

09-20 ENTERTAINMENT

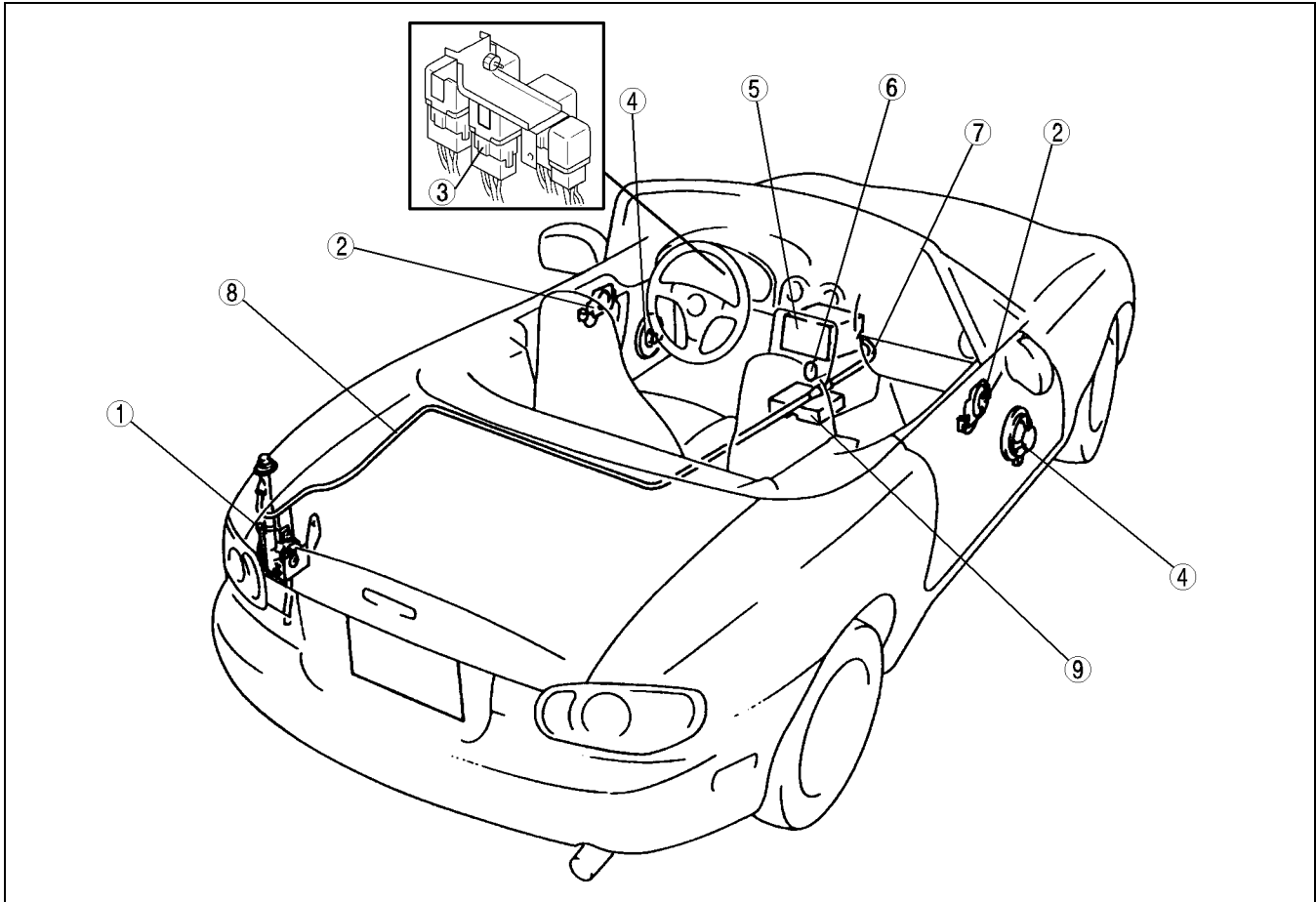
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ENTERTAINMENT

ENTERTAINMENT LOCATION INDEX

A5U092001065W01



Z5U0920W007

1	Power antenna (See 09-20-4 POWER ANTENNA REMOVAL/ INSTALLATION) (See 09-20-5 POWER ANTENNA INSPECTION)
2	Tweeter (See 09-20-3 TWEETER REMOVAL/ INSTALLATION) (See 09-20-4 TWEETER INSPECTION)
3	Audio relay (See 09-21-5 RELAY INSPECTION)
4	Door speaker (See 09-20-3 DOOR SPEAKER REMOVAL/ INSTALLATION) (See 09-20-3 DOOR SPEAKER INSPECTION)
5	Audio unit (See 09-20-7 AUDIO UNIT REMOVAL) (See 09-20-8 AUDIO UNIT INSTALLATION)

6	Cigarette lighter (See 09-20-27 CIGARETTE LIGHTER REMOVAL/ INSTALLATION) (See 09-20-27 CIGARETTE LIGHTER INSPECTION)
7	Front antenna feeder (See 09-20-6 FRONT ANTENNA FEEDER REMOVAL/INSTALLATION) (See 09-20-6 FRONT ANTENNA FEEDER INSPECTION)
8	Rear antenna feeder (See 09-20-7 REAR ANTENNA FEEDER REMOVAL/INSTALLATION) (See 09-20-7 REAR ANTENNA FEEDER INSPECTION)
9	Audio amplifier (See 09-20-26 AUDIO AMPLIFIER REMOVAL/ INSTALLATION)

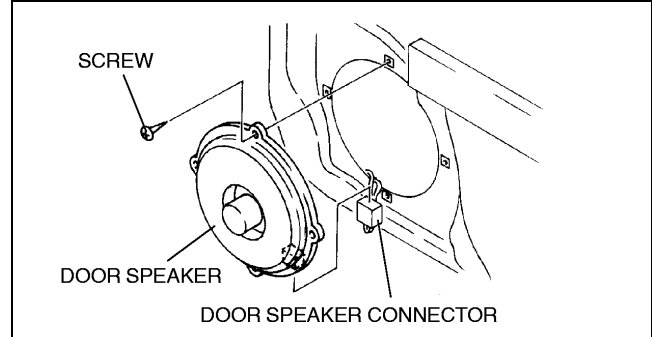
DOOR SPEAKER REMOVAL/INSTALLATION

A5U092066961W01

Caution

- When removing or installing a door speaker, touching the radio cone paper could cause poor sound quality. When removing or installing a door speaker, hold the speaker's bracket and handle with care.

1. Disconnect the negative battery cable.
2. Remove the door trim. (See 09-17-6 DOOR TRIM REMOVAL/INSTALLATION.)
3. Remove the screws.
4. Disconnect the door speaker connector and remove the door speaker.
5. Position the door speaker so that the terminals face downward and install in the reverse order of removal.



X5U920WA0

DOOR SPEAKER INSPECTION

A5U092066961W02

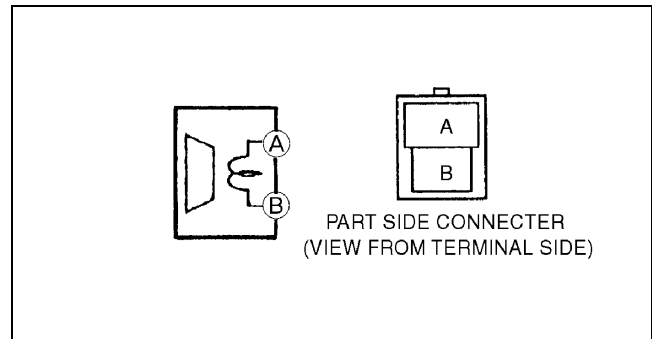
1. Remove the door speaker. (See 09-20-3 DOOR SPEAKER REMOVAL/INSTALLATION.)
2. Inspect for resistance between the door speaker terminals using an ohmmeter.
 - If not as specified, replace the door speaker.

○—○ : Resistance

Door speaker	Terminal		
	A	B	
Standard type	○—○	○—○	R_1
BOSE type	○—○	○—○	R_2

$R_1: 4 \Omega$ $R_2: 0.5 \Omega$

X5U920WA1



Y5U920WA0

09-20

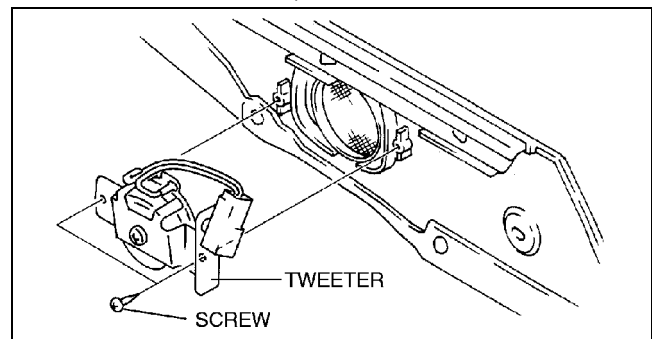
TWEETER REMOVAL/INSTALLATION

A5U092068966W01

Caution

- When removing or installing a tweeter, touching the radio cone paper could cause poor sound quality. When removing or installing a tweeter speaker, hold the speaker's bracket and handle with care.

1. Disconnect the negative battery cable.
2. Remove the door trim. (See 09-17-6 DOOR TRIM REMOVAL/INSTALLATION.)
3. Remove the screws, then remove the tweeter.
4. Install in the reverse order of removal.



Z5U0920W008

TWEETER INSPECTION

A5U092068966W02

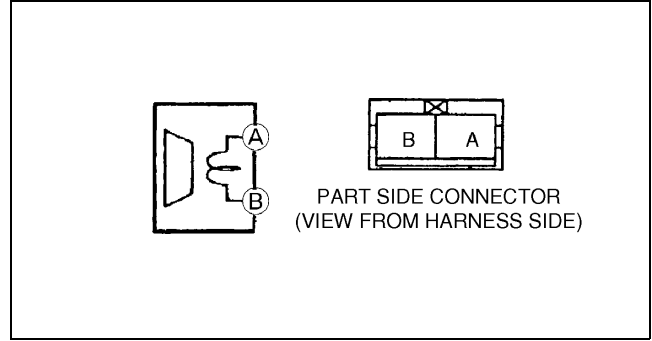
1. Remove the tweeter speaker. (See 09–20–3 TWEETER REMOVAL/INSTALLATION.)
2. Inspect for resistance between the tweeter speaker terminals using an ohmmeter.
 - If not as specified, replace the tweeter speaker.

○—W—○ : Resistance

Test condition	Terminal	
	A	B
Constant	○—W—○	○—W—○

R: 4 Ω

X5U920WA4



Y5U920WA1

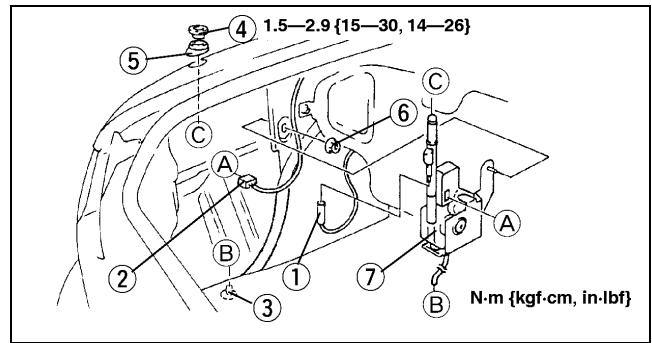
POWER ANTENNA REMOVAL/INSTALLATION

A5U092066933W01

1. Disconnect the negative battery cable.
2. Remove the trunk side trim (LH). (See 09–17–9 TRUNK SIDE TRIM REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

1	Rear antenna feeder
2	Connector
3	Drain hose
4	Mounting nut (See 09–20–4 Mounting Nut Removal Note)
5	Spacer
6	Nut
7	Power antenna

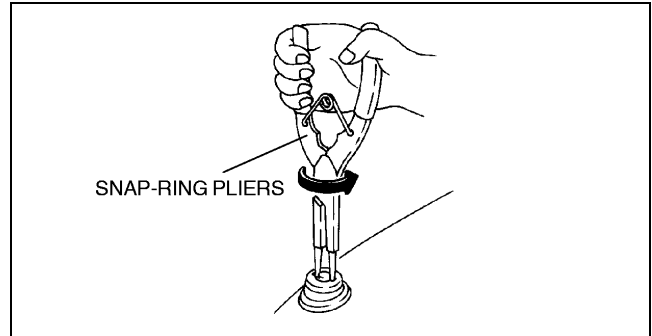
4. Install in the reverse order of removal.



X5U920WAG

Mounting Nut Removal Note

1. Use snap-ring pliers to remove the mounting nut.



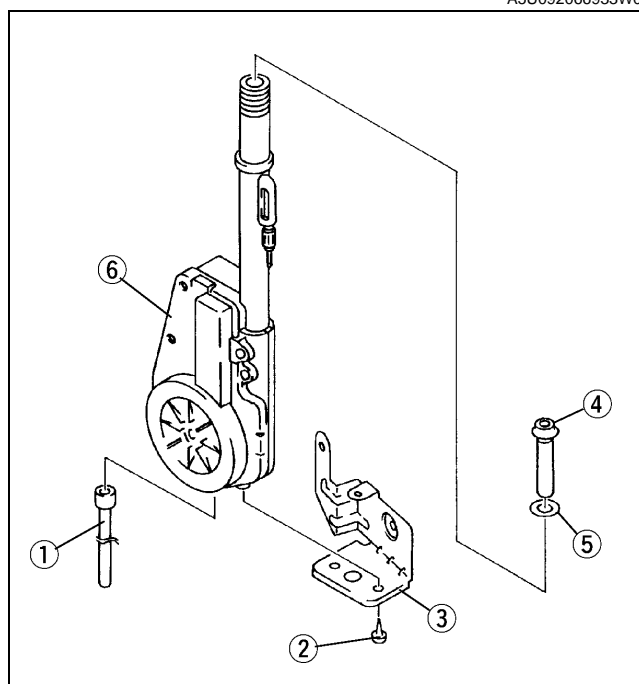
X5U920WAH

POWER ANTENNA DISASSEMBLY/ASSEMBLY

1. Disassemble in the order indicated in the table.

1	Drain hose
2	Screw
3	Bracket
4	Rod insulator
5	O-ring
6	Motor

2. Assemble in the reverse order of disassembly.



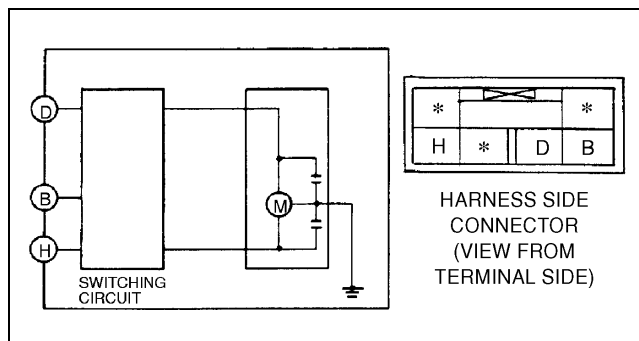
A5U092066933W02

X5U920WAJ

POWER ANTENNA INSPECTION

1. Remove the trunk side trim (LH). (See 09-17-9 TRUNK SIDE TRIM REMOVAL/INSTALLATION.)
2. Disconnect the power antenna connector.
3. Connect ground to terminal H of the power antenna.
4. Connect B+ to the following terminals of the power antenna. Verify that the power antenna operated as indicated below.
 - If not as specified, replace the necessary part.

Terminal		Power antenna operation
B	D	
B+	—	Down
B+	B+	Up



A5U092066933W03

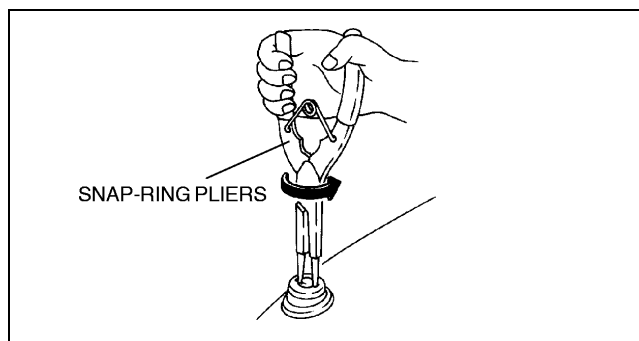
Y5U920WA2

ANTENNA MAST REMOVAL

Caution

- Always remove the antenna mast with the power antenna installed in the vehicle. Removing the antenna mast from the removed power antenna may damage the power antenna or the antenna mast.

1. Use snap-ring pliers to remove the mounting nut.
2. Turn the ignition switch to the ON position or the ACC position.
3. Audio power switch is the ON position.
4. Press AM/FM button and turn on the radio.
5. Pull out the antenna mast after it fully extends.



A5U092066933W01

X5U920WAL

ANTENNA MAST INSTALLATION

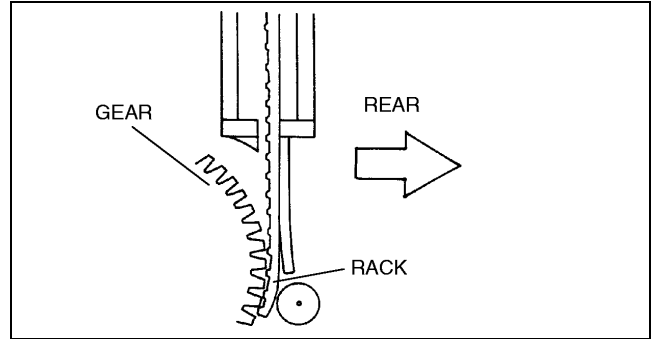
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1. Turn the ignition switch to the ON position or the ACC position.
2. Straighten the warp of rack end.
3. Audio power switch is the ON position.
4. Press AM/FM button and turn on the radio.
5. Turn audio power switch off, then immediately insert the rack into the power antenna.
6. After the antenna mast is fully retracted, tighten the mounting nut to the specification.

Tightening torque

1.5—2.9 N·m {15—30 kgf·cm, 14—26 in·lbf}

7. Verify that the power antenna operates smoothly when the audio unit radio is on.



X5U920WAM

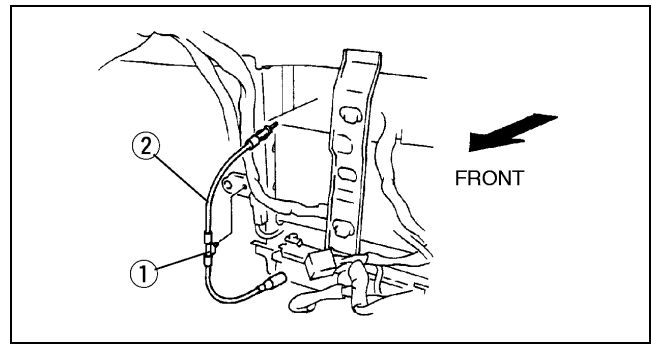
FRONT ANTENNA FEEDER REMOVAL/INSTALLATION

A5U092066941W01

1. Disconnect the negative battery cable.
2. Remove the audio unit. (See 09-20-7 AUDIO UNIT REMOVAL.) (See 09-20-8 AUDIO UNIT INSTALLATION.)
3. Remove the console. (See 09-17-4 CONSOLE REMOVAL/INSTALLATION.)
4. Disconnect the connection between the front antenna feeder and the rear antenna feeder.
5. Remove in the order indicated in the table.

1	Clip
2	Front antenna feeder

6. Install in the reverse order of removal.



X5U920WA8

FRONT ANTENNA FEEDER INSPECTION

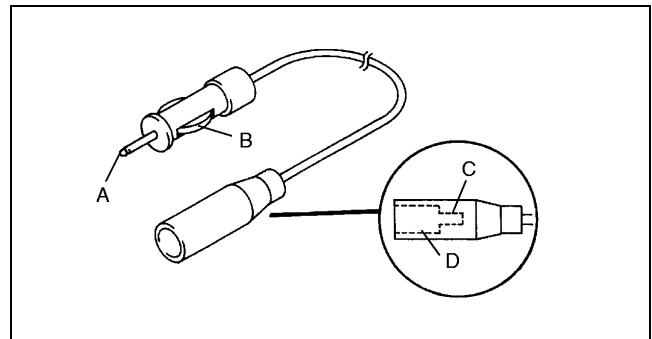
A5U092066941W02

1. Disconnect the negative battery cable.
2. Remove the audio unit. (See 09-20-7 AUDIO UNIT REMOVAL.)
3. Remove the console. (See 09-17-4 CONSOLE REMOVAL/INSTALLATION.)
4. Disconnect the connection between front antenna feeder and the rear antenna feeder.
5. Verify that there is no continuity between front antenna feeder terminals A and B using an ohmmeter.
6. Inspect for continuity between the front antenna feeder terminals using an ohmmeter.
 - If not as specified, replace the front antenna feeder.

○—○ : Continuity

Step	Terminal			
	A	B	C	D
1	○		○	
2		○		○

X5U920WA6



X5U920WA7

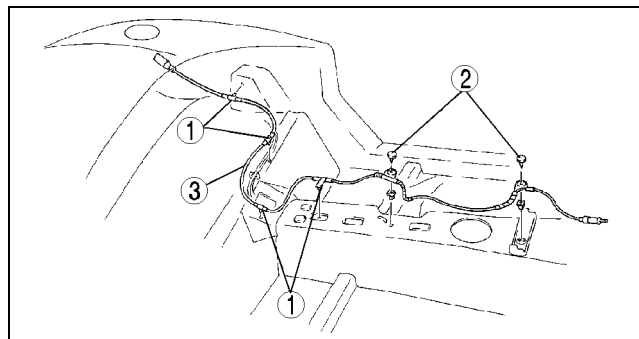
REAR ANTENNA FEEDER REMOVAL/INSTALLATION

A5U092066942W01

1. Disconnect the negative battery cable.
2. Remove the trunk side trim (LH). (See 09-17-9 TRUNK SIDE TRIM REMOVAL/INSTALLATION.)
3. Disconnect the connection between the rear antenna feeder and the power antenna. (With manual antenna: manual antenna)
4. Remove the rear package trim. (See 09-17-7 REAR PACKAGE TRIM REMOVAL/INSTALLATION.)
5. Turn over the floor covering from the right side. (See 09-17-10 FLOOR COVERING REMOVAL/INSTALLATION.)
6. Disconnect the connection between the front antenna feeder and the rear antenna feeder.
7. Remove in the order indicated in the table.

1	Clip
2	Fastener
3	Rear antenna feeder

8. Install in the reverse order of removal.



Z5U0920W009

REAR ANTENNA FEEDER INSPECTION

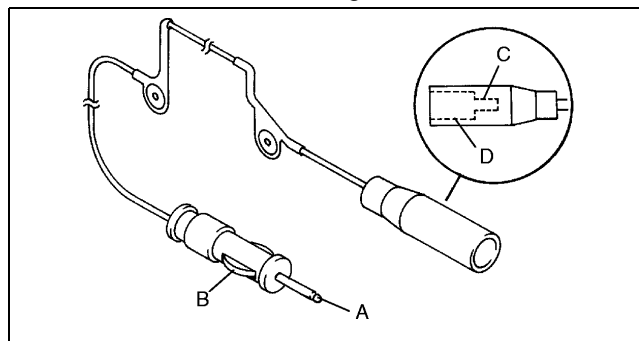
A5U092066942W02

1. Remove the console. (See 09-17-4 CONSOLE REMOVAL/INSTALLATION.)
2. Disconnect the connection between the front antenna feeder and the rear antenna feeder.
3. Remove the trunk side trim (LH). (See 09-17-9 TRUNK SIDE TRIM REMOVAL/INSTALLATION.)
4. Disconnect the connection between the rear antenna feeder and the power antenna. (With manual antenna: manual antenna)
5. Verify that there is no continuity between rear antenna feeder terminals A and B using an ohmmeter.
6. Inspect for continuity between the rear antenna feeder terminals using an ohmmeter.
 - If not as specified, replace the rear antenna feeder.

○—○ : Continuity

Step	Terminal			
	A	B	C	D
1	○—		○—	
2		○—		○—

X5U920WAA



X5U920WAB

AUDIO UNIT REMOVAL

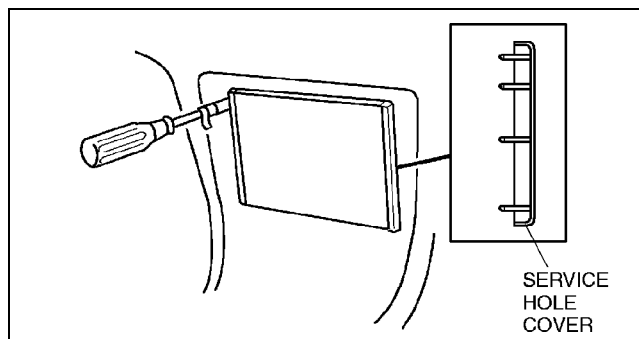
A5U092066900W01

1. Disconnect the negative battery cable.
2. Remove the service hole covers by inserting a small tape-wrapped flathead screwdriver into the slot and carefully pry them off without scratching the center panel. Pry up and pull off the service hole covers carefully to prevent the posts from breaking off.

Note

- Two sets of the **SSTs** (Removing tool) are necessary to remove the audio unit.

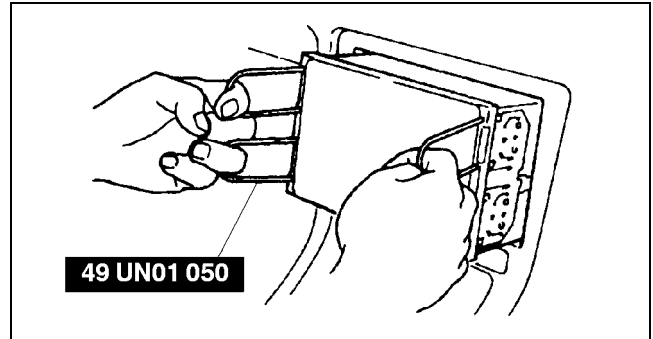
3. With the beveled parts of the **SST** (Removing tool) facing inward, insert them into the audio unit.



A5U0920W101

ENTERTAINMENT

4. Pull the **SST** (Removing tool) outward and rearward to slide out the audio unit.
5. Disconnect the audio unit connectors and antenna jacks.



A5U0920W102

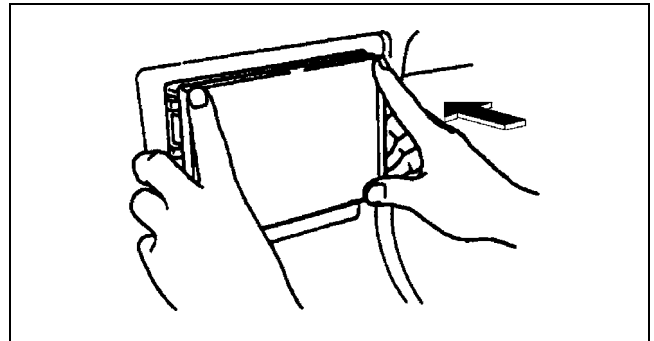
AUDIO UNIT INSTALLATION

A5U092066900W02

Caution

- Make certain that the wiring harness and antenna feeder are not caught between the unit and dashboard. If the harness or the antenna feeder is caught between the unit and dashboard, it may become the cause of trouble or malfunctions.

1. Install the audio unit service hole covers.
2. Connect the audio unit connectors and antenna jacks.
3. Insert the audio unit until each clip clicks.
4. Connect the negative battery cable.



Z5U0920W003

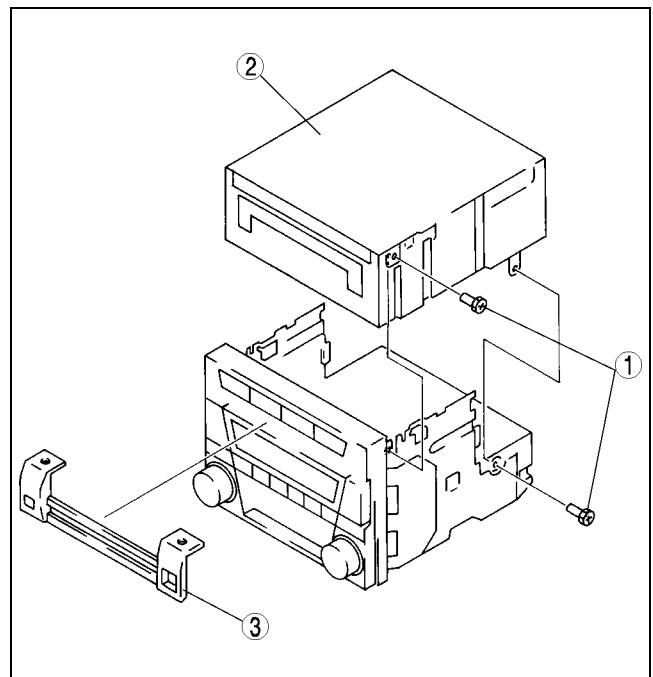
UPPER MODULE REMOVAL/INSTALLATION

A5U092066900W03

1. Disconnect the negative battery cable.
2. Remove the audio unit. (See 09-20-7 AUDIO UNIT REMOVAL.)
3. Remove in the order indicated in the table.

1	Screw (See 09-20-9 Screw Installation Note.)
2	Upper module (See 09-20-9 Upper Module Removal Note.)
3	Cover (See 09-20-9 Cover Removal Note.)

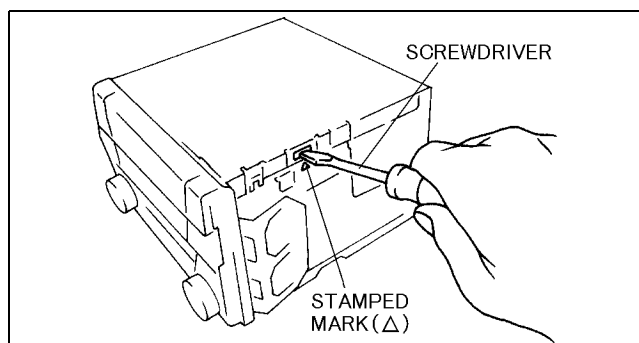
4. Install in the order of removal.



Y5J8124W004

Upper Module Removal Note

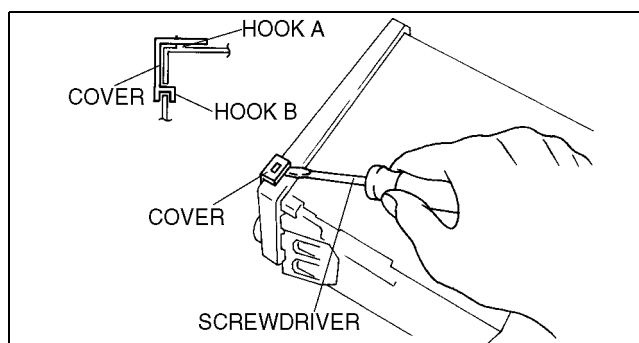
1. Insert a screwdriver into the hole stamped mark.
2. To remove upper module, lift it by pushing down the screwdriver's handle.



YLE8124W005

Cover Removal Note

1. Insert a tape-wrapped screwdriver between the cover and the base unit, then unhook the hook A.
2. To unhook the hook B, pull the cover upward.



YLE8124W006

09-20

Screw Installation Note

Caution

- If an undesignated screw is used, the inside of the upper module could be damaged. When installing the module, be sure to use a designated screw (red).

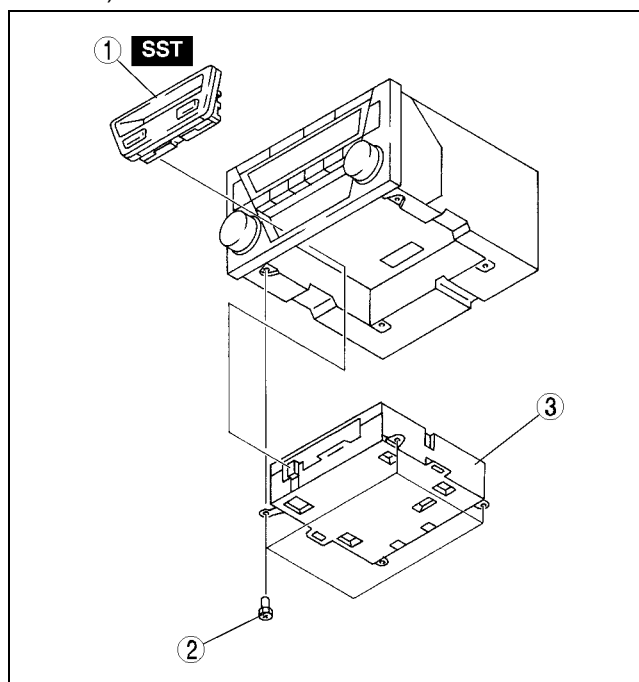
LOWER MODULE REMOVAL/INSTALLATION

A5U092066900W04

1. Disconnect the negative battery cable.
2. Remove the audio unit. (See 09-20-7 AUDIO UNIT REMOVAL.)
3. Remove in the order indicated in the table.

1	Cover (See 09-20-10 Cover Removal Note.)
2	Screw (See 09-20-10 Screw Installation Note.)
3	Lower module

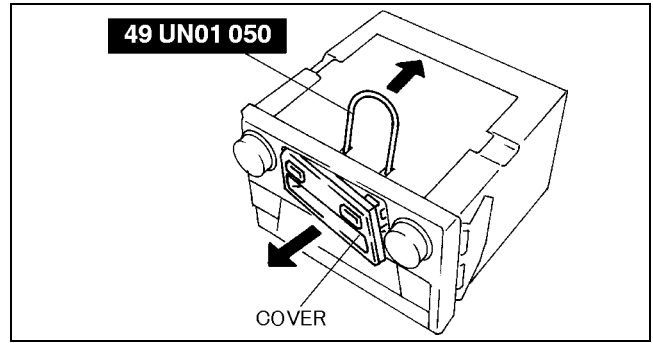
4. Install in the order of removal.



YLE8124W007

Cover Removal Note

1. Insert the **SST** into the service holes on the bottom surface of the lower module.
2. To remove the cover, push the **SST** in the direction shown by the arrow.



ZLU0920W003

Screw Installation Note

Caution

- If an undesignated screw is used, the inside of the upper module could be damaged. When installing the module, be sure to use a designated screw (red).

STARTING PROCEDURE FOR ON-BOARD DIAGNOSTIC TEST MODE

A5U092066900W05

Note

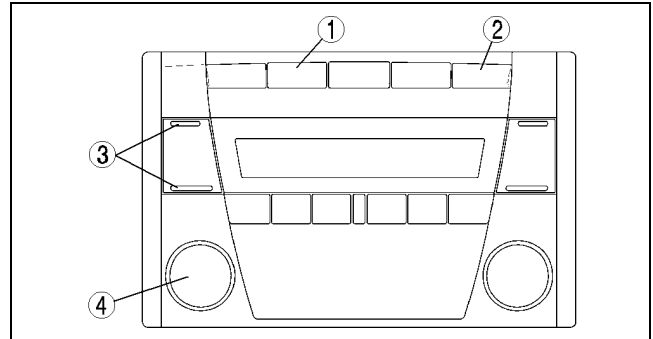
- All DTCs displayed in the on-board diagnostic test mode should be entered in the Audio Exchange Order Form.

1. Turn the ignition switch to the ACC or ON position.
2. First press the POWER button and hold it, then press the AM button and CLOCK button for **2 seconds or more**.

1	AM button
2	CLOCK button
3	SEEK button
4	POWER button

Note

- If several DTCs are in the memory, they can be displayed using the SEEK button.



Z5U0920W100

3. To stop the on-board diagnostic test mode, turn the ignition switch to the LOCK position.

SUPPLIER IDENTIFICATION PROCEDURE

A5U092066900W06

Note

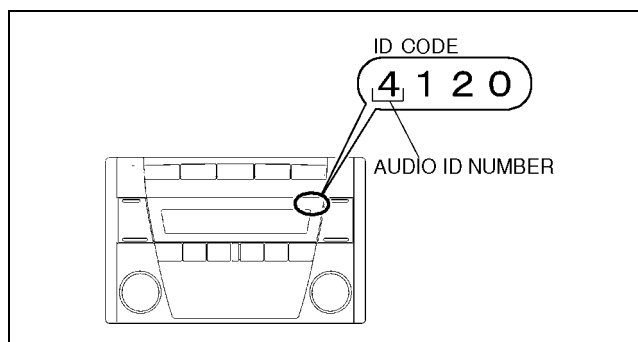
- When asking the supplier (service center) for repair or replace, verify which supplier the module belongs to and enter in the Audio Exchange Order Form. (See Warranty Bulletin Category AD, number 32.) Use the table and illustration below to determine the audio supplier.

Identification With Printed Numbers/label

Base unit

- To get the supplier name, compare the leftmost number of the ID code (4 digits), printed on the upper right corner of the LCD, with the table below.

Audio ID number	Supplier name
1	Panasonic
2	Clarion
4	FMS Audio



YLE8175W002

Upper/lower module

- Remove the audio unit.
- Verify the supplier name written in the label attached on each module.

Identification With On-board Diagnostic Test Mode

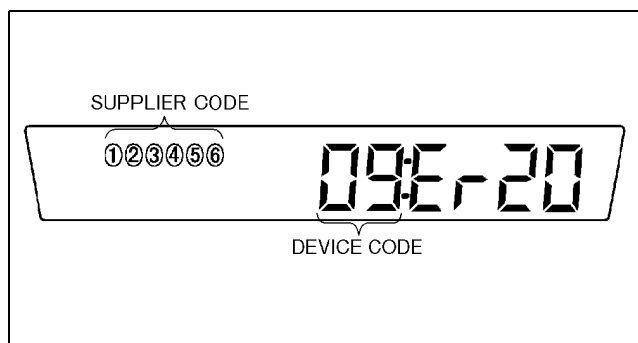
- Start the on-board diagnostic test mode.
- Verify the device code and supplier code displayed in the LCD.

Note

- When no DTCs are in the memory, device code and supplier codes will not be displayed.

Device code	Parts name
00	Cassette deck (lower module)
03	CD player (upper module)
05	CD changer (external type)
06	CD changer (upper module)
07	MD player (lower module)
09	Base unit

Supplier code	Supplier name
1	FMS Audio
2	Panasonic
3	Clarion



ALU0920W102

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DTC CLEARING PROCEDURE

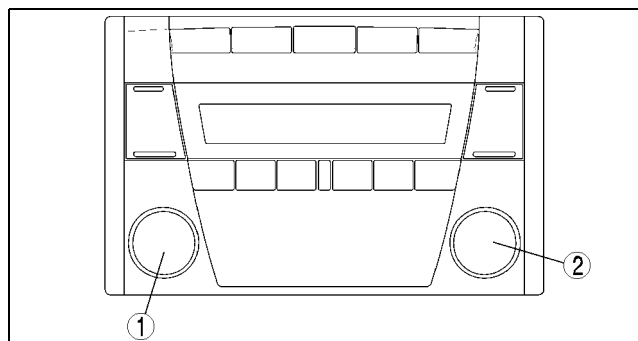
- Start the on-board diagnostic test mode.
- First press the POWER button and hold it, then press AUDIO CONT button for **2 seconds or more**.

1	POWER button
2	AUDIO CONT button

Caution

- Before clearing the DTCs, be sure to enter all of them displayed in the on-board diagnostic test mode in the Audio Exchange Order Form.**

- To stop the on-board diagnostic test mode, turn the ignition switch to the LOCK position.



YLE8175W004

ENTERTAINMENT

DTC TABLE

A5U092066900W08

Screen display		Malfunction location	Page
DTC	Output signal		
09:Er22	—	Base unit (peripheral circuit)	(See 09–20–13 DTC 09:ER22.)
09:Er20	—	Power supply circuit of base unit	(See 09–20–13 DTC 09:ER20.)
00:Er10	—	Cassette deck—base unit communication line	(See 09–20–14 DTC 00:ER10.)
03:Er10	—	CD player—base unit communication line	(See 09–20–14 DTC 03:ER10.)
05:Er10	—	CD changer (external type)—base unit communication line	(See 09–20–15 DTC 05:ER10.)
06:Er10	—	CD changer (upper module)—base unit communication line	(See 09–20–15 DTC 06:ER10.)
07:Er10	—	MD player—base unit communication line	(See 09–20–16 DTC 07:ER10.)
03:Er01	—	CD player	(See 09–20–16 DTC 03:ER01.)
03:Er02	CHECK* ¹ CD* ²	CD player	(See 09–20–17 DTC 03:ER02.)
03:Er07	CHECK* ¹ CD* ²	CD player	(See 09–20–17 DTC 03:ER07.)
00:Er01	—	Cassette deck	(See 09–20–18 DTC 00:ER01.)
00:Er03	—	Cassette deck	(See 09–20–18 DTC 00:ER03.)
00:Er04	CHECK* ¹ TAPE* ²	Cassette tape	(See 09–20–19 DTC 00:ER04.)
05:Er01	—	CD changer (external type)	(See 09–20–19 DTC 05:ER01.)
05:Er07	CHECK* ¹ CD* ²	CD changer (external type)	(See 09–20–20 DTC 05:ER07.)
06:Er01	—	CD changer (upper module)	(See 09–20–20 DTC 06:ER01.)
06:Er02	CHECK* ¹ CD* ²	CD changer (upper module)	(See 09–20–21 DTC 06:ER02.)
06:Er07	CHECK* ¹ CD* ²	CD changer (upper module)	(See 09–20–21 DTC 06:ER07.)
07:Er01	—	MD player	(See 09–20–22 DTC 07:ER01.)
07:Er02	CHECK* ¹ MD* ²	MD player	(See 09–20–22 DTC 07:ER02.)
07:Er07	CHECK* ¹ MD* ²	MD player	(See 09–20–22 DTC 07:ER07.)
no Err	—	No stored DTCs	—

*¹,*²:When an error occurs, the error messages are displayed three times in the order of *¹ and *², respectively.

ENTERTAINMENT

DTC 09:Er22

A5U092066900W09

DTC 09:Er22	Base unit (peripheral circuit)
DETECTION CONDITION	<ul style="list-style-type: none"> Base unit detects malfunction in its inner circuit (related to tuner).
POSSIBLE CAUSE	<ul style="list-style-type: none"> Base unit malfunction

Diagnostic procedure

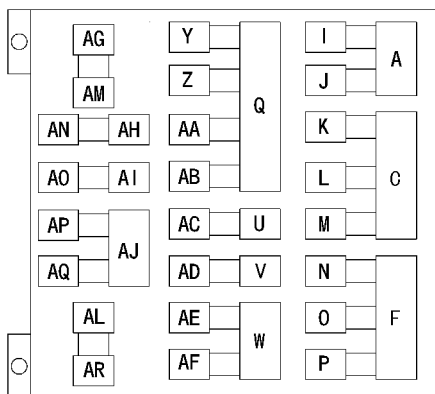
INSPECTION	ACTION	
INSPECT BASE UNIT <ul style="list-style-type: none"> Clear DTC. Turn on radio and operate it for 3 seconds or more. Start on-board diagnostic test mode. Is DTC 09:Er22 displayed? 	Yes	Replace base unit.
	No	Troubleshooting completed.

DTC 09:Er20

A5U092066900W10

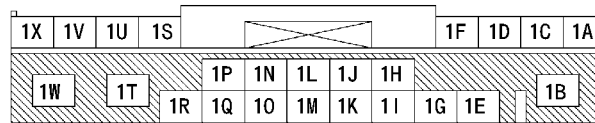
DTC 09:Er20	Power supply circuit of base unit
DETECTION CONDITION	<ul style="list-style-type: none"> Voltage detected at base unit terminals 1B and 1R is less than 8.5 V, or more than 16 V (must not be 16V).
POSSIBLE CAUSE	<ul style="list-style-type: none"> Weak battery or the system is overcharging Malfunction in wiring harness between battery and base unit

FUSE BLOCK



HARNESS SIDE CONNECTOR
(VIEW FROM HARNESS SIDE)

BASE UNIT CONNECTOR



HARNESS SIDE CONNECTOR
(VIEW FROM HARNESS SIDE)

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	INSPECT BATTERY <ul style="list-style-type: none"> Measure battery voltage. Is voltage 8.5 V —16 V? 	Yes	Go to next step.
		No	Battery is weak or the system is overcharging. <ul style="list-style-type: none"> Inspect charge/discharge system.
2	INSPECT WIRING HARNESS BETWEEN BATTERY AND FUSE BLOCK <ul style="list-style-type: none"> Measure voltage at fuse block terminals I and AE. Is voltage 8.5 V —16 V? 	Yes	Go to next step.
		No	Repair wiring harness between battery and fuse block.
3	INSPECT WIRING HARNESS BETWEEN FUSE BLOCK AND BASE UNIT <ul style="list-style-type: none"> Measure voltage at base unit connector terminals 1B and 1R. Is voltage 8.5 V —16 V? 	Yes	Go to next step.
		No	Repair wiring harness between fuse block and base unit.
4	INSPECT BASE UNIT <ul style="list-style-type: none"> Clear DTC. Turn ignition switch to ACC or ON position and hold for 30 seconds or more. Start on-board diagnostic test mode. Is DTC 09:Er20 displayed? 	Yes	Replace base unit.
		No	Troubleshooting completed.

ENTERTAINMENT

DTC 00:Er10

A5U092066900W11

DTC 00:Er10	Cassette deck —base unit communication line
DETECTION CONDITION	<ul style="list-style-type: none"> Base unit detects communication error with cassette deck (lower module).
POSSIBLE CAUSE	<ul style="list-style-type: none"> Malfunction of connectors between base unit and cassette deck (lower module) Cassette deck (lower module) malfunction Base unit malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT CONNECTOR <ul style="list-style-type: none"> Remove cassette deck (lower module) and inspect connector for the following. <ul style="list-style-type: none"> Deformation of pin Poor connection of female terminal Pinching of foreign material Is connector okay? 	Yes Go to next step.
		No Repair connector, then go to next step.
2	VERIFY THAT CASSETTE DECK (LOWER MODULE) IS INSTALLED WITH BASE UNIT <ul style="list-style-type: none"> Install cassette deck (lower module) and verify its installation condition. Is cassette deck securely installed? 	Yes Go to next step.
		No Securely install cassette deck (lower module), then go to next step.
3	INSPECT CASSETTE DECK (LOWER MODULE) <ul style="list-style-type: none"> Clear DTC. Turn ignition switch to ACC or ON position and hold for 3 seconds or more. Start on-board diagnostic test mode. Is DTC 00:Er10 displayed? 	Yes Replace base unit and cassette deck (lower module).
		No Troubleshooting completed.

DTC 03:Er10

A5U092066900W12

DTC 03:Er10	CD player—base unit communication line
DETECTION CONDITION	<ul style="list-style-type: none"> Base unit detects communication error with CD player (upper module).
POSSIBLE CAUSE	<ul style="list-style-type: none"> Malfunction of connectors between base unit and CD player (upper module) CD player (upper module) malfunction Base unit malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT CONNECTOR <ul style="list-style-type: none"> Remove CD player (upper module) and inspect connector for the following. <ul style="list-style-type: none"> Deformation of pin Poor connection of female terminal Pinching of foreign material Is connector okay? 	Yes Go to next step.
		No Repair connector, then go to next step.
2	VERIFY THAT CD PLAYER (UPPER MODULE) IS INSTALLED WITH BASE UNIT <ul style="list-style-type: none"> Install CD player (upper module) and verify its installation condition. Is CD player securely installed? 	Yes Go to next step.
		No Securely install CD player (upper module), then go to next step.
3	INSPECT CD PLAYER (UPPER MODULE) <ul style="list-style-type: none"> Clear DTC. Turn ignition switch to ACC or ON position and hold for 3 seconds or more. Start on-board diagnostic test mode. Is DTC 03:Er10 displayed? 	Yes Replace base unit and CD player (upper module).
		No Troubleshooting completed.

DTC 05:Er10

A5U092066900W13

DTC 05:Er10	CD changer—base unit communication line
DETECTION CONDITION	<ul style="list-style-type: none"> Base unit detects communication error with CD changer (external type)
POSSIBLE CAUSE	<ul style="list-style-type: none"> Malfunction of connectors between base unit and CD changer (external type) CD changer (external type) malfunction Base unit malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT CONNECTOR <ul style="list-style-type: none"> Inspect base unit and CD changer (external type) connectors for connection. Are connectors securely connected? 	Yes Go to next step.
		No Reconnected connector, then go to next step.
2	INSPECT WIRING HARNESS BETWEEN CD CHANGER (EXTERNAL TYPE) AND BASE UNIT <ul style="list-style-type: none"> Inspect wiring harness between base unit and CD changer (external type). Is wiring harness okay? 	Yes Go to next step.
		No Securely install CD changer (external type), then go to next step.
3	INSPECT CD CHANGER (EXTERNAL TYPE) <ul style="list-style-type: none"> Clear DTC. Turn ignition switch to ACC or ON position and hold for 3 seconds or more. Start on-board diagnostic test mode. Is DTC 05:Er10 displayed? 	Yes Replace base unit and CD changer (external type).
		No Troubleshooting completed.

DTC 06:Er10

A5U092066900W14

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DTC 06:Er10	CD changer—base unit communication line
DETECTION CONDITION	<ul style="list-style-type: none"> Base unit detects communication error with CD changer (upper module)
POSSIBLE CAUSE	<ul style="list-style-type: none"> Malfunction of connectors between base unit and CD changer (upper module) CD changer (upper module) malfunction Base unit malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT CONNECTOR <ul style="list-style-type: none"> Remove CD changer (upper module) and inspect connector for the following. <ul style="list-style-type: none"> Deformation of pin Poor connection of female terminal Pinching of foreign material Is connector okay? 	Yes Go to next step.
		No Repair connector, then go to next step.
2	VERIFY THAT CD CHANGER (UPPER MODULE) IS INSTALLED WITH BASE UNIT <ul style="list-style-type: none"> Install CD changer (upper module) and verify its installation condition. Is CD changer (upper module) securely installed? 	Yes Go to next step.
		No Securely install CD changer (upper module), then go to next step.
3	INSPECT CD CHANGER (UPPER MODULE) <ul style="list-style-type: none"> Clear DTC. Turn ignition switch to ACC or ON position and hold for 3 seconds or more. Start on-board diagnostic test mode. Is DTC 06:Er10 displayed? 	Yes Replace base unit and CD changer (upper module).
		No Troubleshooting completed.

ENTERTAINMENT

DTC 07:Er10

A5U092066900W15

DTC 07:Er10	MD player—base unit communication line
DETECTION CONDITION	<ul style="list-style-type: none"> Base unit detects communication error with MD player (lower module)
POSSIBLE CAUSE	<ul style="list-style-type: none"> Malfunction of connectors between base unit and MD player (lower module) MD player (lower module) malfunction Base unit malfunction

Diagnostic procedure

STEP	INSPECTION		ACTION
1	INSPECT CONNECTOR <ul style="list-style-type: none"> Remove MD player (lower module) and inspect connector for the following. <ul style="list-style-type: none"> Deformation of pin Poor connection of female terminal Pinching of foreign material Is connector okay? 	Yes	Go to next step.
		No	Repair connector, then go to next step.
2	VERIFY THAT MD PLAYER (LOWER MODULE) IS INSTALLED WITH BASE UNIT <ul style="list-style-type: none"> Install MD player (lower module) and verify its installation condition. Is MD player (lower module) securely installed? 	Yes	Go to next step.
		No	Securely install MD player (lower module), then go to next step.
3	INSPECT MD PLAYER (LOWER MODULE) <ul style="list-style-type: none"> Clear DTC. Turn ignition switch to ACC or ON position and hold for 3 seconds or more. Start on-board diagnostic test mode. Is DTC 07:Er10 displayed? 	Yes	Replace base unit and MD player (lower module).
		No	Troubleshooting completed.

DTC 03:Er01

A5U092066900W16

DTC 03:Er01	CD player (upper module)
DETECTION CONDITION	<ul style="list-style-type: none"> CD player (upper module) cannot implement insert and eject commands.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective CD (broken or foreign material stuck/attached) CD player (upper module) malfunction

Diagnostic procedure

STEP	INSPECTION		ACTION
1	<ul style="list-style-type: none"> Is CD able to be ejected? 	Yes	Go to next step.
		No	Replace CD player (upper module).
2	INSPECT CD <ul style="list-style-type: none"> Inspect condition of CD where error has occurred. Is CD okay? <p>Note</p> <ul style="list-style-type: none"> In some cases, not all CD-R/CD-RW will play. 	Yes	Go to next step.
		No	Repair (remove foreign material) or replace CD, then go to next step.
3	INSPECT CD PLAYER (UPPER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert and eject CD with no defect. Start on-board diagnostic test mode. Is DTC 03:Er01 displayed? 	Yes	Replace CD player (upper module).
		No	Troubleshooting completed.

ENTERTAINMENT

DTC 03:ER02

A5U092066900W17

DTC 03:Er02	CD player (upper module)
DETECTION CONDITION	Note <ul style="list-style-type: none"> When error occurs, error message "CHECK CD" is displayed in the LCD. Cannot play CD normally or change tracks.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective CD (scratches or dirt) CD player (upper module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	VERIFY WHETHER MALFUNCTION IS IN CD PLAYER (UPPER MODULE) OR CD <ul style="list-style-type: none"> Play CD and select other song (change tracks). Does CD player change tracks? 	Yes	Go to Step 3.
		No	Not able to change particular tracks.
			Not able to change any tracks.
2	INSPECT CD <ul style="list-style-type: none"> Inspect condition of CD where error has occurred. Is CD okay? Note <ul style="list-style-type: none"> In some cases, not all CD-R/CD-RW will play. 	Yes	Go to next step.
		No	Repair (remove foreign material) or replace CD, then go to next step.
3	INSPECT CD PLAYER (UPPER MODULE) <ul style="list-style-type: none"> Clear DTC. Play CD and select other song (change tracks). Start on-board diagnostic test mode. Is DTC 03:Er02 displayed? 	Yes	Replace CD player (upper module).
		No	Troubleshooting completed.

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DTC 03:ER07

A5U092066900W18

DTC 03:Er07	CD player (upper module)
DETECTION CONDITION	Note <ul style="list-style-type: none"> When error occurs, error message "CHECK CD" is displayed in the LCD. Base unit detects CD reading error.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective CD (scratches or dirt) CD player (upper module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	INSPECT CD <ul style="list-style-type: none"> Inspect condition of CD where error has occurred. Is CD okay? Note <ul style="list-style-type: none"> In some cases, not all CD-R/CD-RW will play. 	Yes	Go to next step.
		No	Repair (remove foreign material) or replace CD, then go to next step.
2	INSPECT CD PLAYER (UPPER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert and play CD with no defect. Start on-board diagnostic test mode. Is DTC 03:Er07 displayed? 	Yes	Replace CD player (upper module).
		No	Troubleshooting completed.

ENTERTAINMENT

DTC 00:Er01

A5U092066900W19

DTC 00:Er01	Cassette deck (lower module)
DETECTION CONDITION	<ul style="list-style-type: none"> Cassette deck (lower module) cannot implement insert and eject commands.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective cassette tape (deformation, broken, or foreign material stuck/attached) Cassette deck (lower module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	<ul style="list-style-type: none"> Is cassette tape able to be ejected? 	Yes Go to next step.
		No Replace cassette deck (lower module).
2	INSPECT CASSETTE TAPE <ul style="list-style-type: none"> Inspect condition of cassette tape where error has occurred. Is cassette tape okay? 	Yes Go to next step.
		No Repair (remove foreign material) or replace cassette tape, then go to next step.
3	INSPECT CASSETTE DECK (LOWER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert and eject cassette tape with no defect. Start on-board diagnostic test mode. Is DTC 00:Er01 displayed? 	Yes Replace cassette deck (lower module).
		No Troubleshooting completed.

DTC 00:Er03

A5U092066900W20

DTC 00:Er03	Cassette deck (lower module)
DETECTION CONDITION	<ul style="list-style-type: none"> Base unit detects that reel built into cassette deck does not operate.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective cassette tape (tape slack, pinched tape in internal cassette deck) Cassette deck (lower module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT CASSETTE TAPE <ul style="list-style-type: none"> Inspect condition of cassette tape where error has occurred. Is cassette tape okay? 	Yes Go to next step.
		No Repair (remove tape slack or repair pinched tape) or replace cassette tape, then go to next step.
2	INSPECT CASSETTE DECK (LOWER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert cassette tape with no defect. Play cassette tape for 20 seconds or more. Start on-board diagnostic test mode. Is DTC 00:Er03 displayed? 	Yes Replace cassette deck (lower module).
		No Troubleshooting completed.

ENTERTAINMENT

DTC 00:ER04

A5U092066900W21

DTC 00:Er04	Cassette tape
DETECTION CONDITION	Note <ul style="list-style-type: none"> When error occurs, error message "CHECK TAPE" is displayed in the LCD. Cassette tape is worn out.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Tape wear Cassette deck (lower module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT CASSETTE TAPE <ul style="list-style-type: none"> Inspect condition of cassette tape where error has occurred. Is cassette tape okay? 	Yes Go to next step.
		No Replace cassette tape, then go to next step.
2	INSPECT CASSETTE DECK (LOWER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert cassette tape with no defect. Play cassette tape for 20 seconds or more. Start on-board diagnostic test mode. Is DTC 00:Er04 displayed? 	Yes Replace cassette deck (lower module).
		No Troubleshooting completed.

DTC 05:ER01

A5U092066900W22

DTC 05:Er01	CD changer (external type)
DETECTION CONDITION	<ul style="list-style-type: none"> Changer function does not operate.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective CD (broken or foreign material) Magazine malfunction CD changer (external type) malfunction

09-20

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY WHETHER MALFUNCTION IS IN CD CHANGER OR OTHER PARTS <ul style="list-style-type: none"> Operate changer function. Is function okay? 	Yes Go to Step 4.
		No Not able to change particular CD. Go to next step.
		No Not able to change any CD. Go to Step 3.
2	INSPECT CD <ul style="list-style-type: none"> Inspect condition of CD where error has occurred. Is CD okay? Note <ul style="list-style-type: none"> In some cases, not all CD-R/CD-RW will play. 	Yes Go to next step.
		No Repair (remove foreign material) or replace CD, then go to next step.
3	INSPECT MAGAZINE <ul style="list-style-type: none"> Inspect magazine. Is magazine okay? 	Yes Go to next step.
		No Repair or replace magazine, then go to next step.
4	INSPECT CD CHANGER (EXTERNAL TYPE) <ul style="list-style-type: none"> Clear DTC. Operate changer function. Start on-board diagnostic test mode. Is DTC 05:Er01 displayed? 	Yes Replace CD changer (external type).
		No Troubleshooting completed.

ENTERTAINMENT

DTC 05:Er07

A5U092066900W23

DTC 05:Er07	CD changer (external type)
DETECTION CONDITION	Note <ul style="list-style-type: none"> When error occurs, error message "CHECK CD" is displayed in the LCD. Base unit detects CD reading error.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective CD (scratches or dirt) CD changer (external type) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	VERIFY WHETHER MALFUNCTION IS IN CD CHANGER OR OTHER PARTS <ul style="list-style-type: none"> Play all CD in magazine. Is CD changer able to read them properly? 	Yes	Go to Step 3.
		No	Not able to change particular CD.
			Not able to change any CD. Go to Step 3.
2	INSPECT CD <ul style="list-style-type: none"> Inspect condition of CD where error has occurred. Is CD okay? Note <ul style="list-style-type: none"> In some cases, not all CD-R/CD-RW will play. 	Yes	Go to next step.
		No	Repair (remove foreign material) or replace CD, then go to next step.
3	INSPECT CD CHANGER (EXTERNAL TYPE) <ul style="list-style-type: none"> Clear DTC. Insert and play CD with no defect. Start on-board diagnostic test mode. Is DTC 05:Er07 displayed? 	Yes	Replace CD changer (external type).
		No	Troubleshooting completed.

DTC 06:Er01

A5U092066900W24

DTC 06:Er01	CD changer (upper module)
DETECTION CONDITION	<ul style="list-style-type: none"> CD changer (upper module) cannot implement insert, eject, disc change commands.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective CD (broken or foreign material stuck/attached) CD changer (upper module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	<ul style="list-style-type: none"> Is CD able to be ejected? 	Yes	Go to next step.
		No	Replace CD changer (upper module).
2	INSPECT CD <ul style="list-style-type: none"> Inspect condition of CD where error has occurred. Is CD okay? Note <ul style="list-style-type: none"> In some cases, not all CD-R/CD-RW will play. 	Yes	Go to next step.
		No	Repair (remove foreign material) or replace CD, then go to next step.
3	INSPECT CD CHANGER (UPPER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert and eject CD with no defect. Start on-board diagnostic test mode. Is DTC 06:Er01 displayed? 	Yes	Replace CD changer (upper module).
		No	Troubleshooting completed.

ENTERTAINMENT

DTC 06:Er02

A5U092066900W25

DTC 06:Er02	CD changer (upper module)
DETECTION CONDITION	Note <ul style="list-style-type: none"> When error occurs, error message "CHECK CD" is displayed in the LCD. Cannot play CD normally or change tracks.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective CD (scratches or dirt) CD changer (upper module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	VERIFY WHETHER MALFUNCTION IS IN CD CHANGER (UPPER MODULE) OR CD <ul style="list-style-type: none"> Play all CDs in changer and select other song (change tracks). Is CD changer able to change tracks? 	Yes	Go to Step 3.
		No	Not able to change particular tracks.
			Not able to change any tracks.
2	INSPECT CD <ul style="list-style-type: none"> Inspect condition of CD where error has occurred. Is CD okay? Note <ul style="list-style-type: none"> In some cases, not all CD-R/CD-RW will play. 	Yes	Go to next step.
		No	Repair (remove foreign material) or replace CD, then go to next step.
3	INSPECT CD CHANGER (UPPER MODULE) <ul style="list-style-type: none"> Clear DTC. Play CD and select other song (change tracks). Start on-board diagnostic test mode. Is DTC 06:Er02 displayed? 	Yes	Replace CD changer (upper module).
		No	Troubleshooting completed.

09-20

DTC 06:Er07

A5U092066900W26

DTC 06:Er07	CD changer (upper module)
DETECTION CONDITION	Note <ul style="list-style-type: none"> When error occurs, error message "CHECK CD" is displayed in the LCD. Base unit detects CD reading error.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective CD (scratches or dirt) CD changer (upper module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION	
1	VERIFY WHETHER MALFUNCTION IS IN CD CHANGER (UPPER MODULE) OR CD <ul style="list-style-type: none"> Play all CDs in changer. Is CD changer able to read them properly? 	Yes	Go to Step 3.
		No	Not able to read particular CD.
			Not able to read any CD.
2	INSPECT CD <ul style="list-style-type: none"> Inspect condition of CD where error has occurred. Is CD okay? Note <ul style="list-style-type: none"> In some cases, not all CD-R/CD-RW will play. 	Yes	Go to next step.
		No	Repair (remove foreign material) or replace CD, then go to next step.
3	INSPECT CD CHANGER (UPPER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert and play CD for 12 seconds or more. Start on-board diagnostic test mode. Is DTC 06:Er07 displayed? 	Yes	Replace CD changer (upper module).
		No	Troubleshooting completed.

09-20-21

ENTERTAINMENT

DTC 07:ER01

A5U092066900W27

DTC 07:Er01	MD player (lower module)
DETECTION CONDITION	<ul style="list-style-type: none"> MD player (lower module) cannot implement insert and eject commands.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective MD (broken or foreign material stuck/attached) MD player (lower module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	<ul style="list-style-type: none"> Is MD able to be ejected? 	Yes Go to next step.
		No Replace MD player (lower module).
2	INSPECT MD <ul style="list-style-type: none"> Inspect condition of MD where error has occurred. Is MD okay? 	Yes Go to next step.
		No Repair (remove foreign material) or replace MD, then go to next step.
3	INSPECT MD PLAYER (LOWER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert and eject MD with no defect. Start on-board diagnostic test mode. Is DTC 07:Er01 displayed? 	Yes Replace MD player (lower module).
		No Troubleshooting completed.

DTC 07:ER02

A5U092066900W28

DTC 07:Er02	MD player (lower module)
DETECTION CONDITION	Note <ul style="list-style-type: none"> When error occurs, error message "CHECK MD" is displayed in the LCD. Cannot play MD normally or change tracks.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective MD (scratches or dirt) MD player (lower module) malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY WHETHER MALFUNCTION IS IN MD PLAYER (LOWER MODULE) OR MD <ul style="list-style-type: none"> Play MD and select other song (change tracks). Is MD player able to change tracks? 	Yes Go to Step 3.
		Not able to change particular tracks. Go to next step.
		Not able to change any tracks. Change MD and perform tracks-change again. <ul style="list-style-type: none"> If MD player change tracks, then go to Step 3. If not, replace MD player (lower module).
2	INSPECT MD <ul style="list-style-type: none"> Inspect condition of MD where error has occurred. Is MD okay? 	Yes Go to next step.
		No Repair (remove foreign material) or replace MD, then go to next step.
3	INSPECT MD PLAYER (LOWER MODULE) <ul style="list-style-type: none"> Clear DTC. Play MD and select other song (change tracks). Start on-board diagnostic test mode. Is DTC 07:Er02 displayed? 	Yes Replace MD player (lower module).
		No Troubleshooting completed.

DTC 07:ER07

A5U092066900W29

DTC 07:Er07	MD player (lower module)
DETECTION CONDITION	Note <ul style="list-style-type: none"> When error occurs, error message "CHECK MD" is displayed in the LCD. Base unit detects MD reading error.
POSSIBLE CAUSE	<ul style="list-style-type: none"> Defective MD (scratches or dirt) MD player (lower module) malfunction

ENTERTAINMENT

Diagnostic procedure

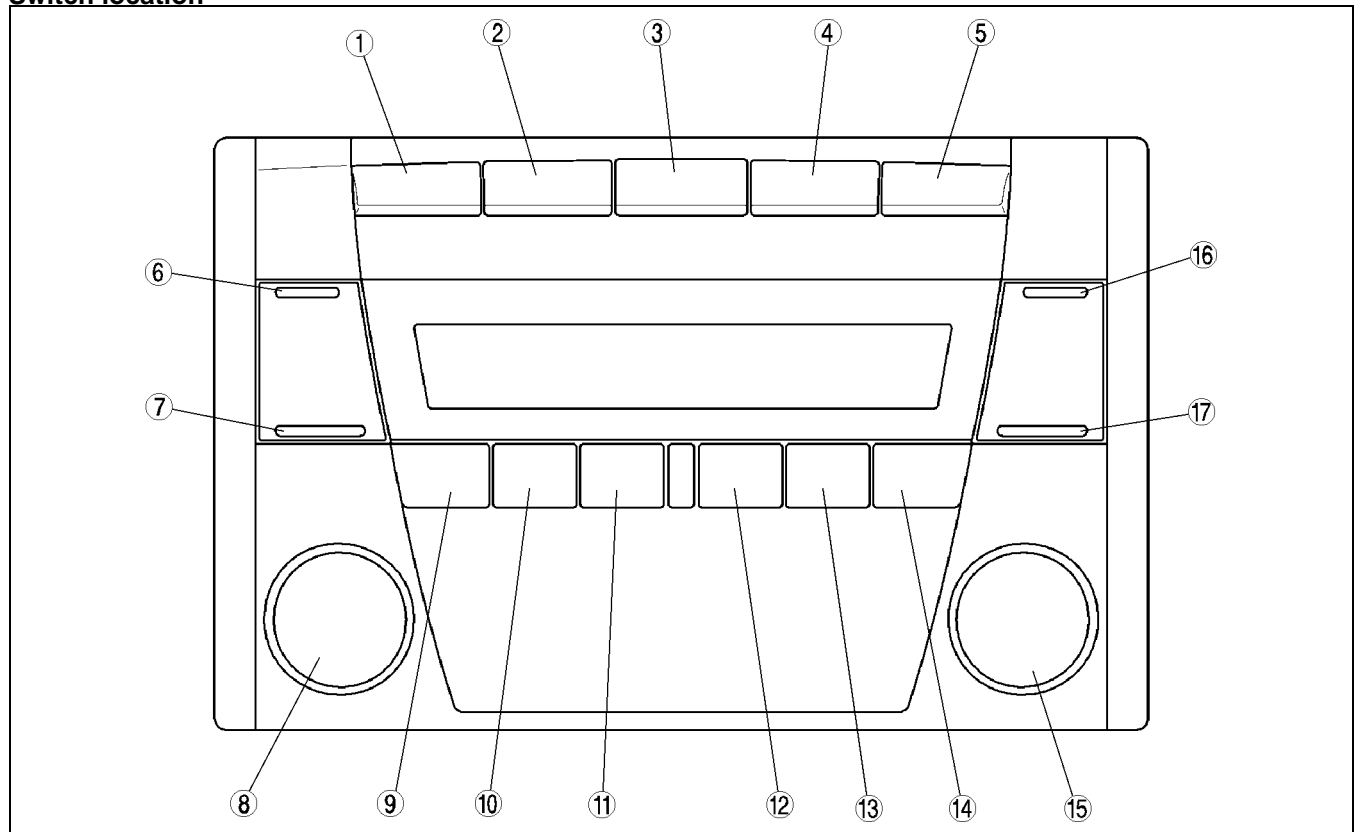
STEP	INSPECTION	ACTION
1	INSPECT MD <ul style="list-style-type: none"> Inspect condition of MD where error has occurred. Is MD okay? 	Yes Go to next step.
		No Repair (remove foreign material) or replace MD, then go to next step.
2	INSPECT MD PLAYER (LOWER MODULE) <ul style="list-style-type: none"> Clear DTC. Insert and play MD for 12 seconds or more. Start on-board diagnostic test mode. Is DTC 07:Er07 displayed? 	Yes Replace MD player (lower module).
		No Troubleshooting completed.

DIAGNOSTIC ASSIST FUNCTION

A5U092066900W30

Structural View

Switch location




YLE8124W004

1	FM1/2 button
2	AM button
3	CD button
4	MD/TAPE button
5	CLOCK button
6	SEEK button (upper)
7	SEEK button (lower)
8	POWER/VOL button
9	Preset button "1"

10	Preset button "2"
11	Preset button "3"
12	Preset button "4"
13	Preset button "5"
14	Preset button "6"
15	AUDIO CONT/TUNE button
16	SCAN button
17	AUTO-M button

LCD inspection

1. With audio on, first press the POWER button and hold it, then press the SEEK button (upper) for **approximately 1 second**.
2. Inspect the LCD according to the following table:

Inspection	Display	Action	
Start LCD inspection mode.		Characters displayed in LCD are not truncated or faint.	LCD is okay.
		Other than above.	Replace base unit.

3. Turn the audio off or the ignition switch to the LOCK position to stop the diagnostic assist function.

Button inspection

1. With audio on, first press the POWER button and hold it, then press the CLOCK button for **approximately 1 second**.
2. Inspect the button according to the following table:

Note

- The button inspection mode is designed for base unit button. The following lower module button cannot be inspected in this mode. (A buzz will not sound.)
 - Cassette deck: DOLBY button, EJECT button
 - MD player: DISP button, EJECT button

Inspection	Display	Action	
<ul style="list-style-type: none"> • Start button inspection mode. • Press the all buttons. 	—	Buzzer sound.	Button is okay.
		Buzzer dose not sound.	Replace base unit.

3. Turn the audio off or the ignition switch to the LOCK position to stop the diagnostic assist function.

Speaker inspection

1. With audio on, first press the POWER button and hold it, then press the AUTO-M button for **approximately 1 second**.
2. Inspect the speaker according to the following table:




Inspection	Display	Action	
<ul style="list-style-type: none"> • Start speaker inspection mode. • Does each speaker output sound in the following order? <ol style="list-style-type: none"> 1. Left front door speaker and tweeter 2. Right front door speaker and tweeter 	—	Yes	Speakers and wiring harness between base unit and speakers are okay.
		No	Inspect the following parts. <ul style="list-style-type: none"> • Malfunctioning speaker • Wiring harness between base unit and malfunctioning speaker

3. Turn the audio off or the ignition switch to the LOCK position to stop the diagnostic assist function.

Radio reception condition inspection

1. With audio on and at radio mode, first press the POWER button and hold it, then press the preset button "2" for **approximately 1 second**.
2. Inspect the radio reception condition according to the following table:

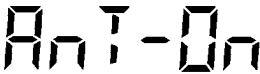

ENTERTAINMENT

Inspection	Display	Action
Start radio reception condition inspection mode.	NORMAL  5 GRADUATIONS OR ABOVE	Antenna, antenna feeder, and base unit are okay.
	 3-4 GRADUATIONS	Change frequency (channel) and inspect again.
	MALFUNCTIONING  2 GRADUATIONS OR BELOW	Inspect antenna and antenna feeder. <ul style="list-style-type: none"> • If either or them is not okay, replace malfunctioning part. • If both are okay, replace base unit.

3. Turn the audio off or the ignition switch to the LOCK position to stop the diagnostic assist function.

Power antenna inspection

1. With audio on and at radio mode, first press the POWER button and hold it, then press the AM button for **approximately 1 second**.
2. Inspect the power antenna according to the following table:

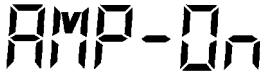
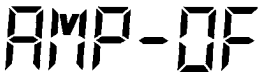
Inspection	Display	Action	
Start power antenna inspection mode.	NORMAL  POWER ANTENNA OPERATING SIGNAL IS OUTPUT	Speakers output sound.	System is okay.
		Speakers do not output sound.	Inspect power antenna and wiring harness between base unit and power antenna.
	MALFUNCTIONING  AUDIO AMPLIFIER OPERATING SIGNAL IS NOT OUTPUT	Replace base unit.	

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3. Turn the audio off or the ignition switch to the LOCK position to stop the diagnostic assist function.

Audio amplifier (external) inspection

1. With audio on, first press the POWER button and hold it, then press the SCAN button for **approximately 1 second**.
2. Inspect the audio amplifier (external) according to the following table:

Inspection	Display	Action	
Start audio amplifier (external) inspection mode.	NORMAL  AUDIO AMPLIFIER OPERATING SIGNAL IS OUTPUT	Speakers output sound.	System is okay.
		Speakers do not output sound.	Inspect following parts. — audio amplifier (external) — Speakers — Wiring harness (Base unit—audio amplifier (external))
	MALFUNCTIONING  AUDIO AMPLIFIER OPERATING SIGNAL IS NOT OUTPUT	Replace base unit.	

3. Turn the audio off or the ignition switch to the LOCK position to stop the diagnostic assist function.

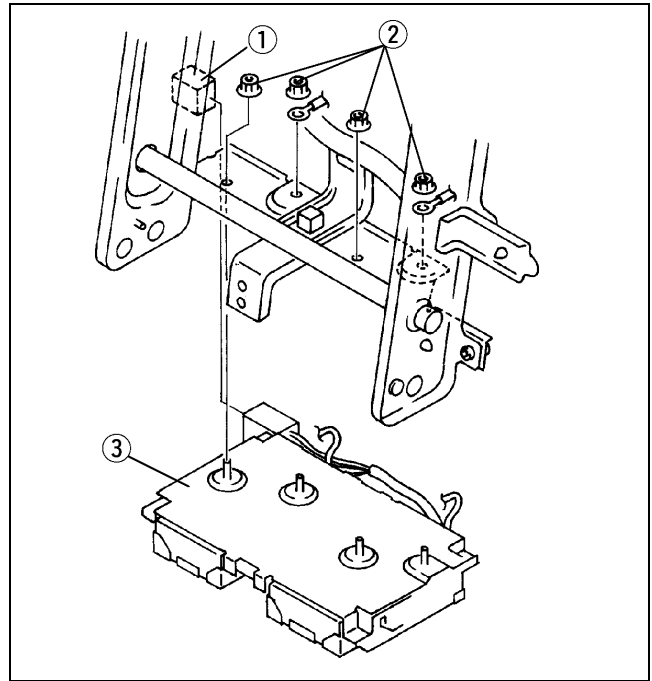
AUDIO AMPLIFIER REMOVAL/INSTALLATION

A5U092066910W01

1. Disconnect the negative battery cable.
2. Remove the dashboard. (See 09–17–2 DASHBOARD REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

1	Audio amplifier connector
2	Nut
3	Audio amplifier

4. Install in the reverse order of removal.

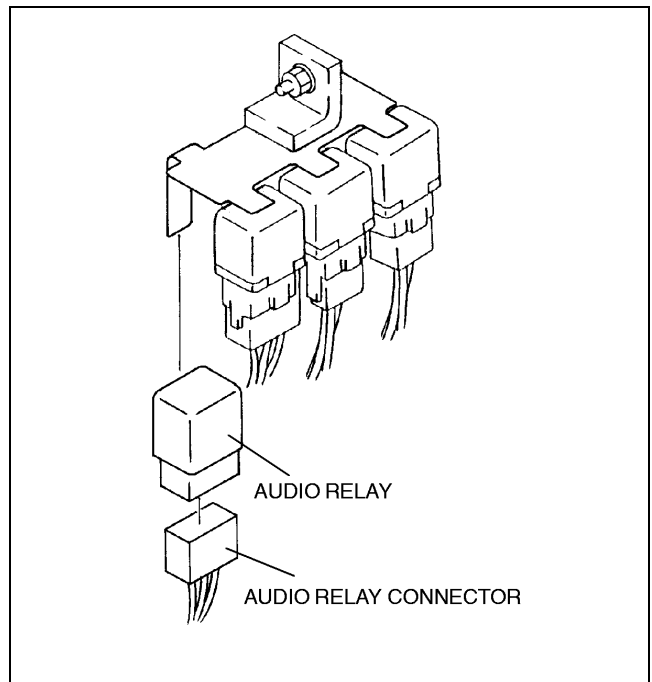


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AUDIO RELAY REMOVAL/INSTALLATION

A5U092067740W01

1. Disconnect the negative battery cable.
2. Remove the center lower panel. (See 09–17–4 CENTER PANEL REMOVAL/INSTALLATION.)
3. Disconnect the audio relay connector.
4. Remove the audio relay.
5. Install in the reverse order of removal.



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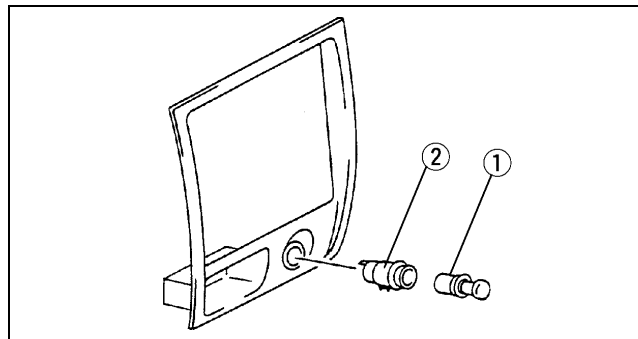
CIGARETTE LIGHTER REMOVAL/INSTALLATION

A5U092067000W01

1. Disconnect the negative battery cable.
2. Remove the center panel. (See 09-17-4 CENTER PANEL REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

1	Cigarette lighter plug
2	Socket (See 09-20-27 Socket Removal Note)

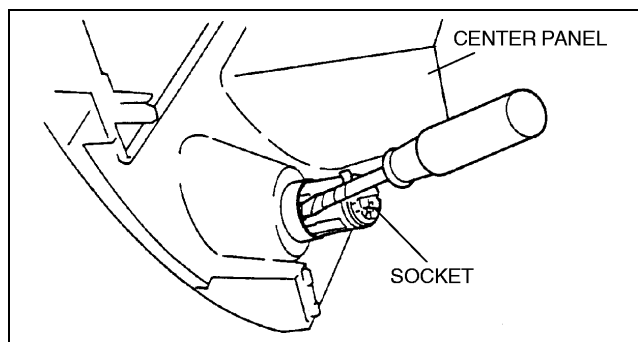
4. Install in the reverse order of removal.



X5U920WAV

Socket Removal Note

1. Pry up the stopper with the tape-wrapped flathead screwdriver.
2. Pull the socket while prying up the stopper.



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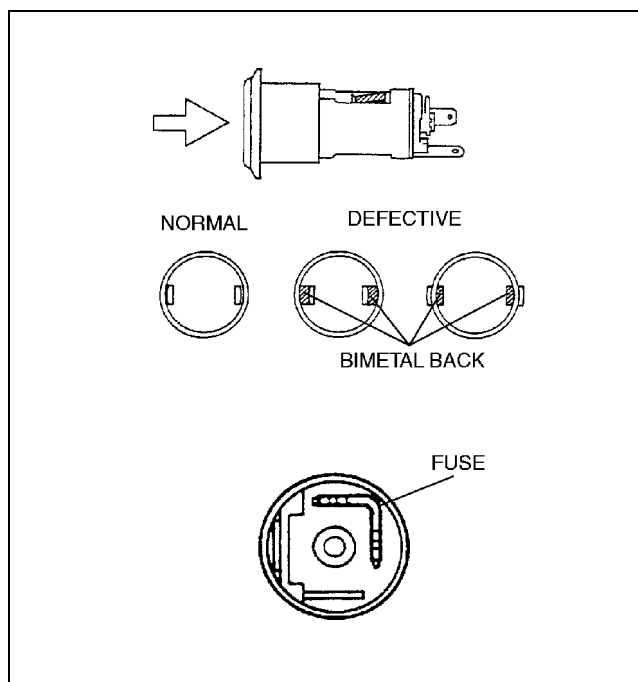
CIGARETTE LIGHTER INSPECTION

A5U092067000W02

Note

- Verify that the cigarette lighter plug will move normally within **20—30 seconds**, after pressing the plug into the socket.
— If the fuse does not move, perform the following procedures.

1. Remove the socket. (See 09-20-27 CIGARETTE LIGHTER REMOVAL/INSTALLATION.)
2. Verify the bimetals in the socket are not warped.
3. Inspect if the backs of the bimetals can be seen from the inside or outside.
 - If the back of the bimetal can be seen from the inside, replace the socket.
 - If the fuse has been burnt, replace the socket.
 - If the bimetal and the socket are normal, replace the cigarette lighter plug.



Z5U0920W010