GROUP 80A

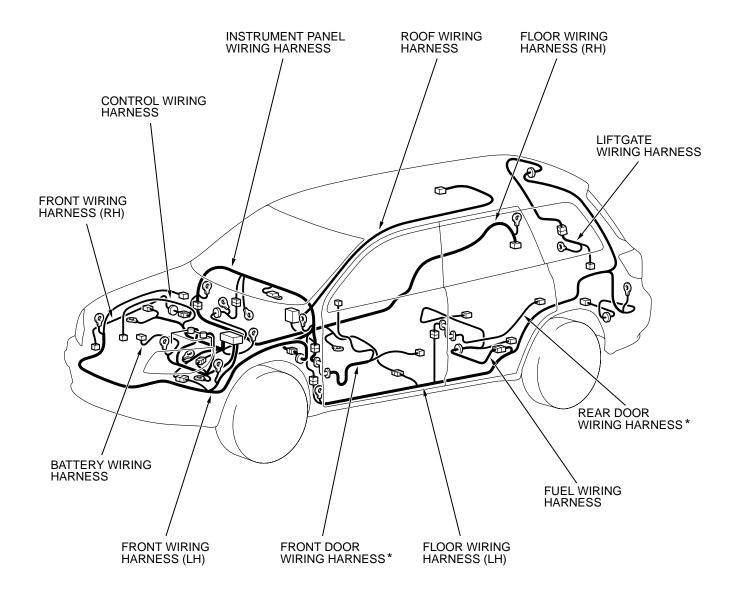
CONFIGURATION DIAGRAMS

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ENGINE COMPARTMENT	80A-4	LIFTGATE	80A-22
FNGINE AND TRANSAXI F	80A-6		

OVERALL CONFIGURATION DIAGRAM

M1801000100536



AC107467AB

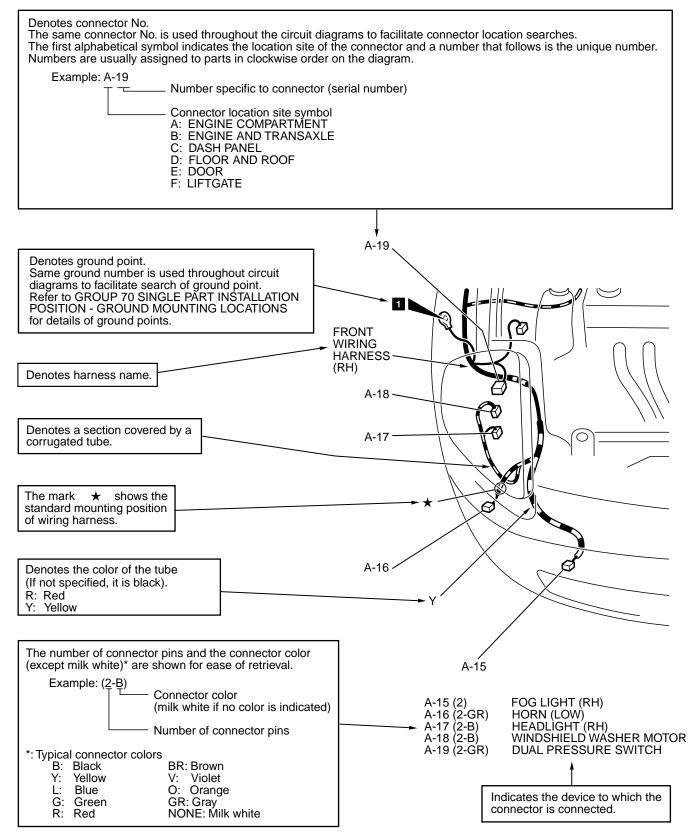
NOTE:

- 1. This illustration shows only major wiring harnesses.
- 2. *: also equipped at the right side.

HOW TO READ CONFIGURATION DIAGRAMS

M1801000200566

The wiring harness diagrams clearly show the connector locations and harness routings at each site on actual vehicles.

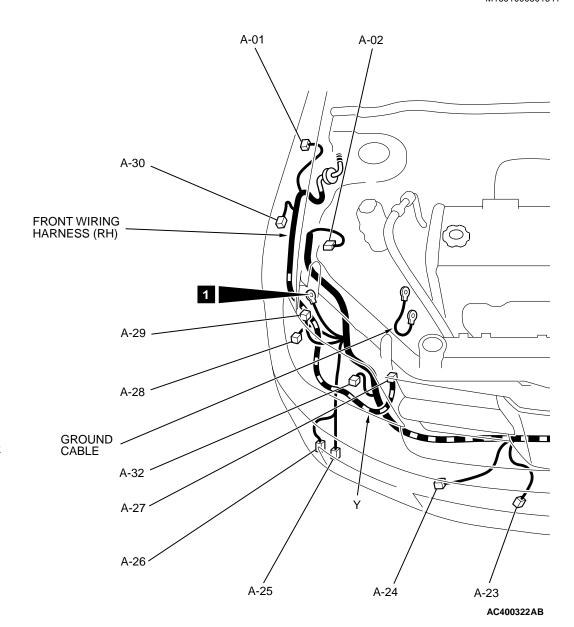


ENGINE COMPARTMENT

M1801000301511





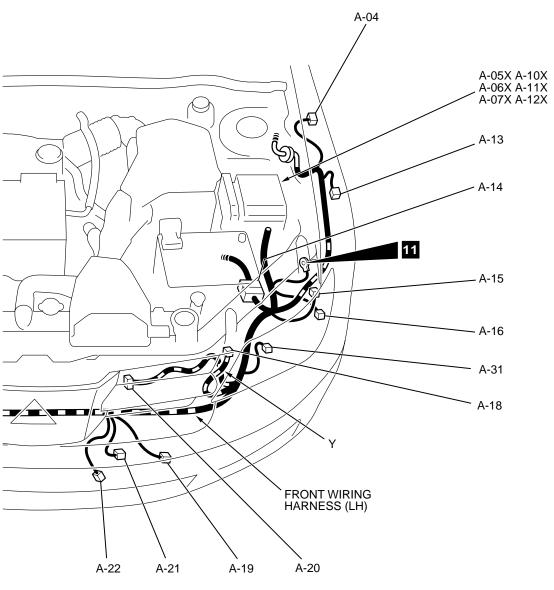


CONNECTOR COLOR CODE B: BLACK BR: BROWN G: GREEN GR: GRAY L: BLUE NONE: MILK WHITE

NONE: MILK WHI' O: ORANGE R: RED V: VIOLET Y: YELLOW

A-01	(2-GR)	SIDE TURN SIGNAL LIGHT (RH)	A-12X	(11)	FRONT-ECU
A-02	(3-B)	A/C PRESSURE SENSOR	A-13	(2-B)	WHEEL SPEED SENSOR (FRONT:
A-04	(2-GR)	SIDE TURN SIGNAL LIGHT (LH)			LH)
A-05X	(4)	FOG LIGHT RELAY	A-14	(17-GR)	FRONT WIRING HARNESS (LH)
A-06X	(4)	HORN RELAY			AND CONTROL WIRING HARNESS
A-07X	(4)	ACCESSORY SOCKET RELAY			COMBINATION
A-10X	(4)	FAN CONTROL RELAY	A-15	(3-GR)	HEADLIGHT (LH)
A-11X	(11)	FRONT-ECU	A-16	(3-B)	FRONT COMBINATION LIGHT (LH)

AC400323AB



A-18	(2-Y)	FRONT IMPACT SENSOR (LH)	A-26	(2-G)	REAR WASHER MOTOR
A-19	(2-B)	FOG LIGHT (LH)	A-27	(2-Y)	FRONT IMPACT SENSOR (RH)
A-20	(3-GR)	FAN CONTROL MODULE	A-28	(3-B)	FRONT COMBINATION LIGHT (RH)
A-21	(2-BR)	THERMOMETER SENSOR	A-29	(3-B)	HEADLIGHT (RH)
A-22	,	HORN (HIGH)	A-30	(2-B)	WHEEL SPEED SENSOR (FRONT:
A-23	(1-B)	HORN (LOW)			RH)
A-24	(2-B)	FOG LIGHT (RH)	A-31	(2-B)	HEADLIGHT (RH)
Δ-25	` '	WINDSHIELD WASHER MOTOR	A-32	(2-B)	HEADLIGHT (LH)

ENGINE AND TRANSAXLE

M1801000401154

Connector symbol

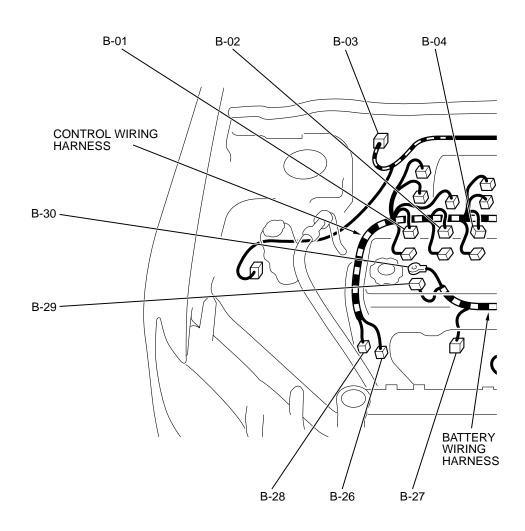
-01 thru -30

CONNECTOR COLOR CODE B: BLACK

BR: BROWN G: GREEN **GR: GRAY** L: BLUE

NONE: MILK WHITE

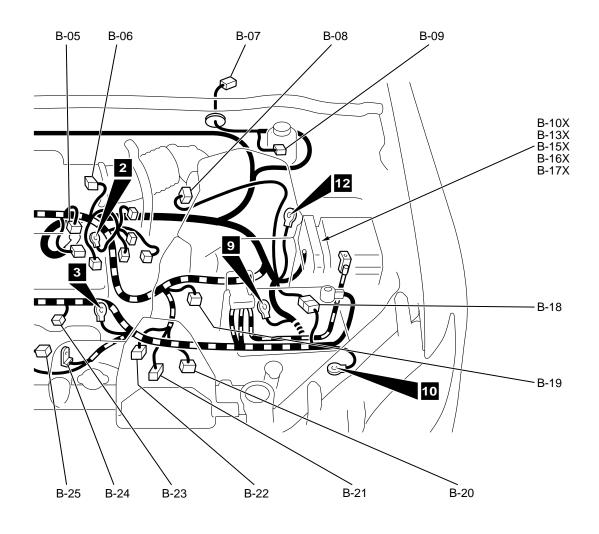
O: ORANGE R: RED V: VIOLET Y: YELLOW



AC400325AB

B-01 B-02	(2-GR) (2-GR)	INJECTOR 1 INJECTOR 2	B-13X	(4)	THROTTLE ACTUATOR CONTROL MOTOR RELAY
	,		D 15V	(4)	A/T CONTROL RELAY
B-03	(28-GR)	ABS-ECU	B-15X	` '	
B-04	(2-GR)	INJECTOR 3	B-16X	(4)	MFI RELAY
B-05	(2-GR)	INJECTOR 4	B-17X	(4)	A/C COMPRESSOR RELAY
B-06	(6-B)	THROTTLE POSITION SENSOR	B-18	(8-B)	CONTROL WIRING HARNESS AND
B-07	(5-GR)	WINDSHIELD WIPER MOTOR			BATTERY WIRING HARNESS
B-08	(4-GR)	MASS AIRFLOW SENSOR			COMBINATION
B-09	(2-GR)	BRAKE FLUID LEVEL SWITCH			
B-10X	(1)	ENGINE SPEED DETECTION			

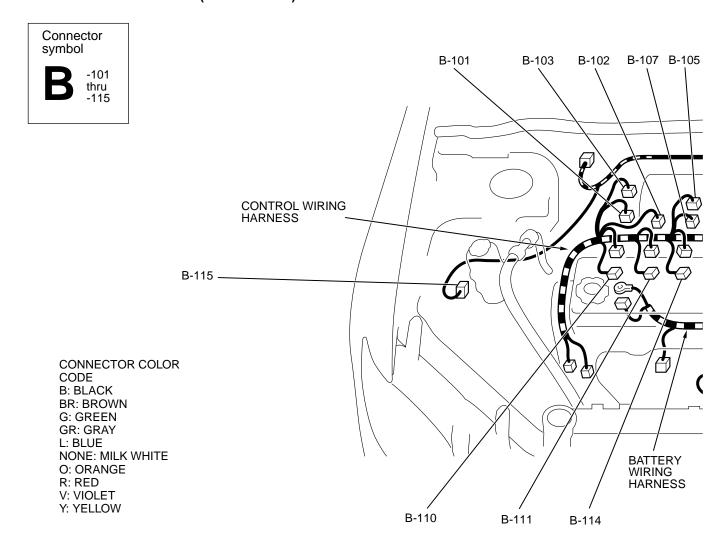
CONNECTOR



AC400326AB

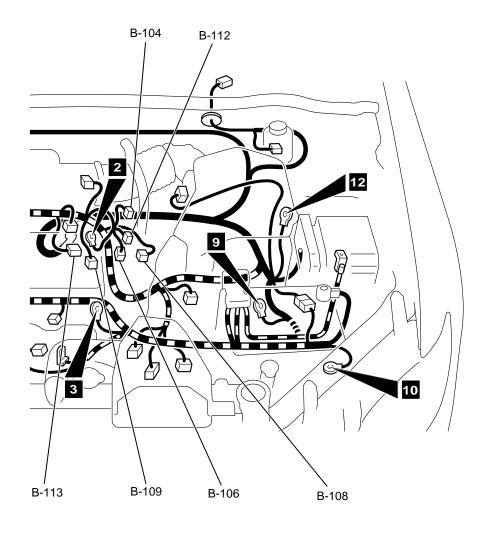
B-19	,	OUTPUT SHAFT SPEED SENSOR	B-25	(1-B)	STARTER A/C COMPRESSOR ASSEMBLY
B-20	(10-GR)	A/T CONTROL SOLENOID VALVE	B-26	(1-B)	
		ASSEMBLY	B-27	(1-B)	POWER STEERING PRESSURE
B-21	(10-B)	TRANSMISSION RANGE SWITCH			SWITCH
B-22	(3-B)	INPUT SHAFT SPEED SENSOR	B-28	(3-GR)	CRANKSHAFT POSITION SENSOR
B-23	(1-B)	OIL PRESSURE SWITCH	B-29	(4-GR)	GENERATOR
B-24	(1)	STARTER	B-30	(1)	GENERATOR

ENGINE AND TRANSAXLE (CONTINUED)



AC400325AC

B-101 (2-B)	EVAPORATIVE EMISSION PURGE	B-105 (5-	,
	SOLENOID		VALVE
B-102 (2-GR)	KNOCK SENSOR	B-106 (3-	B) CAMSHAFT POSITION SENSOR
B-103 (3-B)	MANIFOLD ABSOLUTE PRESSURE		
	SENSOR		
B-104 (1-B)	ENGINE OIL PRESSURE SWITCH		
	(FOR ENGINE OIL CONTROL		
	VALVE)		



AC400326AC

B-107	(1-B)	CAPACITOR	B-111	(3-GR)	IGNITION COIL 2
B-108	` ,	ENGINE COOLANT TEMPERATURE	B-112	(2-B)	ENGINE OIL CONTROL VALVE
	,	SENSOR	B-113	(3-GR)	IGNITION COIL 4
B-109	(1-B)	ENGINE COOLANT TEMPERATURE	B-114	(3-GR)	IGNITION COIL 3
	,	GAUGE UNIT	B-115	(8-GR)	ACCELERATOR PEDAL POSITION
B-110	(3-GR)	IGNITION COIL 1			SENSOR

DASH PANEL

M1801000601192

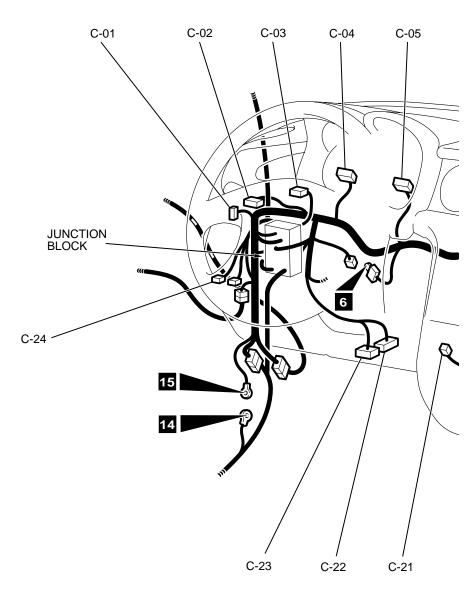




-01 thru -24

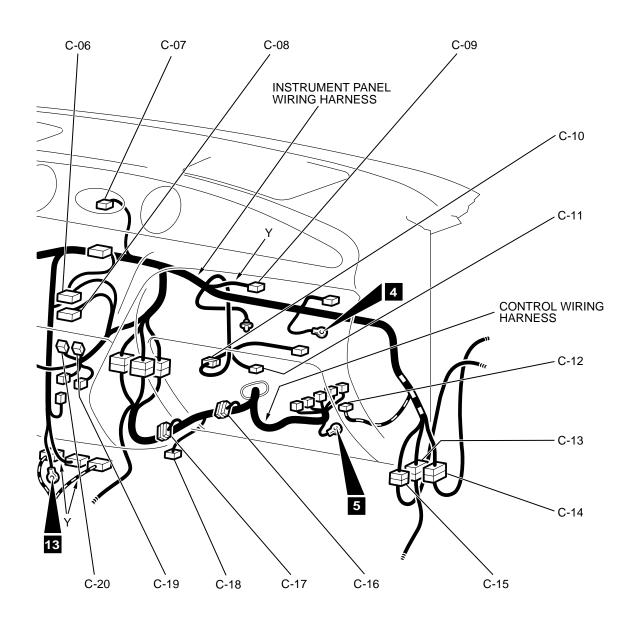
CONNECTOR COLOR
CODE
B: BLACK
BR: BROWN
G: GREEN
GR: GRAY
L: BLUE
NONE: MILK WHITE
O: ORANGE
R: RED
V: VIOLET

Y: YELLOW



AC400328AB

C-01 C-02 C-03 C-04 C-05 C-06 C-07 C-08	(33) (33) (6) (22) (22-L) (16-B) (4) (6)	JOINT CONNECTOR (4) JOINT CONNECTOR (3) FOG LIGHT SWITCH COMBINATION METER COMBINATION METER A/C-ECU CLOCK BLOWER SWITCH	C-10 C-11 C-12 C-13	(4) (2) (16)	INSTRUMENT PANEL WIRING HARNESS AND A/C WIRING HARNESS COMBINATION RESISTOR BLOWER MOTOR INSTRUMENT PANEL WIRING HARNESS AND FLOOR WIRING HARNESS (RH) COMBINATION
	` '				TARNESS (INT) COMBINATION
C-09	(4-Y)	AIR BAG MODULE (SQUIB) (PASSENGER'S SIDE)			



AC400329AB

C-14	(10)	FRONT WIRING HARNESS (RH) AND INSTRUMENT PANEL WIRING	C-18	(4)	HEATED OXYGEN SENSOR (FRONT)
		HARNESS COMBINATION	C-19	(1)	ACCESSORY SOCKET (2)
C-15	(19-GR)	INSTRUMENT PANEL WIRING	C-20	(1-B)	ACCESSORY SOCKET (2)
	,	HARNESS AND FRONT DOOR	C-21	(4)	HAZARD WARNING SWITCH
		WIRING HARNESS (RH)	C-22	(13)	DATA LINK CONNECTOR
		COMBINATION	C-23	(16-B)	DATA LINK CONNECTOR
C-16	(22-L)	JOINT CONNECTOR (1)	C-24	(11)	REMOTE CONTROLLED MIRROR
C-17	(13-GR)	JOINT CONNECTOR (2)			SWITCH

JUNCTION BLOCK \

C-119

DASH PANEL (CONTINUED)





-101 thru -123

CONNECTOR COLOR
CODE
B: BLACK
BR: BROWN
G: GREEN
GR: GRAY
L: BLUE
NONE: MILK WHITE
O: ORANGE
R: RED

V: VIOLET Y: YELLOW C-118

C-117

15

C-116

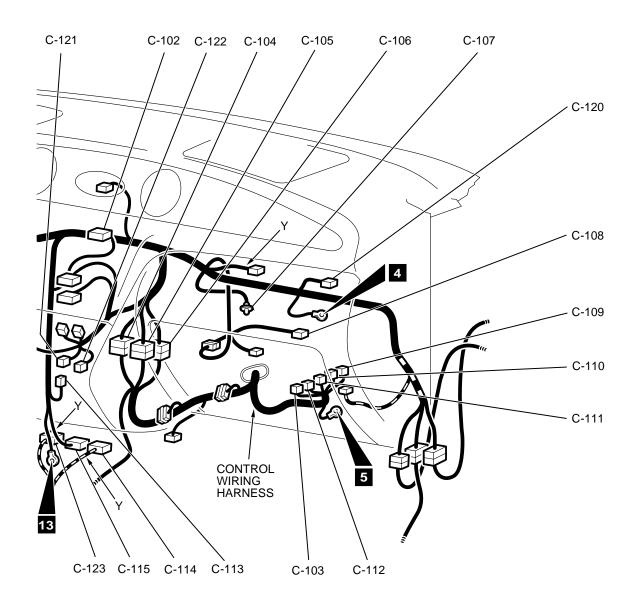
AC400328AC

INSTRUMENT PANEL WIRING HARNESS

C-101

6

C-101 C-102 C-103	(14)	STOPLIGHT SWITCH RADIO AND CD PLAYER POWERTRAIN CONTROL MODULE	C-106	(19-GR)	INSTRUMENT PANEL WIRING HARNESS AND CONTROL WIRING HARNESS COMBINATION
C-104	` ,	INSTRUMENT PANEL WIRING	C-107	(2)	GLOVE BOX LIGHT
	(/	HARNESS AND CONTROL WIRING	C-108	(7)	OUTSIDE/INSIDE AIR SELECTION
		HARNESS COMBINATION			DAMPER CONTROL MOTOR
C-105	(22)	INSTRUMENT PANEL WIRING	C-109	(27-GR)	POWERTRAIN CONTROL MODULE
	,	HARNESS AND CONTROL WIRING	C-110	(28-GR)	POWERTRAIN CONTROL MODULE
		HARNESS COMBINATION	C-111	(29-GR)	POWERTRAIN CONTROL MODULE



AC400329AC

C-112	(30-GR)	POWERTRAIN CONTROL MODULE	C-119	` ,	RHEOSTAT
C-113	(8)	IMMOBILIZER-ECU	C-120	(2)	CAPACITOR
C-114	(20-Y)	SRS-ECU	C-121	(3)	AIR BAG OFF INDICATOR LIGHT
C-115	(28-Y)	SRS-ECU			(PASSENGER'S SIDE)
C-116	(43)	FRONT WIRING HARNESS (LH)	C-122	(4)	SEAT BELT WARNING LIGHT
	, ,	AND INSTRUMENT PANEL WIRING			(PASSENGER'S SIDE)
		HARNESS COMBINATION	C-123	(20-Y)	SRS-ECU
C-117	(38)	INSTRUMENT PANEL WIRING			
	, ,	HARNESS AND FLOOR WIRING			
		HARNESS (LH) COMBINATION			
C-118	(32)	INSTRUMENT PANEL WIRING			

TSB Revision

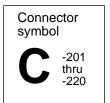
HARNESS AND FRONT DOOR

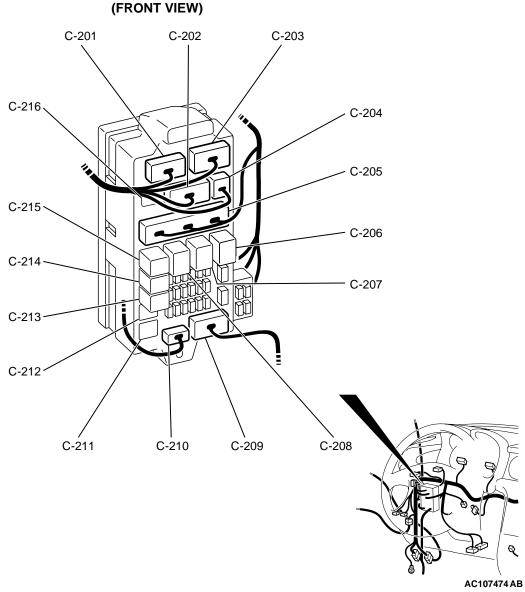
WIRING HARNESS (LH)

COMBINATION

JUNCTION BLOCK

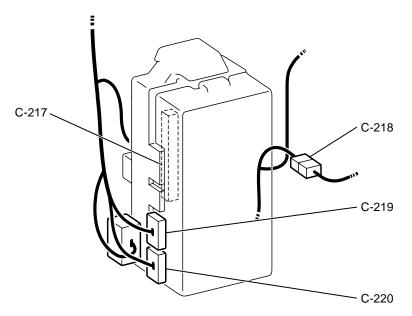
DASH PANEL (CONTINUED)





C-201 (13)	INSTRUMENT PANEL WIRING HARNESS AND JUNCTION BLOCK COMBINATION	C-205 (28)	INSTRUMENT PANEL WIRING HARNESS AND JUNCTION BLOCK COMBINATION
C-202 (14)	INSTRUMENT PANEL WIRING HARNESS AND JUNCTION BLOCK COMBINATION	C-206 (5) C-207 (5) C-208 (5)	DEFOGGER RELAY BLOWER RELAY POWER WINDOW RELAY
C-203 (6)	INSTRUMENT PANEL WIRING HARNESS AND JUNCTION BLOCK COMBINATION	C-209 (15)	FLOOR WIRING HARNESS (LH) AND JUNCTION BLOCK COMBINATION
C-204 (1-B)	INSTRUMENT PANEL WIRING HARNESS AND JUNCTION BLOCK COMBINATION	C-210 (3)	ROOF WIRING HARNESS AND JUNCTION BLOCK COMBINATION

JUNCTION BLOCK (REAR VIEW)



CONNECTOR COLOR

CODE
B: BLACK
BR: BROWN
G: GREEN
GR: GRAY
L: BLUE

NONE: MILK WHITE

O: ORANGE R: RED V: VIOLET Y: YELLOW

AC107475AI	В

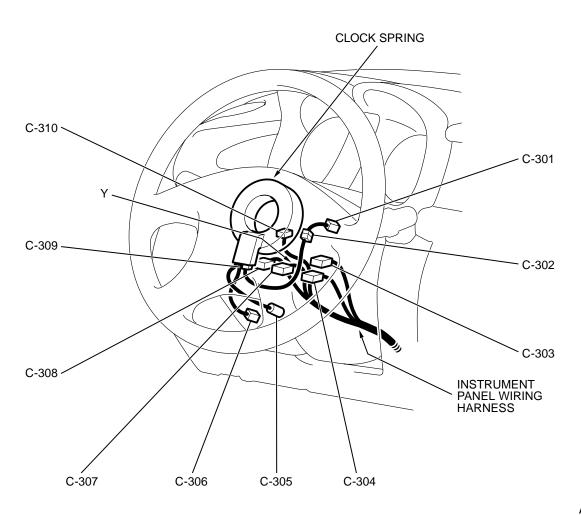
C-211	(4)	NO CONNECTION	C-217	(20)	ETACS-ECU
C-212	(4)	NO CONNECTION	C-218	(5)	INSTRUMENT PANEL WIRING
C-213	(4)	FUEL PUMP RELAY (2)			HARNESS AND ROOF WIRING
C-214	(4)	HEATED SEAT RELAY			HARNESS COMBINATION
C-215	(4)	FUEL PUMP RELAY (1)	C-219	(24-GR)	ETACS-ECU
C-216	(2)	NO CONNECTION	C-220	(24)	ETACS-ECU

DASH PANEL (CONTINUED)

Connector symbol



STEERING COLUMN



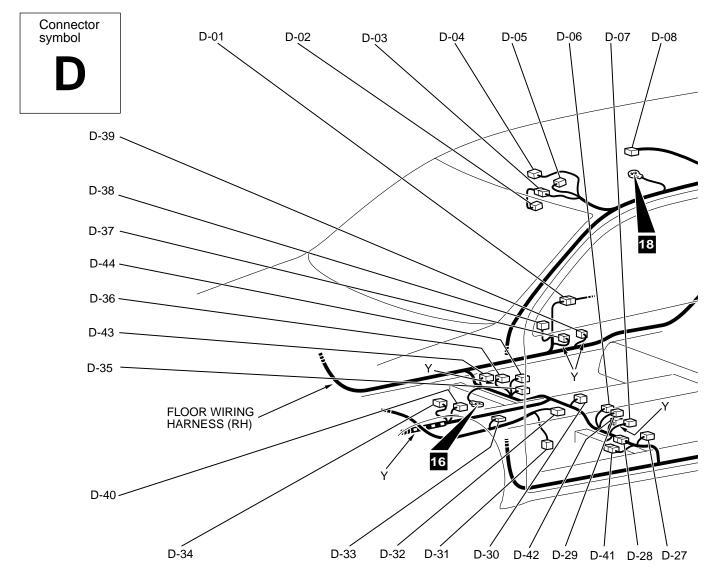
A C 4	07/	76	٨	D

C-301 (3) C-302 (3)	AUTO-CRUISE CONTROL SWITCH AUTO-CRUISE CONTROL SWITCH SUB HARNESS AND CLOCK SPRING WIRING HARNESS COMBINATION	C-306 (4-Y) C-307 (4-Y) C-308 (6) C-309 (5)	AIR BAG MODULE (SQUIB) (DRIVER'S SIDE) CLOCK SPRING CLOCK SPRING CLOCK SPRING AND CLOCK
C-303 (6)	IGNITION SWITCH	C-310 (10)	SPRING WIRING HARNESS
C-304 (7)	KEY REMINDER SWITCH		COMBINATION
C-305 (1)	HORN SWITCH		COLUMN SWITCH

NOTES

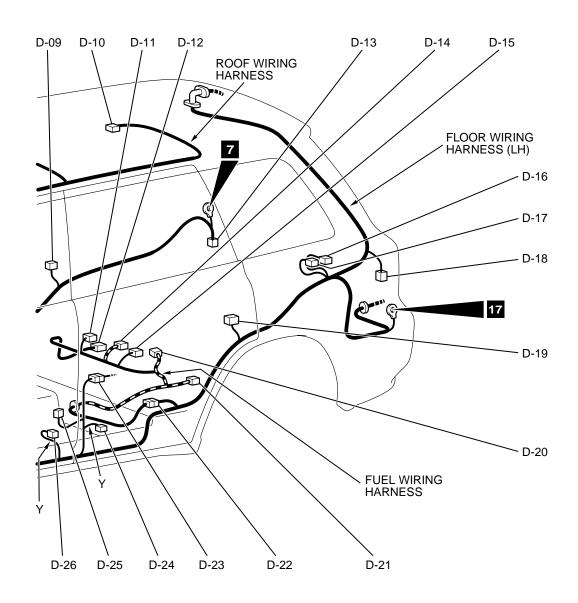
FLOOR AND ROOF

M1801000901007



AC400331AB

D-01	(10)	FLOOR WIRING HARNESS (RH) AND REAR DOOR WIRING	D-11	(2)	FUEL LEVEL SENSOR (SUB) <awd></awd>
D 00	(-)	HARNESS (RH) COMBINATION	D-12	(2-B)	WHEEL SPEED SENSOR (REAR:
D-02	(7)	INSIDE REAR VIEW MIRROR ASSEMBLY	D-13	(6)	RH) REAR COMBINATION LIGHT (RH)
D-03	(7)	INSIDE REAR VIEW MIRROR WIRING HARNESS AND ROOF	D-14	(3-B)	FUEL LEVEL SENSOR <fwd>, FUEL TANK TEMPERATURE</fwd>
		WIRING HARNESS COMBINATION			SENSOR <awd></awd>
D-04	(2)	FRONT DOME LIGHT	D-15	(5-GR)	FUEL PUMP MODULE <fwd>, FUEL</fwd>
D-05	(6-B)	SUNROOF SWITCH			PUMP MODULE AND FUEL LEVEL
D-06	(5)	SEAT BELT SWITCH (DRIVER'S			SENSOR (MAIN) <awd></awd>
	` ,	SIDE)	D-16	(1)	ACCESSORY SOCKET (1)
D-07	(2-R)	SIDE AIR BAG MODULE (SQUIB)	D-17	(1-B)	ACCESSORY SOCKET (1)
	` ,	(LH)	D-18	(6)	REAR COMBINATION LIGHT (LH)
D-08	(10)	SUNROOF MOTOR ASSEMBLY	D-19	(3)	REAR DOOR SWITCH (LH)
D-09	(3)	REAR DOOR SWITCH (RH)	D-20	(3-B)	FUEL TANK DIFFERENTIAL
D-10	(2-GR)	REAR DOME LIGHT			PRESSURE SENSOR



AC107478AB

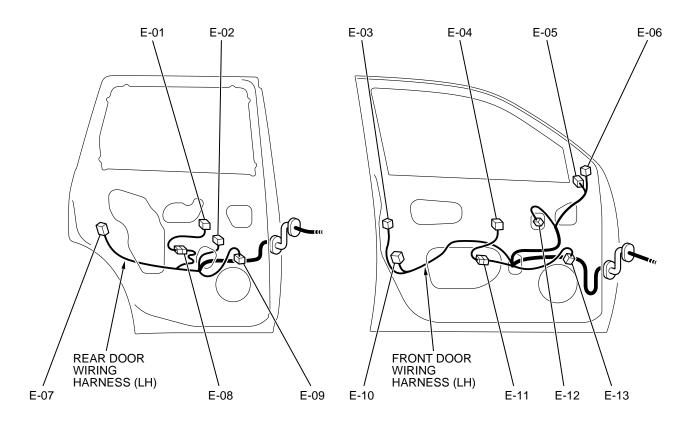
D-21	(2-B)	WHEEL SPEED SENSOR (REAR:	D-32	(3-B)	G SENSOR <abs-awd></abs-awd>
	,	LH)	D-33	(6)	SHIFT SWITCH ASSEMBLY
D-22	(13)	FLOOR WIRING HARNESS (LH)	D-34	(9)	HEATED SEAT SWITCH
	` ,	AND FUEL WIRING HARNESS	D-35	(3-B)	HEATED SEAT ASSEMBLY (RH)
		COMBINATION	D-36	(2-R)	SIDE AIR BAG MODULE (SQUIB)
D-23	(10)	FLOOR WIRING HARNESS (LH)			(RH)
	` ,	AND REAR DOOR WIRING \ ^	D-37	(2)	SIDE IMPACT SENSOR (RH)
		HARNESS (LH) COMBINATION	D-38	(3)	FRONT DOOR SWITCH (RH)
D-24	(2)	SIDE IMPACT SENSOR (LH)	D-39	(2-B)	SEAT BELT PRE-TENSIONER (RH)
D-25	(3)	FRONT DOOR SWITCH (LH)	D-40	(2)	ASHTRAY ILLUMINATION LIGHT
D-26	(2-B)	SEAT BELT PRE-TENSIONÉR (LH)	D-41	(4-B)	FLOOR WIRING HARNESS (RH)
D-27	(18)	AMPLIFIER			AND FLOOR WIRING HARNESS
D-28	(12-B)	FLOOR WIRING HARNESS (RH)			(LH) COMBINATION
	,	AND FLOOR WIRING HARNESS	D-42	(2-GR)	SEAT SLIDE SENSOR
		(LH) COMBINATION	D-43	(3-GR)	OCCUPANT CLASSIFICATION-ECU
D-29	(3-B)	HEATED SEAT ASSEMBLY (LH)	D-44	(3)	SEAT BELT SWITCH
D-30	(1-B)	PARKING BRAKE SWITCH `			(PASSENGER'S SIDE)
D-31	(4)	HEATED OXYGEN SENSOR (REAR)			
		· · · · · · · · · · · · · · · · · · ·			

DOOR

M1801001400994

Connector symbol

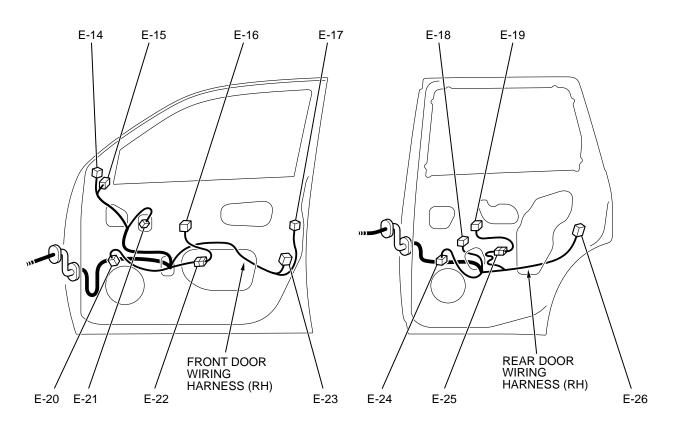
DRIVER'S SIDE



AC107479AB

E-01	(8)	POWER WINDOW SUB SWITCH (REAR: LH)	E-09 E-10	(2) (6-B)	REAR DOOR SPEAKER (LH) DOOR LOCK ACTUATOR (FRONT:
E-02	(2)	POWER WINDOW MOTOR (REAR: LH)	E-11	(16)	LH) FRONT DOOR WIRING HARNESS
E-03	(3-B)	DOOR LOCK KEY CYLINDER SWITCH (LH)			(LH) AND FRONT DOOR SUB WIRING HARNESS (LH)
E-04	(14)	POWER WINDOW MAIN SWITCH			COMBINATION
E-05	(7)	REMOTE CONTROLLED MIRROR (LH)	E-12	(6-GR)	POWER WINDOW MOTOR (FRONT: LH)
E-06	(2)	TWEETER (LH)	E-13	(2)	FRONT DOOR SPEAKER (LH)
E-07	(6-B)	DOOR LOCK ACTUATOR (REAR: LH)			
E-08	(8)	REAR DOOR WIRING HARNESS (LH) AND REAR DOOR SUB WIRING HARNESS (LH) COMBINATION			

PASSENGER'S SIDE

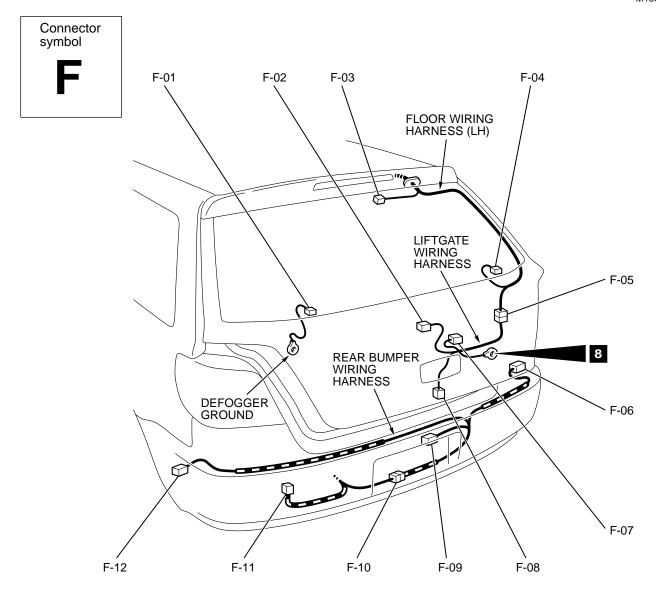


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E-14 E-15	(2) (7)	TWEETER (RH) REMOTE CONTROLLED MIRROR (RH)	E-22	(8)	FRONT DOOR WIRING HARNESS (RH) AND FRONT DOOR SUB WIRING HARNESS (RH)
E-16	(8)	POWER WINDOW SUB SWITCH (FRONT: RH)	E-23	(6-B)	COMBINATION DOOR LOCK ACTUATOR (FRONT:
E-17	(3-B)	DOOR LOCK KEY CYLINDER SWITCH (RH)	E-24	(2)	RH) REAR DOOR SPEAKER (RH)
E-18	(2)	POWER WINDOW MOTOR (REAR: RH)	E-25	(8)	REAR DOOR WIRING HARNESS (RH) AND REAR DOOR SUB
E-19	(8)	POWER WINDOW SUB SWITCH (REAR: RH)			WIRING HARNESS (RH) COMBINATION
E-20 E-21	(2) (6-GR)	FRONT DOOR SPEAKER (RH) POWER WINDOW MOTOR (FRONT: RH)	E-26	(6-B)	DOOR LOCK ACTUATOR (REAR: RH)

LIFTGATE

M1801001900449



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F-01	(1)	DEFOGGER (-)	F-08	(1-B)	LIFTGATE SWITCH
F-02	(4)	REAR WIPER MOTOR	F-09	(2)	LICENSE PLATE LIGHT
F-03	(2)	HIGH-MOUNTED STOPLIGHT	F-10	(4-GR)	FLOOR WIRING HARNESS (LH)
F-04	(1-B)	DEFOGGER (+)			AND REAR BUMPER WIRING
F-05	(10)	FLOOR WIRING HARNESS (LH)			HARNESS COMBINATION
	(- /	AND LIFTGATE WIRING HARNESS	F-11	(2-B)	EVAPORATIVE EMISSION
		COMBINATION			VENTILATION SOLENOID
F-06	(2-GR)	REAR SIDE MARKER LIGHT (RH)	F-12	(2-GR)	REAR SIDE MARKER LIGHT (LH)
F-07	(2-B)	LIFTGATE LOCK ACUTUATOR (

GROUP 52A

INTERIOR

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MARNING MARNING

Battery posts, terminals and related accessories contain lead and lead compounds. WASH HANDS AFTEŔ HANDLING.

WARNINGS REGARDING SERVICING OF SUPPLEMENTAL RESTRAINT SYSTEM (SRS) EQUIPPED VEHICLES

MARNING

- 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 and passenger (from rendering the SRS inoperative).

 Service or maintenance of any SRS component or SRS-related component must be performed only at an authorized MITSUBISHI dealer.
- 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.

The SRS includes the following components: SRS air bag control unit, SRS warning light, front impact sensors, air bag module, clock spring, and interconnecting wiring. Other SRS-related components (that may have to be removed/installed in connection with SRS service or maintenance) are indicated in the table of contents by an asterisk (*).

52A-2

INSIDE REAR VIEW MIRROR	52A-36	FRONT SEAT BELT	52A-49
REMOVAL AND INSTALLATION	52A-36	REMOVAL AND INSTARATION	52A-49
		INSPECTION	52A-50
FRONT SEAT ASSEMBLY	52A-38		
REMOVAL AND INSTALLATION	52A-38	REAR SEAT BELT	52A-50
INSPECTION	52A-40	REMOVAL AND INSTALLATION	52A-50
DISASSEMBLY AND ASSEMBLY	52A-41		
		SPECIFICATIONS	52A-51
REAR SEAT ASSEMBLY	52A-45	FASTENER TIGHTENING	
REMOVAL AND INSTALLATION	52A-45	SPECIFICATION	52A-51
DISASSEMBLY AND ASSEMBLY	52A-47		

M1521000100173

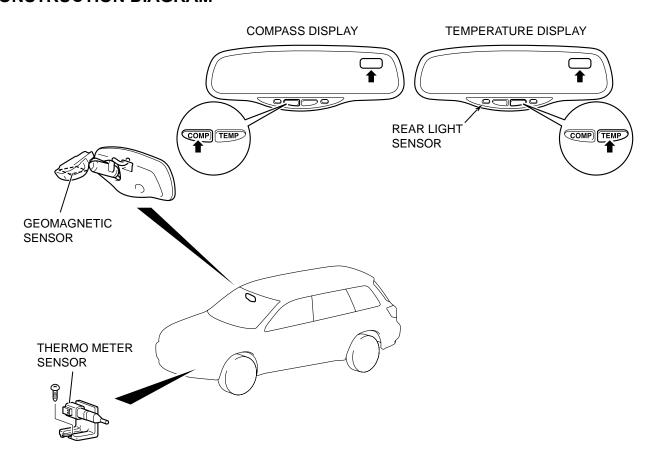
GENERAL DESCRIPTION

OPERATION

Inside rear view mirror with compass and temperature display

- The compass direction or temperature will appear on the upper right of the mirror when the switch at the center of the inside rear view mirror is pressed.
- The compass detects the vehicle direction with the geomagnetic sensor built in the inside rear view mirror, and displays eight directions with the LCD.
- The ambient air temperature meter calculates the information from the thermo meter sensor, and displays the temperature with the LCD.

INSIDE REAR VIEW MIRROR WITH COMPASS AND TEMPERATURE DISPLAY CONSTRUCTION DIAGRAM



AC200085AB

COMPASS AND TEMPERATURE DISPLAY DIAGNOSIS

INTRODUCTION TO COMPASS AND TEMPRATURE DISPLAY DIAGNOSIS

M1521004200053

If the compass and temperature do not function, there may be trouble in the electrical system, or the calibration of the compass may be faulty.

COMPASS AND TEMPERATURE DISPLAY DIAGNOSTIC TROUBLESHOOTING STRATEGY

M1521003200038

Use these steps to plan your diagnostic strategy. If you follow them carefully, you will be sure that you have exhausted most of the possible ways to find a inside rear view mirror with compass and temperature display fault.

1. Gather information from the customer.

- 2. Verify that the condition described by the customer exists.
- 3. Find the malfunction by following the Symptom Chart.
- 4. Verify malfunction is eliminated.

SYMPTOM CHART

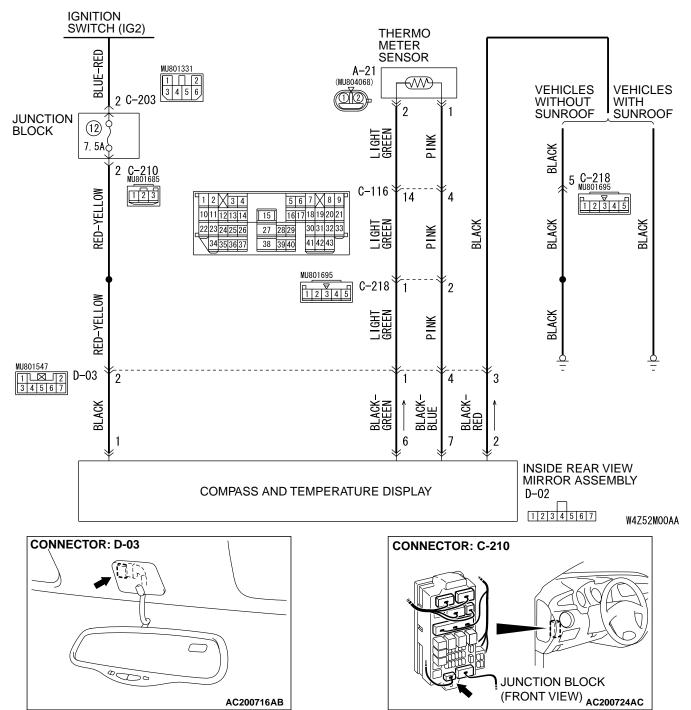
M1521003500147

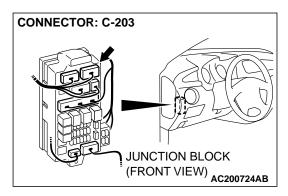
SYMPTOMS	INSPECTION PROCEDURE NO.	REFERENCE PAGE
There is no display.	1	P.52A-5
The vehicle direction displayed on the compass is incorrect.	2	P.52A-11
The compass cannot be calibrated.	3	P.52A-11
There is a discrepancy between the actual ambient air temperature and displayed temperature, or an error (CS, OS) displays.	4	P.52A-12

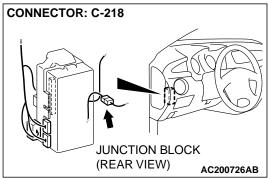
SYMPTOM PROCEDURES

INSPECTION PROCEDURE 1: There is no Display.

Ambient Air Temperature Meter and Electronic Compass Circuit





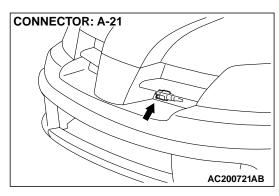


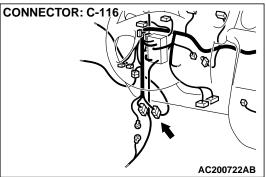
CIRCUIT OPERATION

The power is constantly supplied to the inside rear view mirror (with compass and temperature display).

TECHNICAL DESCRIPTION (COMMENT)

The inside rear view mirror (with compass and temperature display), harness, or connector may be defective.



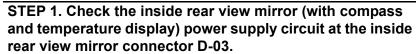


TROUBLESHOOTING HINTS

- Malfunction of the inside rear view mirror (with compass and temperature display)
- · Damaged harness or connector

52A-7

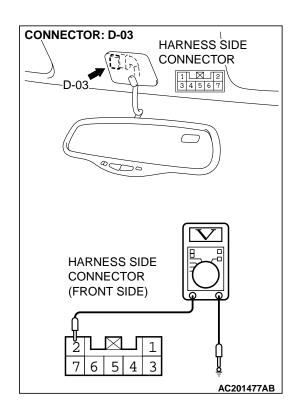
DIAGNOSIS



- (1) Remove the inside rear view mirror. Refer to P.52A-36.
- (2) Disconnect the inside rear view mirror connector D-03.
- (3) Turn the ignition switch to the "ON" position.
- (4) Check at inside rear view mirror harness side connector (front side) D-03.
- (5) Measure the voltage between terminal number 2 and ground.
 - · Voltage should measure 9 volts or more

Q: Is the voltage between terminal number 2 and ground 9 volts or more?

YES: Go to Step 4. NO: Go to Step 2.

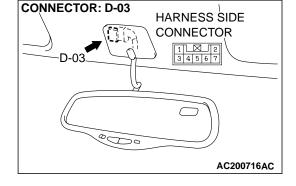


STEP 2. Check the inside rear view mirror connector D-03 connector for damage.

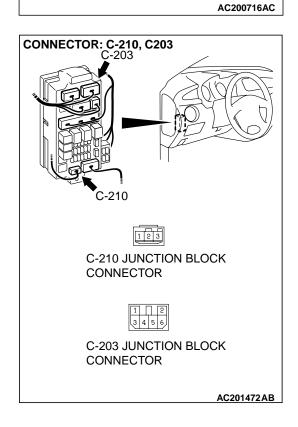
Q: Is the inside rear view mirror connector D-03 is good condition?

YES: Go to Step 3.

NO: Repair or replace the connector. Go to Step 7.



STEP 3. Check the wiring harness between the inside rear view mirror connector D-03 and ignition switch (IG2).

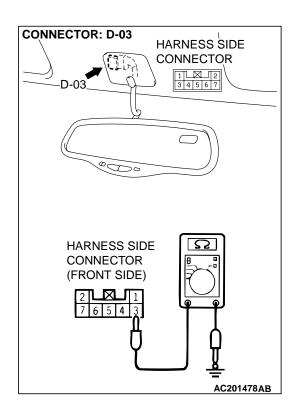


NOTE: Also check junction block connectors C-210 and C-203. If junction block connectors C-210 or C-203 is damaged, repair or replace the connector. Refer to GROUP 00E, Harness Connector Inspection P.00E-2.

Q: Is the wiring harness between inside rear view mirror connector D-03 and ignition switch (IG2) in good condition?

YES: Go to Step 6.

NO: Repair the connector. Then go to Step 7.

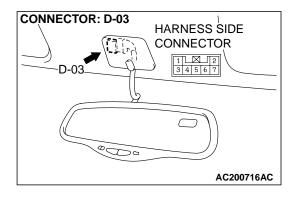


STEP 4. Check the inside rear view mirror ground circuit at the inside rear view mirror connector D-03.

- (1) Remove the inside rear view mirror. Refer to P.52A-36.
- (2) Disconnect the inside rear view mirror connector D-03.
- (3) Check at inside rear view mirror harness side connector (front side) D-03.

Q: Is the resistance between terminal 3 and ground less than 2 ohms?

YES: Go to Step 7. NO: Go to Step 5.

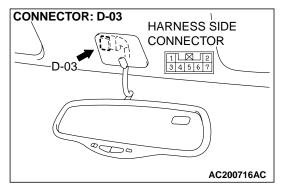


STEP 5. Check the inside rear view mirror connector D-03 connector for damage.

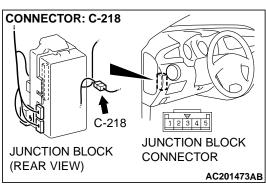
Q: Is the inside rear view mirror connector D-03 in good condition?

YES: Go to Step 6.

NO: Repair or replace the connector. Go to Step 7.



STEP 6. Check the wiring harness between inside rear view mirror D-03 and ground.



NOTE: Also check intermediate connector C-218. If intermediate connector C-218 is damaged. If intermediate connector C-218 is damaged, repair or replace the connector. Refer to GROUP 00E, Harness connector inspection P.00E-2.

Q: Is the wiring harness between inside rear view mirror connector D-03 and ground in good condition?

YES: Replace the inside rear view mirror. Refer to P.52A-36. Then go to Step 7.

NO: Repair the wiring harness. Then go to Step 7.

STEP 7. Check the symptoms

Q: Does the outside temperature meter and electronic compass display values normally?

YES: The procedure is complete. (If no malfunctions are found in all steps, an intermittent malfunction is suspected. Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points – How to Cope with Intermittent Malfunction P.00-14.)

NO: Return to Step 1.

INSPECTION PROCEDURE 2: The vehicle Direction displayed on the compass is incorrect.

OUTSIDE TEMPERATURE METER ELECTRONIC COMPASS CIRCUIT

Refer to P.52A-5.

CIRCUIT OPERATION

The vehicle direction is displayed by the output of the geomagnetic sensor built into the outside temperature meter and electronic compass.

TECHNICAL DESCRIPTION (COMMENT)

The vehicle magnetism tends to be disturbed particularly at such places as tunnel, railway crossing, area along railway, elevated road, urban area crowded with high-storied buildings, area above subway, etc. If disturbed, the driving direction marker will fluctuate.

TROUBLESHOOTING HINTS

The calibration of the compass or compass variance failed.

DIAGNOSIS

The calibration of the compass or compass variance P.52A-15P.52A-16.

INSPECTION PROCEDURE 3: The Compass Cannot be Calibrated.

OUTSIDE TEMPERATURE METER ELECTRONIC COMPASS CIRCUIT

Refer to P.52A-5.

CIRCUIT OPERATION

Refer to P.52A-5.

TECHNICAL DESCRIPTION (COMMENT)

The inside rear view mirror may be defective.

TROUBLE SHOOTING HINTS

Malfunction of the inside rear view mirror.

DIAGNOSIS

Try to calibrate the compass at another location.

- 1. Move the vehicle to a wide, flat location.
- 2. Try again to calibrate the compass.

NOTE: If the calibration is correct, the following causes can be assumed.

- Calibration is difficult due to the magnet direction and direction of the vehicle at the start of calibration.
- There is a disturbing magnetic field in the area.

If the calibration is correct, check that the malfunction is eliminated.

If the calibration is incorrect, replace the inside rear view mirror P.52A-36. Then, check that the malfunction is eliminated.

INSPECTION PROCEDURE 4: There is a Discrepancy Between the Actual Ambient Air Temperature and Displayed Temperature, or an Error (CS, OS) Displays.

OUTSIDE TEMPERATURE METER ELECTRONIC COMPASS CIRCUIT

Refer to P.52A-5.

CIRCUIT OPERATION

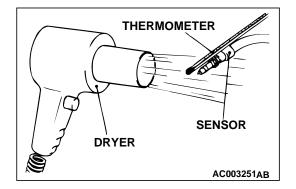
A thermistor is used for the thermo meter sensor.
 The resistance value fluctuate according to ambient air temperature. The inside rear view mirror calculates ambient air temperature according to the changes in this resistance value, and displays it on the inside rear view mirror.

TECHNICAL DESCRIPTION (COMMENT)

The thermo meter sensor, inside rear view mirror harness, or connector may be defective.

TROUBLESHOOTING HINTS

- Malfunction of the thermo meter sensor
- Malfunction of the inside rear view mirror
- Damaged harness or connector



DIAGNOSIS

STEP 1. Check the thermo meter sensor internal resistance.

- 1. Remove the thermo meter sensor. Refer to P.51-10.
- 2.Check the internal resistance of the thermo meter sensor are at the standard values at temperature of 20°C (68°F) and 40°C (104°F).

Standard value:

Approximately 1,200 Ω [at 20 $^{\circ}$ C (68 $^{\circ}$ F)] Approximately 500 Ω [at 40 $^{\circ}$ C (104 $^{\circ}$ F)]

Q: Does the thermo meter sensor resistance meet standard values above?

YES: Go to Step 2.

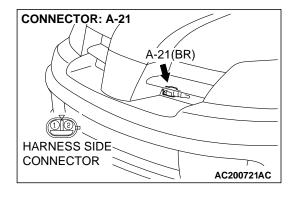
NO: Replace the thermo meter sensor. Then go to Step 6.

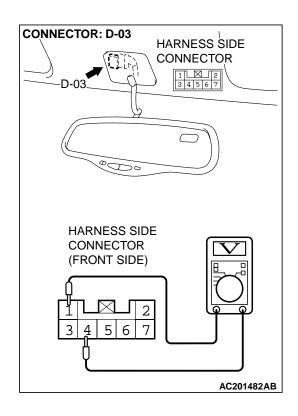
STEP 2. Check connector A-21 at the thermo meter sensor for damage.

Q: Is connector A-21 in good condition?

YES: Go to Step 3.

NO: Repair or replace the connector. Then go to Step 6.





STEP 3. Check the input signal from the thermo meter sensor.

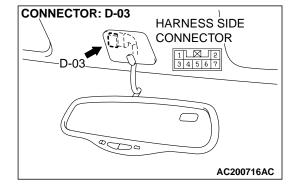
- (1) Remove the inside rear view mirror. Refer to P.52A-36.
- (2) Measure voltage from the rear side of the harness connector D-03 with the connector connected.
- (3) Turn the ignition switch to the "ON" position.
- (4) Measure voltage between terminal number 1 and number 4 when the thermo meter sensor is at the following temperatures.
 - Voltage should measure approximately 2.90 volts [when 0°C (32 °F) is displayed]
 - Voltage should measure approximately 1.86 volts [when 20°C (68 °F) is displayed]
 - Voltage should measure approximately 1.10 volts [when 40°C (104 °F) is displayed]

Q: Does the voltage between terminal number 1 and number 4 meet the above values?

YES: Replace the inside rear view mirror. Refer to

P.52A-36. Then go to Step 6.

NO: Go to Step 4.

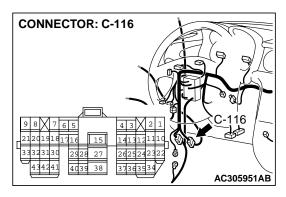


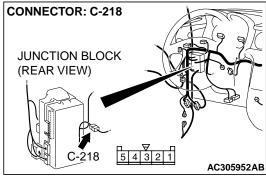
STEP 4. Check the inside rear view mirror connector D-03 for damage.

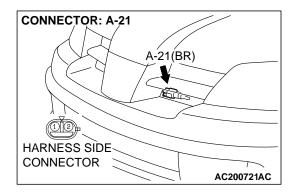
Q: Is inside rear view mirror connector D-03 in good condition?

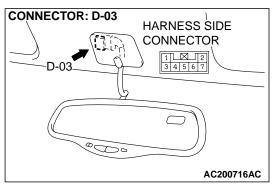
YES: Go to Step 5.

NO: Repair or replace the connector. Then go to Step 6.









STEP 5. Check the wiring harness between thermo meter sensor connector A-21 and inside rear view mirror connector D-03.

NOTE: Also check intermediate connector C-218 and C-116. If intermediate connector C-218 or C-116 is damaged, repair or replace the connector. Refer to GROUP 00E, Harness Connector Inspection P.00E-2.

Q: Is the wiring harness between thermo meter sensor connector A-21 and inside rear view mirror connector D-03 in good condition?

YES: Go to Step 6.

NO: Repair the wiring harness. Then go to Step 6.

STEP 6. Retest the system.

Q: Is there any discrepancy between the actual ambient air temperature and displayed temperature, or is any error (CS, OS) displayed?

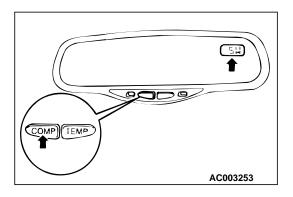
YES: The procedure is complete.(If no malfunctions are found in all steps, an intermittent malfunction is suspected. Refer to GROUP 00, How to Use Troubleshooting/Inspection Service Points – How to Cope with Intermittent Malfunction P.00-14).

NO: Return to Step 1

ON-VEHICLE SERVICE

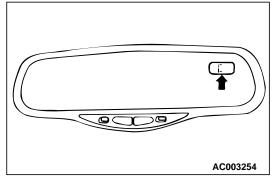
PROCEDURES FOR CALIBRATING THE COMPASS

M1521007600016

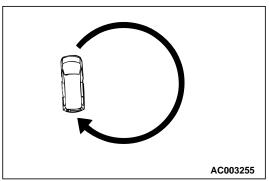


1. Press the "COMP" button. The visual display is now in compass mode and the vehicle's directional heading (N, NE, E, SE, S, SW, W and NW) will be displayed.

Pressing the "COMP" button a second time will turn off the visual display.



2. If the display reads "C," there may be a strong magnetic field interfering with the compass. In this case, the compass may need calibration.



3. Drive the vehicle in a circle at about 5 mph (8km/h) or less until the display reads a direction.

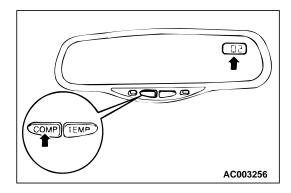
PROCESSES FOR ADJUSTING THE COMPASS VARIANCE

M1521007700013

1. Under certain circumstances, such as during a long distance cross-country trip, it will be necessary to adjust for compass variance.

Compass variance is the difference between earth's magnetic north and true geographic north. If not adjusted to account for compass variance, the compass could give false readings.

2. Press the "COMP" button for more than 3 seconds. The current zone number will appear in the display.



- 3. Find the current location and variance zone number on the map on the left.
- 4. Press the "COMP" button until the new zone number appears in the display.

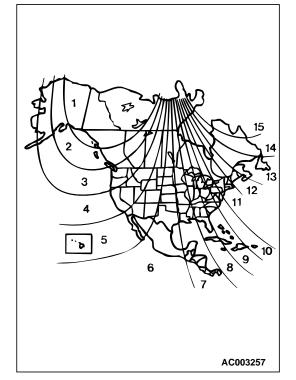
After you stop pressing the button in, the display will show a compass direction within a few seconds.

NOTE: Do not install a ski rack, antenna, etc. which are attached to the vehicle by means of a magnet. They affect the operation of the compass.

NOTE: The compass may not indicate the correct compass point in the places shown below:

- Tunnels
- · Areas along he railroad
- Underpass
- Transforming station
- Area with many office buildings
- Area over the subway
- Up or down a steep hill

The compass returns to the correct compass point when the vehicle moves to an area where the geomagnetism in stabilized.

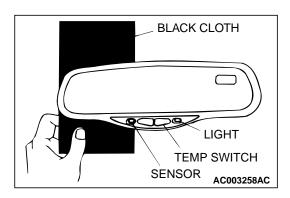


AUTO-DIMMING FEATURE TEST

M1521007800010

 Be sure the ignition is on and that the mirror is on. The green LED light to the right of the main display switch will be lit when the mirror is on. If it's not, depress the "TEMP" side of the main display switch for 15 seconds.

INTERIOR SPECIAL TOOL



- 2. Cover the forward-facing light sensor on the back of the mirror with a black cloth.
- 3. While in a well-lit area, make sure light strikes the sensor on the front of the mirror, simulating glare from vehicles behind you. The mirror will dim within 2 minutes if the testing for the first time. If the mirror does not dim, replace the inside rear view mirror P.52A-36.

SPECIAL TOOL

M1521000600167

TOOL	TOOL NUMBER AND NAME	SUPERSESSION	APPLICATION
MB990784	MB990784 Ornament remover	General service tool	Removal of switch, trim, etc.

INSTRUMENT PANEL ASSEMBLY

REMOVAL AND INSTALLATION

M1521001700617

MARNING

For removal and installation of the passenger's side air bag module, always observe the service procedures described in GROUP 52B, Air Bag Module and Clock Spring P.52B-360.

The following bolts and screws are used for installing the instrument panel. Bolts and screws are indicated as marks shown in the illustration in the sections of "Removal and Installation" and "Disassembly and Assembly."

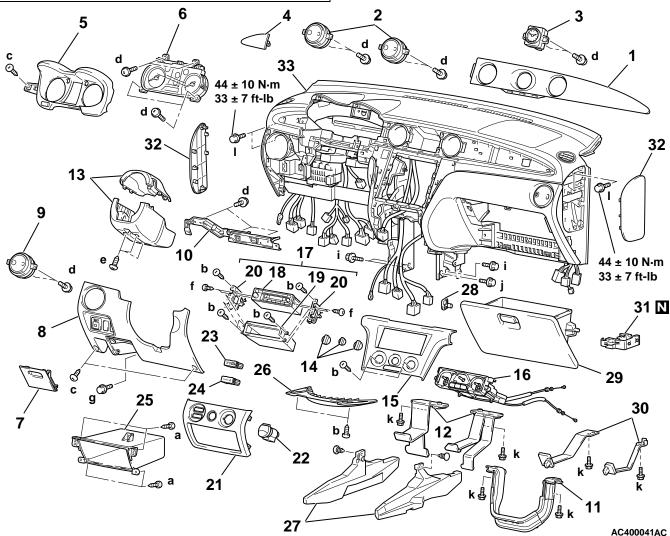
NAME	SYMBOL	SIZE (D × L) mm	COLOR	SHAPE
TAPPING SCREW	а	5 × 12	-	1
	b	5 × 16	-	
	С	5 × 16	BLACK	AC104450
	d	5 × 12	-	A.
	е	5 × 20	-	() mmn
MACHINE FLANGE SCREW	f	5 × 8	-	AC104436
WASHER ASSEMBLY BOLT	g	6 × 16	-	AC104417
	h	5 × 20 (EARTH)	-	Call Call
	i	6 × 16	-	
	j	6 × 16 (EARTH)	-	AC104416
	k	8 × 20	-	
	I	10 × 60	-	AC200304

⚠ CAUTION

- Refer to GROUP 52B-SRS Service Precautions P.52B-30 and Air bag Module and Clock Spring P.52B-360 before removing the passenger side air bag module.
- Do not subject the SRS-ECU to any shocks when removing or installing the instrument panel.

Pre-removal and Post-installation Operation

- Removal and Installation of Front Floor Console (Refer to P.52A-24).
- Removal and Installation of Steering Wheel and Air Bag Module Assembly (Refer to GROUP 37, Steering Wheel P.37-22).



REMOVAL STEPS

- INSTRUMENT PANEL CLOCK GARNISH
- 2. INSTRUMENT PANEL AIR OUTLET (CENTER)
- 3. CLOCK
- INSTRUMENT PANEL DRIVER'S <<A>>>
 SIDE GARNISH
- 5. METER BEZEL
- 6. COMBINATION METER
- HOOD LOCK RELEASE HANDLE (REFER TO GROUP 42, HOOD P.42-7).

REMOVAL STEPS (Continued)

- 7. INSTRUMENT PANEL PARCEL BOX
- FLOOR HARNESS (RH) AND JUNCTION BLOCK CONNECTION
- 8. INSTRUMENT LOWER PANEL
- 9. INSTRUMENT PANEL AIR OUTLET (LH)
- 10. INSTRUMENT LOWER PANEL BRACKET
- 11. INSTRUMENT PANEL DRIVER SIDE BRACKET

<<A>>>

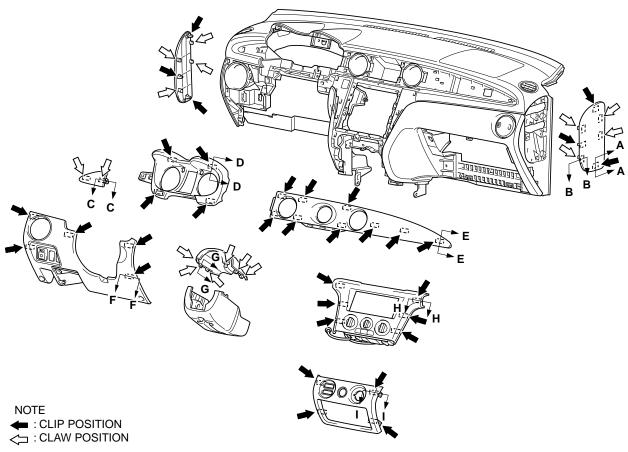
REMOVAL STEPS (Continued)

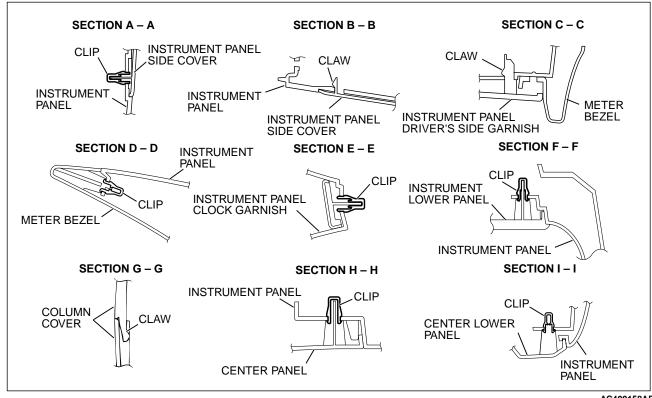
- 12. KNEE ABSORBER (DRIVER'S SIDE)
- 13. COLUMN COVER
- AIR MIX DOOR CABLE, BLOW VENT CHANGEOVER DAMPER CABLE CONNECTION (REFER TO GROUP 55, HEATER CONTROL ASSEMBLY AND A/C SWITCH P.55-83).
- 14. KNOB

>>A<<

- 15. CENTER PANEL
- MANUAL AIR CONDITIONER CONTROL PANEL
- 17. AUDIO AND BOX ASSEMBLY
- 18. AUDIO
- 19. BOX
- 20. RADIO BRACKET
- 21. CENTER LOWER PANEL
- 22. ACCESSORY SOCKET
- 23. AIR BAG CUT-OFF SWITCH INDICATOR
- 24. SEAT BELT INDICATOR
- 25. CENTER LOWER BOX
- 26. CENTER LOWER COVER
- FRONT SCUFF PLATE, COWL SIDE TRIM (REFER TO P.52A-26).
- 27. BACK BONE SPACER
- 28. GLOVE BOX STOPPER
- 29. GLOVE BOX
- 30. KNEE ABSORBER (PASSENGER'S SIDE)
- 31. CONNECTOR BLOCK
- 32. INSTRUMENT PANEL SIDE COVER
- DIN CABLE CLAMP <VEHICLE WITH AMPLIFIER>
- ROOF HARNESS CONNECTION
- INSTRUMENT PANEL HARNESS EARTH CONNECTION
- INSTRUMENT PANEL AND BODY HARNESS CONNECTION
- STEERING SHAFT HARNESS CONNECTOR AND CLAMP
- STOPLIGHT SWITCH HARNESS CONNECTOR (REFER TO GROUP 35A, BRAKE PEDAL P.35A-24).
- SRS-ECU HARNESS
 CONNECTOR (REFER TO
 GROUP 52B, SRS CONTROL
 UNIT (SRS-ECU) P.52B-357).
- SHIFT LOCK CABLE CLAMP
- STEERING SHAFT INSTALLATION BOLT (REFER TO GROUP 37, STEERING GEAR SHAFT ASSEMBLY P.37-24).
- 33. INSTRUMENT PANEL ASSÉMBLY

CLIP AND CLAW POSITIONS



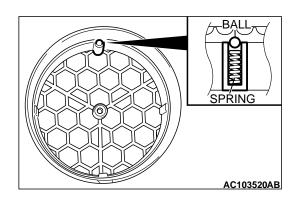


AC400158AB



<<A>> INSTRUMENT PANEL AIR OUTLET REMOVAL

The instrument panel air outlet may remain on the instrument panel side when disassembling the lower panel of the instrument panel and the instrument panel garnish. Carefully disassemble the parts remaining on the instrument panel side to prevent the ball and spring from falling. Assemble the ball and spring according to the figure to the left if they fall off.

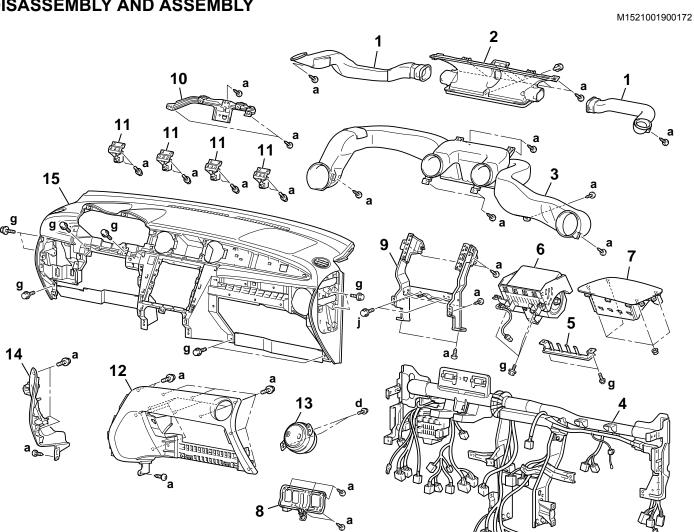


INSTALLATION SERVICE

>>A<< CENTER PANEL ASSEMBLY INSTALLATION

Air mix door cable and blow vent changeover damper cable connection (Refer to GROUP 55, Heater Control Assembly and A/C Switch P.55-83).

DISASSEMBLY AND ASSEMBLY



AC106180AB

DISASSEMBLY STEPS

- SIDE DEFROSTER DUCT 1.
- 2. **DEFROSTER NOZZLE ASSEMBLY**
- 3. **DISTRIBUTION DUCT**
- 4. FRONT DECK CROSSMEMBER
- PASSENGER'S SIDE AIR BAG MODULE BRACKET
- 6. PASSENGER'S SIDE AIR BAG **MODULE**
- 7. PASSENGER'S SIDE AIR BAG **MODULE COVER**
- 8. **GLOVE BOX STRIKER**

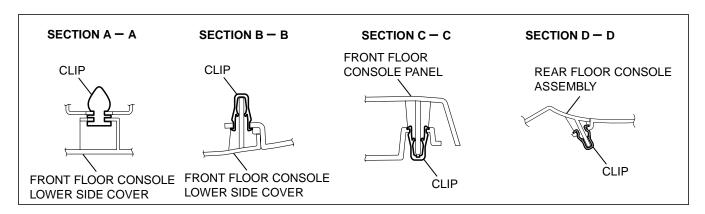
DISASSEMBLY STEPS

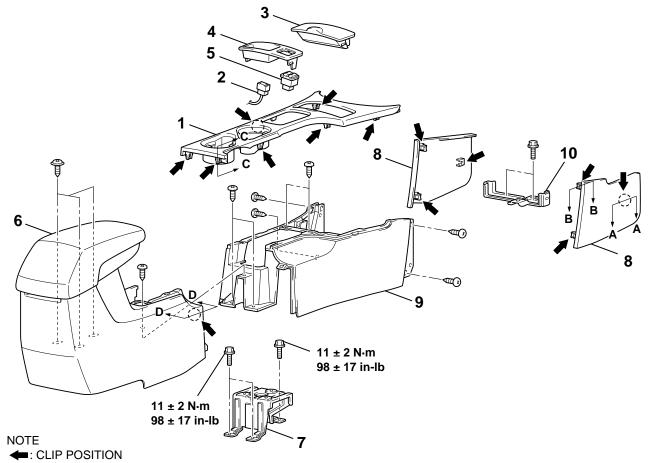
- **INSTRUMENT PANEL** REINFORCEMENT
- 10. METER BRACKET
- 11. INSTRUMENT PANEL HOLDER
- 12. INSTRUMENT PANEL UNDER COVER PASSENGER'S SIDE
- 13. SIDE AIR OUTLET ASSEMBLY (RH)
- 14. CENTER COVER DRIVER'S SIDE
- **INSTRUMENT PANEL HARNESS** CONNECTOR CLAMP
- 15. INSTRUMENT PANEL

FLOOR CONSOLE ASSEMBLY

REMOVAL AND INSTALLATION

M1521002200143





REMOVAL STEPS

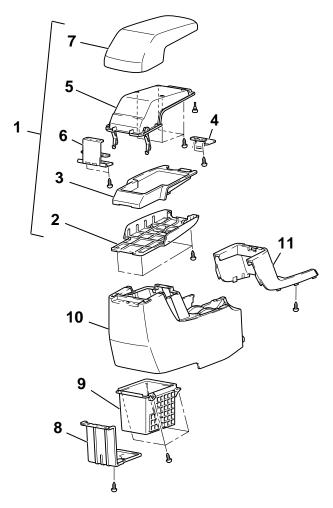
- 1. FRONT FLOOR CONSOLE PANEL
- HARNESS CONNECTOR <VEHICLE WITH HEATED SEAT>
- 3. TRAY ASSEMBLY < VEHICLE WITHOUT HEATED SEAT>
- HEATED SEAT SWITCH TRAY <VEHICLE WITH HEATED SEAT>
- 5. HEATED SEAT SWITCH <VEHICLE WITH HEATED SEAT>

AC200402AB

- **REMOVAL STEPS (Continued)**
- REAR FLOOR CONSOLE **ASSEMBLY**
- REAR FLOOR CONSOLE **BRACKET**
- FRONT FLOOR CONSOLE LOWER SIDE COVER
- FRONT FLOOR CONSOLE
- 10. FRONT FLOOR CONSOLE **BRACKET**

DISASSEMBLY AND ASSEMBLY

M1521002400039



AC106397AH

DISASSEMBLY STEPS

- 1. LID ASSEMBLY
- 2. TRAY OUTER
- 3. TRAY INNER
- 4. LOCK KNOB
- 5. LID INNER
- 6. HINGE ASSEMBLY

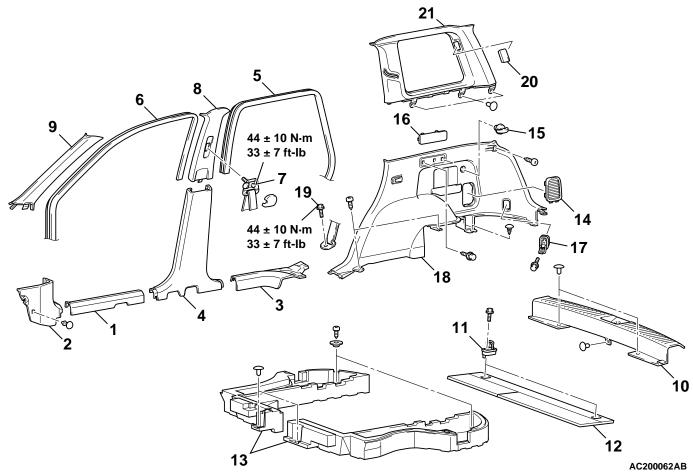
DISASSEMBLY STEPS

- 7. LID COVER
- 8. HINGE SUPPORT BRACKET
- 9. REAR CONSOLE BOX
- 10. REAR CONSOLE
- 11. REAR CONSOLE PANEL

TRIMS

REMOVAL AND INSTALLATION

M1521001100422

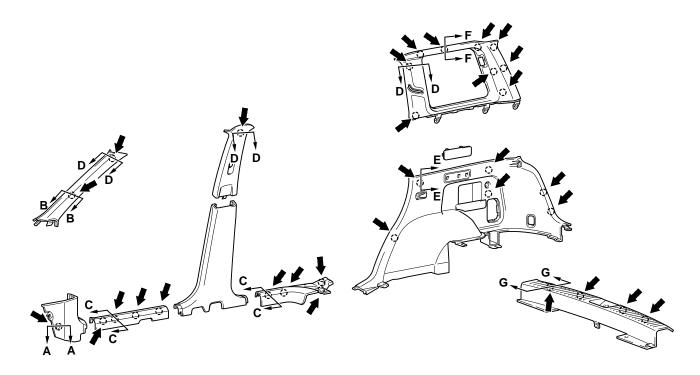


- FRONT SCUFF PLATE
- 2. COWL SIDE TRIM
- REAR SEAT CUSHION (REFER TO P.52A-45).
- 3. REAR SCUFF PLATE
- 4. CENTER PILLAR TRIM LOWER
- 5. REAR DOOR OPENING TRIM
- 6. FRONT DOOR OPENING TRIM
- 7. FRONT SEAT BELT SHOULDER ANCHOR BOLT
- 8. CENTER PILLAR TRIM UPPER
- 9. FRONT PILLAR TRIM
- 10. REAR END TRIM

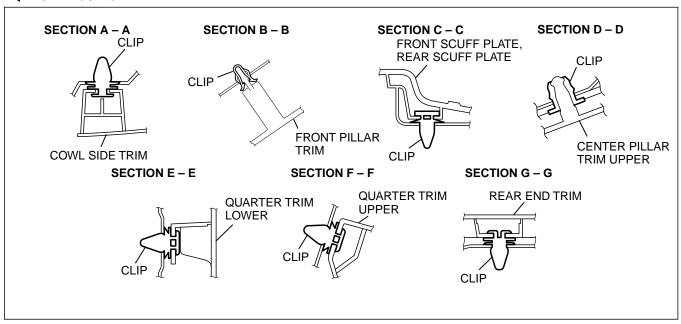
- 11. PARCEL STRAP HOOK B
- 12. REAR SEAT BOARD
- 13. LUGGAGE FLOOR BOX
- 14. VENTILATION CAP
- 15. CONVENIENCE HOOK
- 16. QUARTER TRIM CAP <VEHICLE WITHOUT TONNEAU COVER>
- 17. PARCEL STRAP HOOK A
- 18. QUARTER TRIM LOWER
- 19. REAR SEAT BELT LOWER ANCHOR BOLT
- 20. QUARTER TRIM UPPER CAP
- 21. QUARTER TRIM UPPER

<<A>>>

CLIP AND CLAW POSITION





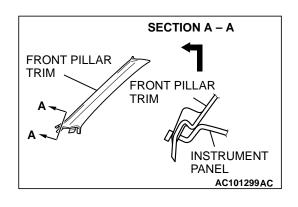


AC305340 AC

REMOVAL SERVICE POINT

<<A>> FRONT PILLAR TRIM REMOVAL

Unclip the front pillar trim and slide out it in the direction shown.

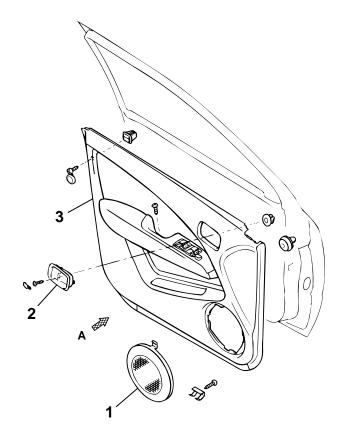


DOOR TRIM

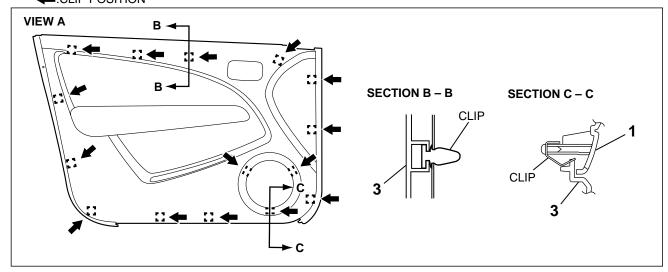
REMOVAL AND INSTALLATION

M1521006400343

<FRONT DOOR TRIM>



NOTE ←:CLIP POSITION



AC106408AB

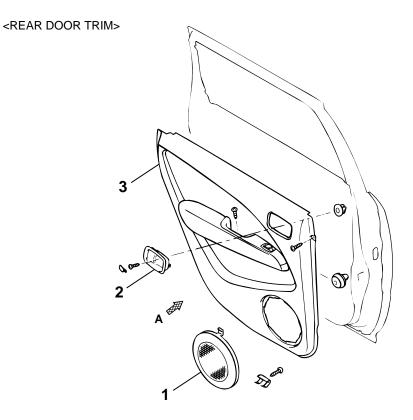
REMOVAL STEPS

- 1. SPEAKER GARNISH
- 2. DOOR INSIDE HANDLE COVER
- DELTA COVER (REFER TO GROUP 51, DOOR MIRROR P.51-64).
- 3. DOOR TRIM ASSEMBLY

Required Special Tool:

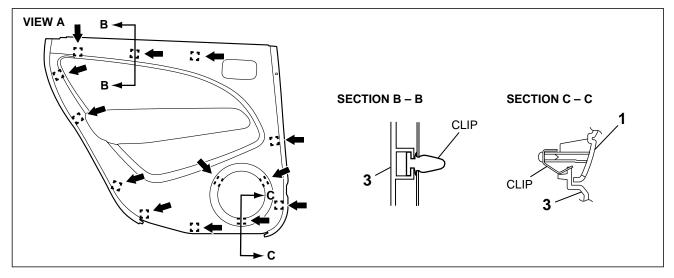
• MB990784: Ornament Remover

<<A>>>



NOTE

←: CLIP POSITION



AC106406AB

REMOVAL STEPS

- 1. SPEAKER GARNISH
- 2. DOOR INSIDE HANDLE COVER
- 3. DOOR TRIM ASSEMBLY

Required Special Tool:

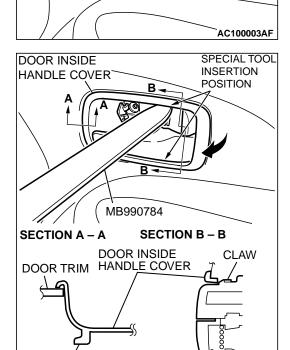
• MB990784: Ornament Remover

<<A>>>

REMOVAL SERVICE POINT

<<A>> DOOR INSIDE HANDLE COVER REMOVAL

- 1. Insert a flat-tipped screwdriver into the back end of the tapping screw cap of the door inside handle cover.
- 2. Try the screwdriver in the direction of the arrow. Remove the cap, then remove the tapping screw.



DOOR INSIDE HANDLE COVER

AC100004AD

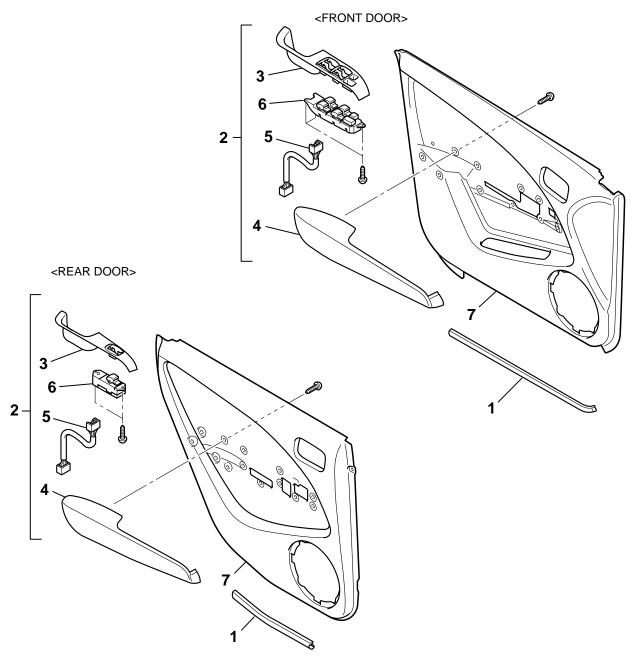
CLAW

TAPPING SCREW CAP

- Insert a special tool MB990784 in the gap between the door inside handle cover and door inside handle in the area shown. Then remove the thumb clamp of the door inside handle cover and door inside handle.
- 4. Insert a special tool from the back end of the door inside handle cover to lift it in the direction of the arrow. Then remove the door inside handle cover.

DISASSEMBLY AND ASSEMBLY

M1521006900036



AC200071AB

DISASSEMBLY STEPS

- 1. DOOR WEATHERSTRIP
- 2. ARM REST ASSEMBLY
- 3. POWER WINDOW SWITCH PANEL ASSEMBLY
- 4. ARM REST

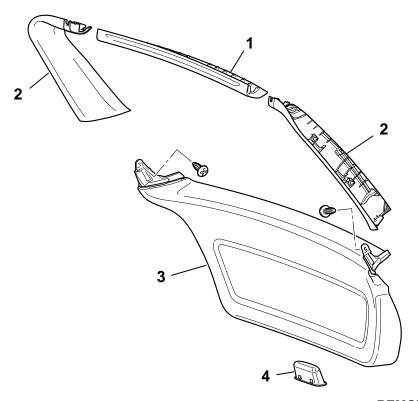
DISASSEMBLY STEPS

- 5. DOOR HARNESS
- 6. POWER WINDOW SWITCH
- 7. DOOR TRIM

LIFTGATE TRIM

REMOVAL AND INSTALLATION

M1521008000062



AC313813 AD

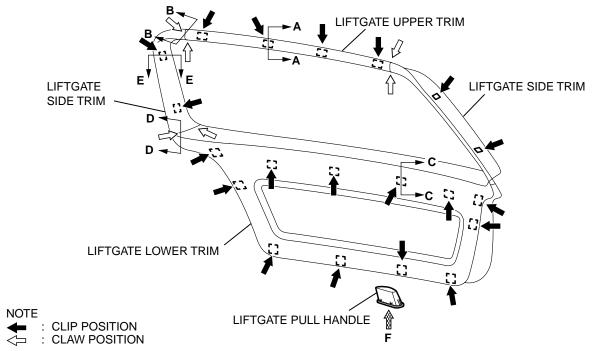
REMOVAL STEPS

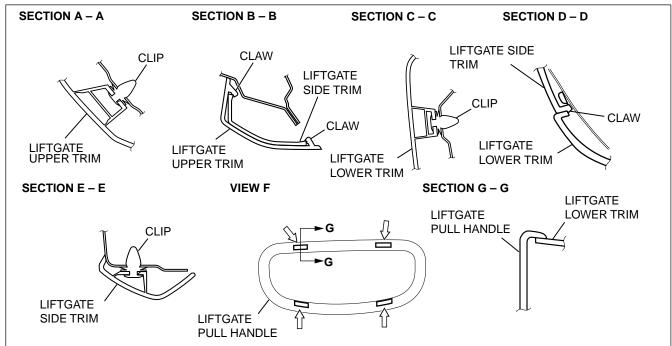
- 1. LIFTGATE UPPER TRIM
- 2. LIFTGATE SIDE TRIM

REMOVAL STEPS (Continued)

- 3. LIFTGATE LOWER TRIM
- 4. LIFTGATE PULL HANDLE

CLIP AND CLAW POSITION





AC313976 AC

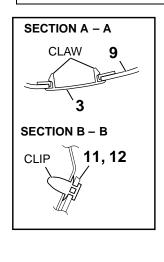
HEADLINING

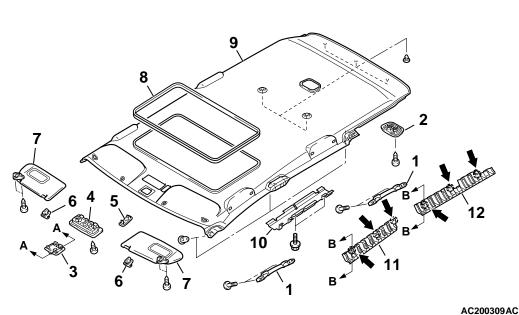
REMOVAL AND INSTALLATION

M1521001400490

Pre-removal and Post-installation Operation

 Removal and Installation of Front Pillar Trim, Center Pillar Trim Upper, Quarter Trim Upper (Refer to P.52A-26).





NOTE

← : CLIP POSITION

REMOVAL STEPS

- 1. ASSIST GRIP
- 2. REAR DOME LIGHT ASSEMBLY
- 3. HEADLINING COVER
- 4. FRONT DOME LIGHT/MAP LIGHT ASSEMBLY
- 5. SUN ROOF SWITCH COVER </ED>
- 6. SUN VISOR HOLDER
- SUN VISOR ASSEMBLY

REMOVAL STEPS (Continued)

- ROOF RAIL EDGE TRIM
 VEHICLE WITH SUN ROOF>
- 9. HEADLINING
- 10. ROOF BRACKET
- 11. FRONT SIDE ROOF RIB
- 12. REAR SIDE ROOF RIB

Required Special Tool:

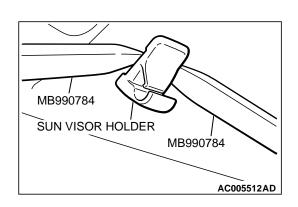
• MB990784: Ornament Remover



REMOVAL SERVICE POINT

<<A>> SUN VISOR HOLDER REMOVAL

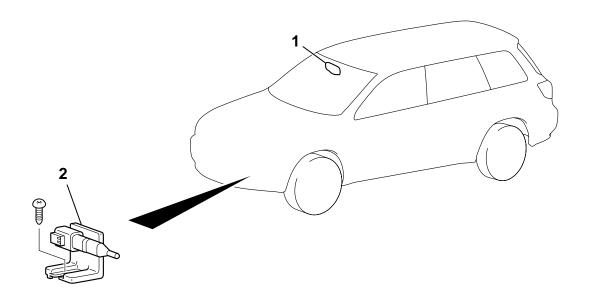
Insert the special tool MB990784 into side claws of the sun visor holder through the both sides to remove the hinges.



INSIDE REAR VIEW MIRROR

REMOVAL AND INSTALLATION

M1521002700201



<<A>>>

REMOVAL STEPS

1. INSIDE REAR VIEW MIRROR

AC201221AB

REMOVAL STEPS (Continued)

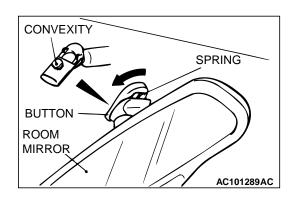
- RADIATOR GRILLE LH <VEHICLES WITH COMPASS AND TEMPERATURE DISPLAY> (REFER TO GROUP 51, RADIATOR GRILLE P.51-10).
- 2. THERMO METER SENSOR <VEHICLES WITH COMPASS AND TEMPERATURE DISPLAY>

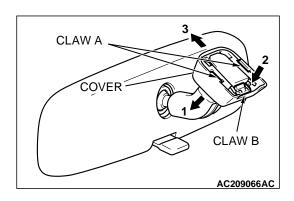
REMOVAL SERVICE POINTS

<<A>> INSIDE REAR VIEW MIRROR REMOVAL

< Vehicles with compass and temperature display>

Pull out the mirror in the bottom direction after turning it 90 degrees in the direction of the arrow, as shown.





< Vehicles without compass and temperature display>

- 1. Disengage the claw A and lower the cover toward arrow 1 direction.
- 2. Push the claw B toward arrow 2 direction to unlock, and pull out the mirror toward arrow 3 direction.

FRONT SEAT ASSEMBLY

REMOVAL AND INSTALLATION

M1522001300496

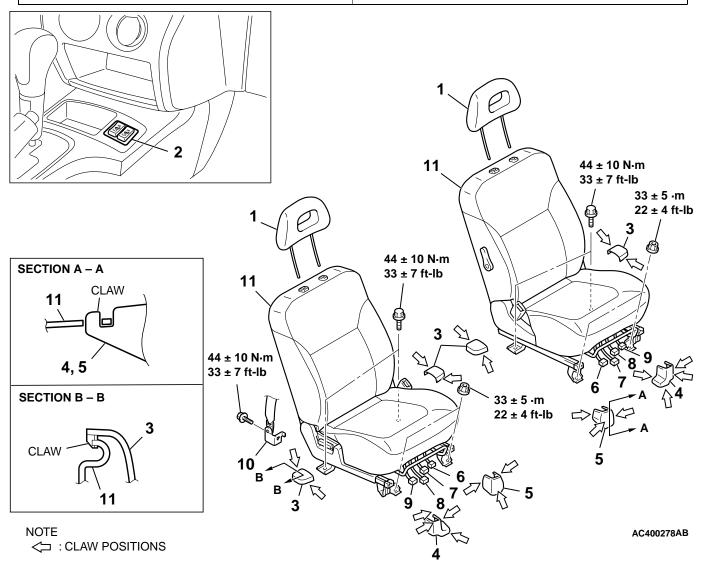
MARNING

- Before removing the front seat assembly, refer to GROUP 52B, Service Precautions
 P.52B-30 and Air Bag Module and Clock Spring P.52B-360 <Vehicles without advanced air bag>, P.52B-360 <Vehicles with advanced air bag>.
- When removing and installing the front passenger seat, be sure to carry out accuracy check occupant classification sensor after the seat has been installed in the vehicle. (Refer to GROUP 52B, On-Vehicle Service P.52B-337.) < Vehicles with advanced air bag>

⚠ CAUTION

Do not impact the seat. If the impact (falling etc.) is applied on the seat with occupant classification sensor, the occupant classification sensor transmitting error may be occurred.)

Pre-removal Operation Removal of Rear Floor Console Assembly (Refer to P.52A-24). Post-installation Operation • Adjustment Procedures of Special Function (refer to GROUP 52B, On-Vehicle Service P.52B-337.) < Vehicles with advanced air bag> • Installation of Rear Floor Console Assembly (Refer to P.52A-24).



- 1. HEAD RESTRAINT
- 2. HEATED SEAT SWITCH FRONT SEAT ASSEMBLY REMOVAL STEPS
- 3. FRONT SEAT ANCHOR COVER
- 4. SEAT ANCHOR COVER OUTER
- 5. SEAT ANCHOR COVER INNER
- 6. SEAT BELT SWITCH CONNECTOR
- 7. SIDE-AIR BAG MODULE CONNECTOR <VEHICLES WITH SIDE-AIR BAG
- HEATED SEAT CONNECTOR
 VEHICLES WITH HEATED
 SEAT>

FRONT SEAT ASSEMBLY REMOVAL STEPS (Continued)

- 9. SEAT SLIDE SENSOR
 CONNECTOR (DRIVER'S SIDE)
 <VEHICLES WITH ADVANCED
 AIR BAG>, OCCUPANT
 CLASSIFICATION SENSOR
 CONNECTOR (PASSENGER'S
 SIDE) <VEHICLES WITH
 ADVANCED AIR BAG>
- 10. OUTER SEAT BELT (PASSENGER'S SIDE)<VEHICLES WITH ADVANCED AIR BAG>

>>A<< 11. FRONT SEAT ASSEMBLY

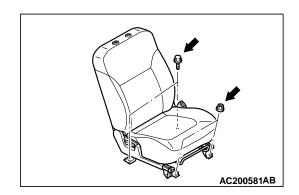
INSTALLATION SERVICE POINT

>>A<< FRONT SEAT ASSEMBLY INSTALLATION

⚠ CAUTION

Install the front passenger's seat assembly before installing the outer seat belt. <Vehicles with advanced air bag>

- 1. Temporarily tighten the nuts in mounting locations shown in the illustration with no weight on the front seat cushion and check the operation of the seat slide.
- 2. Temporarily tighten the bolts in mounting locations shown in the illustration with no weight on the front seat cushion.
- 3. Tighten the nuts and bolts in all mounting locations to the specified torque.



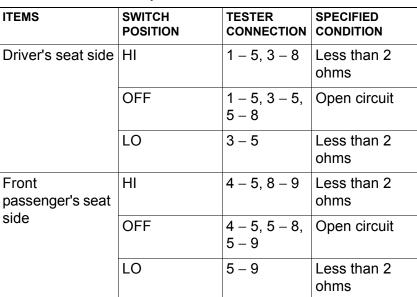
INSPECTION

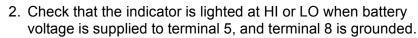
M1522005500180

HEATED SEAT SWITCH CHECK

CONTINUITY TEST OF HEATED SEAT SWITCH

1. Check for continuity between terminals.





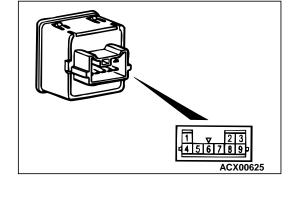
3. Check that indicator is lighted when battery voltage is supplied to terminals 2 and 6.

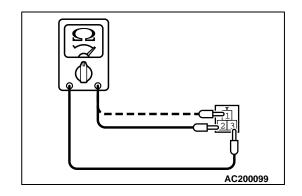
SEAT CUSHION HEATER CHECK

Measure the resistance between terminals.

Standard value: At room temperature 20 °C (68 °F) Between terminals 2 and 3: Approximately 4.8 Ω ± 10% Between terminals 4 and 3: 5.2 Ω ± 40%

Between terminals 1 and 3: 5.2 $\Omega \pm$ 10%

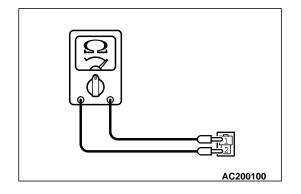




SEATBACK HEATER CHECK

Measure the resistance between terminals.

Standard value: At room temperature 20 °C (68 °F) Approximately 4.8 $\Omega \pm$ 10%



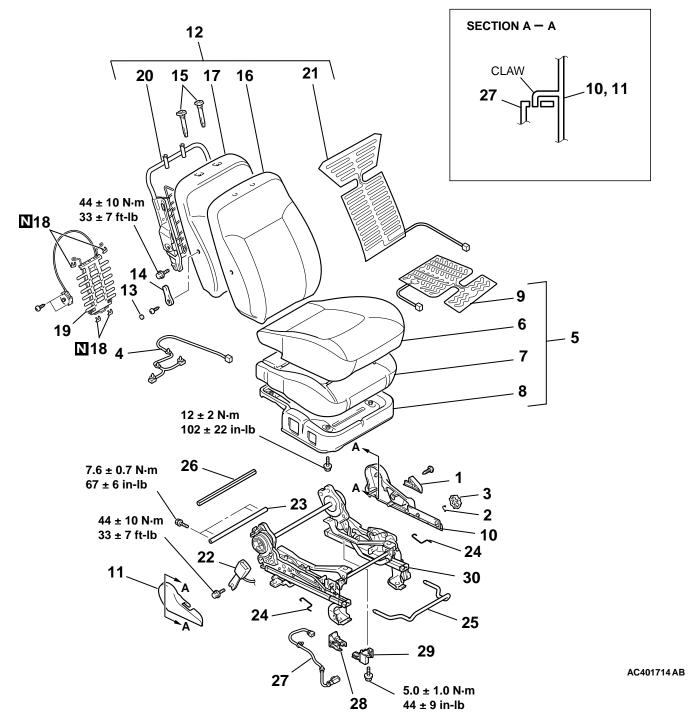
M1522001500627

DISASSEMBLY AND ASSEMBLY

<LH SIDE>

⚠ WARNING

Never attempt to disassemble or repair the seat slide sensor. If faulty, replace it.



DISASSEMBLY STEPS

- 1. RECLINING KNOB
- 2. PIN
- 3. HEIGHT ADJUSTER KNOB
- 4. HEATER HARNESS ASSEMBLY
- FRONT SEAT CUSHION ASSEMBLY

DISASSEMBLY STEPS

- 6. FRONT SEAT CUSHION COVER
- 7. FRONT SEAT CUSHION PAD
- 8. FRONT SEAT CUSHION FRAME
- SEAT CUSHION HEATER<VEHICLES WITH HEATED SEAT>

INTERIOR FRONT SEAT ASSEMBLY

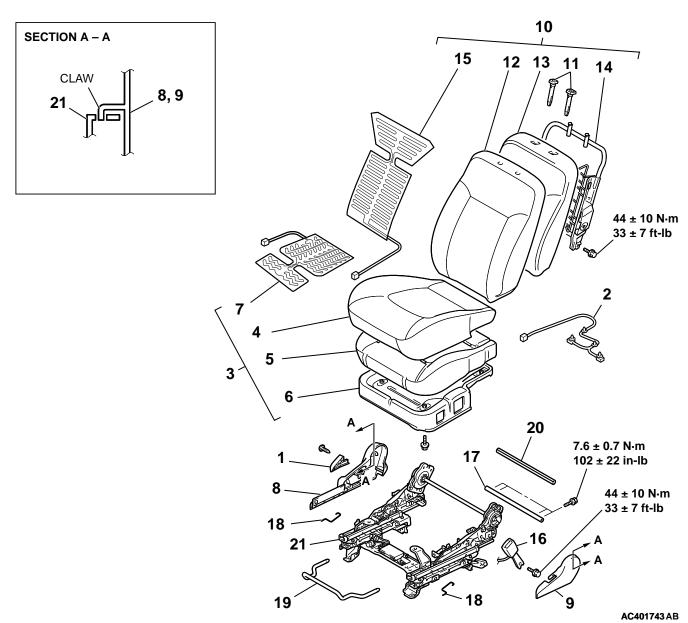
DISASSEMBLY STEPS

- 10. RECLINING COVER
- 11. SHIELD COVER
- 12. FRONT SEATBACK ASSEMBLY
- 13. LUMBAR SUPPORT CAP <VEHICLES WITH LUMBAR SUPPORT>
- 14. LUMBAR SUPPORT LEVER <VEHICLES WITH LUMBAR SUPPORT>
- 15. HEADREST GUIDE
- 16. FRONT SEATBACK COVER
- 17. FRONT SEATBACK PAD
- 18. LUMBER SUPPORT CLIP <VEHICLES WITH LUMBAR SUPPORT>
- 19. LUMBER SUPPORT < VEHICLES WITH LUMBAR SUPPORT>
- 20. FRONT SEATBACK FRAME
- 21. SEATBACK HEATER <VEHICLES WITH HEATED SEAT>
- 22. INNER SEAT BELT
- 23. SHAFT
- 24. PIN
- 25. SLIDE HANDLE
- 26. SHAFT PROTECTER
- 27. SLIDE SENSOR HARNESS
- 28. SLIDE SENSOR BRACKET
- 29. SLIDE SENSOR
- 30. SEAT SLIDE ADJUSTER

<RH SIDE>

MARNING

- Never attempt to disassemble or repair the occupant classification-ECU or the occupant classification sensor. If faulty, replace it.
- Do not drop or subject the occupant classification-ECU and occupant classification sensor to impact or vibration. If denting, cracking, deformation, or rust are discovered in the occupant classification-ECU or the occupant classification sensor, replace it with a new occupant classification-ECU or the occupant classification sensor.



REMOVAL STEPS

- RECLINING KNOB
- HEATER HARNESS ASSEMBLY
- 3. FRONT SEAT CUSHION ASSEMBLY
- 4. FRONT SEAT CUSHION COVER
- 5. FRONT SEAT CUSHION PAD
- 6. FRONT SEAT CUSHION FRAME

<<A>>

REMOVAL STEPS (Continued)

- 7. SEAT CUSHION HEATER <VEHICLES WITH HEATED SEAT>
- 8. RECLINING COVER
- 9. SHIELD COVER
- 10. FRONT SEATBACK ASSEMBLY
- 11. HEADREST GUIDE
- 12. FRONT SEATBACK COVER
- 13. FRONT SEATBACK PAD

INTERIOR FRONT SEAT ASSEMBLY

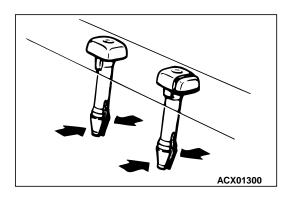
REMOVAL STEPS (Continued)

- 14. FRONT SEATBACK FRAME
- 15. SEATBACK HEATER < VEHICLES WITH HEATED SEAT>
- 16. INNER SEAT BELT
- 17. SHAFT
- 18. PIN
- 19. SLIDE HANDLE
- 20. SHAFT PROTECTOR

21. SEAT SLIDE ADJUSTER

<>

REMOVAL SERVISE POINT <<A>>HEADREST GUIDE REMOVAL



<> SLIDE ADJUSTER REMOVAL

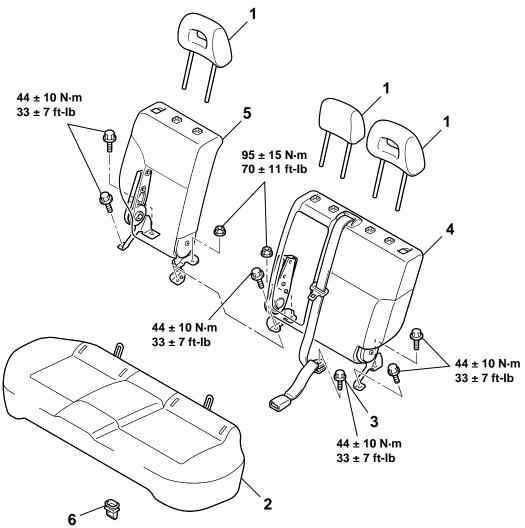
⚠ WARNING

Do not remove the occupant classification-ECU and the occupant classification sensor from the slide adjuster.

REAR SEAT ASSEMBLY

REMOVAL AND INSTALLATION

M1522001800156



1. HEADREST

REMOVAL STEPS

>>A<< 2. REAR SEAT CUSHION ASSEMBLY

3. INNER SEAT BELT AND CENTER SEAT BELT INSTALLATION BOLT

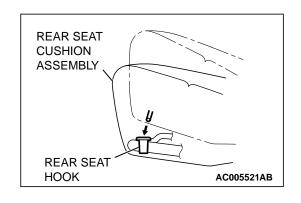
AC200090AB

REMOVAL STEPS (Continued)

- 4. REAR SEATBACK ASSEMBLY LH
- 5. REAR SEATBACK ASSEMBLY RH
- 6. REAR SEAT HOOK

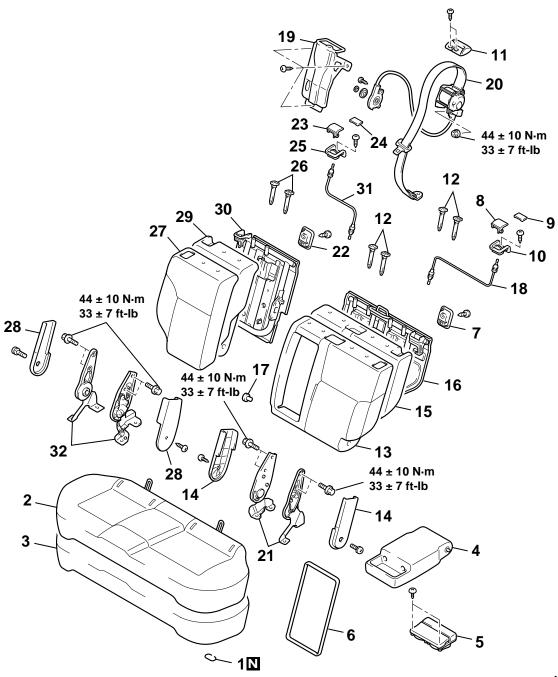
INSTALLATION SERVICE POINT >>A<< REAR SEAT CUSHION ASSEMBLY INSTALLATION

Fit the rear seat cushion into the rear seat hook securely.



DISASSEMBLY AND ASSEMBLY

M1522002000186



<<A>>>

AC200082 AB

REAR SEAT CUSHION DISASSEMBLY STEPS

- 1. HOG RING
- 2. REAR SEAT CUSHION COVER
- 3. REAR SEAT CUSHION PAD REAR SEATBACK (LH SIDE) DISASSEMBLY STEPS
- 4. ARM REST ASSEMBLY
- 5. ARM REST CUP HOLDER
- 6. ARM REST BOARD
- 7. TETHER ANCHOR GARNISH
- 8. RECLINING KNOB
- 9. CAP

REAR SEATBACK (LH SIDE) DISASSEMBLY STEPS

- 10. RECLINING KNOB GARNISH
- 11. CENTER SEAT BELT GARNISH
- 12. HEADREST GUIDE
- 13. REAR SEATBACK COVER
- 14. RECLINING COVER
- 15. REAR SEATBACK PAD
- 16. REAR SEATBACK FRAME ASSEMBLY
- 17. ARM REST BUSHING
- 18. RECLINING CABLE
- 19. CENTER SEAT BELT COVER

<<A>>>

INTERIOR REAR SEAT ASSEMBLY

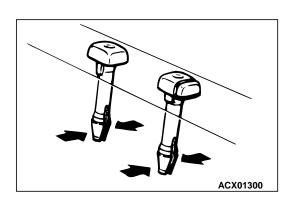
REAR SEATBACK (LH SIDE) DISASSEMBLY STEPS

- 20. CENTER SEAT BELT
- 21. RECLINING ADJUSTER

REAR SEATBACK (RH SIDE) DISASSEMBLY STEPS

- 22. TETHER ANCHOR GARNISH
- 23. RECLINING KNOB
- 24. CAP
- 25. RECLINING KNOB GARNISH
- 26. HEADREST GUIDE
- 27. REAR SEATBACK COVER
- 28. RECLINING ADJUSTER COVER
- 29. REAR SEATBACK PAD
- 30. REAR SEATBACK FRAME
- 31. RECLINING CABLE
- 32. RECLINING ADJUSTER

REMOVAL SERVICE POINT <<A>> HEADREST GUIDE REMOVAL



FRONT SEAT BELT

REMOVAL AND INSTARATION

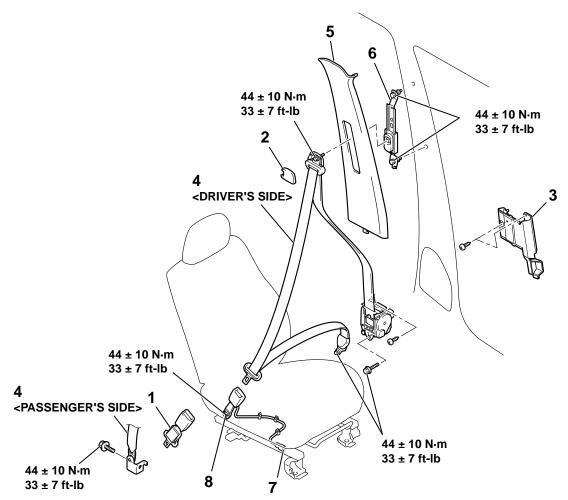
M1523001300488

⚠ CAUTION

SRS: Before removing and installing the seat belts with pre-tensioner, refer to GROUP 52B – Seat Belt with Pre-tensioner P.52B-372.

Pre-removal and Post-installation Operation

- Turn the ignition key to the LOOK (OFF) position.
- · Disconnect the negative battery terminal.



AC400093 AB

- 1. EXTENDER SEAT BELT ASSEMBLY*
 - OUTER SEAT BELT REMOVAL STEPS
- 2. SASH GUIDE COVER
- CENTER PILLAR TRIM LOWER (REFER TO P.52A-26).
- 3. BRACKET
- OUTER SEAT BELT (REFER TO GROUP 52B-SEAT BELT WITH PRE-TENSIONER P.52B-372).

OUTER SEAT BELT REMOVAL STEPS (Continued)

- 5. CENTER PILLAR TRIM UPPER (REFER TO P.52A-26).
- ADJUSTABLE SEAT BELT ANCHOR

INNER SEAT BELT REMOVAL

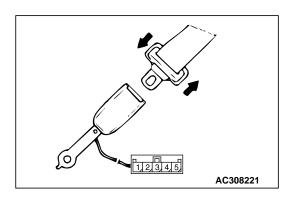
- 7. HARNESS CONNECTOR
- SHIELD COVER (REFER TO P.52A-41).
- 8. INNER SEAT BELT

NOTE: *If so equipped

INSPECTION

M1523001400355



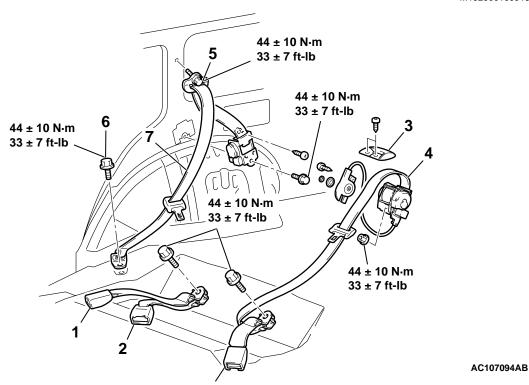


ITEM	TESTER CONNECTION	SPECIFIED CONDITION
Fastened seat belt	1 – 2	Open circuit
Unfastened seat belt	1 – 2	Less than 2 ohms

REAR SEAT BELT

REMOVAL AND INSTALLATION

M1523001600188



REMOVAL STEPS

- REAR SEATBACK ASSEMBLY LH (REFER TO P.52A-45.)
- 1. INNER SEAT BELT
- 2. CENTER SEAT BELT INNER
- 3. CENTER SEAT BELT GARNISH
- QUARTER TRIM UPPER (REFER TO P.52A-26.)

REMOVAL STEPS (Continued)

- 4. CENTER SEAT BELT OUTER (REFER TO P.52A-47.)
- 5. SEAT BELT SHOLDER ANCHOR BOLT
- 6. SEAT BELT LOWER ANCHOR BOLT
- 7. OUTER SEAT BELT

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATION

M1521004100131

ITEM	SPECIFICATION
Center seat belt nut	44 ± 10 N·m (33 ± 7 ft-lb)
Front seatback frame bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Front seat belt adjustable seat belt anchor bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Front seat belt bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Front seat bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Front seat cushion frame bolt	12 ± 2 N·m (102 ± 22 in-lb)
Front seat nut	33 ± 5 N·m (22 ± 4 ft-lb)
Front seat shaft bolt	7.6 ± 0.7 N·m (67 ± 6 in-lb)
Instrument panel bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Knee absorber bolt	11 ± 2 N·m (98 ± 17 in-lb)
Rear floor console bracket bolt	11 ± 2 N·m (98 ± 17 in-lb)
Rear seat belt bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Rear seat bolt	44 ± 10 N·m (33 ± 7 ft-lb)
Rear seat nut	95 ± 15 N·m (70 ± 11 ft-lb)
Rear seat reclining adjuster bolt	44 ± 10 N·m (33 ± 7 ft-lb)

NOTES