

- A. MerCruiser Drive Unit Trail-Out
- B. Reverse Lock Valve Adjustment

A. MERCUISER DRIVE UNIT TRAIL-OUT

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

Certain MerCruiser 120/140/165/888/225S/225-255TR/255TRS units (Serial Nos. following) were designed for easy trail-out when operating over rocks and sandbars in shallow waters at slow speeds.

However, Mercury Marine has determined that in certain combinations of boat type, engine horsepower and method of operation, these MerCruiser stern drive units will trail-out too easily on rapid deceleration. This could result in momentary insufficient steering control, as well as possible temporary loss of reverse lock-down and greatly reduced reverse thrust.

Mercury Marine has notified all owners of MerCruiser units in the serial number range, below, and recommended that they return their units to their nearest MerCruiser servicing dealer for installation of a new auxiliary Power Trim control valve kit. The new valve will make the unit as resistant to trail-out as previous models and will prevent the too-easy trail-out from occurring.

Each unit that you have sold, have in your stock or, which is brought to you by MerCruiser owners to be changed, is to be inspected to determine whether the Power Trim Control Valve has already been replaced with the latest Power Trim Control Valve (B-48077A3). To identify the correct Trim Control Valve, check the following.

Install new Power Trim Control Valve Kit (B-71802A1) on all MerCruiser units which have B-66074A3 Control Valve. DO NOT INSTALL this kit on any unit which already has the B-48077A3 Control Valve installed.

Units Affected Are	Drive Unit Serial No.
MC 120-140-165	3780850 and Above
MC 888-225S	3784375 and Above
MC 225-255TR & 255TRS	3786860 and Above

CONTROL VALVE IDENTIFICATION

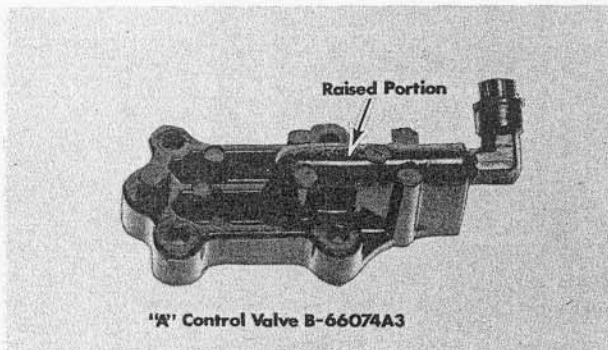
1. If the top of the Power Trim pump motor is marked with white paint, the correct control valve (B-48077A3) has been installed.
2. If trim pump is not marked, you must check the control valve to ensure that control valve B-48077A3 IS NOT installed before installing kit. Figure 1 shows both styles of control valves. "A" is valve B-66074A3 (note the raised portion). This valve requires kit B-71802A1 to be installed. "B" is valve B-48077A3 (note valve surface is flat). This valve requires NO kit to be installed.

(OVER)

Order one Power Trim Control Valve Kit for each MerCruiser 120/140/165/888/225S/225-255TR/255TRS unit (in Serial No. range shown on previous page) that you have sold or have in your inventory or which you know will be serviced by you.

POWER TRIM CONTROL VALVE KIT B-71802A1 - Order Today.

Installation Instructions Are Packaged with the Control Valve Kit (B-71802A1).



"A" Control Valve B-66074A3



"B" Control Valve B-48077A3

08775

← **Figure 1. Control Valve Styles**

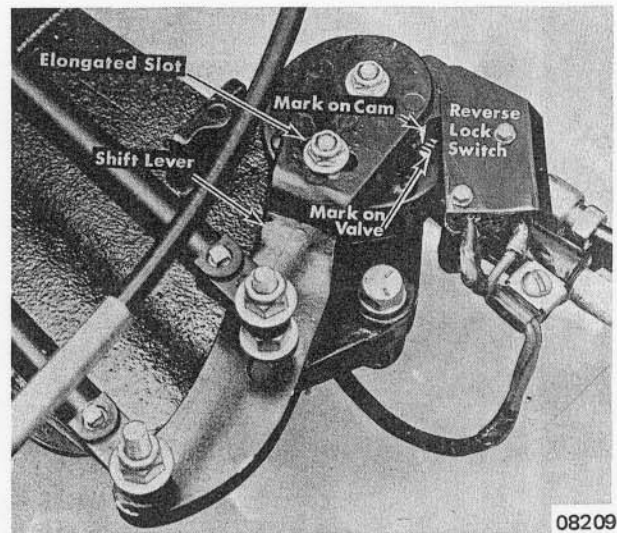


Figure 2. Location of Marks

B. REVERSE LOCK VALVE ADJUSTMENT

(Attach Bulletin Reference Sticker to P. 7A-18 of Your Service Manual.)

After new Power Trim Control Valve Kit (B-71802A1) is installed, adjust reverse lock valve as follows:

1. Move remote control shift handle to full "Reverse" position while turning propeller shaft clockwise until shaft stops, thus ensuring full clutch engagement.
2. Loosen 2 shift lever to reverse lock valve attaching nuts and move forward nut in direction required to line up raised triangular mark on cam with SECOND raised mark on reverse lock valve cover. (Figure 2) Tighten 2 shift lever attaching nuts.
3. With boat in water and engine running, operate drive unit in reverse gear. If drive unit trails-out (will not hold in down position), over-adjust reverse lock valve one mark at a time until drive unit holds.

Upon completion of your rework, fill out the standard warranty claim to receive credit for labor and parts. One claim may cover a number of units. Claims must indicate all serial numbers of units repaired. Mail to your local Branch or Distributor.

Installation of Control Valve Kit

0.4 Hours