service bulletin

TO: SERVICE MANAGER ☐ TECHNICIANS ☐
PARTS MANAGER ☐

No. 94-10

OFFICIAL NOTIFICATION UNDER THE U.S. FEDERAL BOAT SAFETY ACT

A. REQUIRED ENGINE GROUNDING STUD REPLACEMENT

Models

MCM 4.3L Stern Drive Engines with 2 BBL Carburetors Only.

Serial Number: 0F142806 - 0F275305.

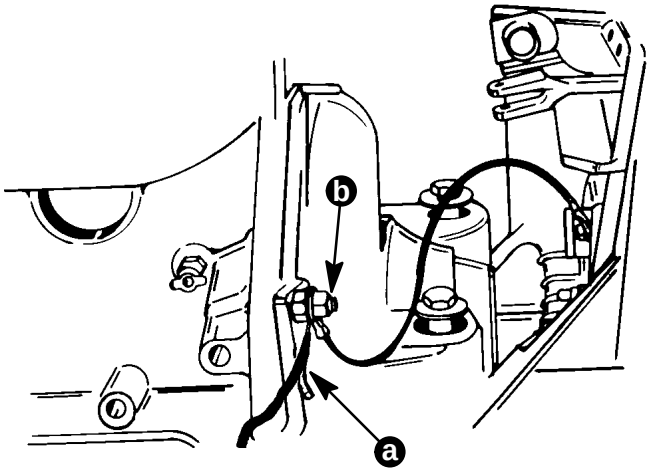
MCM 5.0L Stern Drive Engines with 2 BBL Carburetors Only.

Serial Number: 0F142856 - 0F281390.

NOTE: Does Not Affect Any Other Stern Drive Engines or Inboard Engines.

Situation

The 2 battery cable ground studs, located on the flywheel end of these engines, may not conduct a sufficient amount of electric current to ensure an adequate electrical ground. Without a good electrical ground, the electric choke grounding wire in the engine wiring harness could overheat and be damaged when the starter motor is engaged. This damaged ground wire could combine with gasoline fumes in the bilge to create a fire or explosion. See figure for the location of these 2 grounding studs.



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a - Negative (–) Battery Cable.
b - Ground Stud (One Each Side of Engine). GRAY = Change, GOLD = Already Changed.
Stud Torque: 27 lb. ft. (37 N.m.).

Correction

Look at color of both grounding studs. If the grounding stud is gold in color it does not need to be changed. If the grounding stud is gray in color, it does need to be changed. Remove the gray stud and replace it with the gold colored stud supplied by Mercury Marine.

⚠ WARNING

DO NOT use manifold bolts or any other bolts on the engine for a negative battery cable ground location if that bolt is GRAY in color. In some cases, this GRAY color has been painted over. The only way to determine the bolt's color, is to remove it and look at the unpainted surface. The GRAY color is the coating that is put on that bolt or stud. This GRAY coating is the reason that the bolts or the studs may not be conductive to ground.

Parts Required

(2) 16-64066 Ground Stud

Warranty

Fill out warranty claim and send it to your normal warranty processing center. More than one engine can be put on the warranty claim if you list the part number, engine model, serial number, warranty code and labor hours for each engine on separate lines on warranty claim.

Warranty Code: EXCP

Labor: 1.0 Hours to change both studs.

Old Parts: Return with warranty claim.

STERN DRIVES & INBOARDS

Notice of Recall Pursuant to Federal Boat Safety Act

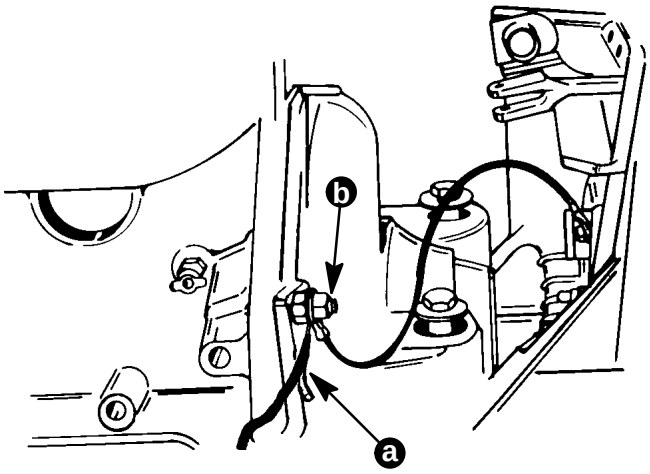
Dear MerCruiser Customer:

Our records indicate that you are the owner of a MerCruiser Stern Drive Engine Package. Your engine has been identified as one of those that may have been built with defective electrical grounding studs and is being recalled under the Federal Boat Safety Act.

Your engine ground studs may not conduct a sufficient amount of electric current to ensure an adequate electrical ground. Without a good electrical ground, the electric choke grounding wire in your engine harness could overheat and damage the wire.

A damaged wire could combine with gasoline fumes in the bilge to create a fire or explosion. Always remember to operate the bilge blower before starting your engine. Mercury Marine has developed this recall to eliminate any risk or concern.

To determine if your engine is affected, the ground studs must be inspected. This can either be done by you or by your MerCruiser Dealer. The studs are located at the rear of the engine on either side of the flywheel housing (see diagram below). The easiest way to find the stud is to locate the negative battery cable at the battery and trace it to the engine ground stud. If the studs are a bright gold/bronze color they do not need to be replaced. In that circumstance, please fill out the enclosed reply card and return it to us by mail. If the studs are a dull gray color, make arrangements with your MerCruiser Dealer to have the studs replaced before you use your boat. If you do not wish to make the inspection yourself, please make arrangements to have the inspection made by your MerCruiser Dealer.



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Your MerCruiser dealer has been made aware of this situation by means of Service Bulletin 94-10. The Service Bulletin instructs the dealer on the proper procedure to procure the studs and make the necessary replacement. In most cases, the replacement should be able to be accomplished in an hour or less. The studs will be replaced without any cost to you. Mercury Marine apologizes for this inconvenience. We take this action in the interest of safety and your continued satisfaction with our product.

If you have sold your boat, please return this letter with the name and address of the new owner so we may contact him/her about this important matter.

Sincerely,

Larry Engelbert
National Service Manager - MerCruiser