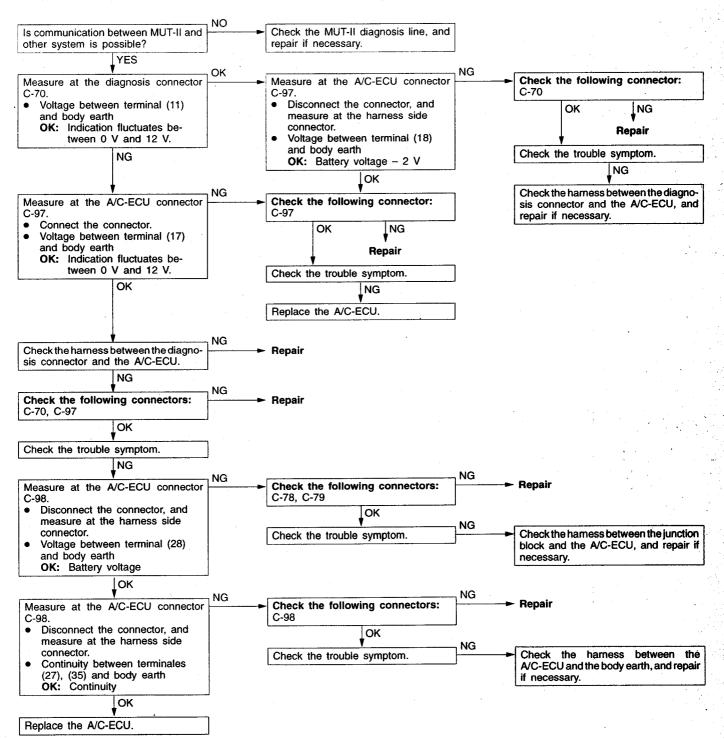
55-10 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

INSPECTION CHART FOR TROUBLE SYMPTOMS

Trouble symptom	Inspection procedure No.	Reference page
Communication with the MUT-II is not possible.	1	55-11
Air conditioner does not operate.	2	55-12
A/C graphic display on control panel is blank.	3	55-13
Temperature cannot be set.	4	55-13
A/C outlet air temperature does not increase.	5	55-13
A/C outlet air temperature does not decrease.	6	55-13
Blower does not operate.	7	55-14
Blower air amount cannot be changed.	8	55-15
Air outlet port cannot be changed.	9	55-15
Inside/outside air selection is not possible.	10	55-16
Defroster function does not operate.	11	55-17
Radiator fan does not operate.	12	55-18
Condenser fan does not operate.	13	55-20
A/C-ECU power supply circuit check	14	55-22
A/C compressor control circuit check	15	55-23

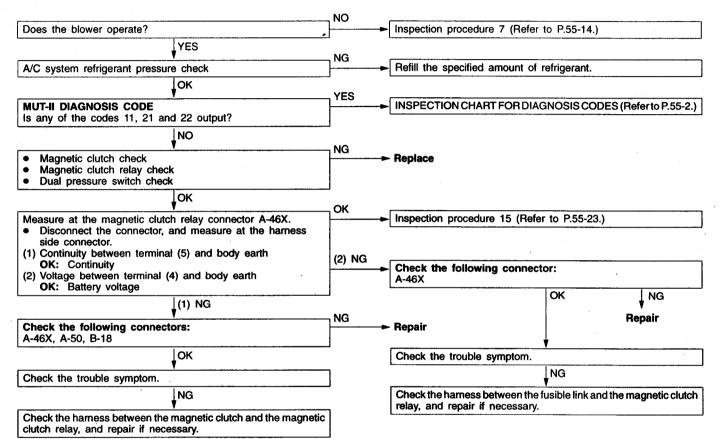
INSPECTION PROCEDURE FOR TROUBLE SYMPTOMS Inspection procedure 1

Communication with the MUT-II is not possible.	Probable cause
If communication with all other systems is not possible, there is a high possibility that there is a malfunction of the diagnosis line. If communication with only the A/C is not possible, the cause is probably a malfunction of the diagnosis line or of the A/C-ECU power supply system (earth).	Malfunction of connector or harness Malfunction of A/C-ECU



55-12 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

Air conditioner does not operate.	Probable cause		
If the A/C does not operate when the A/C switch is on and the temperature setting is at 17°C, the cause is probably insufficient refrigerant, or a malfunction of the blower or of the magnet clutch power supply.	Malfunction of blower Insufficient refrigerant Malfunction of magnetic clutch Malfunction of air thermo sensor Malfunction of magnetic clutch relay Malfunction of refrigerant temperature switch Malfunction of dual pressure switch Malfunction of connector or harness Malfunction of engine-ECU Malfunction of A/C-ECU		



Inspection procedure 3

A/C graphic display on control panel is blank.	Probable cause
The cause is probably a malfunction of the A/C-ECU power supply system (earth).	Malfunction of connector or harness Malfunction of A/C-ECU

Does the A/C operate?		NO -	Inspection pr	ocedure 14 (Refe	er to P.5	5-22.)	····	
	YES			,				
Replace the A/C-ECU.]			•	e.		

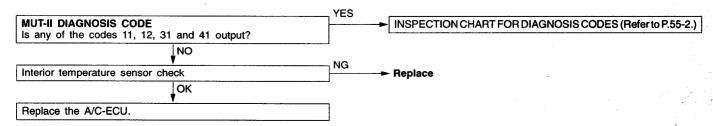
Inspection procedure 4

Temperature cannot be set.	Probable cause
The cause is probably a malfunction of the temperature setting signal input system or output system.	Malfunction of connector or harness Malfunction of A/C-ECU

Inspection procedure 14 (Refer to P.55-22.)

Inspection procedure 5

A/C outlet air temperature does not increase.	Probable cause
If the outlet air temperature does not increase when the temperature setting is increased, the cause is probably a sensor malfunction or a problem with operation of the blend air damper. The MUT-II can be used to check the diagnosis codes in order to check the cause of the problem for each separate system.	Malfunction of blend air damper potentiometer Malfunction of blend air damper motor Malfunction of blend air damper Malfunction of connector or harness Malfunction of interior temperature sensor Malfunction of A/C-ECU

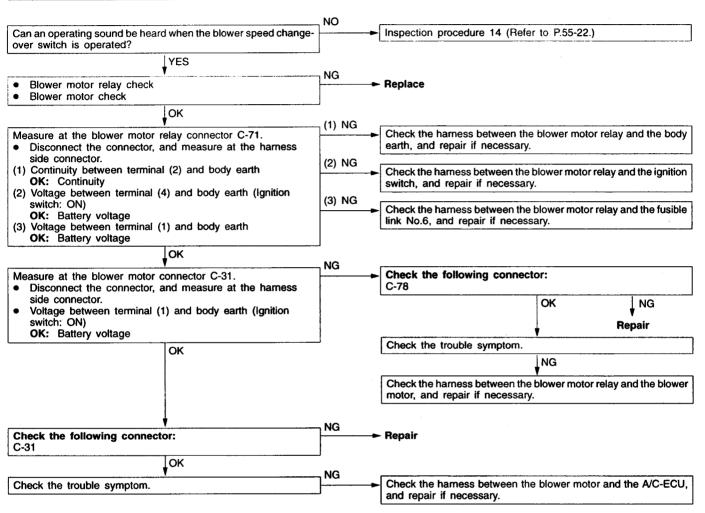


A/C outlet air temperature does not decrease.	Probable cause
If the outlet air temperature does not decrease when the temperature setting is decreased, the cause is probably a problem in A/C system operation due to a sensor error, or a problem with operation of the blend air damper. The MUT-II can be used to check the diagnosis codes in order to check the cause of the problem for each separate system.	Malfunction of blend air damper potentiometer Malfunction of blend air damper motor Malfunction of air thermo sensor Malfunction of connector or harness Malfunction of blend air damper Malfunction of A/C-ECU

	NO		
Does the A/C operate?		Inspection procedure 2 (Refer to P.55-12.)	
YES	,		
MUT-II DIAGNOSIS CODE Is any of the codes 11, 12, 13, 14, 21, 22, 31 and 41 output?	YES	INSPECTION CHART FOR DIAGNOSIS CODES (Refer to P.55-2.)	
NO	-		
Replace the A/C-ECU.	7		

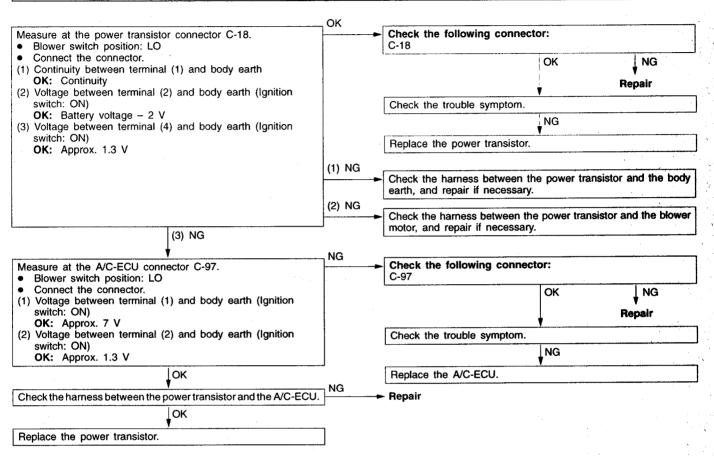
55-14 HEATER, AIR CONDITIONER AND VENTILATION — Troubleshooting

Blower does not operate.	Probable cause
If no air comes out of the blower even though the blower switch is on, the cause is probably a malfunction of the blower motor relay circuit.	Malfunction of blower motor relay Malfunction of blower motor Malfunction of connector or harness Malfunction of A/C-ECU

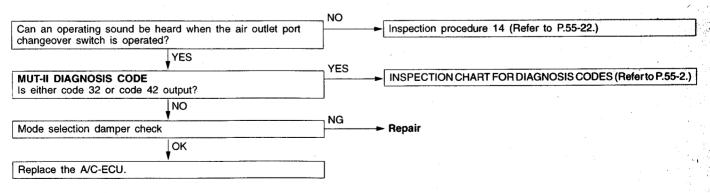


Inspection procedure 8

Blower air amount cannot be changed.	Probable cause	
If the blower does not operate in any mode other than HI setting, the cause is probably a malfunction of the power transistor system.	 Malfunction of power transistor Malfunction of connector or harness Malfunction of A/C-ECU 	

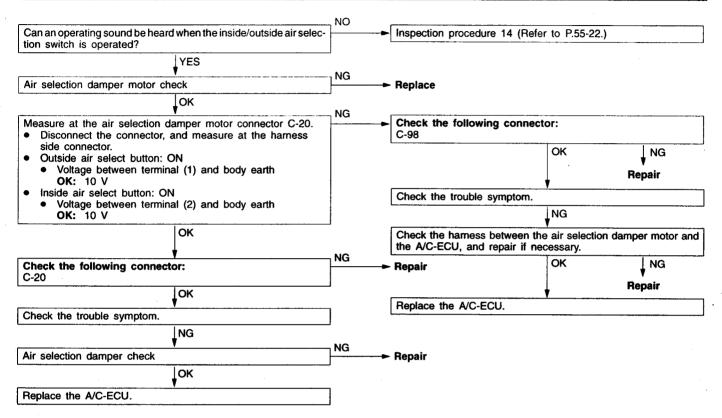


Air outlet port cannot be changed.	Probable cause
The cause is probably a malfunction of the air outlet port changeover signal input system or output system. The MUT-II can be used to check the diagnosis codes in order to check the cause of the problem for each separate system.	Malfunction of mode selection damper potentiometer Malfunction of mode selection damper motor Malfunction of mode selection damper Malfunction of connector or harness Malfunction of A/C-ECU

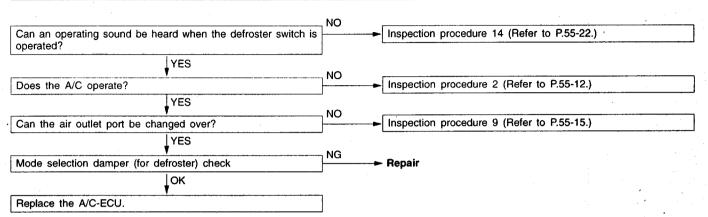


55-16 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

Inside/outside air selection is not possible.	Probable cause
If inside/outside air selection is not possible even when the inside/outside air changeover switch is on, the cause is probably a malfunction of the air selection damper motor.	Malfunction of air selection damper motor Malfunction of air selection damper Malfunction of connector or harness Malfunction of A/C-ECU

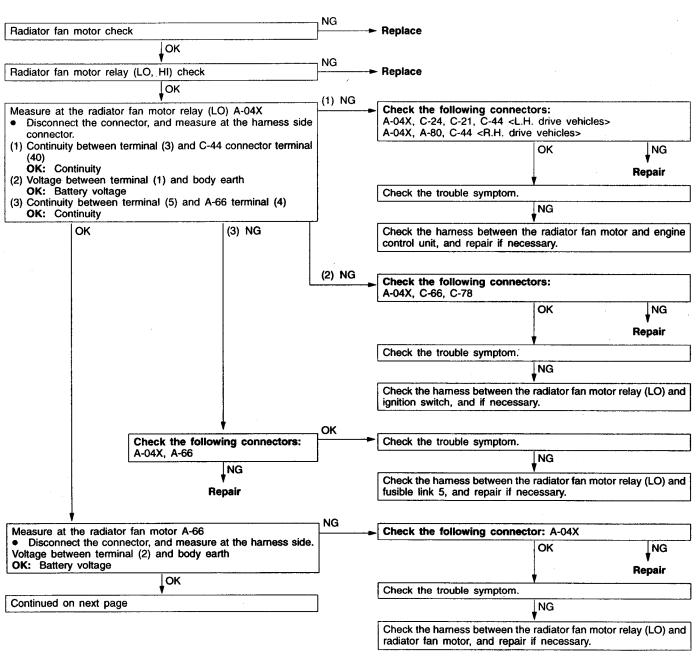


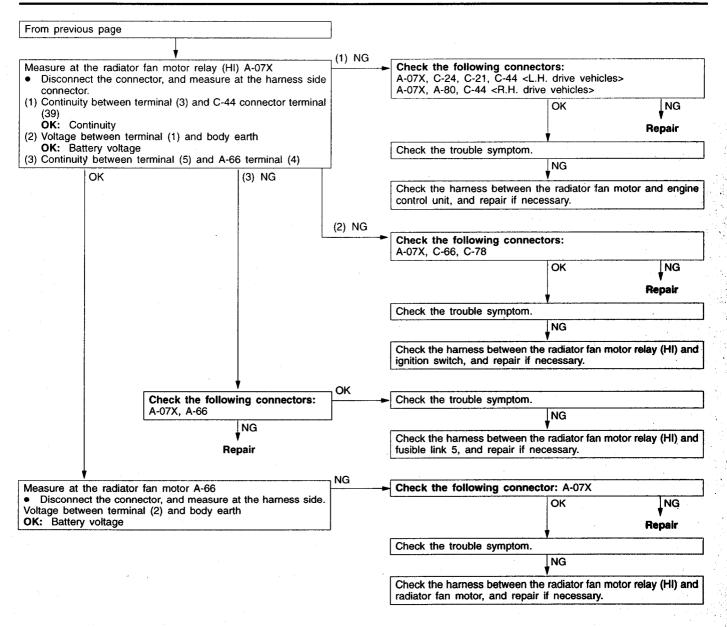
Defroster function does not operate.	Probable cause
If the defroster function does not operate when the defroster switch is turned on, the cause is probably a malfunction of the A/C or of the air outlet port changeover circuit.	Malfunction of air conditioner drive system Malfunction of mode selection damper drive system Malfunction of connector or harness Malfunction of A/C-ECU



55-18 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

Radiator fan motor does not operate.	Probable cause	
If the radiator fan does not operate even though the air conditioner is operating, the cause is probably a malfunction of the radiator fan motor operating circuit. In such a case, the cooling performance will drop when the vehicle is not moving.	Malfunction of radiator fan motor Malfunction of radiator fan motor relay (LO, HI) Malfunction of connector or harness	

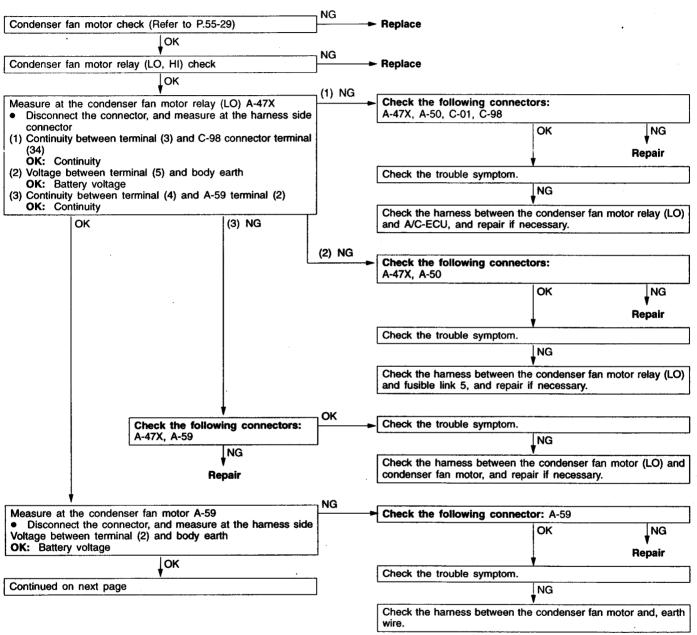


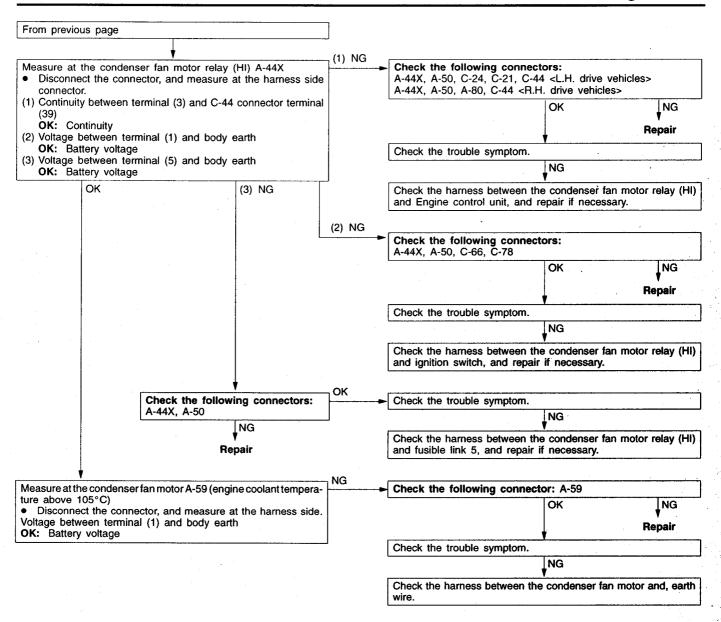


55-20 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

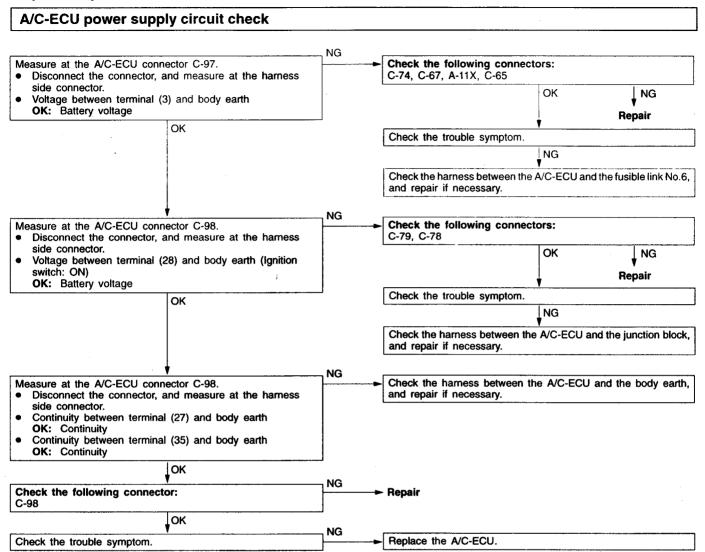
Inspection procedure 13

Condenser fan motor does not operate. Probable cause Malfunction of condenser fan motor If the condenser fan does not operate even though the air conditioner is operating, the cause is probably a malfunction of the condenser fan motor Malfunction of condenser fan motor relay (LO, HI) operating circuit. In such a case, the cooling performance will drop when the Dedicated fuse No. 5 blown vehicle is not moving Malfunction of connector or harness NG Condenser fan motor check (Refer to P.55-29) - Replace OK NG Condenser fan motor relay (LO, HI) check Replace OK



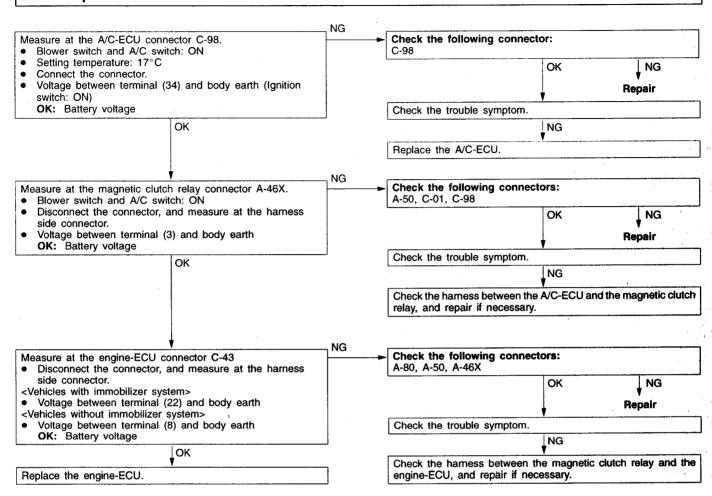


55-22 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting



Inspection procedure 15

A/C compressor control circuit check

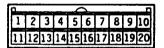


55-24 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

DATA LIST REFERENCE TABLE

Item No.	Check item	Check condition		Normal condition
11	Interior tempera- ture sensor	Ignition switch: ON		Inside air temperature and temperature displayed on the MUT-II are identical.
15	Engine coolant temperature sensor	Ignition switch: ON		Heater core surface temperature and temperature displayed on the MUT-II are identical.
21	Air thermo sensor	Ignition switch: ON		Evaporator surface temperature and temperature displayed on the MUT-II are identical.
25	Photo sensor	Ignition switch: ON		Amount of incident light is proportional to voltage displayed on the MUT-II.
31	Blend air damper	ir damper otentiome- Ignition switch: ON Damper position MAX. HOT		Opening degree (%)
	ter			Approx. 100
			MAX. COOL	Approx. 0
32	Mode selection Ignition switch: ON		Damper position	Opening degree (%)
	damper potentiom- eter		FACE	Approx. 0
			FOOT	Approx. 50
			FOOT/DEF.	Approx. 75
		·	DEF.	Approx. 100

CHECK AT THE A/C-ECU TERMINALS



21|22|23|24|25|26|27|28 | 29|30|31|32|33|34|35|36

20P0031

20P0030 00006895

Terminal No.	Check item	Check condition	Normal condition
1	Air conditioner power transistor collector	When blower switch is at OFF	System voltage
		When blower switch is at LO	Approx. 9 V
		When blower switch is at HI	Almost no voltage (0 V)
2	Air conditioning power transistor base	When blower switch is at OFF	0 V
		When blower switch is at LO	Approx. 1.3 V
		When blower switch is at HI	Approx. 2.5 V
3	A/C-ECU backup power supply	At all times	System voltage

HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting 55-25

Terminal No.	Check item	Check condition	Normal condition
4	Engine coolant temperature sensor input	When sensor section temperature is 25°C (4 $k\Omega$)	2.3 – 2.9 V
5	Blend air damper motor potentiometer input	When damper is moved to MAX. HOT position	4.7 – 5.0 V
6	Mode selection damper potentiometer input	When damper is moved to DEF. position	4.8 – 5.2 V
7	Air inlet sensor input	When sensor section temperature is 25°C (4 $k\Omega$)	2.3 – 2.9 V
8	Air thermo sensor input	When sensor section temperature is 25°C (4 $k\Omega$)	2.3 – 2.9 V
9	Photo sensor (–)	At luminous intensity of 100,000 lux or more	-0.1 - 0.2 V
		At luminous intensity of 0 lux	ov
10	Sensor power supply	At all times	4.8 – 5.2 V
15	Interior temperature sensor	When sensor section temperature is 25°C (4 $k\Omega$)	2.3 – 2.9 V
17	Diagnosis date output	When ignition switch is ON	0 V ↔ System voltage
18	Diagnosis control input	When ignition switch is ON	Battery voltage – 2 V
19 ·	Photo sensor (+)	At all times	0 V
20	Blend air damper motor and mode selection damper potentiometers	At all times	0 V
21	Mode selection damper motor (+)	Set to FACE position (OFF after 40 seconds of output)	10 V
		Set to DEF. position (OFF after 40 seconds of output)	0.5 V
22	Blend air damper motor (-)	Set the setting temperature to 17°C and set to MAX. COOL position (OFF after 40 seconds of output)	10 V
·		Set the setting temperature to 32°C and set to MAX. HOT position (OFF after 40 seconds of output)	0.5 V
23	Air selection damper motor (-)	Set to inside air position (OFF after 40 seconds of output)	0.5 V
		Set to outside air position (OFF after 40 seconds of output)	10 V
24	Mode selection damper motor (-)	Set to FACE position (OFF after 40 seconds of output)	0.5 V
		Set to DEF. position (OFF after 40 seconds of output)	10 V

55-26 HEATER, AIR CONDITIONER AND VENTILATION - Troubleshooting

Terminal No.	Check item	Check condition	Normal condition
25	Blend air damper motor (+)	Set the setting temperature to 17°C and set to MAX. COOL position (OFF after 40 seconds of output)	0.5 V
		Set the setting temperature to 32°C and set to MAX. HOT position (OFF after 40 seconds of output)	10 V
26	Air selection damper motor (+)	Set to inside air position (OFF after 40 seconds of output)	10 V
		Set to outside air position (OFF after 40 seconds of output)	0.5 V
27	Earth	At all times	Continuity
28	A/C-ECU power supply	When ignition switch is ON	System voltage
29	ILL earth (rheostat)	At all times	Continuity
30	ILL power supply	When lighting switch is at ON	System voltage
33	Engine-ECU output	When air mix damper is at MAX. COOL position	0 V
		When air mix damper is at MAX. HOT position	System voltage
34	A/C output	When A/C is OFF	0 V .
		When A/C is ON	System voltage
35	Earth	At all times	Continuity

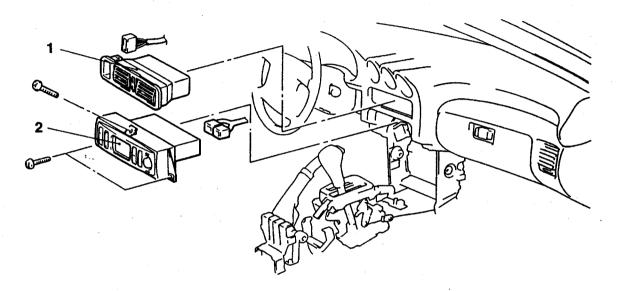
AIR CONDITIONER CONTROL PANEL AND ECU ASSEMBLY

REMOVAL AND INSTALLATION

Pre-removal and Post-installation Operation

Floor Console Removal and Installation

CAUTION: SRS
When installing or removing the floor console, don't allow any impact or shock to the SRS-ECU.



A20F0185

Removal steps

1. Center air outlet assembly

2. Air conditioning control panel and ECU assembly

NOTE

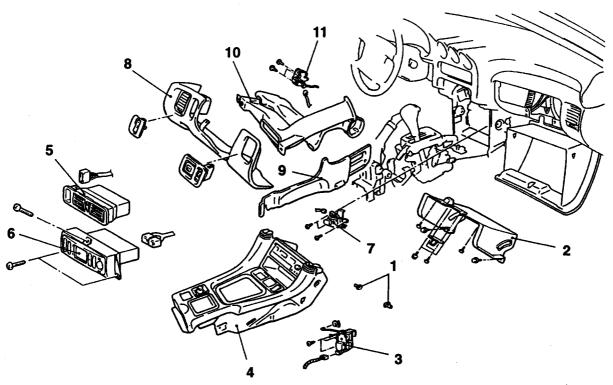
For service point, refer to Basic Manual.

DAMPER CONTROL MOTOR ASSEMBLY

REMOVAL AND INSTALLATION

CAUTION: SRS

When installing or removing the floor console, don't allow any impact or shock to the SRS-ECU.



A20F0184

Air selection damper motor assembly removal steps

- 1. Stopper
- 2. Glove box outer case
- 3. Air selection damper motor assem-

Blend air damper motor assembly removal steps

4. Floor console

For service point, refer to Basic Manual.

5. Center outlet assembly

6. Air conditioning control panel and ECU assembly

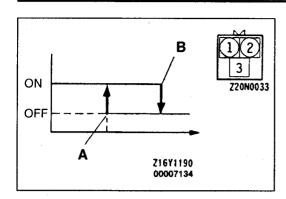
7. Blend air damper motor assembly

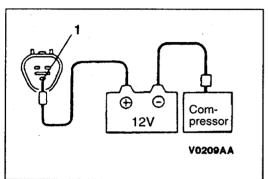
Mode selection damper motor assembly removal steps

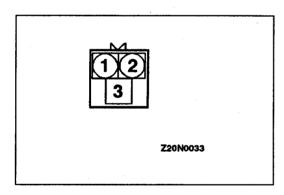
- 8. Knee protector
- 9. Side console cover10. Shower duct and lap cooler duct
- 11. Mode selection damper motor assembly

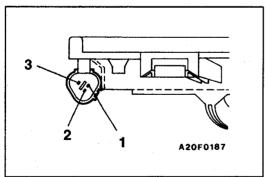
INSPECTION

Refer to Basic Manual.









COMPRESSOR

INSPECTION

THERMOSTAT CHECK AND COMPRESSOR'S MAGNETIC CLUTCH OPERATION CHECK

- (1) Dip the thermostat in engine oil.
- (2) Check for continuity across terminals (3) and compressor body earth when the engine oil is heated:

Standard value:

Continuity at approx. 110°C or less at A point No continuity at approx. 155°C or more at B point

(3) While the thermostat is on, connect terminal (1) at the compressor side to the positive (+) terminal of the battery and earth the negative (-) terminal of the battery to the compressor.

The condition of the compressor's magnetic clutch can be considered satisfactory if the operation sound (a "click" sound) of the magnetic clutch can be heard when this check is made.

REVOLUTION PICK UP SENSOR CHECK

Measure the resistance between terminals (1) and (2) of the connector.

Normal resistance:

405 \pm 35 Ω when ambient temperature is 20°C

If the measurement deviates greatly from the above resistance, replace the revolution pick up sensor assembly.

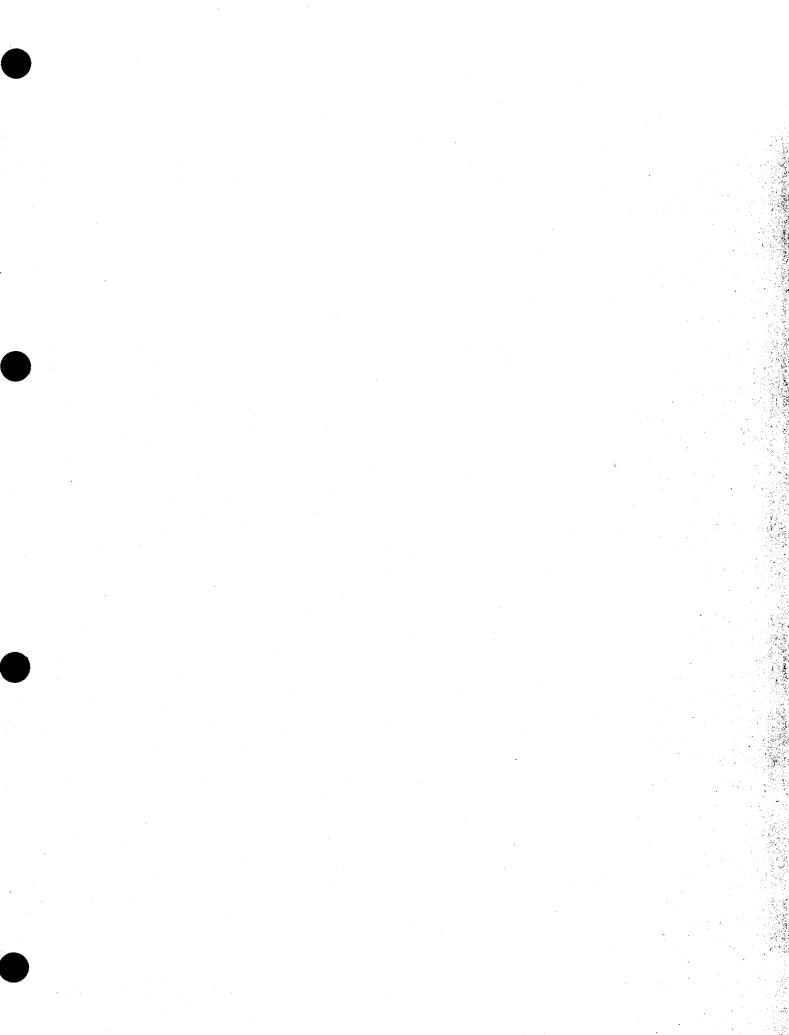
CONDENSER AND CONDENSER FAN MOTOR

INSPECTION

CONDENSER FAN MOTOR CHECK

- (1) Apply battery voltage (+) to terminal (1) and ground (-) terminal (3); at this time, check that the condenser fan motor turns.
- (2) Apply battery voltage (+) to terminal (2) and ground (-) terminal (3); at this time, check that the condenser fan motor turns.

NOTES



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