

# Installation & Service Bulletin

January 9, 1983



## Velvet Drive®

MB51

### SUBJECT: Breather Leaks

Part number 10-17-410-001 has been assigned to a new kit which, when installed, reduces breather leakage. This kit should only be used on 10-04, 10-05, 10-13, 10-14, 10-17 and 10-18 Velvet Drive assemblies. Instructions and all necessary parts are supplied in each kit.

The following procedure is used to install the kit. Check and adjust the oil level to the full mark on the dipstick. The original dipstick and filler tube must be removed to install the new components. Remove the breather cap, spring, and disc from breather body. Screw the new pipe nipple and coupling into the threaded fill tube opening of the case. Assemble hose clamps over end of the hose as the hose is connected to the body of the breather and to the hose fitting in the pipe nipple. See illustration. Use a chisel or small file to make a full oil level mark on the new dipstick.

Use the kits when breather leaks cannot be corrected by other methods. Problems which have been known to cause breather leaks are listed below.

1. High oil level
2. Low oil level
3. Restricted cooler circuit
  - A. Hose too small--use 1/2 inch I.D. hose for high speed engines.
  - B. Passage through hose fitting too small.
  - C. Cooler restricted.
  - D. Kinked hose.
4. Internal leakage
5. Cooler not properly connected in circuit
6. Transmission being operated in reverse when boat moves forward
7. Damaged breather
8. Air leak in pump suction circuit

(SEE ILLUSTRATION ON REVERSE SIDE)



**Warner Gear**

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MARINE BREATHER LEAK FIX

DIPSTICK & TUBE SUBASSEMBLY

KIT PART #1017-410-001

