

Part Number: TMS-SA-FJ

Code:

Kit Contents

Item #	Quantity Req'd.	Description
1	2	Rear Speaker Assembly
2	2	Replacement Grilles

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	8	Push nuts for Grilles

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

Conflicts with factory installed rear speakers

Recommended Tools

Personal & Vehicle Protection	Notes
Vehicle Protection	Seat/Floor Covers
Part Protection	Blankets
Special Tools	Notes
Dremel Tool	
Dremel Cable Tool	
FJ Cable Tool Guide	
Installation Tools	Notes
Panel Removal Tool	Nylon Removal Tool (NRT)
Pliers	1. Diagonal Cutters 2. Long Nose (optional)
Screwdriver	Magnetized Philips # 2
Screwdriver	Magnetized Philips # 1
Panel Cutout Template	Spiral Bit
Torque Wrench 36"lbs	3/32" Drill Bit
Special Chemicals	Notes
Cleaner	

General Applicability

Conflicts with factory installed rear speakers

Recommended Sequence of Application

Item #	Accessory
1	Install Security/Audio
2	Install Bazooka Tube
3	Install Door Sills
4	Install Molded Dash

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1		

Legend

 **STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.

 **OPERATOR SAFETY:** Use caution to avoid risk of injury.

 **CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

 **TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

 **REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

Speaker Specifications / Replacement Parts

Size	3.5 inch (nominal)
Frequency Response	125 Hz – 20kHz
Magnet Size	8 oz.
Efficiency	90 dB
Power Handling	45 watts each
Weight	2 lbs.
Impedance	4 ohms

SPECIAL NOTE: Installation Sequences

After **TMS** and **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

Procedure

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

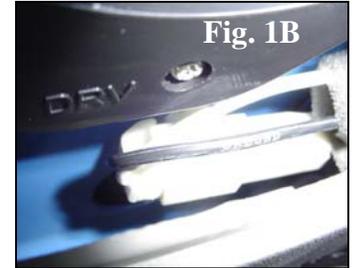
These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

1. Install Speaker.

- (a) Using NRT, remove blank panel. Fig 1A.
- (b) Plug wiring harness into plug behind panel. Fig 1B.
- (c) Hold speaker in place, and hand tighten silver screws as indicated to swing locks out behind speaker assembly until tight against sheet metal. Over tightening could break assembly. Fig 1C.



2. Cut Speaker Cover



- (a) Using supplied template and Dremel tool, cut the panel as shown in figure 2A.
- (b) Using supplied template drill (4) 3/32 holes in panel as shown in figure 2B.



3. Install Grille into Speaker Cover

NOTE: Use side cutters to trim ribs on back of cover. Fig 3A

- (a) Using supplied push nuts, carefully secure four mounting posts on Grille as shown in figure 3A
- (b) Reinstall Speaker Cover / Grille Assembly.

TOYOTA FJ CRUISER 2007 - REAR SPEAKER UPGRADE
Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

Look For:

Accessory Function Checks

- Turn on Radio
- Verify CD & Satellite Tuner (if equipped)

- Antenna is functioning

Radio display turns on & sound is heard

CD player functions & Satellite Tuner
stations are playing (if equipped)

Reception of AM/FM stations

.

Vehicle Function Checks

- Hazard Button
- HVAC
- Rear Window Defogger
- Passenger Seat Belt Warning Light

Functioning Hazard Lights

All HVAC controls function properly

Functioning Rear Window Defogger

Functioning Seat Belt Warning Light



Troubleshooting

Condition: _____

No sound from Rear Speakers, however
factory speakers still play

Distorted Sound

Low Sound If Bass Tube installed.

Rattling Noises

Check For: _____

1. Ensure speaker plugs are connected,
both at the plug into the vehicles harness
and on the back of the speaker.

1. Check for short in wiring between plug
and speaker.

1. Close the back hatch of the vehicle
2. Adjust the radio to a comfortable listening
level, and then turn the “gain control” knob
on the Bass Tube clockwise until the sound
becomes audible. Do not adjust the level too
high, as this will result in distorted sound.

Rattling will be evident in some panels at
extreme volume conditions, but make sure
you have performed the following to
minimize noise:

1. Securely tightened Mounting Hardware so
Speaker Assembly does not move.



Wire Harness Schematics

WIRING CONNECTOR SCHEMATICS:		
Speaker Connector		Vehicle Harness Connector
Speaker Connector		
Pin No.	Wire Color	Function
1	Black	Speaker (+)
2	N/A	Speaker (+)
Vehicle Harness Connector		
Pin No.	Wire Color	Function
1		Speaker (+)
2		Speaker (+)