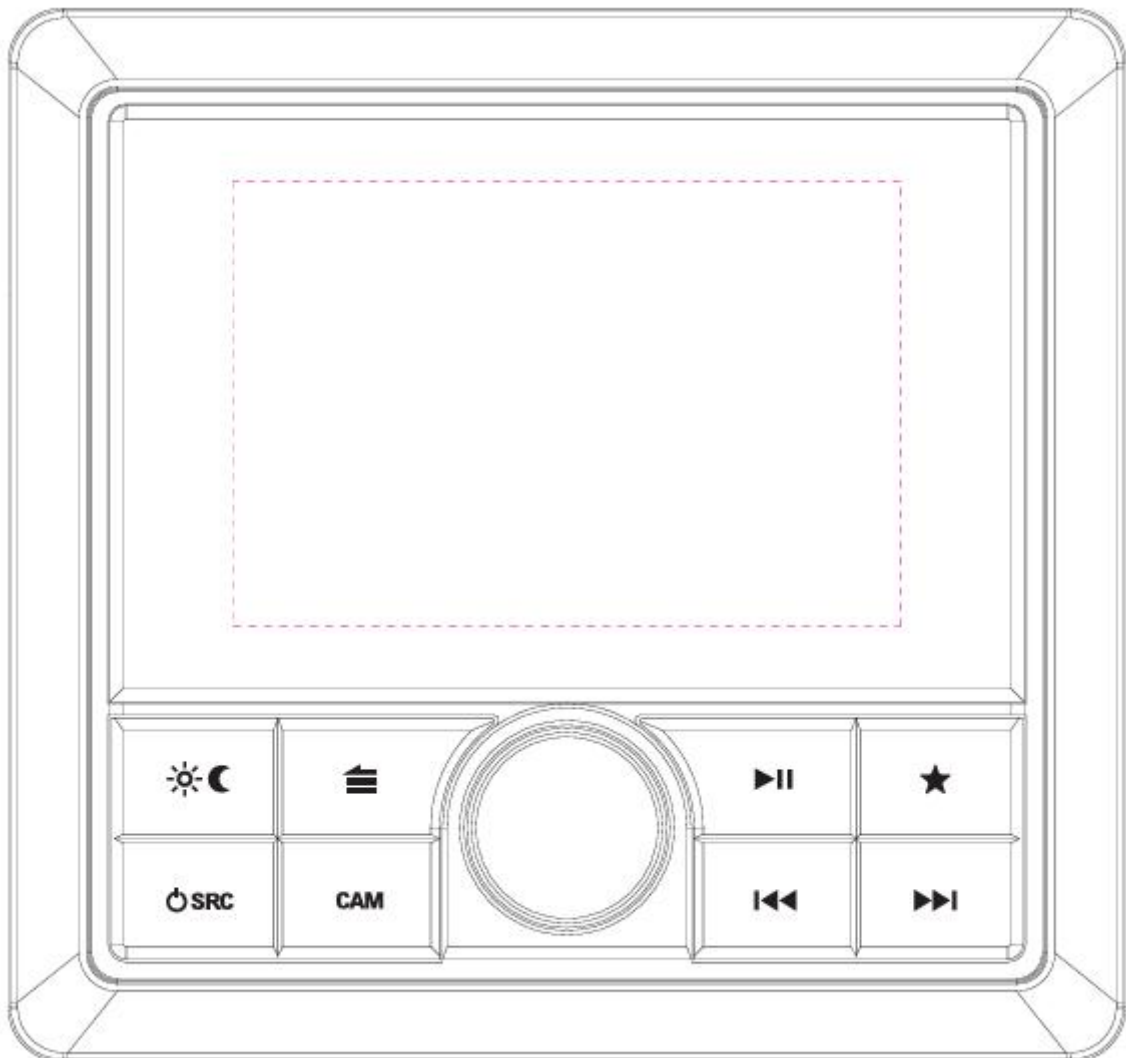


# OWNER'S MANUAL

M5E-TFT



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# INSTALLATION

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## Notes:

- Choose the mounting location where the unit will not interfere with the normal driving function of the driver.
- Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

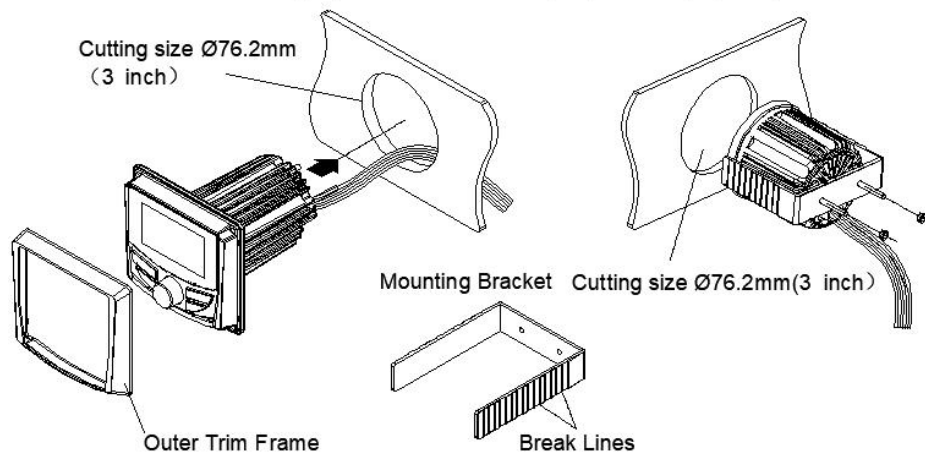
# INSTALLATION

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## Install Method 1

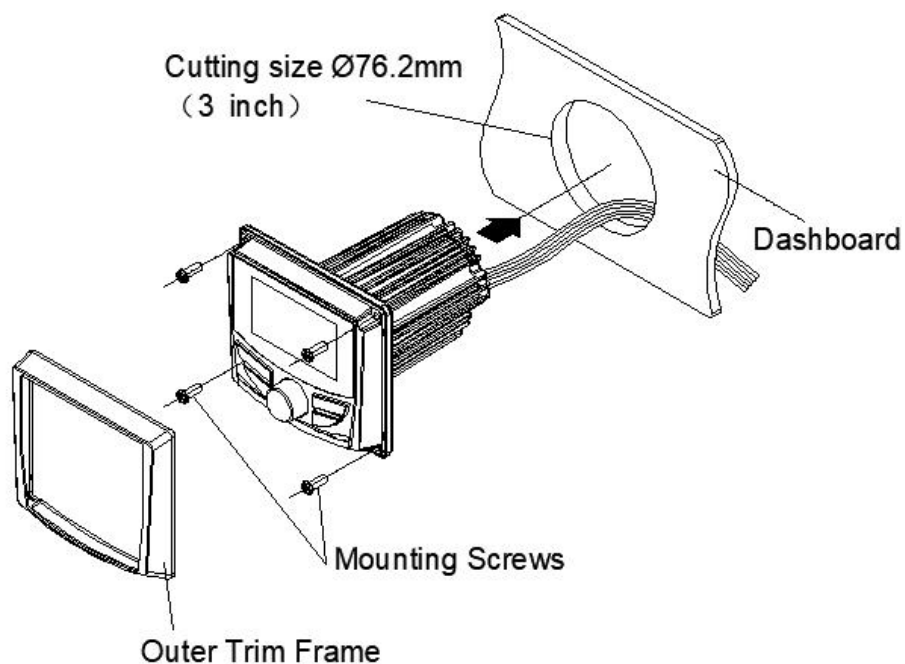
### Mounting

Once a suitable location has been determined, drill the hole and secure the stereo using the metal mounting bracket. If the bracket needs to be shortened, remove the appropriate number of breakaway segments using a pair of pliers.

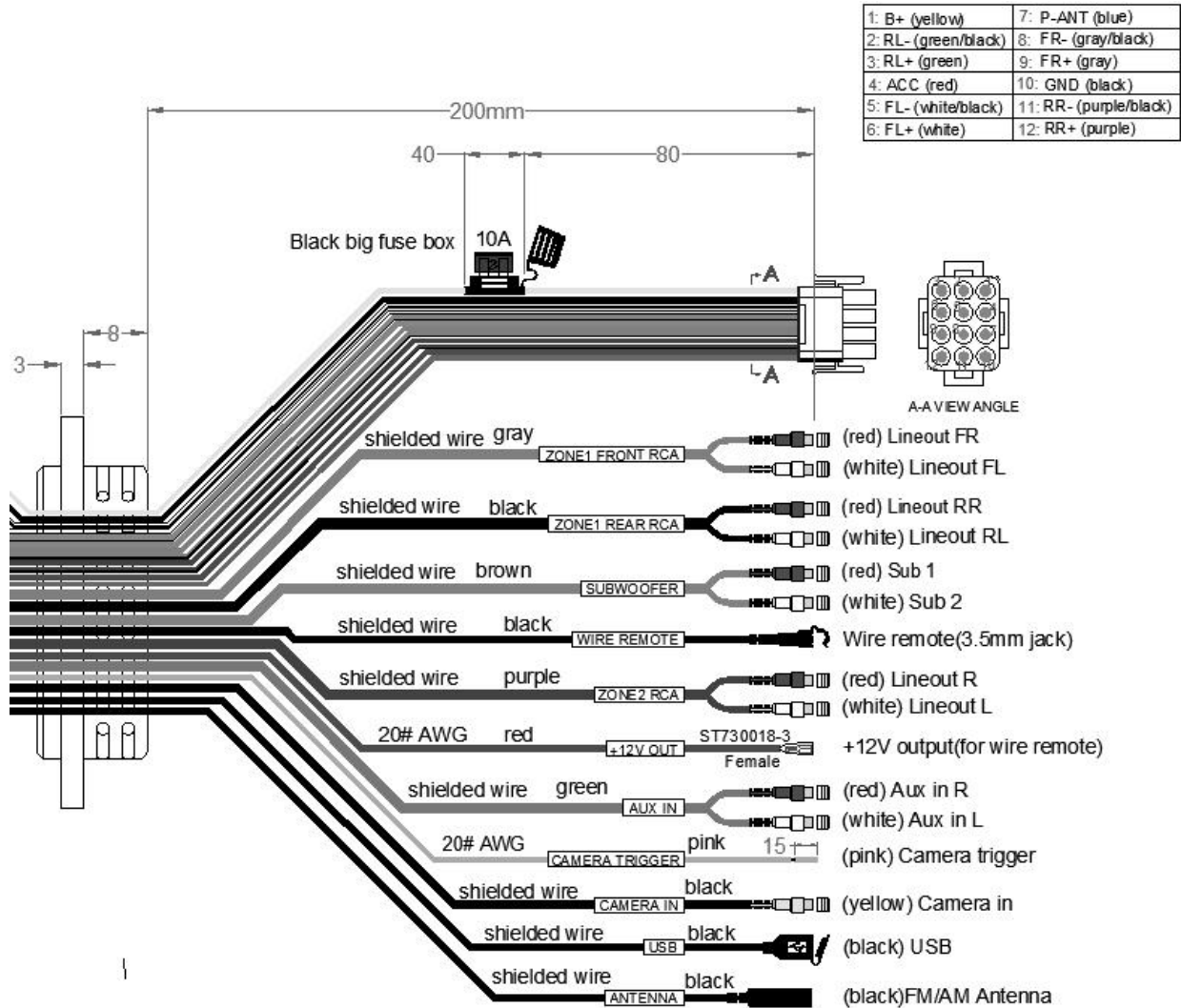


## Install Method 2

1. Take off the outer trim frame
2. Put the unit into 3 inch dashboard
3. Put 4 screws into the panel
4. Install the outer trim frame



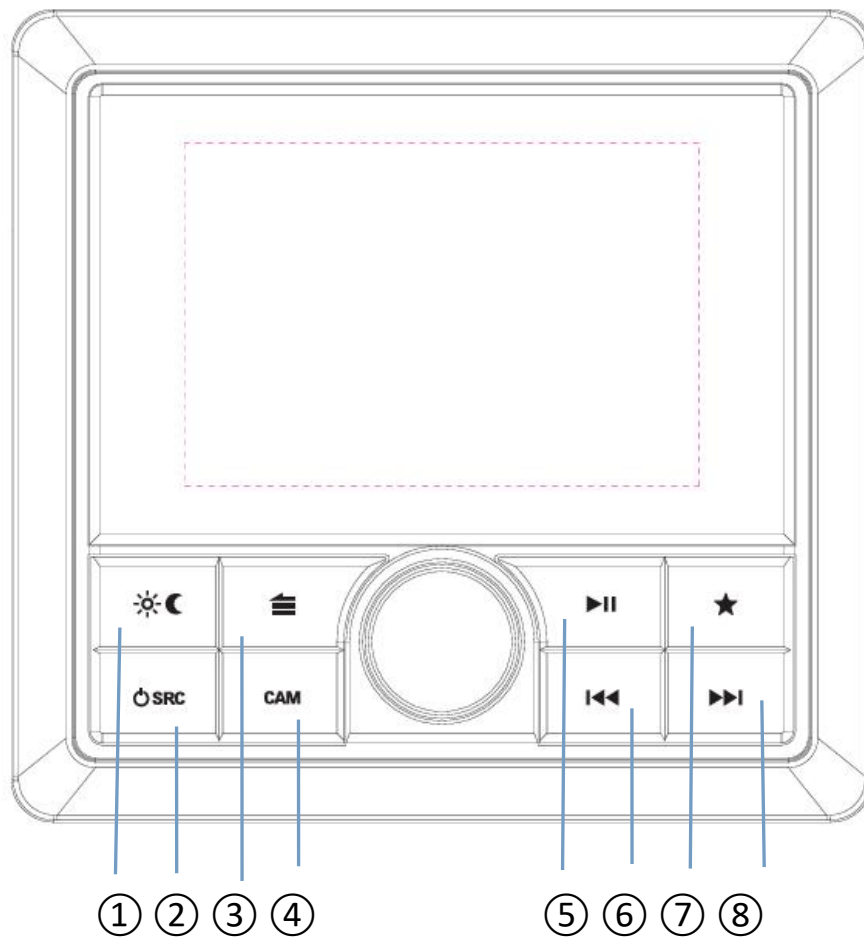
# WIRING CONNECTION



## OPERATION.

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### LOCATION OF KEYS



- ① ☀🌙 : Day/Night button
- ② ⏻ / SRC: power/source button
- ③ ≡ : Menu/back button
- ④ CAM: Camera button
- ⑤ ▶⏸ : Play/pause button
- ⑥ ⏮ : Seek down button
- ⑦ ★ : Preset button
- ⑧ ▶▶ : Seek up button

## KEY FUNCTIONS

### Key functions


		Key functions				
KEYS	ACTION	RADIO	USB	AUX	BT MUSIC	STANDBY
PWR/ SRC	Short	Source change	Source change	Source change	Source change	Power on
	Long	Power off	Power off	Power off	Power off	/
CAM	Short	Camera source	Camera source	Camera source	Camera source	/
	Long	/	/	/	/	/
	Short	Setting menu / back	Setting menu / back	Setting menu / back	Setting menu / back	/
	Long	Exit menu	Exit menu	Exit menu	Exit menu	/
	Short	Night/Day	Night/Day	Night/Day	Night/Day	/
	Long	Dimmer	Dimmer	Dimmer	Dimmer	/
★	Short	Preset call / Manual save (Short->Long)	RPT ONE/ RPT ALL/ RDM ON/ FILE LIST	/	/	/
	Long	Preset call	/	/	BT disconnect / reconnect	/
▶ II	Short	Mute on/off	Play/Pause	Mute on/off	Play/Pause	/
	Long	Auto Store	/	/	/	/
I ◀◀	Short	Seek down	Previous file	/	previous file	/
	Long	Manual tune down	Fast Reverse	/	/	/
▶▶ I	Short	Seek up	Next file	/	next file	/
	Long	Manual tune up	Fast Forward	/	/	/
VOL	Rotary	Main VOL up/down	Main VOL up/down	Main VOL up/down	Main VOL up/down	/
SEL (PUSH VOL)	Short	Zone 2 VOL ->Sub gain ->Main VOL	Zone 2 VOL ->Sub gain ->Main VOL	Zone 2 VOL ->Sub gain ->Main VOL	Zone 2 VOL ->Sub gain ->Main VOL	/
	Long	AF/TA/PTY	AF/TA/PTY	AF/TA/PTY	AF/TA/PTY	/

## OPERATION


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### Basic Operation


#### Turn on/off the unit

Press /SRC button to turn on the unit. When the unit is on. Press and hold it for 2 seconds to turn off the unit.

#### Mute on/off



When the unit is on. Press  button to mute the sound. Press it again to resume the sound.

#### Setting menu


Press  button into the setting menu. Rotate **VOL** knob to setting below items:

ZONE1->ZONE2->SUBWOOFER->BEEP->CLOCK SETTINGS->LANGUAGE->AREA->LOCAL->STEREO/MONO->DIMMER->BRIGHTNESS->CONTRAST->HUE->COLOR->RESET->VERSION

In each item Rotate **VOL+/-** knob to set them.

Note: In the menu, press  return to previous menu, hold  button to exit menu.

#### ZONE1/ZONE2 audio setting


Shortly press  button, Then select the ZONE1 / ZONE2 and press **VOL** knob into their sub-menu, rotate **VOL** knob to select BASS / TREBLE/BALANCE/FADER/LOUD/Preset EQ, then press **VOL** knob to select them, rotate **VOL** knob to change their value then press **VOL** knob to confirm.

#### Main volume / ZONE2 volume / SUB gain operation

- 1) Rotate **VOL** knob to adjust the main volume up/down. The zone1 volume and SUB volume can be controlled.
- 2) Press **VOL** knob once shows ZONE2 VOL, then rotate **VOL** knob to adjust zone 2 volume.
- 3) Press **VOL** knob twice shows SUB GAIN, then rotate **VOL** knob to adjust subwoofer gain.

#### DAY/NIGHT mode and DIMMER operation

Shortly press  button to change DAY/NIGHT mode.

Hold  button shows the DIMMER adjust item, rotating the **VOL** knob to select the dimmer value. Also you can set the Dimmer value in the setting menu.

#### Switch to CAMERA source

There are 3 ways to switch to CAMERA source as below:

- 1) press **SRC** button then rotate **VOL** knob to select CAMERA source. In this way, the speaker will no sound.



## OPERATION

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2) The “Camera trigger” wire connected to 12V power. It will switch to CAMERA source. In this way speaker keeps previous source sound.

3) Press **CAM** button to switch CAMERA source. Press it again back to previous source. In this way speaker keeps previous source sound.

### Reset function

In the setting menu, select RESET->YES to restore all the data to the factory setting.

**Noted:** When the unit was reset, All the modified parameters will be lost!

### Radio Operation

Press **SRC** button then rotate **VOL** knob to select FM/AM source. Shortly press ►►I / I◄◄ button to receive the desired radio station. Press and hold ►►I / I◄◄ button for manual tuning the frequency.

### Auto Store:

Press ►II button for 2 seconds to auto store stations to the presets.

### Manually store station:

Receiving a desired station. Press ★ button into the presets, rotate **VOL** knob to select a preset, then press and hold ★ button to save to this preset.

### Recall preset station:

Press ★ button into the presets, rotate **VOL** knob to select the desired preset, then press **VOL** knob.

### RDS Operation

Press and hold **VOL** knob to show the RDS menu. Rotate **VOL** knob to set them.

**Note:** In USA area, The AF no function (can not be set to on). AF is enable in EUROPE area.

In **AF** item of the RDS menu press **VOL** knob to set **AF** on/off.

**AF on:** Symbol “**AF**” appears on the display. Program name is displayed on receiving a RDS station. “**AF**” symbol starts blinking if the broadcasting signal getting worse. It will start to search the stronger station which in AF list and switch to the good station. If it doesn't find a stronger station in AF list. It will active the PI SEEK mode to search station which as same PI.

**AF off:** switch off the AF mode.

### Traffic Announcement (TA)

In **TA** item of the RDS menu press **VOL** knob to set **TA** on/off.

**TA on:** When received a TA station it will switch temporarily to radio mode to

listen to the TA station whatever in RADIO/USB/AUX/BT mode. If the volume

## **OPERATION**

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level was under the TA volume it will be raised to the TA volume automatically.

**TA off:** Turn off the TA function.

### **PTY operation**

In **PTY** item of the RDS menu. Rotate **VOL** knob to select the PTY kinds. When shown the **PTY** kind you want. Press **VOL** knob to confirm. It start to search.

### **WB (Weather Band) Operation**

Press **SRC** button then rotate **VOL** knob to select WB source.

#### **Select station:**

Press ★ button into the presets, rotate **VOL** knob to select the desired preset, then press **VOL** knob. Or press ►► / ◄◄ button to select next/previous station.

### **USB Operation**

When an USB driver is inserted to the unit, the unit will play the MP3/WMA file automatically. If an USB drive is already inserted in the unit. Press **SRC** button then rotate **VOL** knob to select USB source.

#### **Select file & Fast Forward/Fast Reverse**

Press ►► / ◄◄ button to skip to next/previous file. Hold ►► / ◄◄ button to fast forward or fast reverse.

#### **Play/Pause**

Press ►|| button to pause/play the file.

#### **Repeat/Random/File list function:**

In USB playing, press ★ button into the menu:

REPEAT ONE / REPEAT ALL / RANDOM ON / FILE LIST. Rotate **VOL** knob to select them.

### **AUX Operation**

Connecting the signal to the AUX IN connector. Press **SRC** button then rotate **VOL** knob to select AUX source.

### **Wire remote function**

Connecting the wire remote set to the wire remote cable. You can operate the unit by the wire remote.

### **BLUETOOTH Operation**

#### **Pairing**

On mobile phone, select the Bluetooth item searching the Bluetooth device. "DS18-MRX150" should appear in the list, select "DS18-MRX150" and then input password "0000" If it needs a password. When successful paired, the BT

## SPECIFICATION

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mark will be shown on the display.

### Bluetooth Audio

Press **SRC** button then rotate VOL knob to select BT source. It will play a song of your mobile phone automatically. Press ►|| key to pause/play the song.

Press ►►| / |◄◄ button to select next/previous song.

### Disconnect / Re-connect the Bluetooth

When the mobile phone paired with the unit. If you want to disconnect the Bluetooth. In BT source, press and hold ★ button for 2 seconds to disconnect/re-connect the Bluetooth.

Other operation please reference the Key functions table above.

## SPECIFICATION

### GENERAL

Power Supply Requirements	: DC 12 Volts, Negative Ground
Chassis Dimensions	: 140(W) x 130 (D) x 85(H)
Tone Controls	
- Bass (at 100 Hz)	: ±10 dB
- Treble (at 10 kHz)	: ±10 dB
Maximum Output Power	: 4 x 40 watts
Current Drain	: 10 Ampere (max.)

### RADIO

#### FM

#### AM

Frequency Coverage	87.5 to 107.9 MHz	530 to 1710 KHz
IF	10.7 MHz	450 KHz
Sensitivity	4μV(S/N=30dB)	36dBuV
Stereo Separation	>25dB	

## SPECIFICATION

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### TROUBLE SHOOTING

Before going through the checklist, check wiring connection. If any of the problems persist after checklist has been made, consult your nearest service dealer.

Symptom	Cause	Solution
No power.	The car ignition switch is not on.	If the power supply is connected to the car accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse is blown.	Replace the fuse.
No sound.	Volume is in minimum	Adjust volume to a desired level.
	Wiring is not properly connected.	Check wiring connection.
The operation keys do not work.	The built-in microcomputer is not operating properly due to noise.	Press the reset button.
The radio does not Work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable firmly.
	The signals are too weak.	Select a station manually.

FCC Statement:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.