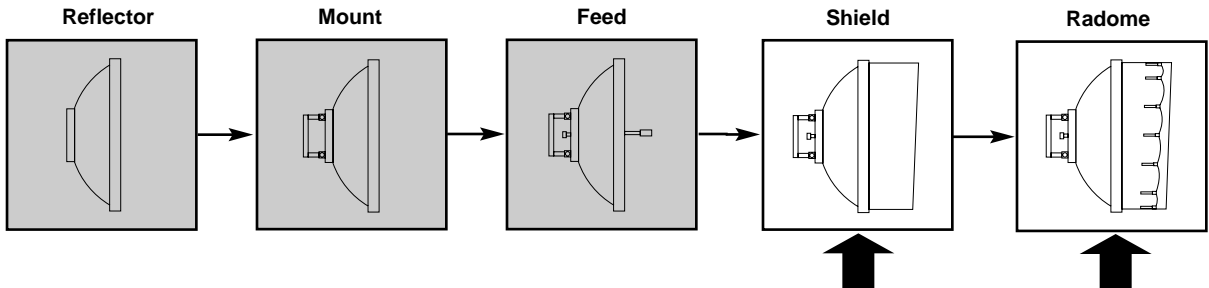


# Antenna Shield and Radome

for 4.6-m (15-ft) Diameter Parabolic Antenna



Sequence of Antenna Assembly

### Description

This shield is designed to reduce side-lobe radiation levels of high performance, parabolic antennas. The instructions given in this bulletin apply to the shield and partly to the radome. Refer to the radome bulletin for details of J-bolt adjustment. *The symbol at the right is used to indicate "repeat several times."*



### Notice

*The installation, maintenance, or removal of antenna systems requires qualified, experienced personnel. Andrew installation instructions have been written for such personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment. Andrew disclaims any liability or responsibility for the results of improper or unsafe installation practices.*

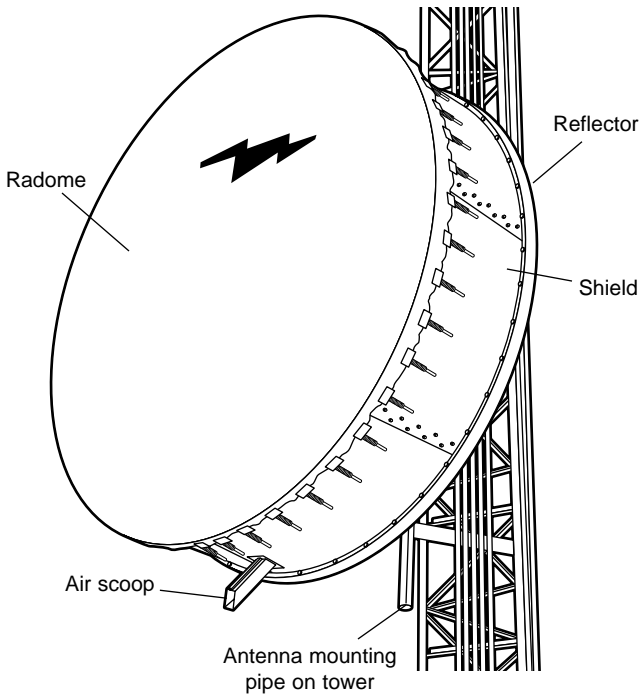
### Tools

Standard hand tools can be used for this installation. A ratchet and deep well wrench sockets are recommended. However, combination wrenches, box or open-end type, may be used. Wrench sizes for the furnished bolt hardware are as follows:

Wrench size	Bolt size
10 mm	M6
13 mm	M8
16-17 mm	M10

Other tools include:

- Two large standard blade head screwdrivers
- Six large Phillips head screwdrivers
- One pair of slip joint pliers
- Four large shackles
- Crane and four 6-m (20-ft) hoisting straps



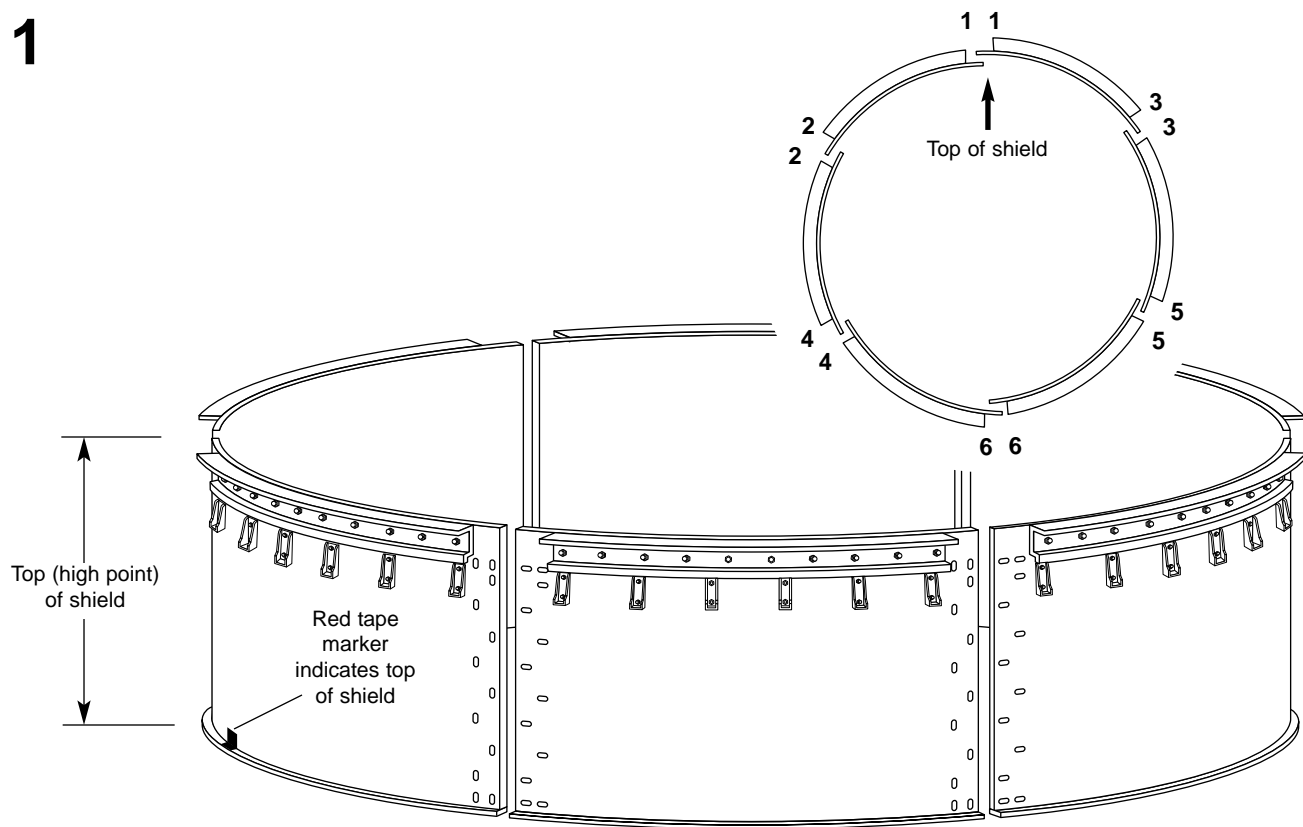
### Area and Personnel Requirements

Allow as much flat terrain as possible to assemble the shield, typically four or five times the diameter of the antenna.

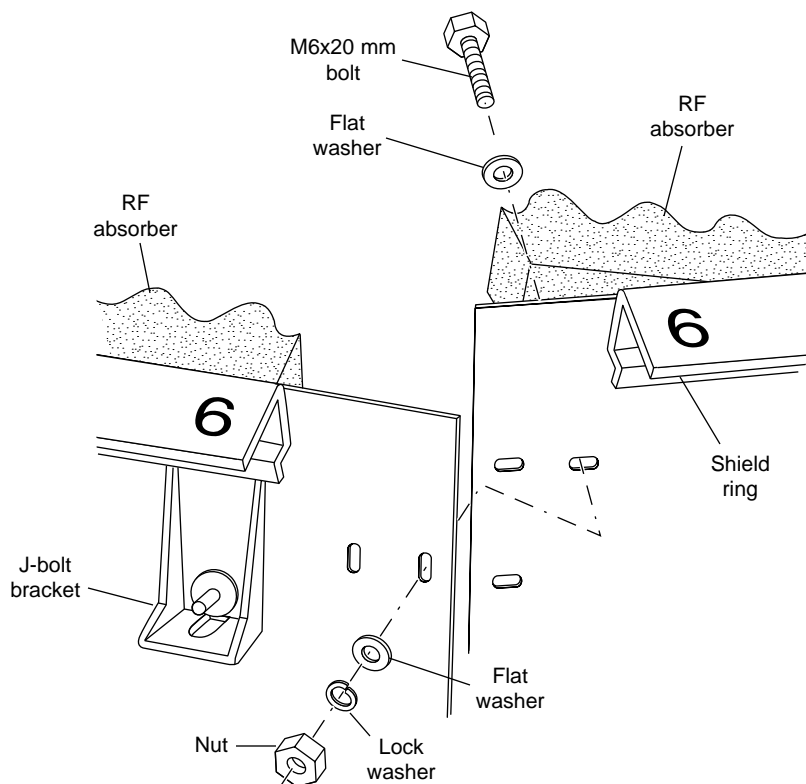
Use the following values to determine the hoist strap rating and crane needed to lift the shield assembly onto the reflector.

Antenna diameter	Shield weight	Antenna weight
4.5 m (15 ft)	156 kg (345 lb)	500 kg (1100 lb)

# 1

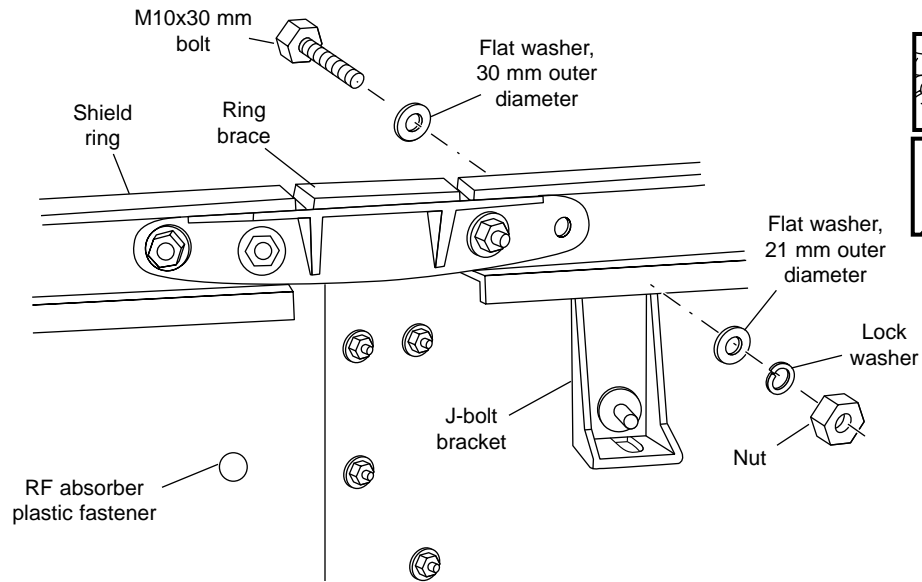


# 2



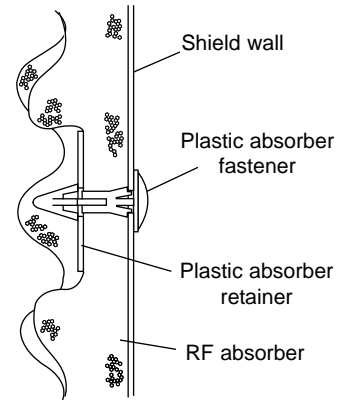
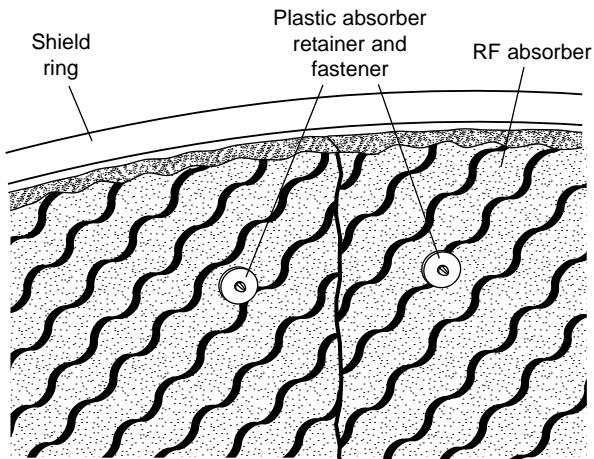
**6X**

# 3



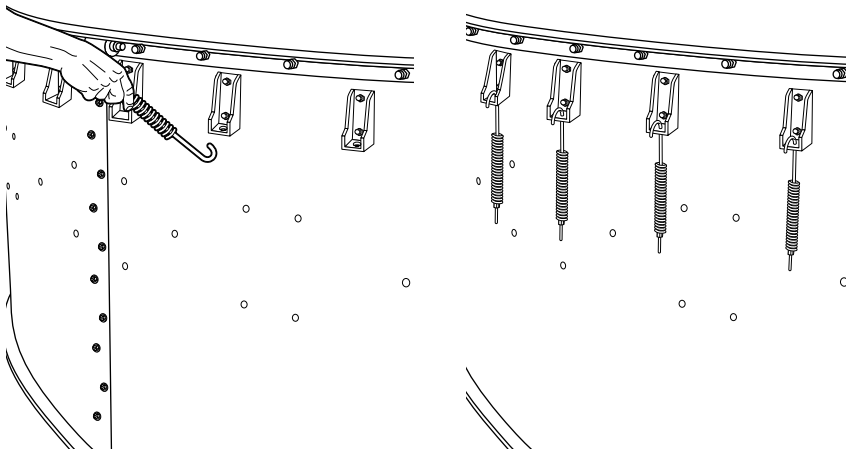
**6X**

# 4

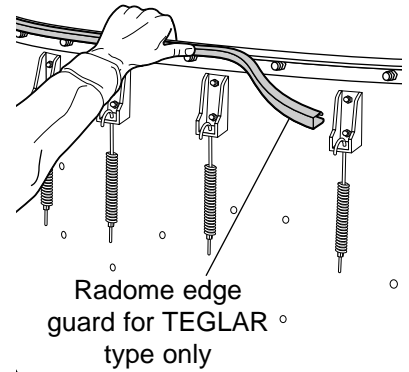


**Inspect  
for and  
replace  
broken  
fasteners**

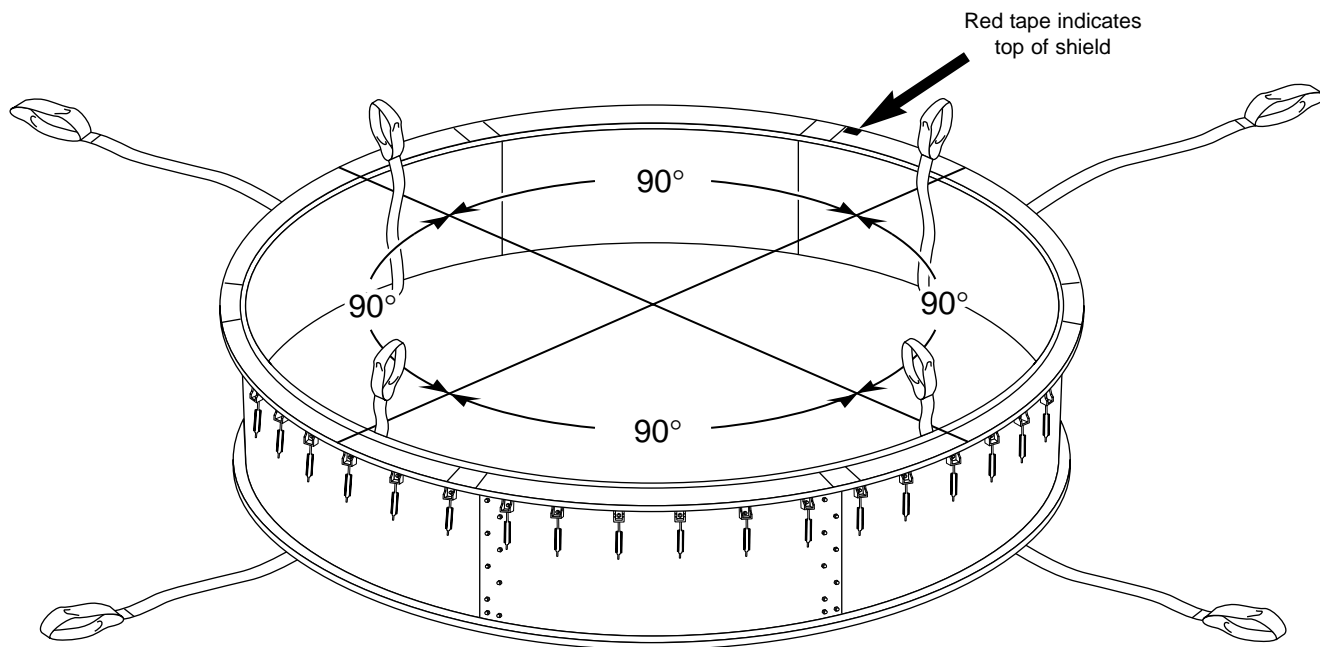
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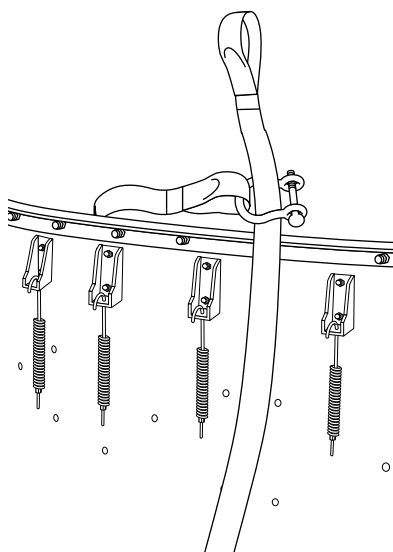
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7

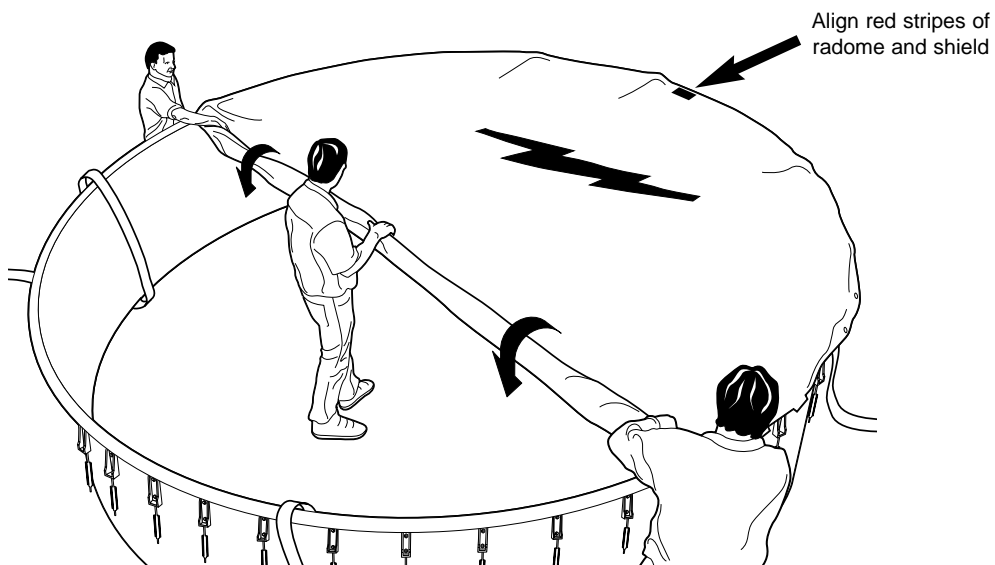


8

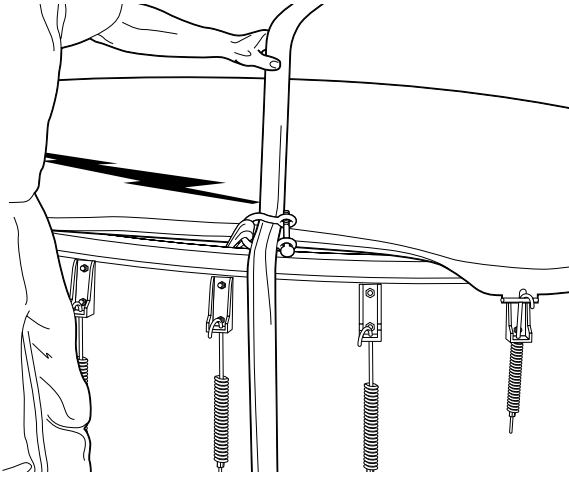


4X

9



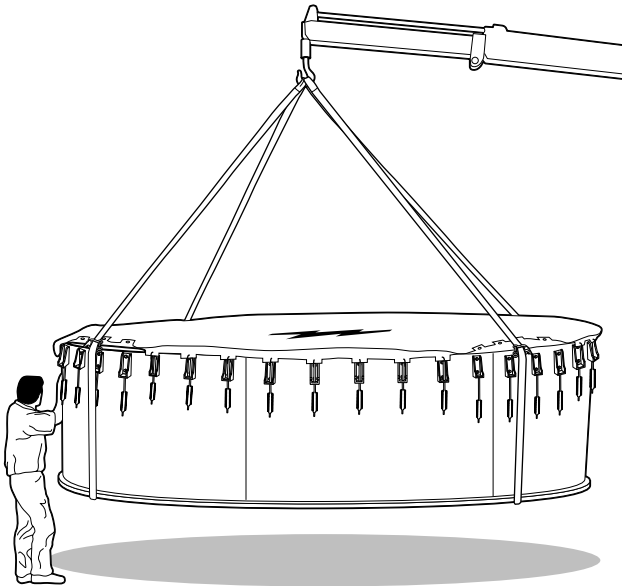
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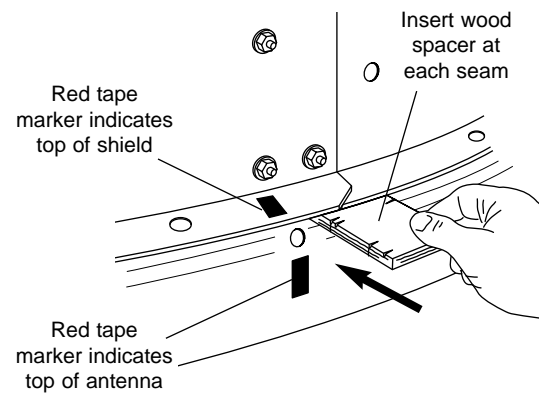
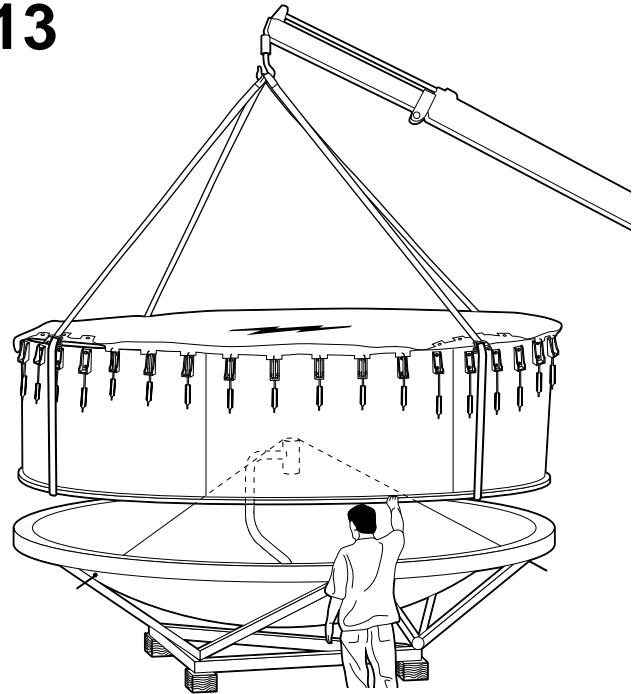
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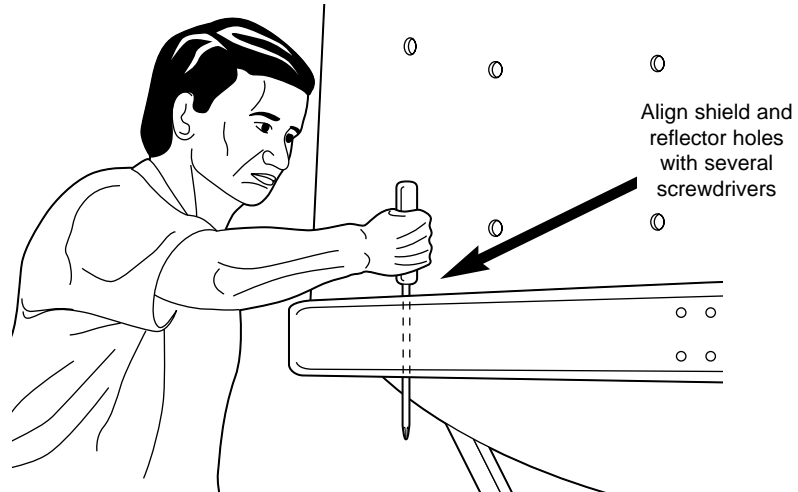
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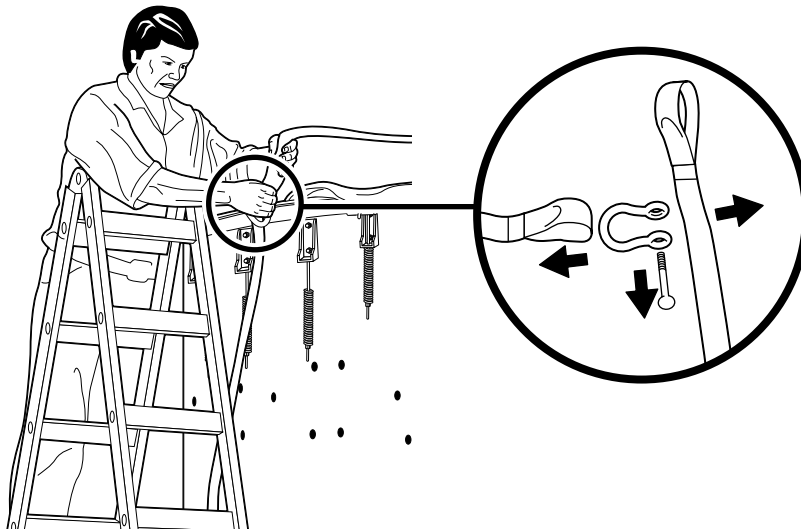
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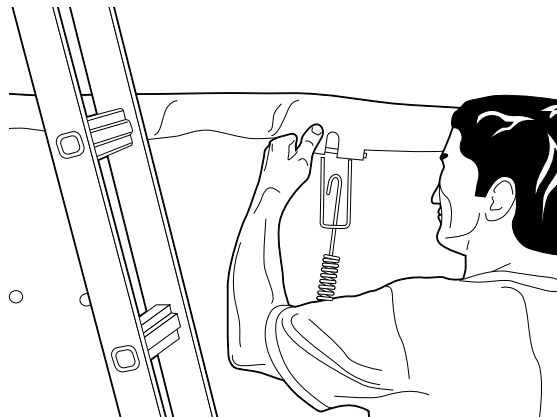
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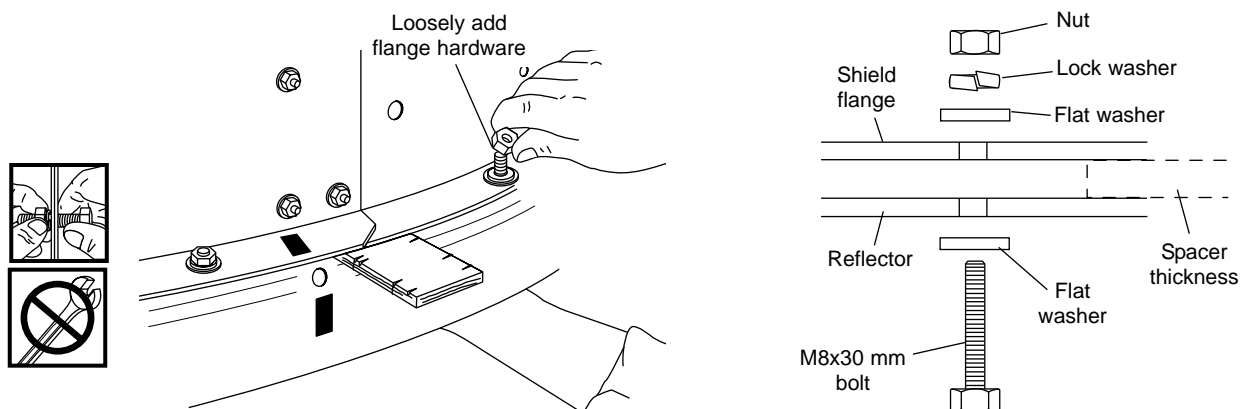
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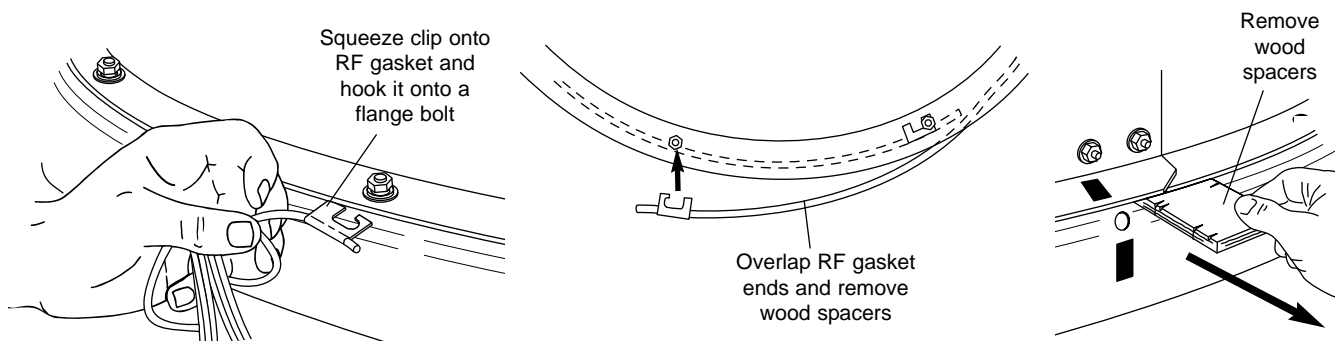
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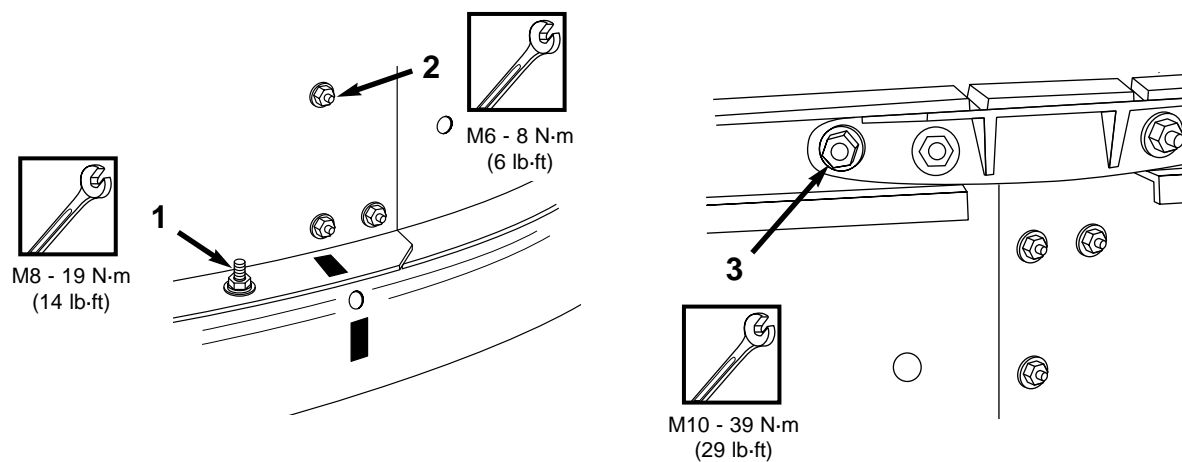
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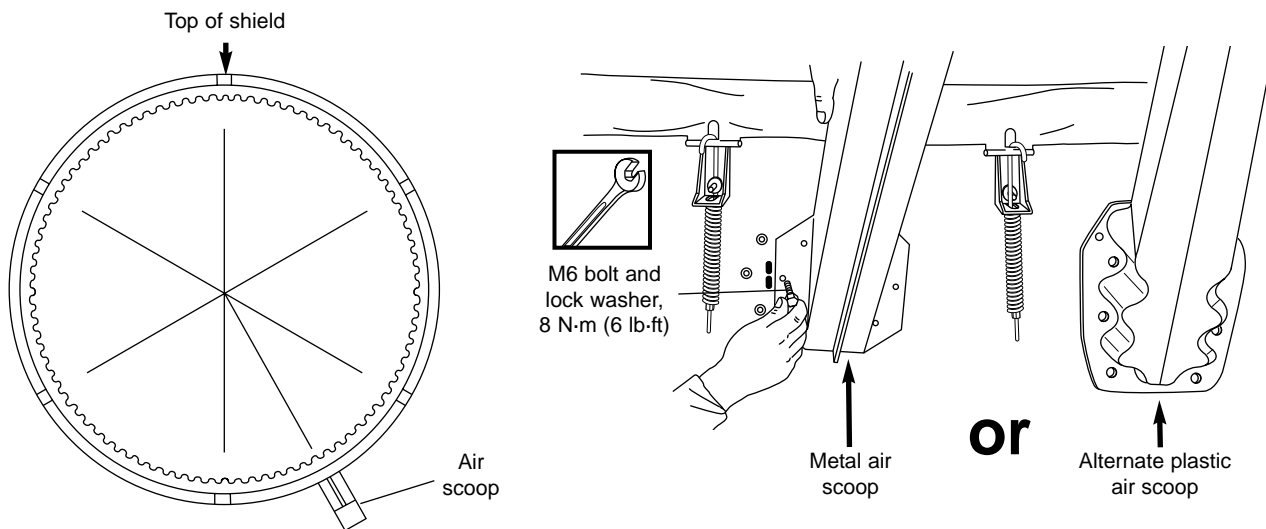
# 18



# 19

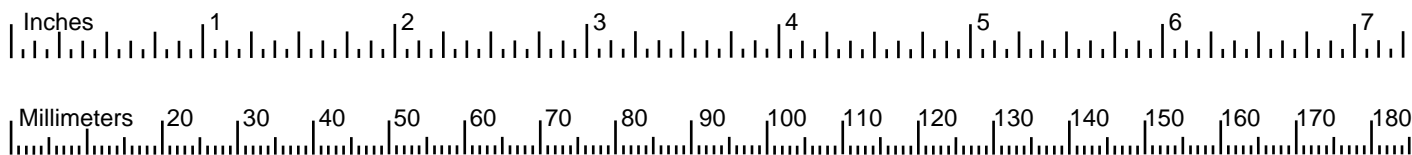


# 20



# 21

Proceed to radome bulletin to perform J-bolt adjustment.



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