

**RUGGED** RADIOS

**TUNDRA  
RADIO KIT  
INSTALLATION INSTRUCTIONS**



## For additional information



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(888) 541-7223

# What's included?

## MOBILE RADIO



(P.N. GMR45)

OR



(P.N. GMR25)

## RADIO MOUNT (P.N. MT-RM-TOY)

- (1) Radio Mount
- (4) Mounting Bolts
- (4) Nuts
- (1) Seat Mount Replacement Bolt
- (1) Spacer



**COMPATIBILITY:**  
TUNDRA  
2ND GEN (2007-2021)

## ANTENNA MOUNT OPTION 2 (P.N. MT-ANT-TOY-5B)



**COMPATIBILITY:**  
TUNDRA  
2ND GEN (2007-2021)

## ANTENNA ADAPTER FOR A-PILLAR/DITCH LIGHT (P.N. MT-ANT-ADPT)

**COMPATIBILITY:**  
Most a-pillar mounted "ditch" lights and mounts.



## ANTENNA COAX CABLE (P.N. NMO-MT-13)



**TUNED ANTENNA  
(P.N. POINT5)**



# Installation

## TOOLS NEEDED

7mm Socket Wrench or Phillips Screwdriver  
10mm Socket Wrench or Open End Wrench  
12mm Socket Wrench  
14mm Socket Wrench  
1/8" Allen Wrench  
3/8" Socket Wrench or Open End Wrench  
Small Crescent Wrench

## STEP 1: INSTALL RADIO MOUNT AND RADIO

**Radio Mount:** Locate the U-bracket packaged with your radio and attach it to the radio mount using the included mounting bolts and nuts. Use a 1/8" Allen Wrench and 3/8" Socket Wrench or Open End Wrench.

Remove the factory front left seat bolt from the passenger side seat using a 14mm Socket Wrench; this will be the closest bolt to the center console. **SEE FIGURE A.** Line up the bottom hole of the radio mount to hole on the seat mount. Install the included Seat Mount Replacement bolt and spacer into the passenger side front left seat bolt hole, securing both the seat and radio mount. **SEE FIGURE B.**

**IMPORTANT:** Ensure the radio mount is rotated so the rubber bumper makes contact with the center console before tightening down the seat bolt.

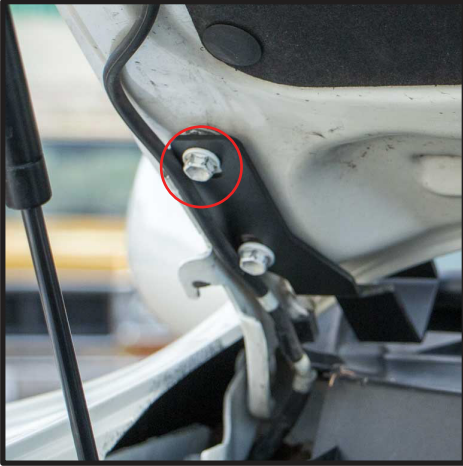
**Radio:** Position the radio, then insert and tighten the supplied hex/Phillips screws into the side of the radio using a 7mm Socket Wrench or Phillips Screwdriver.

**FIGURE A****FIGURE B**

# Installation

## STEP 2: INSTALL ANTENNA MOUNT

FIGURE C



**Antenna Mount:** Open the hood and secure it in the open position. Using a 12mm Socket Wrench remove only the front bolt from the passenger side hood hinge. **SEE FIGURE C.** Align the front hole on the mount with the hole on the hinge and reinstall the bolt. Do not torque the bolt yet, just make it snug so the hood doesn't move when you remove the rear bolt from the hinge.

Remove the rear bolt from the hinge and rotate the antenna mount so it aligns with the hole on the back of the hood hinge. Reinstall the bolt and torque both down.

If you already have A-pillar or ditch lights mounted to the hood hinge use the included Antenna Adapter for A-pillar/ditch light mount.

**Antenna Adapter for A-pillar/Ditch Light Mount:** Remove the light mounted on the side you wish to mount the antenna. Line up one hole on the Antenna Adapter to the light mount hole and reinstall the light, threading the light mounting bolt through the adapter and light mount. **SEE FIGURE D.**

FIGURE D



## STEP 3: RUN CABLING

**Antenna Coax Cable & Radio Power Cable:** Use an existing pass-through, which will have a thick rubber plug or "grommet" sealing the passage, to run the antenna coax and power cable from the engine compartment into the cab. Sometimes you'll have to use a grommet that already has wires running through it and sometimes you'll be lucky enough to find an unused grommet. It all depends on the vehicle. Either way, the process is the same.

**IMPORTANT:** Never coil or bundle excess coax (antenna) cabling.

# Installation

## STEP 4: INSTALL ANTENNA

**Antenna:** Unscrew the NMO nut off of the stud. Then insert the stud for the antenna NMO through the hole in the mount and reinstall the nut using a **Small Crescent Wrench**. This nut requires very little torque. Do not over-tighten! Thread antenna on to antenna mount. **SEE FIGURE E.**

**IMPORTANT:** Never transmit without an antenna as this can severely damage the radio!

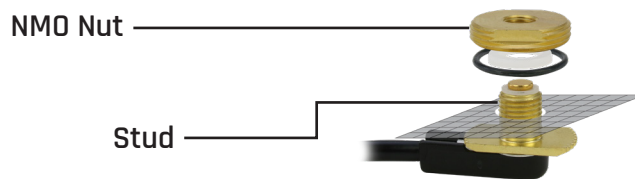


FIGURE F



## STEP 5: ATTACH POWER CABLE TO BATTERY

Using a **10mm Socket Wrench** or **Open End Wrench** attach power and ground directly to the battery. Do **NOT** ground to chassis.

**IMPORTANT:** Using a fuse box or bus bar may cause unwanted interference and decrease performance.

## STEP 6: TEST 2-WAY RADIO

### Radio Transmit Test

- Connect hand mic to radio.
- Power on radio.
- Set volume level to low.
- Select a channel to test on.
- Set another radio to the same channel.
- Press and hold the PTT on the Hand Mic. Wait one second, then begin speaking.
- When finished speaking, release the PTT. A receiving radio should have heard your call.

### Radio Receive Test

- Have someone transmit to your radio from another radio.
- You can use this incoming radio call to adjust the radio volume.

This completes your installation. If you have any questions, please contact us at (888) 541-7223.

Thank you!



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