

31104 - PARACLIPSE MOTOR DRIVE INSTALLATION

NOTE: This procedure is written for an 18" throw actuator

1. Install the rib bracket on the same rib that held the azimuth tube bracket. The bracket is positioned approximately 15" from the edge of the back hub plate to the center of the bracket. (Ref: Fig. 1) Drill three 5/16" holes through the rib and rib brace, using the bracket holes as a guide. Bolt the bracket to the rib and brace using (3) 5/16" x 2" bolts. Secure the bracket, using three 5/16" flatwashers and three 5/16" nyloc nuts.
2. Mount the actuator clamp to the main body of the actuator using two 5/16" x 2" U bolts, four 5/16" flatwashers and four 5/16" nyloc nuts. Temporarily tighten to body of actuator near the motor. (Ref: Fig. 2)

NOTE: Motor should be installed in an upward position.

3. Install 1/2" x 7/16" spacer bushing in the clamp mounting hole, then bolt the actuator clamp to the "Polar L" using 1/2 x 1 1/2" bolt, lockwasher, and flatwasher. (Ref: Fig. 2)

NOTE: The actuator must be fitted with a heim bearing welded to its end to interface with the rib bracket.

4. Install the 1/2" x 1 1/4" spacer bushing in the heim bearing at the screw jack end of the actuator, then mount the actuator to the rib bracket using one 1/2" x 2-3/4" bolt, lockwasher, and nut. (Ref: Fig. 1)

NOTE: The actuator should be delivered from factory with 1/4" hole in gear housing and jack to gear housing sealed. If not refer to step 5.

5. Drill 1/4" hole in gear housing and seal jack to gear housing with silicone sealant or equivalent (Ref: Fig. 2).
6. The actuator must finally be adjusted to permit full coverage of the existing satellites, and ensure that the actuator can operate over its full range without damaging the antenna or actuator. The effective length of the actuator is set by the position of the actuator in the clamp.

#65094 - Actuator Rib Bracket  
& Hardware Kit

#65093 - Actuator Clamp  
& Hardware Kit

Part #

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650955 - Actuator rib bracket	(1)	65099 - Actuator Clamp	(1) - E
55061 - 5/16" x 2" bolt	(3)	52090 - 1/2" x 1 1/2" bolt	(1) - A
55062 - 5/16" flatwasher	(3)	52092 - 1/2" lockwasher	(1) - B
55020 - 5/16" nyloc nuts	(3)	52088 - 1/2" flatwasher	(1) - C
55110 - 1/2" 2-3/4" bolt	(1)	52098 - 1/2" x 7/16" spacer	(1) - D
52092 - 1/2" lockwasher	(1)	55111 - 5/16" x 2" u-bolts	(2)
52089 - 1/2" nut	(1)	55062 - 5/16" flatwashers	(4)
65097 - 1/2" x 1 1/4" spacer	(1)	52020 - 5/16" nyloc nuts	(4)
		54031 - Heim bearing	(1) (optional)

Over . . . .