

INSTALLATION INSTRUCTION

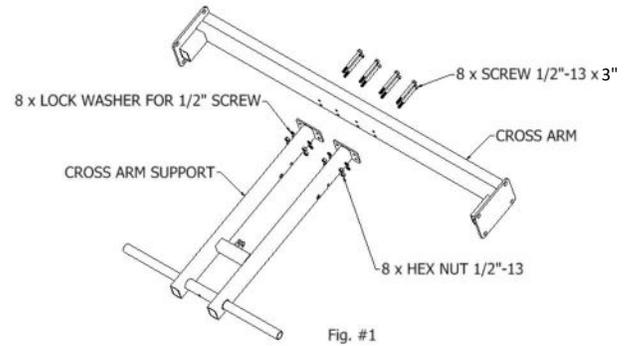
**KEEP ANTENNA AND CABLES AT A SAFE DISTANCE FROM ANY POWER LINES.
TO PROTECT YOUR ANTENNA AND RECEIVER FROM LIGHTNING DAMAGE, ENSURE YOUR EQUIPMENT IS GROUNDED.**

PACKAGE CONTENTS

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • 1 x Mast Assembly • 1 x Azimuth Rotational Head • 1 x Cross-Arm Support • 1 x Cross-Arm • 1 x Elevation Adjustment Rod • 18 x Plate Counterweight • 2 x Washer for 1" Screw • 2 x Hex Nut 1"-8 | <ul style="list-style-type: none"> • 1 x Screw ½"-13 x 2" • 13 x Lock washer for ½" Screw • 17 x Hex nut ½"-13 • 1 x Screw ¾"-10 x 12" • 2 x Screw ½"-13 x 3-½" • 2 x Washer for ½" Screw • 6 x Screw ½"-13 x 2" • 8 x Screw ½"-13 x 3" | <ul style="list-style-type: none"> • 18 x Counterweight • 2 x Shaft Collar • 4 x V-Bolt ¾"-10 • 4 x Mast Clamp • 9 x Hex Nut ¾"-10 • 9 x Lock washer for ¾" Screw |
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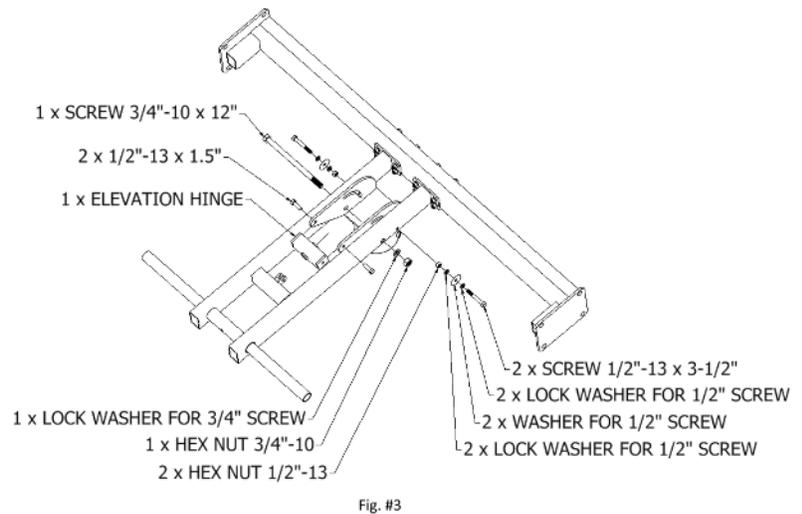
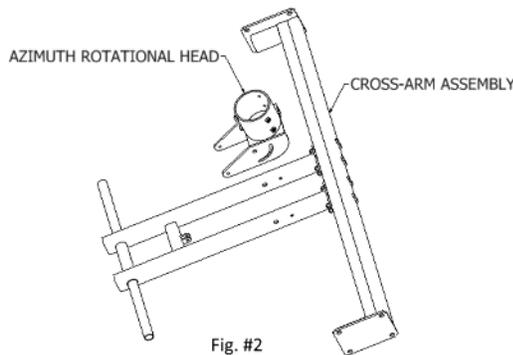
ASSEMBLY OF CROSS ARM TO CROSS ARM SUPPORT

- Attach cross-arm to cross-arm support using hardware provided in HDW. PKG. #1:
8 screws ½"-13, 8 lock washers & 8 nuts, Fig. #1.



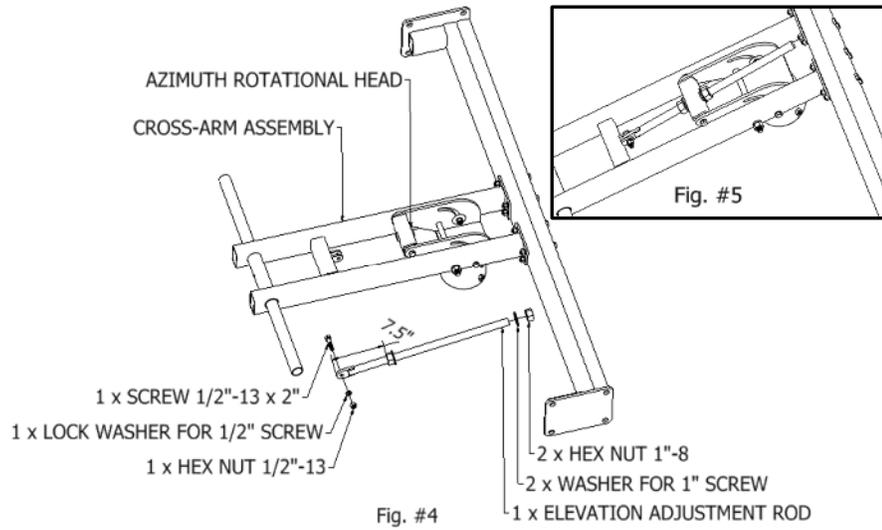
ASSEMBLY OF CROSS ARM TO CROSS ARM SUPPORT

- Insert Azimuth Rotational Head between two arms of Cross Arm Support, Fig. #2. Use hardware provided in HDW. PKG. #2 to secure it in place.
- Insert screw ¾"-10 x 12" thru cross-arm assembly and azimuth rotational head, secure it with 1 lock washer & 1 hex nut.
- Insert 2 screws ½"-13 x 3-1/2" thru holes in cross arm assembly, thru slots in azimuth rotational head & secure as per Fig. #3.
- Position the elevation hinge between two plates of the rotational head and apply Loctite (thread-locker) to ½"-13 X 1.5" screws. Do not tighten screws, leave a gap of 1/16" between the plates and the screw head. The elevation hinge needs to be able to rotate in place.



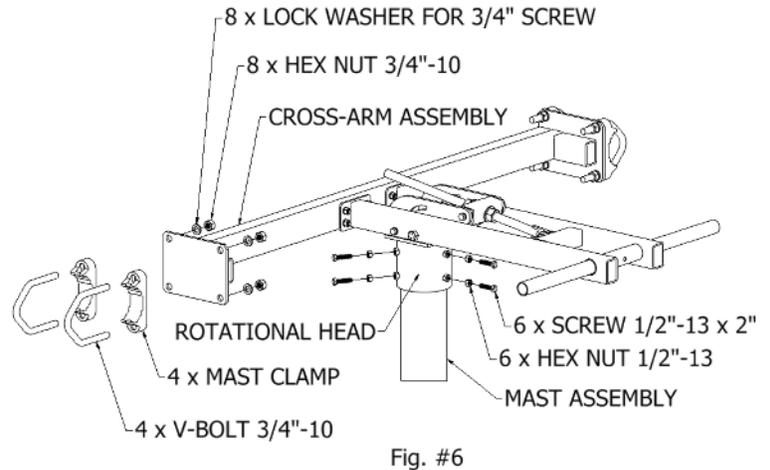
ASSEMBLY OF ELEVATION SHAFT

- Use hardware provided in HDW. PKG. #3
- Position 1"-8 hex nut roughly 7.5" from the end of the elevation adjustment rod, followed by 1 flat washer for 1" screw, Fig. #4
- Insert the elevation adjustment rod through the azimuth rotational head and secure the end of the elevation rod to the cross-arm assembly using 1/2"-13 x 2" screw, lock washer for 1/2" screw, and 1/2"-13 hex nut.
- Use a second 1"-8 flat washer and 1"-8 hex nut to lock in place cross-arm assembly at a specific elevation.
- Fig. #5 shows the position of the elevation adjustment rod after the installation.



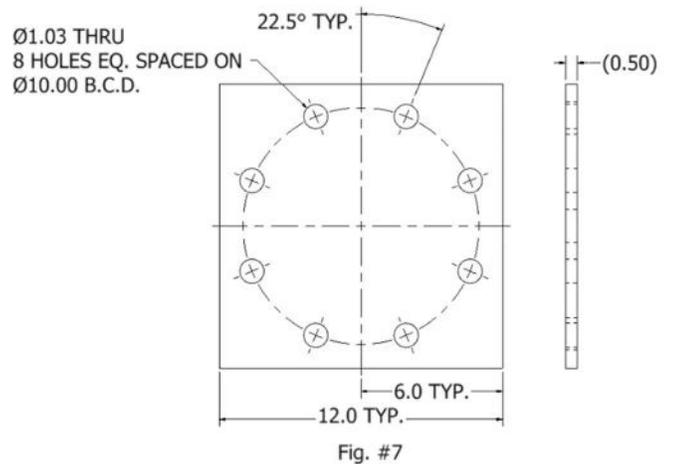
ASSEMBLY OF CROSS-ARM TO A MAST ASSEMBLY

- Use hardware provided in HDW. PKG. #4
- Insert mast into azimuth rotational head and secure it using 6 screws 1/2"-13 x 2" and 6 hex nuts 1/2"-13, Fig. #6.
- Attach 4 mast clamps and 4 V-Bolts to cross-arm assembly using 8 lock washers for 3/4" screws and 8 hex nuts 3/4"-10.



INSTALLATION OF A MAST ASSEMBLY TO A CONCRETE BASE

- See the local installer for recommended concrete base sizes and appropriate base stubs.
- A base of the mast can accommodate up to 8 anchor bolts and we recommend a minimum of 8 anchor bolts to be used to secure it to the concrete base.
- For hole size and hole positions see Fig. #7.



INSTALLATION OF ANTENNAS TO PEDESTAL MOUNT

- Secure antennas to mount using provided v-bolts and mast clamps.
- Position antennas so that the mast is positioned roughly 2" past the second v-bolt.
- For optimum performance keep antennas aligned to each other (2" past the second v-bolt) and orient antennas so connectors are in the same orientation.
- Once antennas are installed use counterweights to counterbalance the mount
- Use shaft collars HDW. PKG. #4 to secure counterweights in place
- Attach the feed line to antennas and weatherproof all connections appropriately.

