



service bulletin

TO: SERVICE MANAGER TECHNICIANS
PARTS MANAGER

No. 88-3

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

Replacement starter motor P/N 50-12872 for MerCruiser models.

Stern Drive	Inboard
MCM 888 serial #4166999 and below	None
MCM 215E	None
MCM 225	None
MCM 255	None

Replacement starter motors P/N 50-12872 sold to dealers from October 1982 thru February 1988 may not comply with U.S. Coast Guard ignition protection

requirements. Contact all customers that you have sold this starter motor to. Inspect and rework as explained in attached letter from Ford. The heavy duty pin P/N 17-812446 if needed for reworking starters, can be ordered from Mercury Marine.

Warranty claims submitted must show engine model, serial number and Ford engine code on claim.

Warranty allowance:

Starter motors on engine	.5 hours
Starter motors in stock	.1 hour

Ford engine codes

MCM 888/215E/225	- CSG 8.50 (302 CID)
MCM 225	- WSG 8.58 (351 CID)



Ford Parts and Service Division
Ford Motor Company

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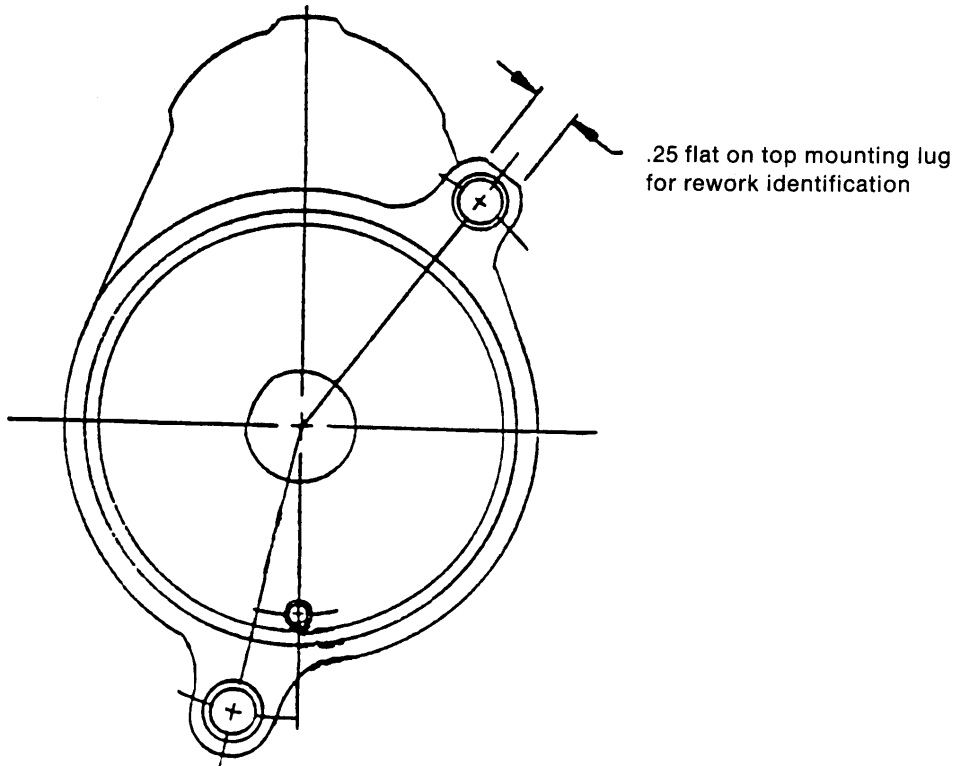
RECOMMENDED PROCEDURE TO REPAIR CRANKING MOTORS

Inspecting your cranking motor (starter):

Loose starters received after November 1, 1987, have been reworked and can be identified by visual inspection of the pin pressed into the front of the starter nose piece. Two repair methods were used to upgrade the flame proof condition of the starters. Starters having a heavy-duty coiled spring pin or two spring pins, one inside the other, installed in the front of the starter nose piece can be used as is.

Two different methods were used to identify reworked starters by Ford activities. These are shown below and if your starter is on an engine, it should be checked for either identification.

1. A 1/4" wide flat has been filed on the top mounting lug of the starter nose piece as shown below:



2. A 1/4" high "R" stamped adjacent to the date code as shown in the sample below:



Starter Motor Identification Decal

The Ford approved method for in-field cranking motor (starter) repair is as follows:

1. Remove the starter motor from the engine in accordance with established removal procedures.
2. Once the starter motor has been removed or if it is loose, locate the spring pin in the nose piece as shown on the sketch below.
3. Without disassembling the starter motor, remove the spring pin with cutting pliers; vise grip pliers or regular pliers.
4. Lightly oil the replacement part (a heavy-duty coiled spring pin, Ford part number 67809), align it with the hole in the nose piece and gently tap it in place with a small hammer. Drive it in until the end of the pin is 1/4-inch to 5/16-inch from the starter motor mounting surface (see sketch below).
5. Reinstall starter motor in accordance with established procedures.

