

A. DESCRIPTION:

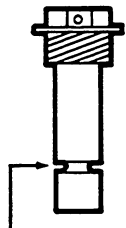
The Hurth transmission housing is made of a high strength aluminum alloy that is resistant to sea water. The transmission is equipped with shaved and case hardened helical gears and with shafts mounted in heavy-duty roller bearings. Forward and reverse is accomplished by a mechanical friction clutch.

Gear shifting is mechanical and requires only a minimum effort on the gear lever. Precision setting or readjustment of the shifting control (Morse or Teleflex) is not required.

The transmission is designed to permit reversing at full engine speed. **TO BE USED ONLY IN THE EVENT OF AN EMERGENCY!**

B. SERVICING:

The transmission is filled with Type AFT or DEXRON II transmission fluid at the factory during the engine load test.



Recheck and fill the gear box with the prescribed oil up to the **FULL INDENTED RING MARK ON THE DIPSTICK** (approximately 1/4" up from bottom of stick). Do not overfill.

When checking the oil level, **DIPSTICK TO BE INSERTED ONLY - DO NOT SCREW IN.**

Tighten the dipstick after adding oil or checking the oil level.

FULL 1. Placing in service after storage.

If the transmission was completely filled with oil for storage and preservation, make sure to drain the excess oil to the proper level. Use new oil if necessary.

2. Oil quantity.

Approximately

Transmission Fluid	Quantity
HBW 50	0.29 Quarts (0.30 Liters)
HBW 100	0.33 Quarts (0.35 Liters)
HBW 150	0.59 Quarts (0.56 Liters)
HBW 150V	1.10 Quarts (1.05 Liters)

3. Oil grade.

Automatic Transmission Fluid, "AFT Type A oil only" according to specification DEXRON II (General Motors) and M2 C33 G (Ford).

ALWAYS USE THE SAME GRADE AND TYPE OF OIL WHEN ADDING OR CHANGING OIL.

WARNING: ADDITIVES SUCH AS MOYBDENUM SULPHITE OR THE LIKE MUST NOT BE CONTAINED IN THE OIL UNDER ANY CIRCUMSTANCES.

C. MAINTENANCE:

1. Oil level in the transmission should be checked weekly.
Oil level: See Servicing.

2. Changing oil.

Change oil after first 25 hours of operation. Then change every 300 hours of operation, or at least at intervals of once a year or season.

3. Placing transmission in storage.

If the transmission is put out of operation for long periods of time under unfavorable environmental conditions, it should be protected against corrosion by filling it completely with oil of the same, grade and type. Otherwise, it should be operated briefly, with a good oxidation inhibiting oil to allow the agent to contact all parts of the gearbox.