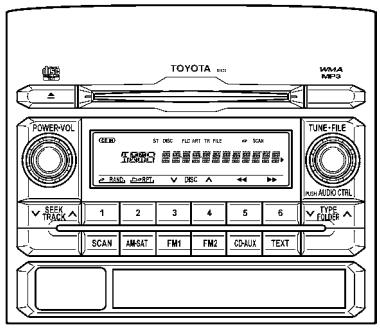
■AUDIO SYSTEM

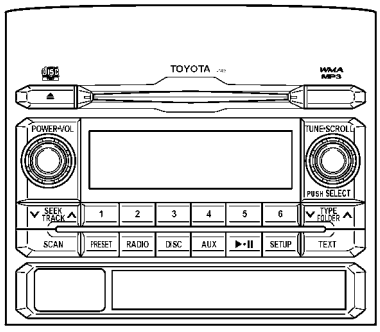
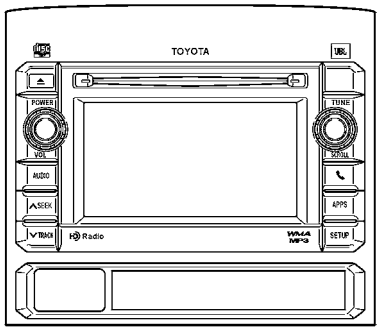
1. General

- The JBL audio system has been changed to a premium display audio with JBL system, that has a 6.1-inch Thin Film Transistor (TFT) display, an audio function, a Bluetooth hands-free system, etc and can be operated through the touch screen interface controls. In addition, when an optional extension module assembly is mounted, a navigation system and other extension functions can be made available.
- The deluxe audio system has been changed to a radio receiver assembly that has a Vacuum Fluorescent Display (VFD) display and a Bluetooth hands-free system.
- For the entry audio system, the design of the radio receiver assembly has been changed.
- The illumination colors of all the audio systems have been changed to white so that the audio illumination fits other cabin interior components.
- Since the premium display audio with JBL system has been provided, the Bluetooth audio system and Bluetooth hands-free system functions have been changed.
- HD radio uses a special tuner to receive In-Band On-Channel (IBOC) type digital radio broadcasts, enabling users to enjoy radio broadcasts with high sound quality.
- In order to support portable audio devices, some of the audio systems newly employ an AUX interface port integrated with a USB interface adapter.
- The satellite radio antenna design has been changed.

▶ Audio Head Unit Specifications ◀

○: Standard OP: Option —: Not Equipped

Audio Head Unit	Design	Specification	Equipment			
			Regular Cab	Access Cab		Double Cab
					X-Runner	
Radio Receiver Assembly	 18RNF57Y	Entry Audio System ● Liquid Crystal Display (LCD) ● AM/FM Tuner ● CD Player ● CD-TEXT Display Function ● MP3 and WMA Playback Function ● Manufacturer: Delphi ● 4-speaker System or 6-speaker System ● Stereo Jack Adapter (AUX Port)	○	○	—	—

Audio Head Unit	Design	Specification	Equipment			
			Regular Cab	Access Cab		Double Cab
					X-Runner	
Radio Receiver Assembly	 18RNF58Y	Deluxe Audio System ● Vacuum Fluorescent Display (VFD) ● AM/FM Tuner ● CD Player ● CD-TEXT Display Function ● MP3 and WMA Playback Function ● Bluetooth Audio System ● Bluetooth Hands-free System ● SDARS System ● Manufacturer: Panasonic ● 6-speaker System or 7-speaker System ● Stereo Jack Adapter (USB and AUX Port) ● Voice Recognition Search (USB Audio System)	—	OP	○	○
Radio and Display Assembly	 18RNF59Y	Premium Display Audio with JBL System ● 6.1-inch Thin Film Transistor (TFT) ● AM/FM Tuner ● HD Radio Tuner ● CD Player ● CD-TEXT Display Function ● MP3 and WMA Playback Function ● Radio Station Mix Preset ● Bluetooth Audio System ● Bluetooth Hands-free System ● SDARS System ● Manufacturer: Panasonic ● 7-speaker System (JBL) ● Extension Module Assembly ● Stereo Jack Adapter (USB and AUX Port) ● Voice Recognition Search (USB Audio System)	—	—	—	OP*

*: Models other than Mexican destination package models

2. Bluetooth® Audio System

By changing the version of the Audio/Video Remote Control Profile (AVRCP), the music list function can be used in the Bluetooth® audio system employed by the premium display audio with JBL system.

Bluetooth® 001SI50Y

Bluetooth is a trademark owned by Bluetooth SIG, Inc.

Profile	'12 TACOMA (Premium Display Audio with JBL System)	'11 TACOMA (JBL Audio System)
Audio/Video Remote Control Profile (AVRCP)	Version 1.0 or higher (version 1.4 or higher recommended)	Version 1.0 or higher (version 1.3 or higher recommended)

NOTE: The cellular phone or portable player must support the specifications described above in order to be connected to the Bluetooth® audio system. Note that some functions may be limited due to the type of a portable player.

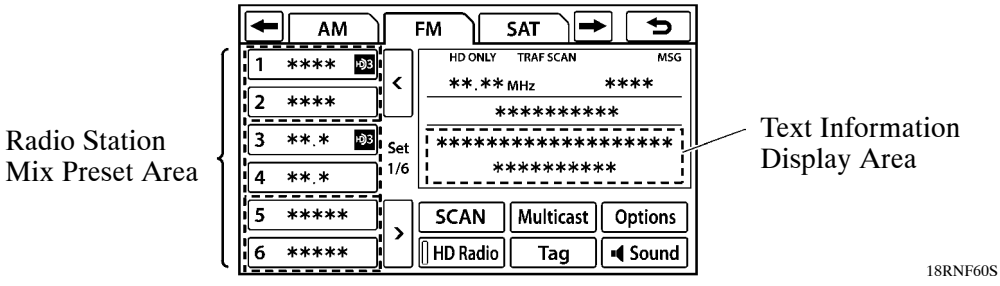
3. Bluetooth® Hands-free System

- A Message Access Profile (MAP) has been added to the operation profiles of the Bluetooth® hands-free system employed by the premium display audio with JBL system.
- When a Bluetooth phone is connected to the radio and display assembly, e-mails and Short Message Service (SMS) messages received on the phone can be displayed or read out (messages may not be displayed depending on the message service or profile that the connected Bluetooth phone supports).

4. Radio and display assembly (Premium Display Audio with JBL System)

6.1-inch Thin Film Transistor (TFT)

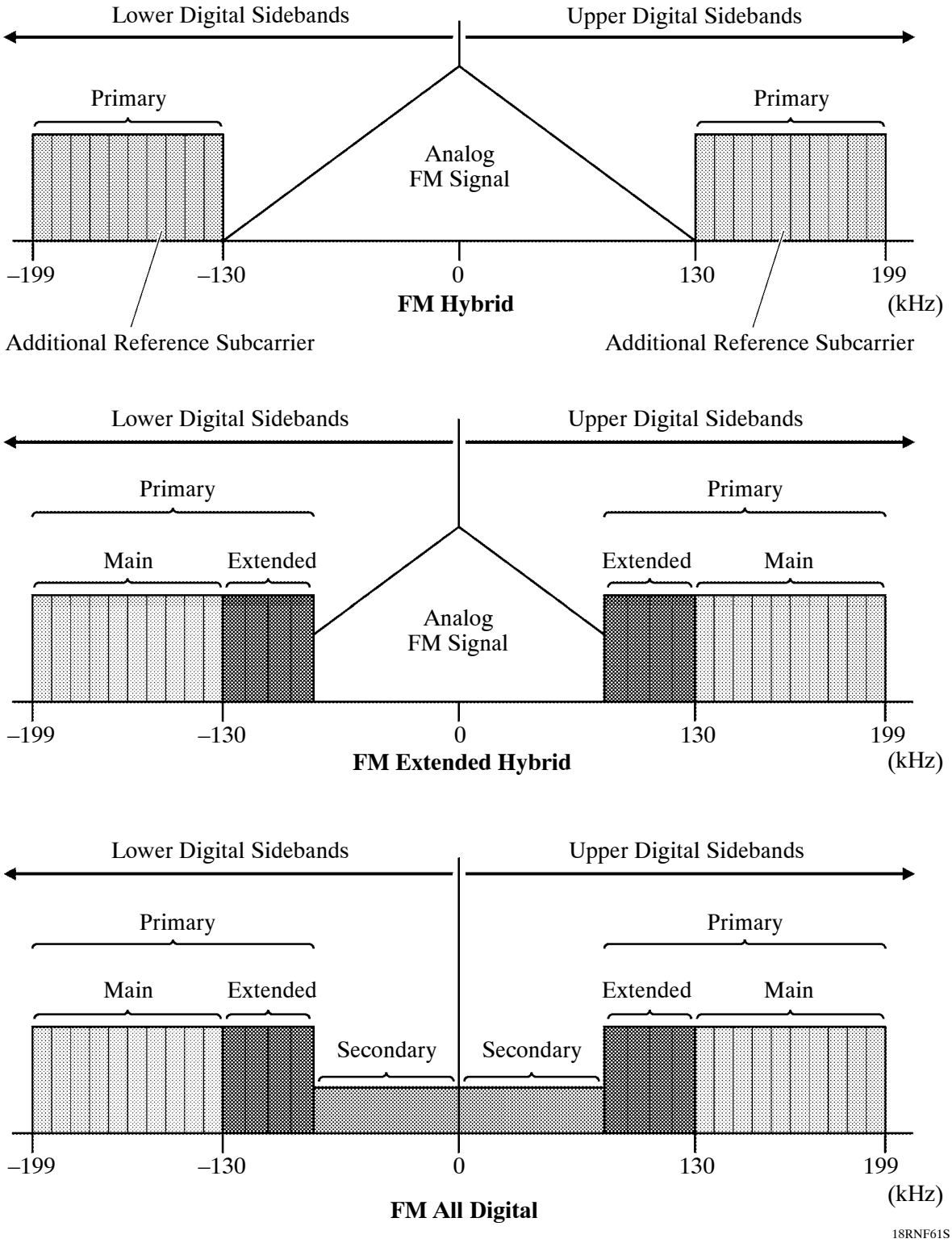
- A Thin Film Transistor (TFT) is used for the multi-display of the radio and display receiver assembly. The multi-display shows the audio screen, Bluetooth hands-free screen, etc. and can be operated using touch operation.
- On the radio screen of the radio and display receiver assembly, up to 6 radio station presets from different tuners can be displayed on the screen. Additionally, text information of the selected station can be displayed. It is possible to store 6 of 6 presets.



HD Radio

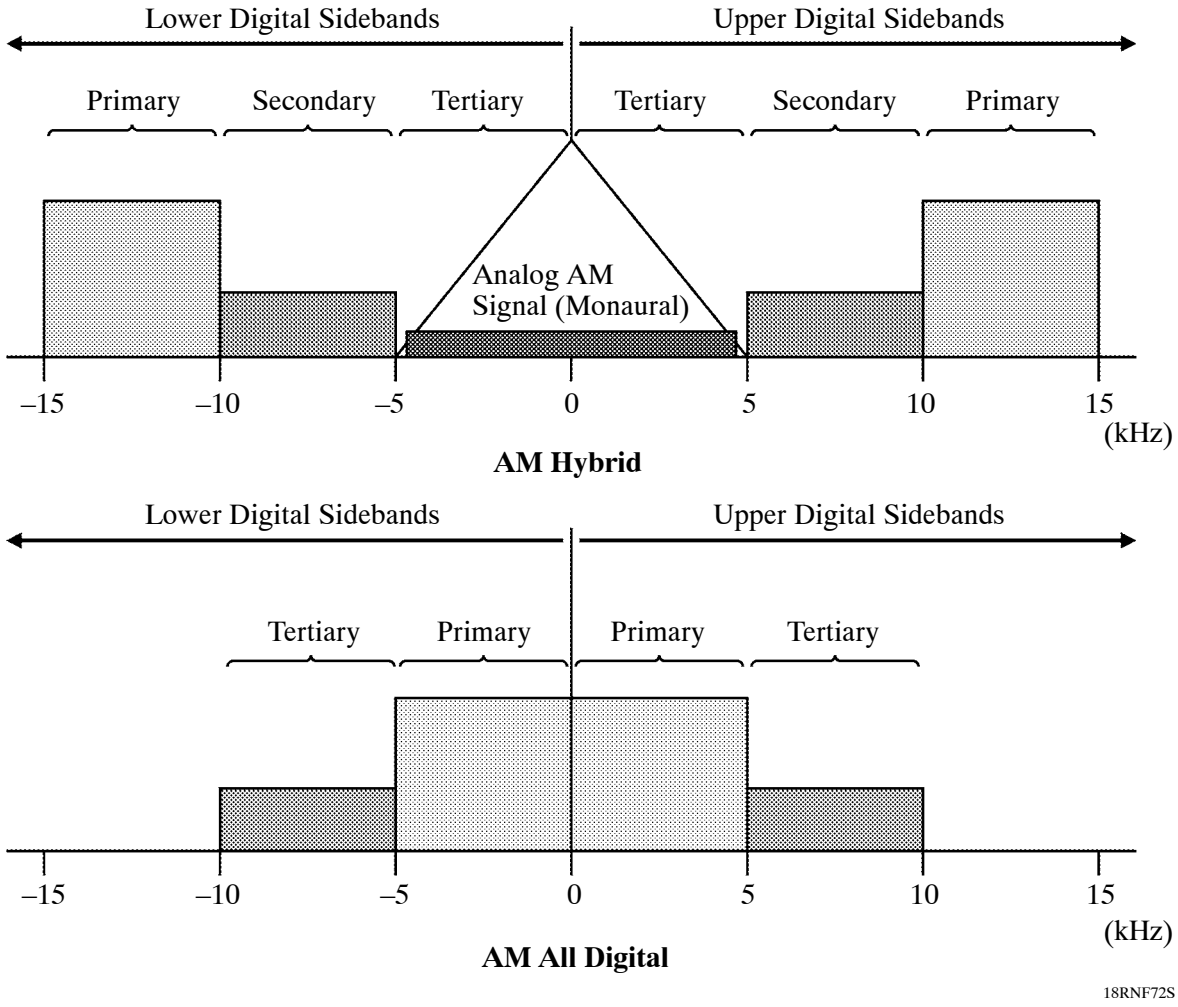
- In-Band On-Channel (IBOC) type digital radio broadcasts (HD Radio) can be received. In-Band On-Channel (IBOC) adds digital signals to the existing analog signal band range and both sidebands, enabling analog FM-sound quality for AM stations and CD-sound quality for FM stations. When the digital signals cannot be received, the radio automatically switches to analog signal reception mode.

▶ In-Band On-Channel (IBOC) FM Transmission Image ◀



18RNF61S

▶ In-Band On-Channel (IBOC) AM Transmission Image ◀



- The HD radio tuner can receive simple broadcast data along with digital audio broadcast data, enabling support for a multi-broadcast function. With this function, 2 programs, such as the main program and music, can be received simultaneously. Additionally, tag information from the received station can be stored in memory.

NOTE: HD Radio is a trademark of iBiquity Digital Corporation.

Voice Recognition Search System

Due to the Grapheme to Phoneme (G2P) function of converting sounds into text and the ability of the Gracenote MediaVOCS database to recognize nicknames, short names, abbreviations or pronunciations, a song in the USB audio system can be searched for by saying an artist name, album name, title or playlist name.



18RNF62S

Gracenote and MediaVOCS are trademarks owned by Gracenote.

— REFERENCE —

Music recognition technology and related data are provided by Gracenote.
Gracenote is the industry standard in music recognition technology and related content delivery. For more information, please visit www.gracenote.com.
One or more patents owned by Gracenote apply to this product and service.
See the Gracenote website for a non-exhaustive list of applicable Gracenote patents.
Gracenote, and MediaVOCS, the Gracenote logo and logotype are either registered trademarks or trademarks of Gracenote in the United States and/or other countries.

Function

The main functions of the radio and display screen are follows:

Item		Function
MEDIA	AM	AM radio operation
	FM	FM radio operation
	CD	CD player operation
	USB	USB portable audio player operation
	BT	Bluetooth-compatible portable player operation
	AUX	AUX portable audio player operation
SETUP	Display	– Screen off can be selected. – Adjust contrast can be set. – Brightness can be set.
	General	– Language can be selected. – Beep sound can be disabled or enabled. – Display captured image can be changed. – Animation can be disabled or enabled. – Delete personal data.
	Bluetooth	– Registered devices can be add new or removed. – Connect telephone can be set. – Connect audio player can be set. – Detailed Bluetooth setting.
	Phone	– Voice and ring volume adjustment. – Phonebook can be set. – Detailed telephone settings can be set.
	Audio	– Sound quality can be adjusted. – Automatic Sound Levelizer (ASL) can be selected.

The main functions of the extension module assembly are follows:

Item		Function
MAP NAVI		By adding the optional extension module assembly, the navigation system can be used. The navigation system analyzes the position of the vehicle and indicates that position on the map displayed on the screen.
Setup	General	The following menu entries refer only to the extension module assembly: – Automatic text scrolling – Unit of measurement – Navigation prompt volume – Phone volume – Ringtone volume – Voice dialog volume – Send stored contacts to USB
	Voice	The phone setup contains the following menu entries: – Start tutorial – Voice dialog volume
	Bluetooth	The Bluetooth setup contains the following options: – Bluetooth on/off – Search Bluetooth devices – Device list – Set PIN for pairing
	Phone	The phone setup contains the following menu entries: – Select ringtone – Announce incoming messages – Refresh phone book
Applications	Pictures	While the vehicle is parked, plays picture slideshow using photos stored in a connected USB storage device.
	Emails	Downloads delivered email messages from a Bluetooth phone and then reads out messages text through the speakers.
	Calendar	Downloads calendar, tasks and notes from a Bluetooth phone and then displays them on the screen.