

TO: SERVICE MANAGER CI      MECHANICS O  
PARTS MANAGER O

No. 90-13

## A. OIL LEAK AT FRONT OF ENGINE

### Fix Program

Please repair engines in your stock. If you have sold the boat, contact owner and have him/her return it to you for repair.

### Models

MCM 4.3L and 4.3LX Stern Drive Engines  
Serial Numbers: OD376136 - OD430541  
Replacement V6 Partial Engines (Part Number 14149AI)  
Engine Codes: 4.3L    T02280KP - T05290KP  
                  4.3LX T02280KR - T05290KR

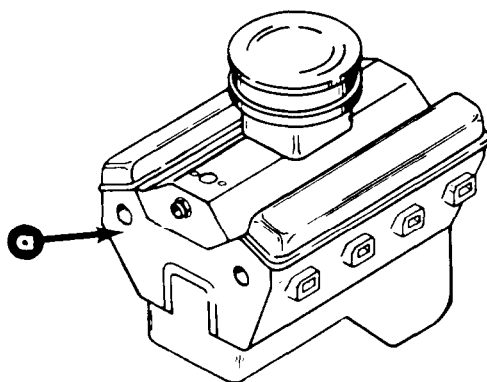
### Problem

Oil leak at front of engine. May give the false appearance that oil is being blown out of the oil dipstick tube.

The leak is at the oil seal in the front crankcase cover (crankshaft). The original seal was either over-size or out-of-round before it was installed into the cover. In most cases, the cover was damaged when the seal was installed at the factory.

### Correction

Check engine CODE on front of engine. Repair only the engines that are within the date codes shown below.



a - V6 (Front, Starboard Side, Near Cylinder Head Mating Surface) – T02280KP/KR - T05290KPIKR  
February 28, 1990 to May 29, 1990 build date

Follow Option A or B to Repair Engine

### **Option A**

If engine has to be removed from the boat to make the repairs, change the front cover.

### **Parts Required**

- 1 Front Cover' 14249A2
- 2 Water Pump Gaskets 27-34897
- 1 Oil Pan Gasket 27-14247
- 5 Qts. of Oil 92-13831AI
- 1 Bell Housing Gasket 27-94996AI

\*Do not use extra seal in carton. It is for RH V8 engine use.

### **Repair**

Follow repair procedures outlined in Section 38 of Number 7 MerCruiser Service Manual.

- Torque on cover screws: 80 lb. in. (9 N.m)
- Torque on torsion damper screw: 60 lb. ft. (81 N.m)
- Torque on oil pan nuts: 165 lb. in. (19 N.m)
- Torque on oil pan screws: 80 lb. in. (9 N.m)
- Torque on water pump screws: 30 lb. ft. (41 N.m)
- Torque on rear engine mounts: 35 lb. ft. (47 N.m)
- Torque on stern drive nuts: 50 lb. ft. (68 N.m)

### **Warranty**

Fill out warranty claim. Send claim and old cover to your normal warranty processing center.

Warranty Code: MM40

Labor: 7.5 hrs.

### **Option B**

If seal can be replaced without removing engine from the boat, change the front cover seal only.

### **Parts Required**

- 1 Front Seal Kit 26-818320AI

### **Repair**

Follow repair procedures outlined in kit's instruction sheet.

Torque on torsion damper screw: 60 lb. ft. (81 N.m)

### **Warranty**

Fill out warranty claim and send to your normal warranty processing center.

Warranty Code: MM40

Labor: 3.5 hrs.