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*The #1 Choice in Performance
Boating!*

ACTUATORS UPPER BRACKET

Model # AB, ABHP

Installation Instructions

IMPORTANT

When installing upper cable bracket, it is extremely important to follow these instructions **exactly when re-torquing U-bolts**. The torque is very critical, as the u-bolt provides clamping force to hold the upper swivel pin. If the u-bolt is not tightened to specifications, excessive play in the steering system can occur...**a very dangerous situation**.

Step 1

Loosen both nuts on the u-bolt evenly to avoid stressing the u-bolt.

Step 2

After removing the u-bolt nuts, be sure to leave backing plate in position and place supplied bracket onto the u-bolt.

Step 3

Tighten both nuts evenly until they just contact the stainless steel cable bracket. Make sure an even amount of thread protrudes through each locknut.

Step 4

Tighten each nut alternately until a torque of 50-55 lb ft. (67-74 Nm) is reached on each locknut.

Step 5

Insert cable through top of lock collar and do not tighten set screw. Thread brass pivot point to cable end.

Important! PLEASE NOTE!

The standard bravo **gimbal** actuator differs from the high performance bravo actuator. Look for stock trim sender on starboard (right hand) side of gimbal. The stock trim sender (which does not apply to the high performance gimbals) indicates this is a standard gimbal.

ACTUATOR INSTALLATION FOR STANDARD BRAVO DRIVE

Step 1

Remove stock trim sender unit from gimbal ring.

Step 2

Remove center drive nut and washer (located below oil plug).

Step 3

Install lever to drive unit, placing pivot point into trim sender hole and front lever onto drive bolt.

Step 4

Reinstall drive nut and torque to 50 lbs. ft.

Step 5

Torque allen head bolt securely.

MECHANICAL INDICATOR AND ACTUATOR ADJUSTMENT PROCEDURES

IMPORTANT! When adjusting indicator and actuator cable, it's crucial to place pointer to "in" (down) position and make sure drive is in the fully "in" (down) position.

PLEASE NOTE: Due to variation in cables, the set screws that hold both cable ends may or may not fit into slot.

Once adjusted properly, tighten lock nut located in lock collar and insert cotter pin in brass pivot point.

U-BOLT NUTS

LOCK COLLAR

PUCK

**INDICATOR NEEDLE
ADJUSTMENT**

DRIVE BOLT