



## HEAVY DUTY

### TRA-4500

### AM/FM Fender-Mount Radio



## Using Your Radio

### Features

- Self contained outdoor audio product including radio, antenna and speaker
- 12V operating voltage
- Impact resistant ABS housing construction
- Latching hinged front weather cover
- Full range 5x7 speaker
- Heavy-duty rubber mast antenna
- Two wire hook-up, automatic vehicle polarity detection
- 3.5mm headphone jack
- FCC compliance
- Digital tuning








**CONGRATULATIONS** on your purchase of the Heavy Duty Systems AM/FM Fender-Mount Radio. This product has been designed to give you many years of enjoyment. Please read the directions that follow to familiarize yourself with the product operation and installation procedures.

## ***SAFETY INSTRUCTIONS***

- 1 Read Instructions** - All safety and operating instructions should be read before operating the AM/FM Fender-Mount Radio.
- 2 Retain Instructions** - The safety and operating instructions should be retained for future reference.

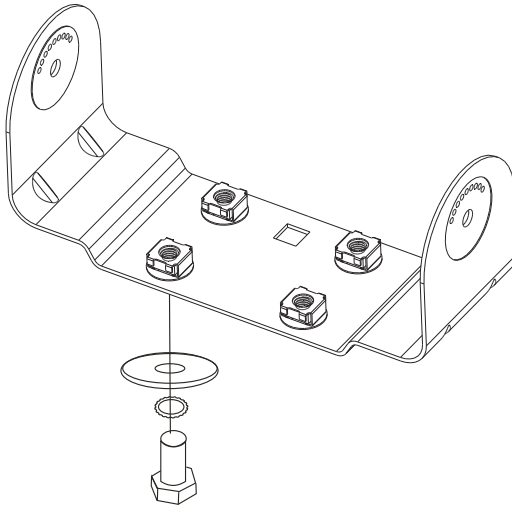
<p>For your protection, record the model and serial numbers of your radio here. In the event your player requires servicing or is stolen, you may need this information. You may also wish to clip or staple your sales receipt to this page.</p>	<p><b>Mode Number:</b> <i>TRA-</i> _____</p> <p><b>Serial Number:</b> _____</p> <p><b>Date Purchased:</b> _____</p> <p><b>Store's Name and Address:</b> _____</p>
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## ***PACKAGE CONTENTS***

	<b><i>NAME</i></b>	<b><i>SPECIFICATIONS</i></b>	<b><i>QUANTITY</i></b>
	Hex Bolt	• M8 x 18 (P=1.25)	• 4 pcs
	Tooth Washer	• M8.0	• 4 pcs
	Plain Washer	• M8.0	• 4 pcs
	Terminal		• 2 pcs
	Wire Tie		• 2 pcs
	Extension Wire		• 1 pc
	Antenna		• 1 pc

# INSTALLATION

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- 1 Select a mounting location (usually on a fender) that is convenient for operator use and will not interfere with the antenna.
- 2 Verify the underside of the mounting area is accessible for mounting bolt installation.
- 3 Once a location is selected, remove the two bolts securing the mounting base to the housing.
- 4 Use the mounting base as a template and mark the center of the four mounting holes.
- 5 Carefully drill four 3/8" diameter holes in the four marked locations.
- 6 Place mounting bracket over the four holes and align.
- 7 Secure mounting bracket using four hex head bolts, washers, and lockwashers provided.  
**Note:** DO NOT TIGHTEN BOLTS FIRMLY AT THIS TIME.
- 8 Place housing in mounting bracket and replace the original bolts and lockwashers. Adjust housing for proper angle and tighten the two bolts firmly.
- 9 Now tighten the four mounting bolts securely.
- 10 Thread the antenna mast onto the antenna base on the rear of the housing and tighten firmly.

## ***ELECTRICAL CONNECTION***

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**IMPORTANT: Not compatible with 6VDC power systems.**

### **1 BLACK WIRE**

Select a good grounding area near the radio housing to which you can secure the ground wire. If necessary, drill a 3/32" hole and secure the wire using the screw and washer provided. To ensure a good ground, remove any paint around the drilled hole.

### **2 RED FUSED WIRE (5 AMP FUSE)**

On most older vehicles it will be necessary to connect this 12 volt power lead to the 'ACCESSORY' side of the ignition switch. (Newer vehicles may have a fuse block or electrical terminal strip with an 'ACCESSORY' position to which you can connect this wire.) **Note:** The special Dual Polarity circuit in this radio automatically corrects for either negative or positive ground vehicles.

## ***OPERATION NOTES***

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### **1 ON-OFF CONTROL**

Always press the power button to power 'off' the unit when not in use. Do not rely on the ignition switch to turn the radio off.

### **2 HEADPHONE JACK**

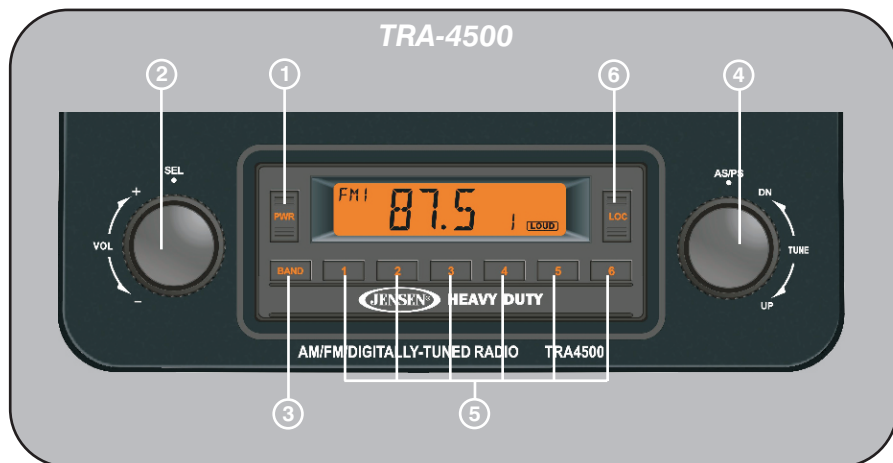
Your radio has a headphone jack (located on the left side of the housing under a dust cap). You can use 1/8" (3.5mm) stereo headphones. When headphones are connected, the built-in speaker will not operate. Always remove headphone and replace dust cap cover when headphones are not in use.

**Caution:** NEVER USE HEADPHONES DURING ELECTRICAL STORMS.

### **3 FRONT DUST COVER**

**Caution:** This cover must be closed and latched whenever severe dust or rain conditions exist (use headphone) or whenever the radio is not in use. For your safety, the cover must be latched when open, as a severe jolt may cause the cover to snap shut unexpectedly.

## FRONT PANEL CONTROLS



### 1 POWER ON/OFF

### 2 VOLUME CONTROL

- Rotate this knob until the desired volume level is obtained.
- Press the volume control repeatedly to step through the following sound adjustment options: Bass, Treble, Loud (On/Off). When the desired option appears in the display, rotate the volume control to adjust the audio feature.

### 3 AM/FM BAND SELECTOR

Press this button to switch between three FM and two AM bands.

### 4 MANUAL TUNING CONTROL/AUTO STORE/PRESET SCAN

- Rotate this knob to the left or right to select the desired radio station.
- Turn and hold* right or left for more than 3 seconds to seek the next available strong station.
- Press to enable Preset Scan and play the first 5 seconds of each stored station in the current band. Press again to stop scanning.
- Press and hold* for more than 3 seconds to automatically store the six strongest available stations in the preset positions for the current band.

## FRONT PANEL CONTROLS (continued)

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### 5 PRESET STATION STORE/RECALL

Select a band and then select a station. *Press and hold* a preset button for 3 seconds to assign the current station to the selected preset button. The corresponding preset number will flash on the screen for 4 seconds. You may store a total of 12 stations for AM and 18 for FM (6 per band).

### 6 LOCAL/DISTANT SELECTOR

This selector switch is incorporated to allow maximum reception in both weak and strong AM/FM signal areas. For normal reception conditions and when receiving a wide range of signals including weak or distant stations, the switch should be set to the OFF (distant) position, which will allow maximum signal to the receiver. When in an extremely strong signal area, set the switch to the LOC (local) position. This will eliminate weak signals and suppress overly strong signals so as to avoid overloading the receiver input. When moving out of the strong signal area, return the switch to the distant setting.

## SPECIFICATIONS

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Operating Voltage	• 12 Volts DC
Output Power	• 20 Watts Maximum
Tuning Range	• AM: 530-1710KHz FM: 87.5-107.9MHz
Sensitivity	• AM: 15uv FM: 2.5uv

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