



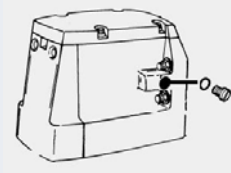
Tech Bulletin

Changing lube on Bravo drives

#2010-008



Lower drain plug
Bravo I & II



Upper vent plug
Bravo I & II



9-81002
Drive lube pump



Mallory Marine ®
9-81100
Oil Zap

Dear Mallory Marine Customer,

We are often asked how to change gear lube on Bravo drives.

The following tools will be needed:

Oil drain pan

Large regular screwdriver

9-82501 - 3 to 4 quarts of Mallory Marine High-Performance gear lube

9-81002 – Mallory Marine drive lube pump

9-60101 – 2 Mallory Marine Drain plug gaskets

9-81100 - Mallory Marine Oil Zap

Installation Steps:

- Place the oil drain pan below the drive
- Lower the drive to the down position
- Remove the propeller on Bravo I & II units
- Remove the drain plug, situated below the propeller shaft on Bravo I & II units. On Bravo III units, it is located up on the nose cone. Make sure to look for any telltale signs of water at this time (milky lube appearance), as water will settle to the bottom of the drive unit.
- The gear lube will drain very slowly. Remove the side vent plug on the side of the upper housing. This will allow the lube to drain more quickly
- Let the gear lube drain completely
- A milky lube appearance is a sign that water may be present and additional service may be required. See Mallory Marine catalog for additional service parts
- Place the Oil Zap pad 9-81100 below the drive. Attach the Mallory lube pump 9-81002 onto the gear lube bottle. Thread the fitting on your lube pump into the lower drain plug hole and slowly pump the lube into the housing. Keep pumping until lube comes out of the top vent hole in the upper housing. The drive will hold approximately 3 quarts of lube
- Reinstall the top drain plug and new gasket with the lube pump still in place. This helps prevent lube from coming out of the lower drain hole
- Remove the lube pump hose, reinstall the lower drain plug with a new gasket. Reinstall the propeller. Clean up, discarding the Oil Zap pad