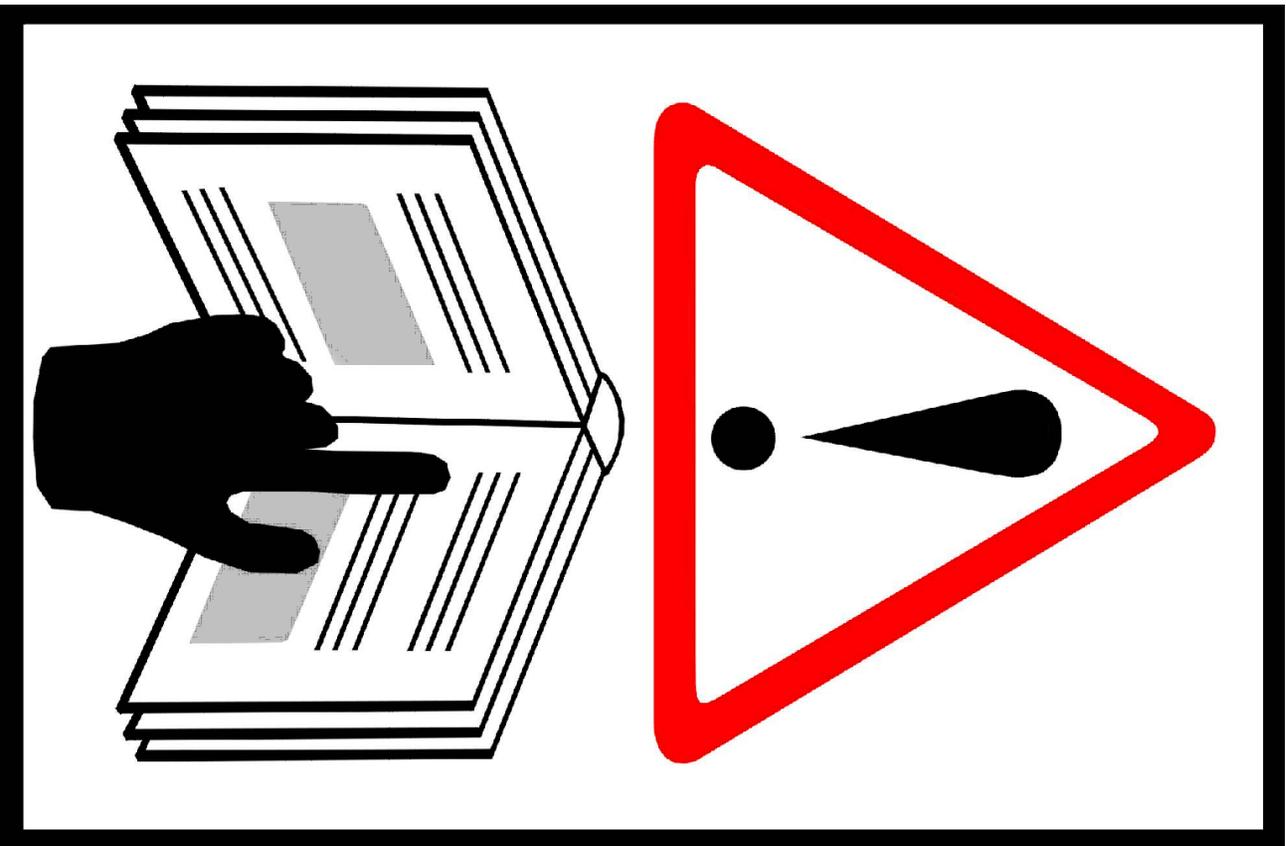


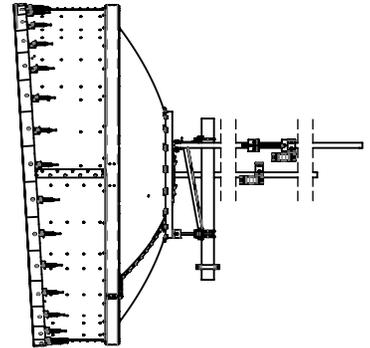
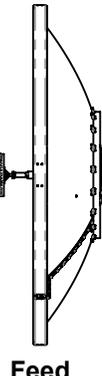
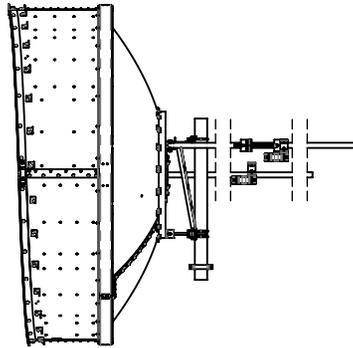
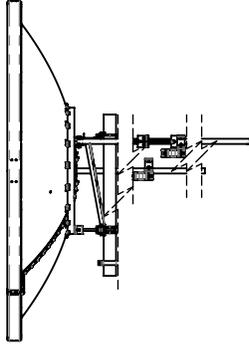
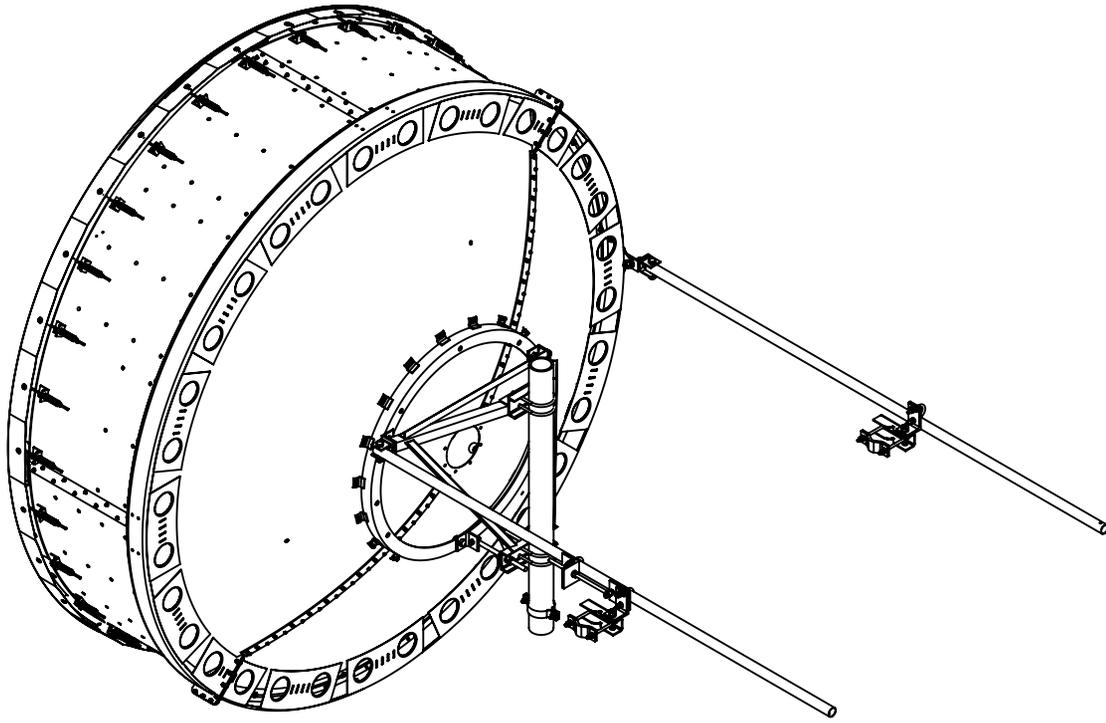


7831466 Rev:A



IMPORTANT!
INSTALLATION
INSTRUCTIONS
READ THIS
MANUAL FULLY
BEFORE UNPACKING
AND ASSEMBLING
THE ANTENNA

Split reflector Assembly



Split Reflector

Mount

Shield

Feed
Shield and mount
omitted for clarity

Radome

Sequence of Antenna Assembly

Always read the entire manual before commencing installation

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LIST OF CONTENTS

SECTION	<u>TITLES</u>
1	INTRODUCTION
2	SAFETY INSTRUCTIONS Safety Requirements, Safety Symbols, Definitions and Hazards.
3	COMPONENTS & TOOLS
4	REFLECTOR ASSEMBLY
5	BACKING RING ATTACHMENT

SAFETY INSTRUCTIONS

Reduce the risk of accidents by studying all the instructions carefully before starting working.

The safety information in this document presupposes that any person performing work on CommScope products or systems has the education, training and competence required to perform the task correctly.

SAFETY REQUIREMENTS

The safety requirements in the following sections must be followed to avoid personal injury and damage to tangible property.

It is the responsibility of the installer to ensure that local regulations and the safety instructions in this document are known and followed.

SERVICE PERSONNEL

Installation and service must be carried out by authorized personnel having the appropriate technical training and experience necessary to be cognizant of hazards during installation and service, and of measures to minimize any danger to themselves or any other person.

SAFETY SYMBOLS & DEFINITIONS**HOISTING****WARNING!**

Falling objects can cause accidents.

- Use only tested and approved hoisting equipment in accordance with the instructions supplied with the equipment. Appropriately trained personnel must operate the hoisting device.
- Always hoist from a suitable location.
- Never walk under hoisted loads.
- Follow local regulations for safety clothing and safety equipment for hoisting or moving goods.

WORKING AT HEIGHTS**WARNING!**

Some working areas involve the risk of accidents caused by falling or by falling objects

SAFETY REGULATIONS

Use local safety regulations where these are mandatory. The safety instructions in this document shall be used as a supplement to the local regulations.

In case of conflict between the safety instructions in this manual and the local safety regulations, the local safety regulations shall prevail if these are mandatory. If the local regulations are not mandatory the safety instructions in this manual shall prevail.

INSTALLATION HARDWARE

Do not use any installation components (for example screws and nuts) other than those enclosed with the equipment or recommended by CommScope.

INSTALLATION PROCEDURES & TOOLS

The installation procedures in this manual must be followed. Make sure that:

- Working instructions are followed.
- Recommended tools are used.
- Adequate safety devices are used.
- The risk of falling and falling objects is known.
- All hardware is tightened to the torques specified $\pm 5\%$. The integrity of the antenna depends on all fasteners being tightened correctly.

ANNUAL INSPECTION

Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance and condition of equipment.

Tools Required	Tool size	
	M6	M8
Ring and Open spanner (A/F)	10mm	13mm
Torque Wrench	7.7-19Nm	
Sockets (A/F)	10mm	13mm
Allen Key (A/F)	5mm	-

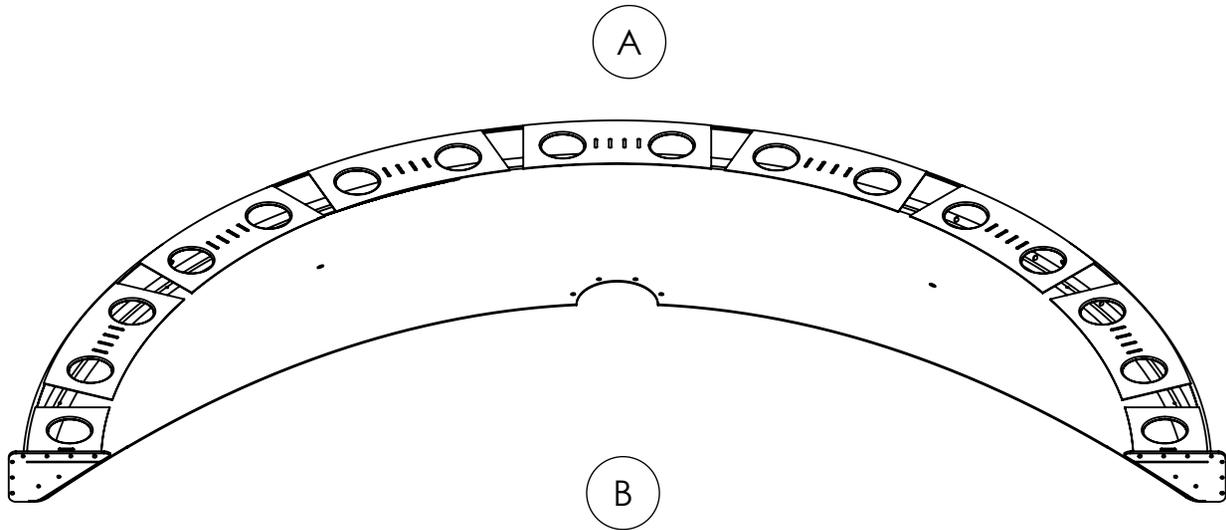
Tightening of hardware

It is recommended that all hardware is tightened to the torques specified in table 2. The integrity of the completed assembly depends on all fasteners being properly tightened.

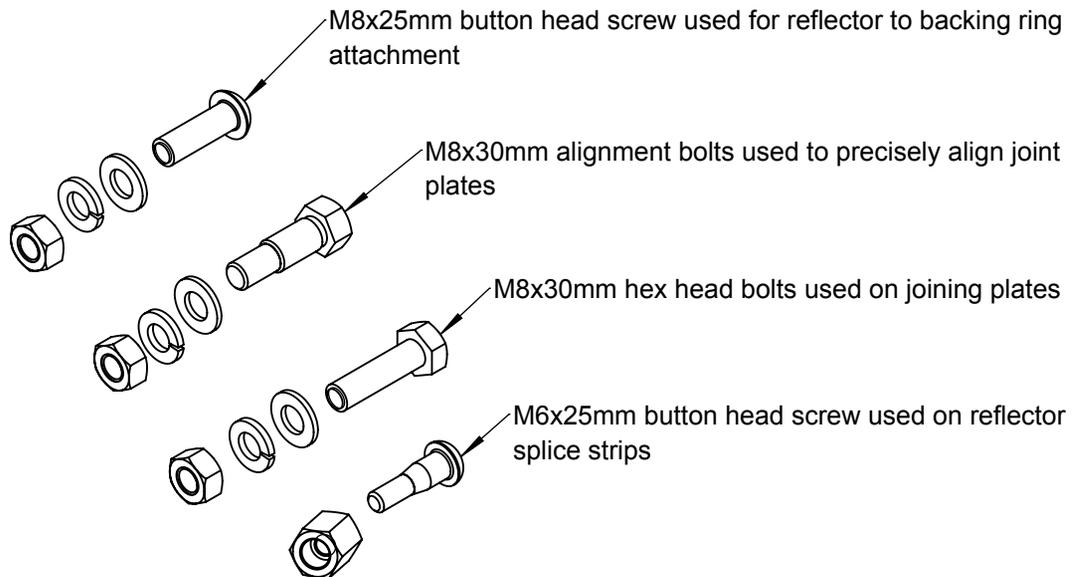
Table2: Fastener Torque Specifications

Fastener material		Fastener Size	
		M6	M8
Stainless Steel	N-m	7.7	19
	lb-ft	5.7	13.8

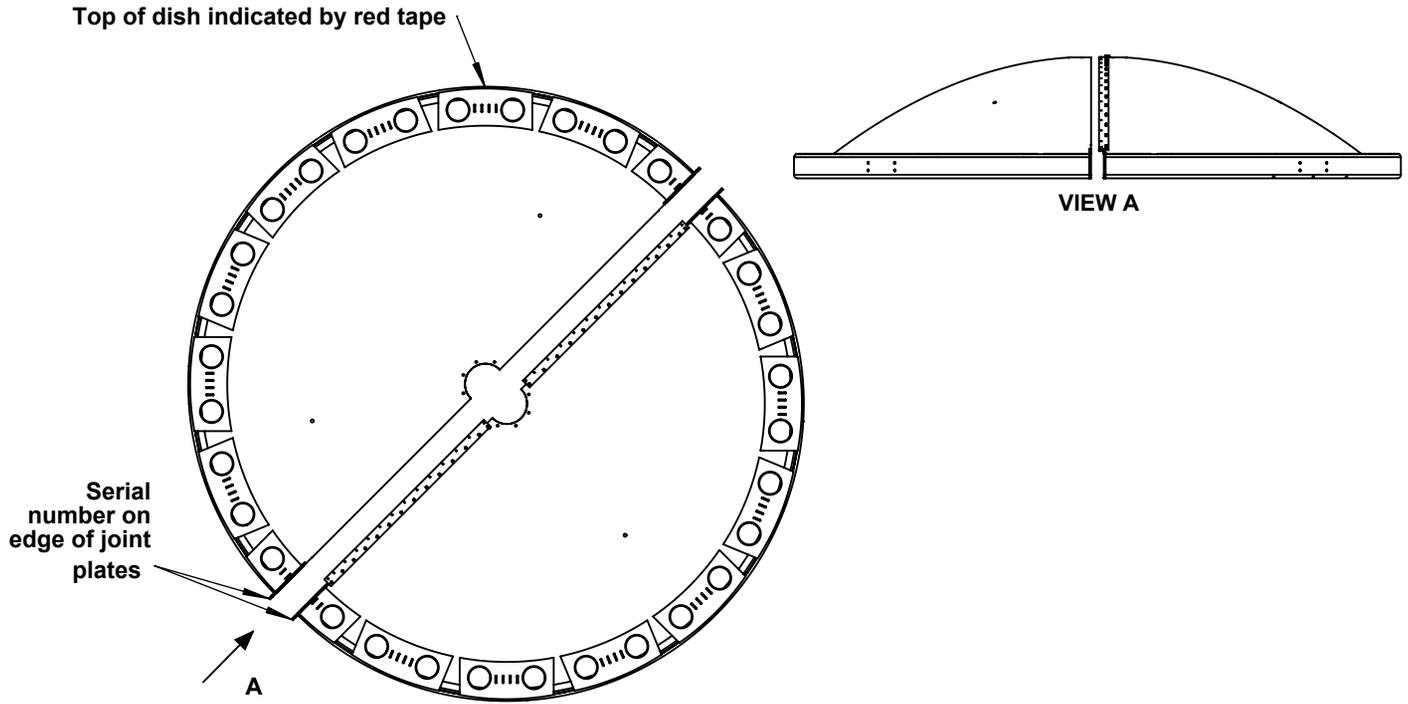
Components



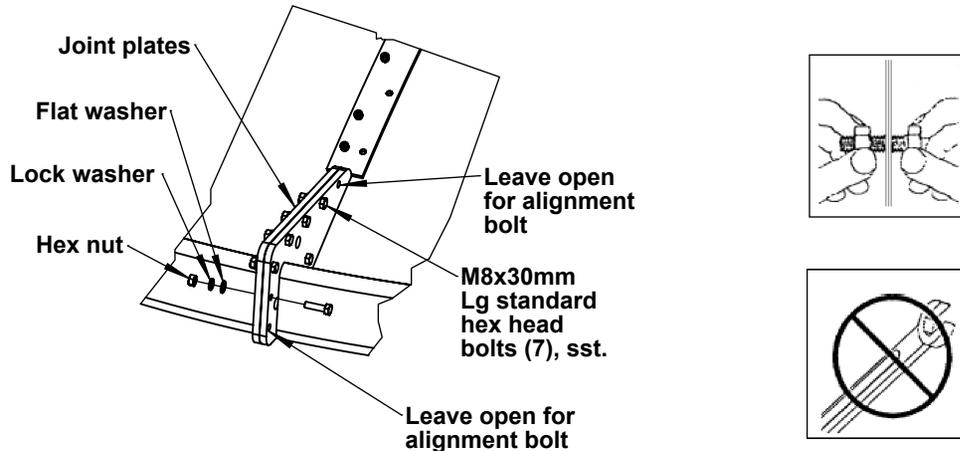
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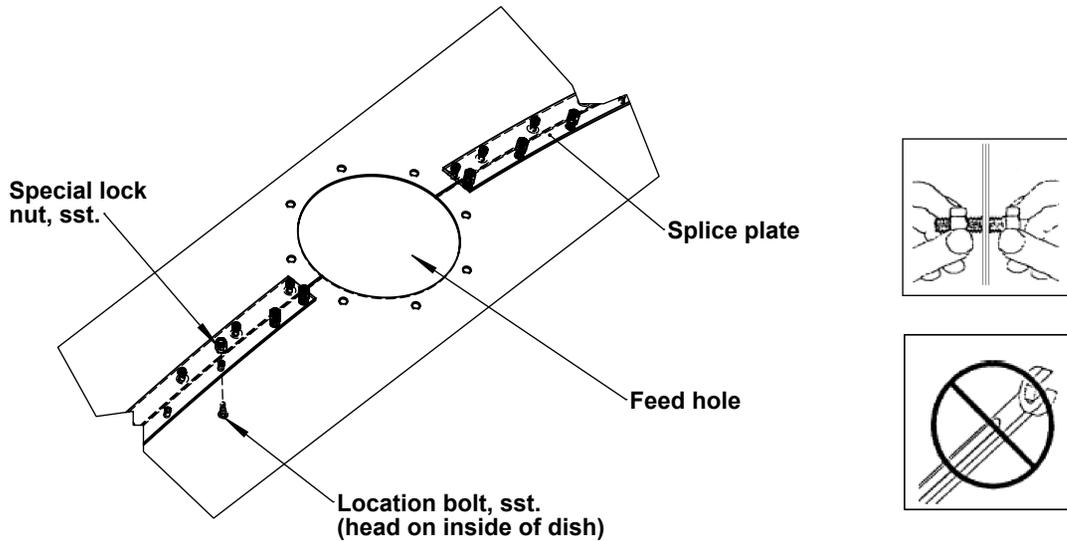
- Confirm serial numbers are identical on each reflector half and backing ring.
- Inspect splice strip on reflector for damage.
- Station person under reflector. The reflector should be assembled on a flat level surface.
- Place reflector halves together.



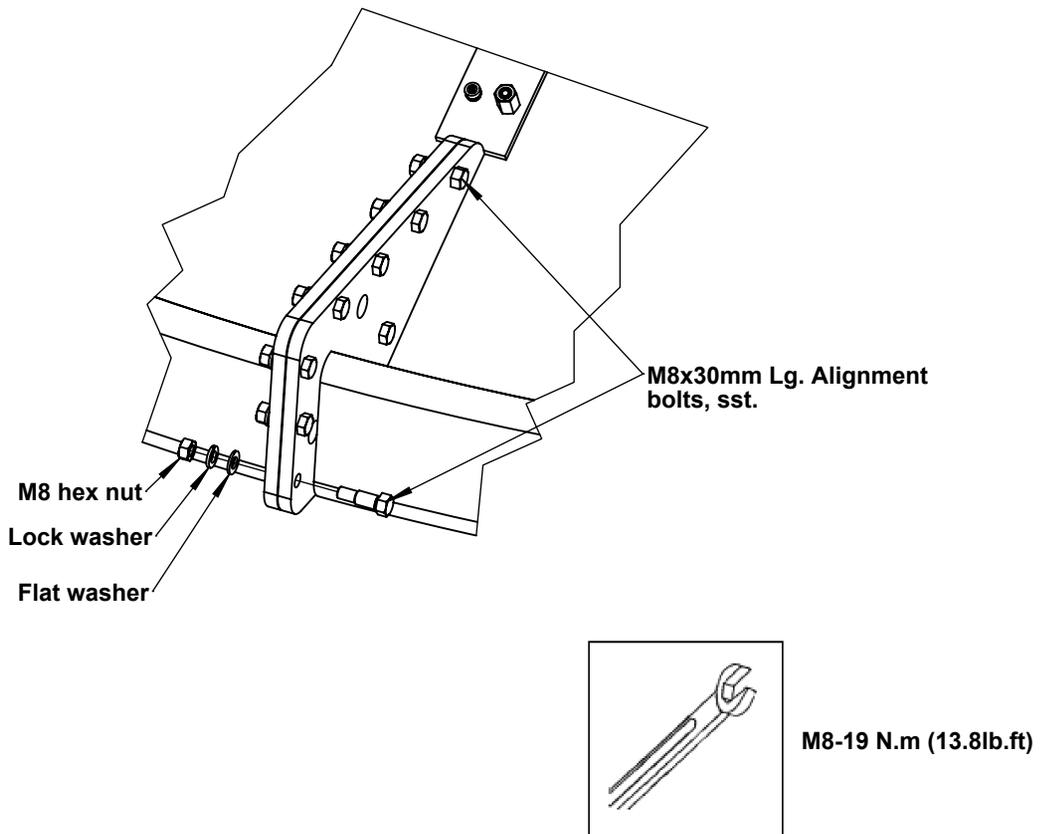
Install M8x30 bolts at locations as shown, 7 at each joint plate.



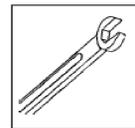
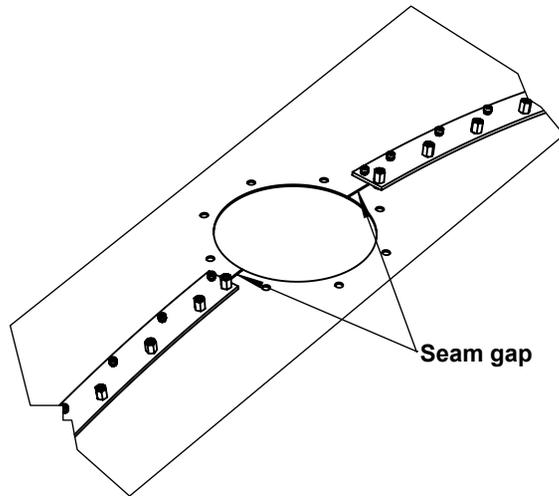
Install 6 location bolts and lock nut in splice plate, 3 on each side of feed hole



Install and tighten 4 alignment bolts at locations shown, 2 at each joint plate. bolts should insert easily by hand, remove paint from holes if necessary. Tighten all bolts at joint plate after alignment bolts tightened.



Add remaining splice strip bolts and tighten from rim to feed hole, one side at a time. The seam gap must be made uniform prior to tightening splice strip bolts. The seam gap can be opened by person under the reflector pushing outward at the seam, and closed by person outside dish pushing inward at seam.



M6-7.7N.m (5.7lb.ft)

Attach backing ring, aligning red line match marks, using M8 button head screws, as shown. Tighten hardware in-one direction, around mounting ring.

