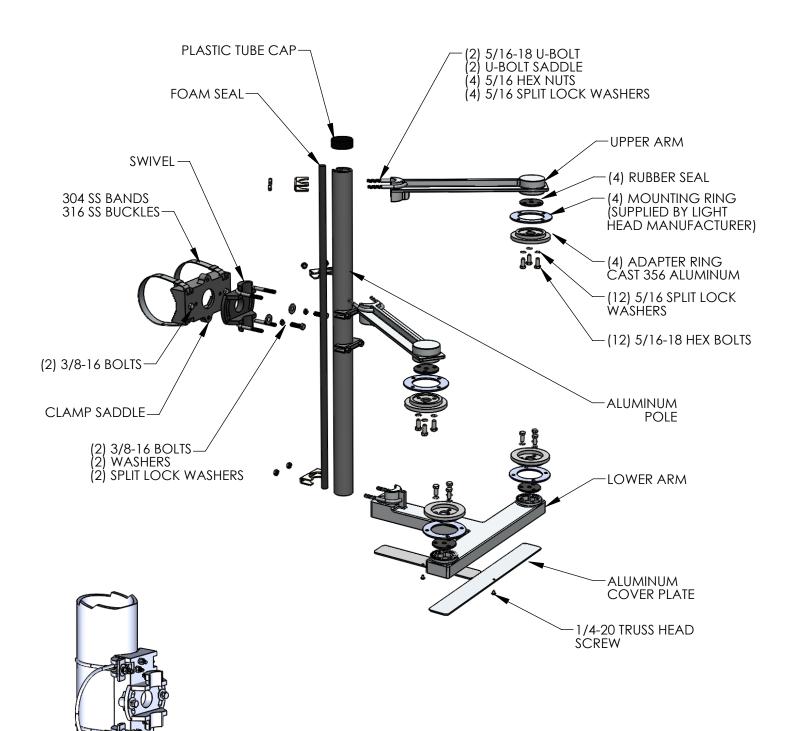


# (815) 229-3292

f: (815) 229-7082 2135 15th St. Box 6106 Rockford, IL 61125

www.SkyBracket.com

# 3M 2 WAY CLUSTER - BAND STYLE



ALTERNATE	
MOUNTING	

TORQUE CHART		
FASTENER SIZE	TORQUE	
5/16"	10 FT-LBS	
3/8"	15 FT-LBS	
1/2"	15 FT-LBS	

Form 1013-06 REV. 10/2013

#### **Installation Instructions**

### 3M 2 Way Cluster Signal Mount – Band Style

## Preparation:

Read and understand these instructions prior to beginning.

Review installation instructions provided by signal manufacturer. Verify mounting location and method is acceptable.

Check parts against the installation drawing accompanying these instructions, verify all necessary components are present and undamaged.

Review tools required to perform the installation, ensure all tools are present and in good working order prior to beginning the installation process.

Safety first! Review and adhere to all applicable work zone safety information to ensure installer safety.

#### Installation:

Determine mounting location - When determining the mounting location careful thought must be given to ensure access to tensioning components, adjustment screws and electrical connections.

Mount saddle bracket – With bracket in desired position, tighten banding with an approved banding tool (information may be found at <a href="https://www.band-it-idex.com">www.band-it-idex.com</a>). Tighten until bands prevent clamp weight from repositioning the assembly. Tighten the 2 pressure screws as needed to add additional tension to banding. Banding must be tight enough to ensure mounting bracket does not shift or slip under load.

Trim bands - Cut off excess banding material, use caution as trimmed edges of banding may be sharp after trimming.

Install lower arm – Insert on end of tube with the slot aligned with tab located in the bottom of the lower arm, making certain the tube is resting squarely on the bottom of the arm. Fasten the arm to the tube with u-bolt and saddle supplied. Torque to 10 ft lbs.

Install upper arms - Loosely install upper arms near top of tube with supplied u-bolts and saddles hand tighten only.

Mount swivel casting — After determining the approximate desired I cation, taking care to keep the slot in the middle of casting attach swivel to extruded pole with u-bolts and saddles hand tighten only.

Install signal heads — Place signal heads on lower arm aligning serrations on housing with those on the lower arm. Install bolts and washers to attach housing to the lower arm, hand tighten only. Place rubber seal on top of housing centering it on the serrations, lower upper arm until it contacts the rubber seal. Install bolts and washers to attach housing to the upper arm, hand tighten only. Square up the upper and lower arms and tighten the u-bolt and saddle clamp.

Assemble signal and swivel to saddle – Position the assembly on the face of saddle using the cast in boss on the swivel as a locator, bolt the assembly in place with the supplied 3/8" hardware hand tighten only.

Adjust signals – Move signal up or down to get the desired height. Follow signal manufacturer's instructions for proper aiming of the signal.

Tigh ten mounting hardware — After aiming the signal securely tighten all fasteners. 5/16" hardware to be torque to 10 ft lbs, 3/8" hardware to be torqued to 15 ft lbs, ½" hardware to be torqued to 20 ft lbs.

Install foam pole seal – After completing wire routing through the extruded pole, firmly seat the foam sealer into the slot in pole. Seal may be cut to facilitate wire exit/entrance into the pole.

#### Inspection:

Review installation – Verify all hardware is tightened to proper specifications and banding is sufficiently tight to prevent movement.

Signal view – Verify signal is aimed properly, signal may be readjusted by loosening threaded hardware as required. Retighten hardware if adjustments are required.