

# AntennaTek, Inc.

## GEAR HOUSING REPLACEMENT INSTRUCTIONS MOD 250, 350 & 500 (CURRENT ANTENNAS)

Part Number: 065610

11/04/03

1. With the antenna in travel position, remove elevation handle, spring, washer and rotation handle, located in the ceiling inside your vehicle (use a #2 Phillips screw driver to loosen the set screw on the elev. handle.)
2. Remove the hex plug from gear housing, located on top of the roof of your vehicle (use a 1" socket), remove the shaft assembly.
3. Using a 15/16" deep socket remove the center lock nut and washer located on the ceiling of your vehicle. Remove the gear housing from the roof of you vehicle.
4. Remove capnut and pins to remove the upper and lower arms from gear housing, then remove worm gear. If you are also installing new shaft assembly, cut the new shaft the same length as the old one.
5. Place the new gear housing on top of the base plate. Make sure that the large "O" ring and disk washer are in place. From inside the vehicle install the washer and center lock nut using the 15/16" deep socket. The gear housing should be able to turn freely on top of the base plate. Do not leave the gear housing loose, this will not compress the "O" ring and will result in water leaks. If you tighten the center lock nut too much, you will not be able to rotate the antenna.
6. Insert the shaft assembly in to gear housing and secure in place with hex plug. Reinstall the lower arm using the pin you removed earlier and a new push nut. Install worm gear, upper arm, pin and push nut. Install rotation handle, spring, washer and elev. handle.

**OPERATION:** Your antenna will function as follows:

**RAISING ANTENNA:** Rotate elev. handle clockwise. When the antenna reaches its raised position, resistance will be felt in the handle, this indicates the antenna is fully extended. **DO NOT APPLY EXCESSIVE FORCE**

**LOWERING ANTENNA:** Insure that the pointers on the ceiling plate and the rotation handle are aligned. Rotate elev. handle counterclockwise until you hear the antenna touch the roof (resistance will be felt in the handle).

**Warning !!! Lowering the antenna without aligning the pointers may damage the antenna.**

SYMB	DESCRIPTION	P/N
C	Pin	065565
E	Cap Nut	030260
H	Upper Arm	065601
I	Lower Arm	065602
L	Worm Gear	065645
M	Hex Plug	065614
N	Elev. Shaft ASM	065641
O	Small O-Ring	065568
P	Alum. Gear Housing	065610
Q	Large O-Ring	065569
R	Disc Washer	065561C
T	Alum. Base Plate	065551C

