



STERN DRIVES/INBOARD ENGINES

NUMBER: 81-34

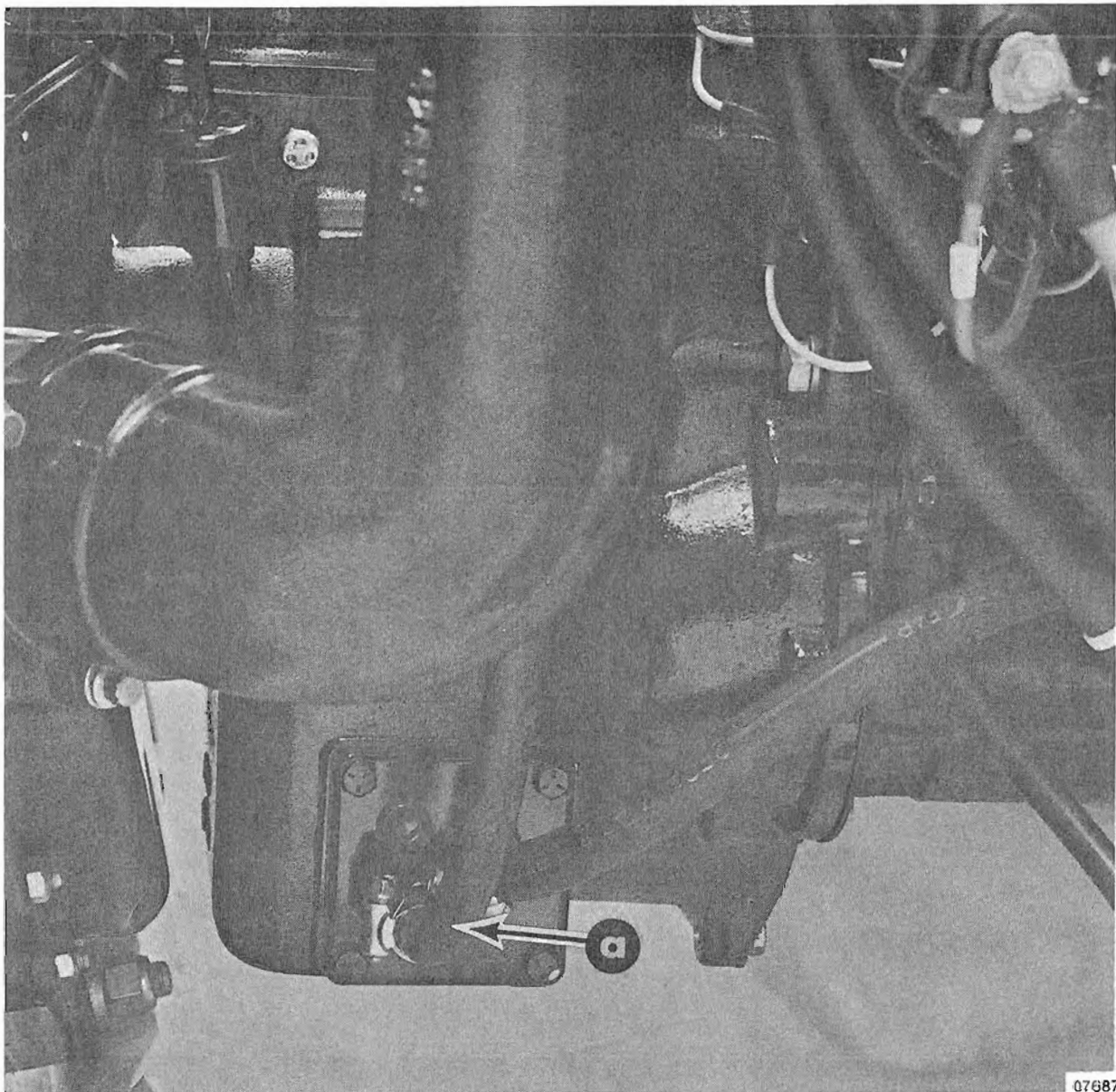
DATE: 12/17/81

- A. Transmission Oil Cooler Hose - MCM 330 TR and TRS Engines
- B. MerCruiser Service Replacement "Short Block" Engines - All Models
- C. New Camshaft in MCM 485, Serial No. 5890139 and Above
- D. D.C. Variable Voltage Supply

CIRCULATE TO:
SERVICE MANAGER
PARTS MANAGER
MECHANICS

A. TRANSMISSION OIL COOLER HOSE - MCM 330 TR and TRS ENGINES

The transmission oil cooler hose on the above model engines has been left disconnected from the transmission at MerCruiser. This is done after the engine is tested to drain all water from the oil cooler to prevent damage from freezing. **Hose Must Be Reconnected BEFORE Engine Is Run.** If, after test running, the engine will be subjected to freezing temperatures, drain water from the transmission oil cooler. See "Operation and Maintenance Manual" for "Winter Storage" Instructions.



a - Disconnected Hose

Figure 1. Transmission Oil Cooler Hoses

(OVER)

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B. MERCUISER SERVICE REPLACEMENT "SHORT BLOCK" ENGINES - ALL MODELS

In the past "short block" replacement engines were shipped with oil in the crankcase. Certain modes of transportation require that all liquids and hazardous materials be drained before shipment. To comply with this regulation, all future "short block" replacement engines WILL NOT have oil in the crankcase. A tag (Figure 2) will be attached to the engine.

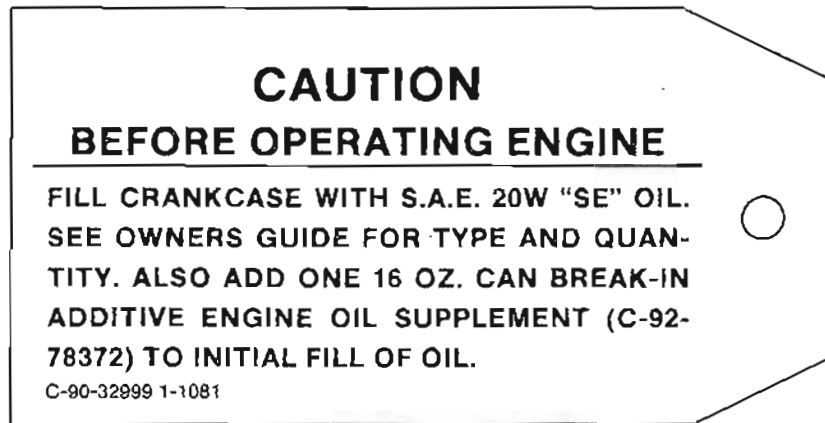


Figure 2. Tag on Replacement "Short Block" Engines

C. NEW CAMSHAFT IN MCM 485, SERIAL NO. 5890139 and ABOVE

A new Camshaft (466-8330) is being installed in the above model engines. This camshaft can be identified by orange paint near the driving gear for the distributor. This camshaft may be used in earlier MCM 485 engines also.

D. D. C. VARIABLE VOLTAGE SUPPLY

In MerCruiser Service Bulletin 80-12 a D. C. Variable Voltage Supply is used to test the MCM 470 Type alternator system. This instrument should have a continuous variable voltage from 0 to 24 VDC. One possible source for this instrument is Radio Shack. Their instrument sells for approximately \$40.00.