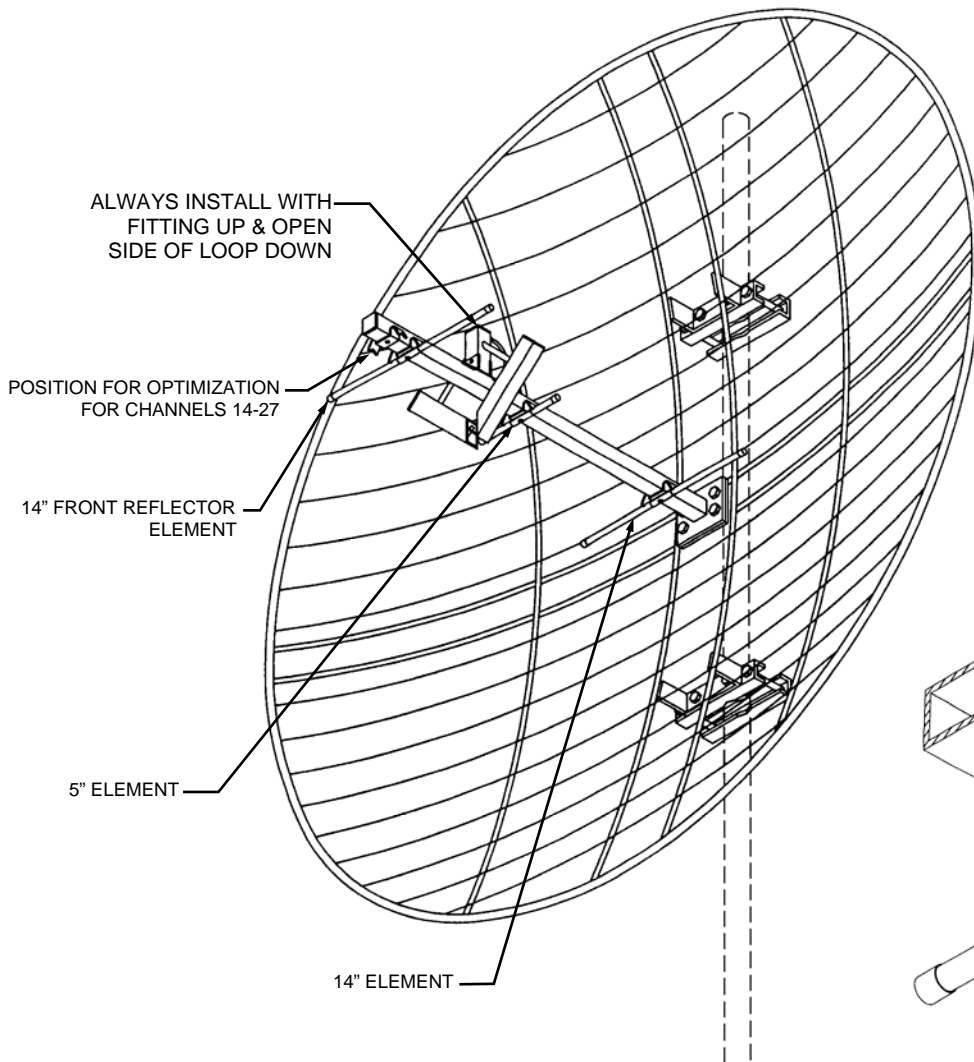
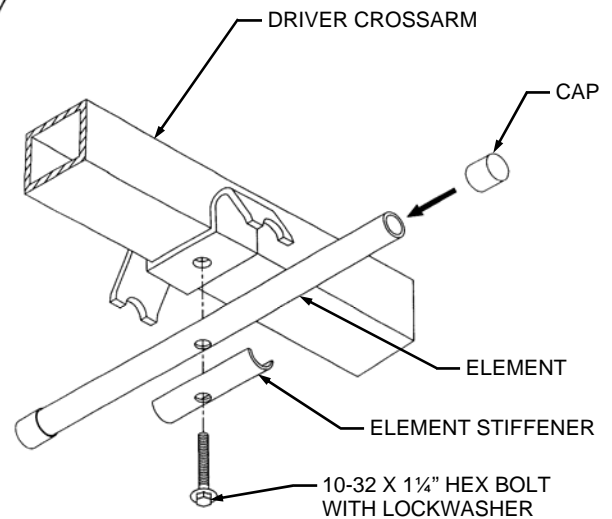


## PARABOLIC SCREEN UHF ANTENNA MODEL D-1338BB



**Figure 1**  
TYPICAL INSTALLATION



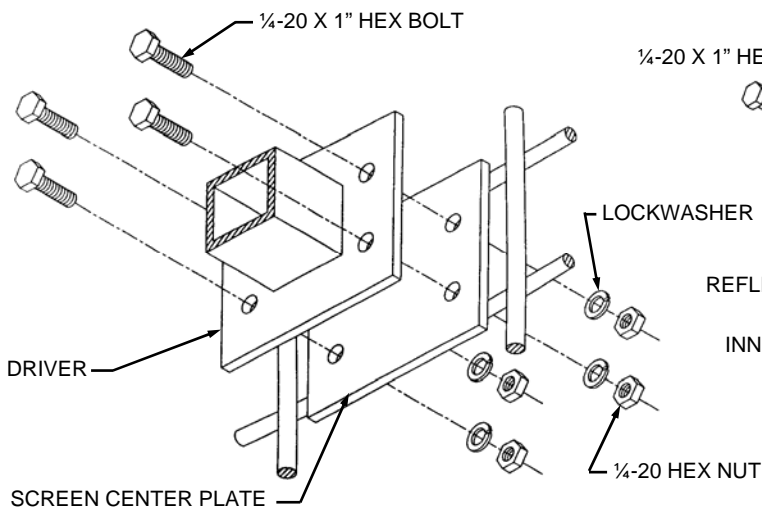
**Figure 2**  
ELEMENT ASSEMBLY DETAIL

### DESCRIPTION

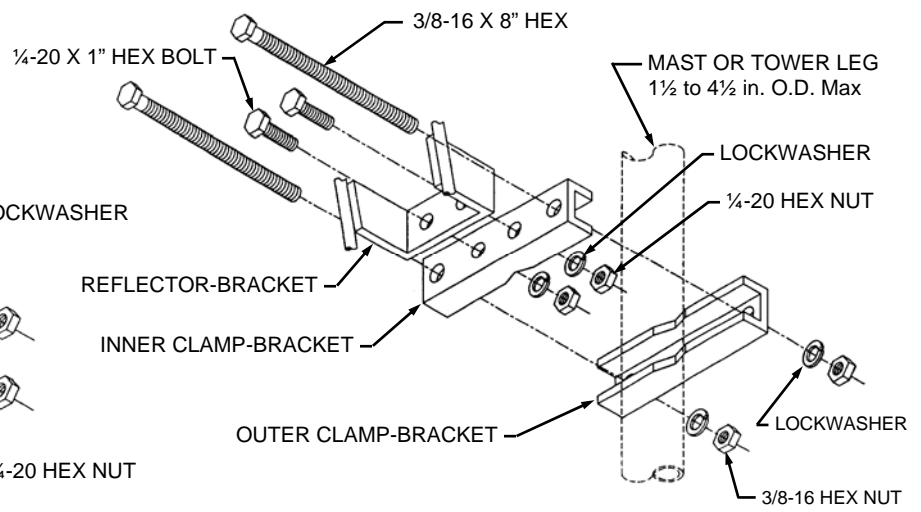
TACO Model D-1338BB is designed for UHF reception and low-power transmission. Each unit consists of a four foot diameter, grid type parabolic reflector of narrowly spaced rods, a diamond loop driver with 75 ohm type "F" connector and all necessary hardware for installation on a 1½ to 4½ inch diameter mast or tower leg.

### SPECIFICATIONS

<b>Channels</b>	14-83
<b>Gain (dbi)</b>	14-17.5
<b>Power Input (Max)</b>	225 Watts
<b>VSWR (Max)</b>	1.6:1
<b>Front to back ratio (db)</b>	20
<b>Shipping Weight (lbs)</b>	25
<b>Thrust (lbs) 100 MPH</b>	No ice: 74 ½" Radial ice: 623



**Figure 3**  
DRIVER ASSEMBLY



**Figure 4**  
CLAMP ASSEMBLY

## **INSTALLATION:**

1. Assemble the driver to the center plate of the screen using four (4) of the packaged 1/4-20 x 1" hex head bolts, lockwashers and hex nuts. See Figure 3.
2. If optimization of reception is desired on channels 14-27, remove the front reflector element of the driver and locate it in the forward position. See Figures 1 and 2.
3. Secure the inner clamp-brackets to the reflector-brackets using the remaining 1/4-20 x 1" hex head bolts, lockwashers and hex nuts. See Figure 4.

**NOTE: It may be expedient to connect the down-lead at this time by following the procedure given below under DOWN-LEAD CONNECTION.**

4. Hoist the antenna into position on the mast, or tower leg, with the coaxial fitting side of the driver facing up as shown in Figure 1. Take care not to damage the driver while hoisting the antenna.
5. Orient the antenna in the desired direction, then assemble the outer clamp-brackets with the 3/8-16 x 8" hex head bolts, lockwashers and hex nuts, securing the antenna to the mast or tower leg; tighten the clamp-brackets sufficiently to bear the antenna's weight. See Figure 4.

## **DOWN-LEAD CONNECTION:**

1. Prepare the end of the cable.
2. Feed the cable through the rear of the dish, then thread the connector onto the output fitting.
3. Hand-tighten then wrench-tighten the fitting no more than 1/6 of a turn. Apply a liberal coating of weather-proofing compound to the connection and slide the weatherboot into place.
4. Route the down-lead to the point of entry by the shortest practical route securing it with cable ties. **DO NOT** crush or distort the cable.