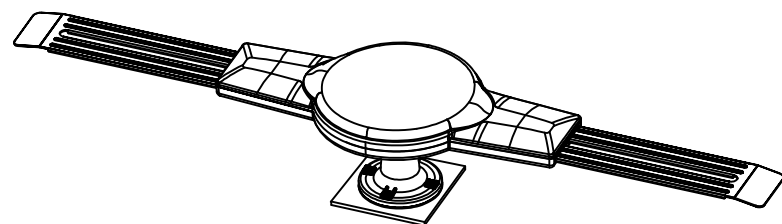


# CA-2500 INSTALLATION GUIDE



## SPECIFICATIONS

Model No.:	CA-2500(W/B)
Frequency Range	AM:520-1719KHz
	FM: 57-108MHz
	VHF: 47-230MHz
	UHF: 470-770MHz
Noise Figure	≤3.5dB
Impedance	75Ω
Power Supply	DC 12V 150mA
Dimensions	1221x260x135mm

## PARTS LIST

Antenna Head .....	x1
Instruction Manual .....	x1
Small Rubber Ring .....	x1
Base Mount .....	x1
Big Rubber Ring .....	x1
Ceiling Plate.....	x1
Wall Plate.....	x1
Screw for Wall Plate.....	x2
AM Bullet Connector (male) .....	x2
70mm Hexagon Bolt with washer, spring wash and nut ..	x2
55mm Hexagon Bolt with washer, spring wash and nut ..	x4

## HOW TO INSTALL THE ANTENNA

**STEP 1:** Choose a location for the antenna. The antenna should be placed away from any other metal objects which might interfere with reception. (Refer to FIG 1.)

**Attention:** The direction of the base mount determines the direction of the antenna! There are two types of slots on the base mount, which will help you determine the direction; long and short slots (Refer to FIG.2). The direction of the long slots is the same as that of the antenna's wings. Make sure inside ceiling area is clear to mount the ceiling plate.

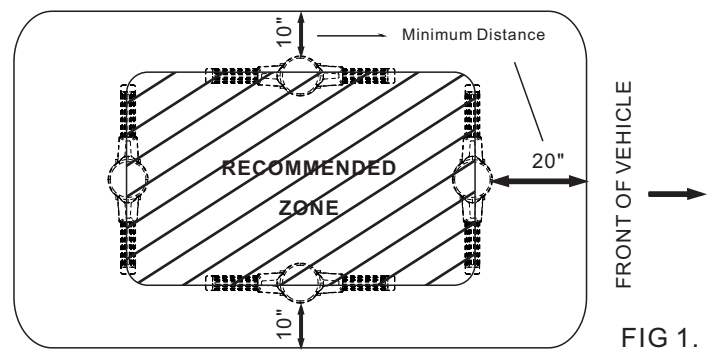


FIG 1.

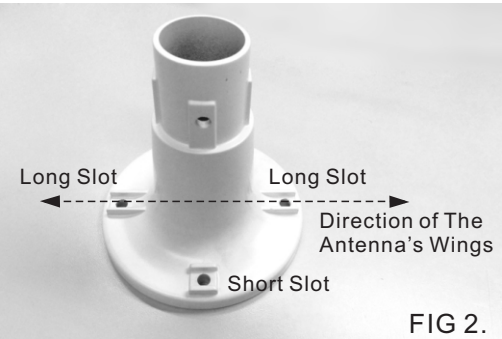


FIG 2.

**STEP 2:** Using the rubber ring as a template, drill four holes through the roof and ceiling of vehicle (Refer to FIG 3.). Be careful not to damage any wiring between the roof and ceiling. Drill a hole for cable entry through the roof of the vehicle only. DO NOT DRILL THROUGH THE CEILING.

**STEP 3:** Center the base mount above the big rubber ring hole-to-hole, and place four hexagon bolts through the four holes drilled in step 2 (Refer to FIG 4. & FIG 5.).

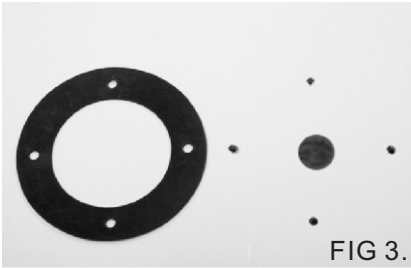


FIG 3.



FIG 4.



FIG 5.

**STEP 4:** Put the small rubber ring on the top of the base mount , and then the antenna. Make sure the cable with F connector from the antenna goes through the base mount. Affix the antenna by tightening 2 hexagon bolts cross-over. (Refer to FIG 5.)

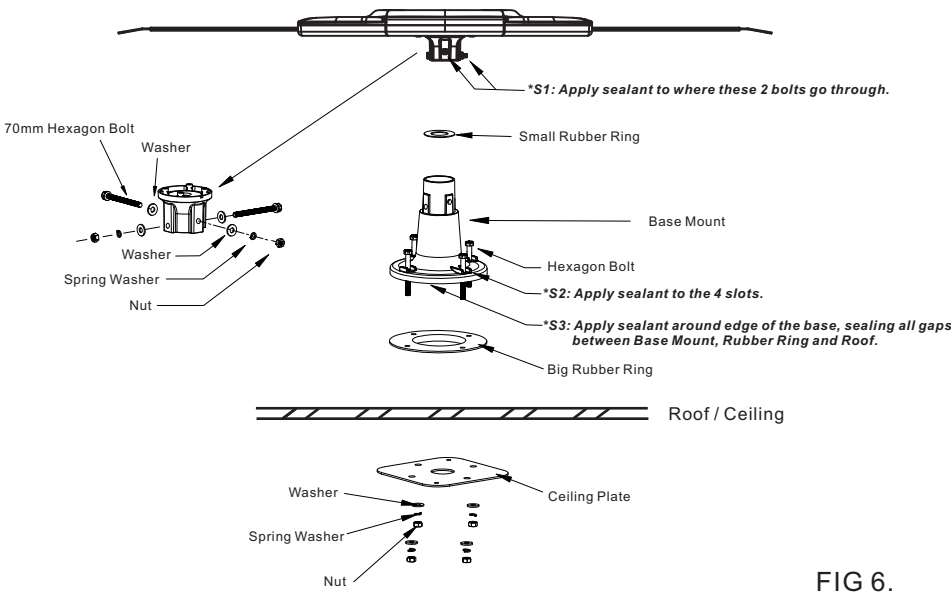


FIG 6.

**STEP 5:** Inside the vehicle, install the ceiling plate to the 4 hexagon bolts which come through the roof. The necessary hardware is included in the packaging. (Refer to FIG 6.)

**STEP 6:** Apply sealant to all bolts on the base mount (Refer to where marks \*S in FIG 6.).

**STEP 7:** Connect the appropriate cables and wires, and tape all the coax connections. Install the wall plate. (Refer to FIG 7.)

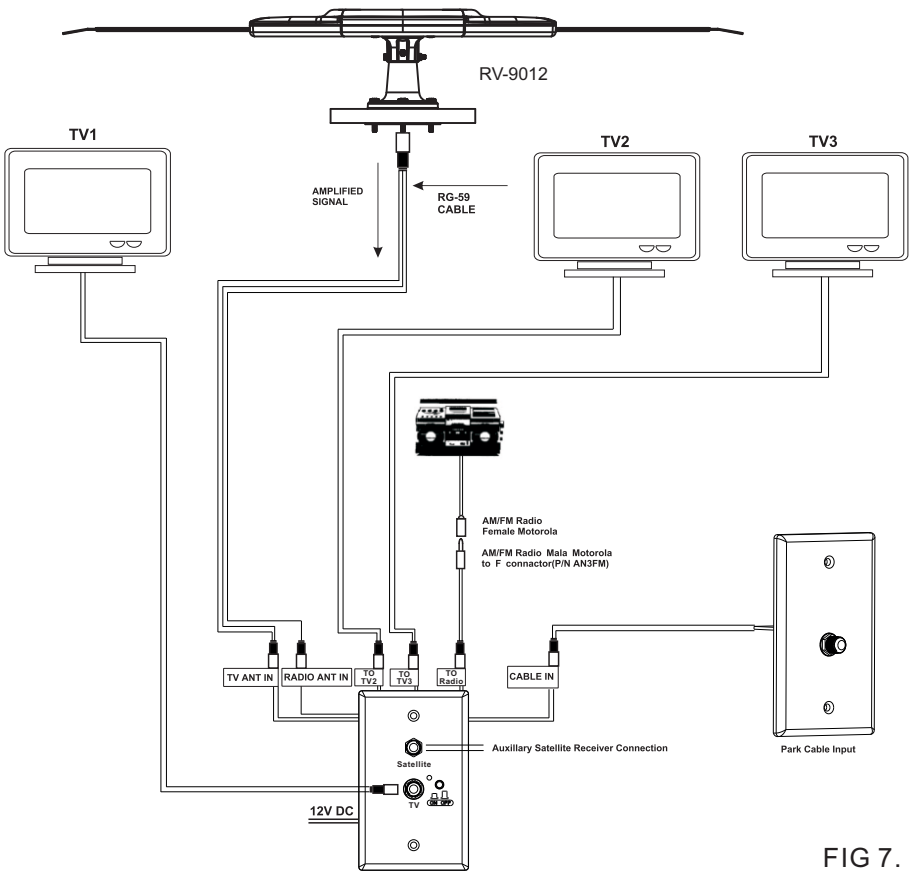


FIG 7.