

TO: SERVICE MANAGER  MECHANICS   
PARTS MANAGER

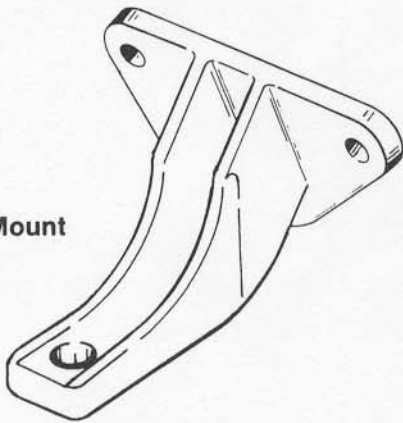
No. 86-24

## Official Notification Under the U.S. Federal Boat Safety Act

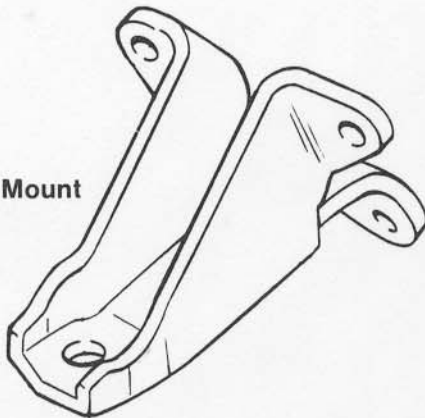
MerCruiser 454 Magnum engines in the following serial number group, A631894 thru B522239, (manufactured between January 1986 and August 1986) have front motor mount brackets that may crack and/or break under certain operating conditions. These conditions, such as jumping wakes or high speed operation in rough water may apply excessive forces to the mount brackets. When operating under these conditions the engine breaks loose from its mounting, and severe boat damage may result. We are initiating this defect notification to have the motor mount brackets replaced. The attached letter is being sent by certified mail to all known owners of these engines.

You must contact your customers, who own boats powered with engines described above, advising them to return the boats to you for repair.

**Replacement Cast Mount  
Part No. 79550A1**



**Original Stamped Mount  
Part No. 44364A1**



Suspect engines listed must have the motor mount brackets replaced. Remove stamped motor mount brackets 44364A1 and replace with cast motor mount bracket part number 79550A1. Each engine requires two motor mount brackets. Remove and install motor mount brackets per instructions following.

### REMOVING MOTOR MOUNT BRACKETS

1. Remove out drive.
2. Support front of engine with a suitable hoist.
3. Remove top adjustment nuts from both engine mounts.
4. Loosen rear engine mounts a few turns.
5. Raise engine using hoist.
6. Remove engine mount between brackets from engine block. Retain lock washers, discard bolts.

### INSTALL ENGINE MOUNT BRACKETS

1. Install new engine mount brackets using bolts supplied and lock washers retained from oil bracket. Torque bolts to 30 lbs. ft. (41 N.m)
2. Lower engine onto motor mounts and install top adjustment nuts.
3. Tighten rear motor mount bolts securely.
4. Check engine alignment as outlined in appropriate service manual.
5. Tighten mount adjustment nuts and bend locking tabs.
6. Install drive unit.

Upon completion of the repair send a warranty claim to your Regional Service Center. Warranty labor allowance is 1.5 hours per engine.

Mercury Marine  
1939 Pioneer Road  
Fond du Lac, WI 54935

Dear MerCruiser Owner:

Mercury Marine has determined that the engine mount brackets on your MerCruiser may crack and/or break under certain severe operating conditions such as jumping wakes or high speed operation in rough water. When operating under these conditions the engine breaks loose from its mounting, and severe boat damage may result. As a precautionary measure, we are initiating this defect notification to have the front engine mount brackets replaced.

Mercury Marine requests you contact your authorized MerCruiser dealer for an appointment to have the front mount brackets on your engine replaced with heavy duty mount brackets. The cost of the brackets and labor will be paid for by Mercury Marine.

We are sorry to cause you this inconvenience. However, we have taken this precautionary action in your interest and continued satisfaction with our product.

Mercury Marine  
Service Department