



CIRCULATE TO:	SERVICE MGR.	PARTS MGR.	MECHANICS	Place in Your "Service Bulletins" Binder
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- A. Mere 402M and 500M Shift Interlock Spring Removal
- B. Lubrication of Merc 1750 Transom Mounting Bolts
- C. Hose Clamp Location - Merc 850 Fuel Pump
- D. Control Removal from Mercury Outboard Carton
- E. Exhaust Relief Ports - Merc 110-75-45

## A. MERC 402M and 500M SHIFT INTERLOCK SPRING REMOVAL

(Attach Service Bulletin Sticker to P. 4A-7 of Your Service Manual)

Merc 402M and 500M Outboards incorporate a shift interlock which allows the rewind starter to operate in neutral position only. At times, Mercury Marine has received complaints of the interlock jamming up and not allowing the rewind starter to operate. To prevent the interlock from jamming, remove toggle spring (C-24-57279). (Figure 1) Merc 1977 models do not have the toggle spring installed.

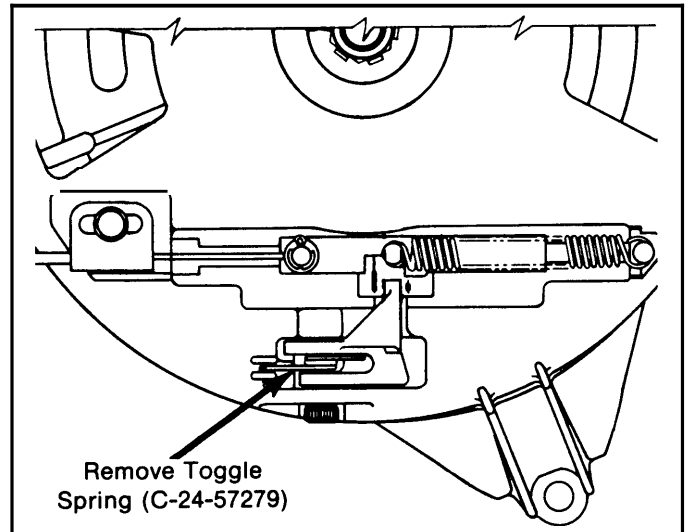


Figure 1. Toggle Spring Location

## B. LUBRICATION of MERC 1750 TRANSOM MOUNTING BOLTS

(Attach Service Bulletin Sticker to P. 2A-2 of Your Service Manual.)

When installing transom mounting bolts during Merc 1750 installation, place Multipurpose Lubrication (C-92-63250) on the bolt threads before installing nuts (prevents galling of threads). Use caution to avoid cross-threading and DO NOT allow contaminants to enter the lower hydraulic fittings (mounting bolts).

## C. HOSE CLAMP LOCATION - MERC 850 FUEL PUMP

(Attach Service Bulletin Sticker to P. 5A-1 of Your Service Manual.)

Some 1976 and 1977 Merc 850's have the hose clamp on the fuel inlet cover installed as shown in Figure 2. In this case, however, the hose clamp can rub on the wrap-around cowl and cause the plastic fuel inlet cover to crack or break off. To remedy, hose clamp must be installed as shown in Figure 3 (connector on hose clamp facing spark plugs).

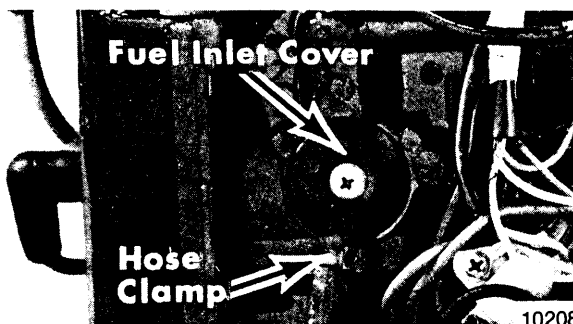


Figure 2. Hose Clamp Location

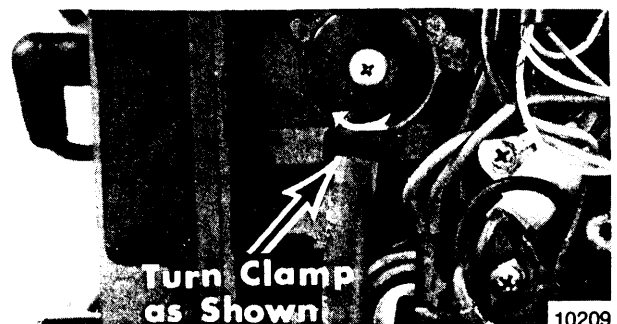


Figure 3. Hose Clamp Turned

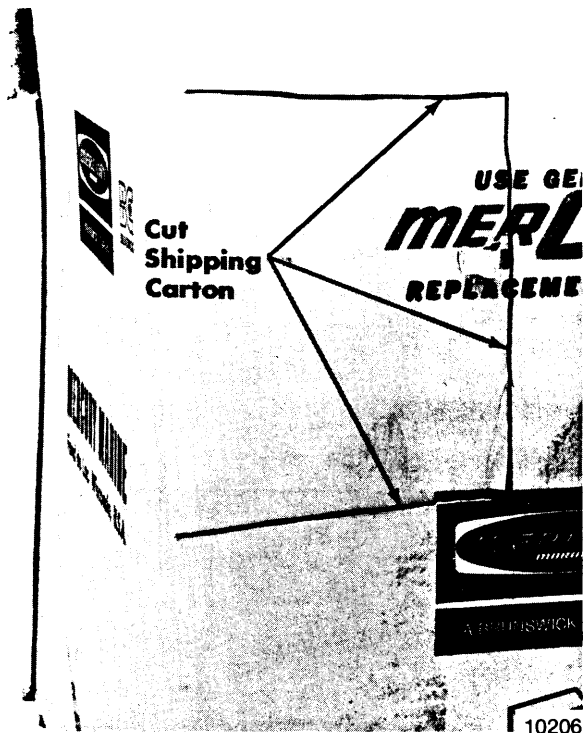


Figure 4. Cutting Carton



Figure 5. Remote Control Box Exposed

#### D. CONTROL REMOVAL from MERCURY OUTBOARD CARTON

(Attach Service Bulletin Sticker to P. 2A-15 of Your Service Manual.)

Many Mercury Outboard dealers remove the remote control from the outboard carton to pre-rig boats. Starting with 1977 Power Trim models (Serial No. 4603762 and up), remote controls are packaged in a box and inserted into the outboard carton. To remove remote control from carton (for pre-rigging), cut the carton as shown in Figures 4 and 5. Carton must be cut on the rear side only to remove control.

#### E. EXHAUST RELIEF PORTS - MERC 110-75-45

(Attach Service Bulletin Sticker to P. 7A-11 of Your Service Manual.)

Occasionally, maximum reverse thrust is required on an installation such as an auxiliary engine on a sailboat or other heavy displacement hull. To obtain this maximum reverse thrust, drill two  $\frac{1}{2}$ " (12.7mm) diameter exhaust relief holes in the gear housing, as shown in Figure 6.

Tests conducted on Merc 110-75-45 models indicate that reverse thrust could be approximately doubled by drilling the relief holes.

Merc 110-75-45 1977 Models have a "dimple" in the gear housing at the above location for ease in drilling.

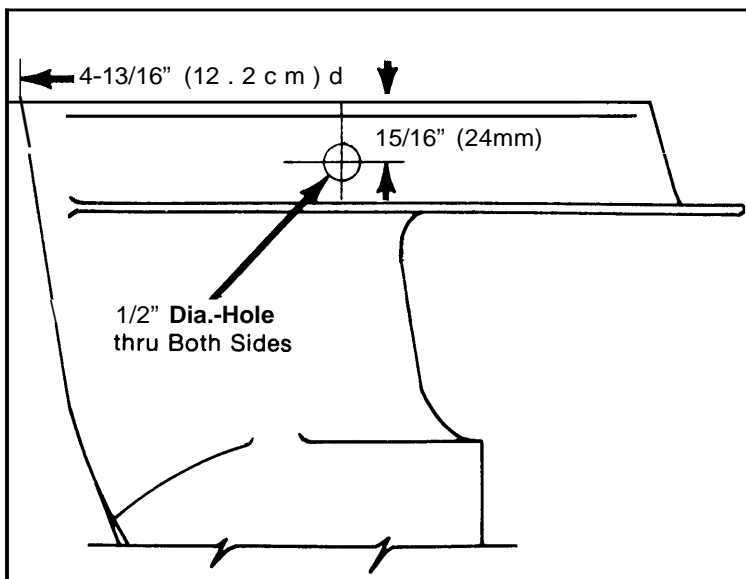


Figure 6. Drill Hole Location