

TO: SERVICE MANAGER MECHANICS
PARTS MANAGER

No. 86-27

- A. Trim Cylinder Anchor Pin Nuts Falling Off
- B. Alpha One Exhaust Pipe Installation
- C. Initial Timing Change 320 EFI

A. TRIM CYLINDER ANCHOR PIN NUTS FALLING OFF

It has been brought to our attention that the front anchor pin nuts (a) (Figure 1) which fasten the trim cylinders to the gimbal ring on the Alpha One transom assembly have been backing off. After checking into the situation we have found that the nuts are not being tightened properly. The nuts are left loose at the factory for shipping purposes and ease of drive unit installation. When installing the drive unit the fore and aft anchor nuts must be tightened until the washer and nut bottom out on the anchor pin. In certain cases where the trim cylinder came loose, the gimbal ring broke and subsequent damage to the transom resulted.

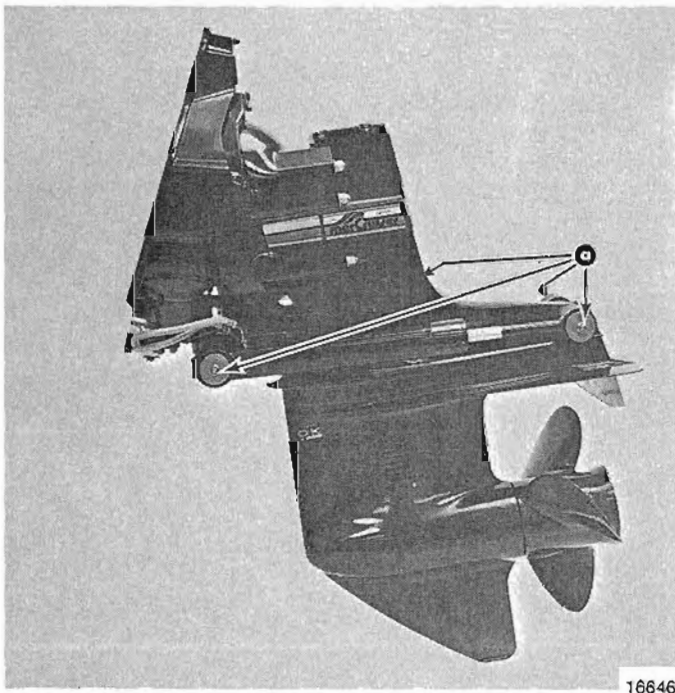
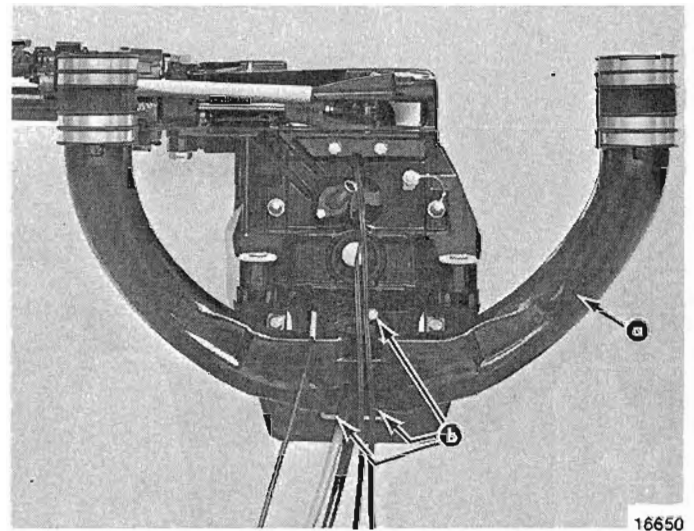


Figure 1. Trim Cylinder Nut Location

B. ALPHA ONE EXHAUST PIPE INSTALLATION

All MerCruiser V-6 and V-8 Alpha One Magnum models are now being equipped with the new Plus Power™ exhaust system for improved performance. The exhaust pipe on these models is secured to the gimbal housing with 3 screws, instead of 4 as in the past.

The torque specification for these screws is still the same as in the past – 20-25 lbs. ft.



- a - Exhaust Pipe Assembly
- b - Torque Screws to 20-25 Lbs. Ft. (27-34 N.m)

Figure 2. Exhaust Pipe Assembly Installed

C. INITIAL TIMING CHANGE 320 EFI

The MCM 320 EFI initial timing has changed from 8 degrees BTDC to 12 degrees BTDC. The owners manual and the decal will also be changed on future production.