

**ENGINE—3.8L—OIL PUMP LIQUID INJECTION SEAL (LIS) GASKET SERVICE PROCEDURE—MUSTANG VEHICLES EQUIPPED WITH 3.8L ENGINE—VEHICLES PRODUCED 11/27/2000 THROUGH 6/30/2001—SERVICE TIPS**

**Article No.  
01-4-8**

**FORD:** 2001 MUSTANG

This article is being republished in its entirety to update the model year coverage.

**ISSUE**

Some 2001 Model Year 3.8L Mustang engines may have oil pumps built with a new sealing process called Liquid Injection Sealing (LIS). An LIS service procedure is not yet available to the field.

**ACTION**

If service to an oil pump is required on a vehicle equipped with an LIS oil pump, service with the existing service oil pump and seals listed for these engines in the current Parts Catalog. Refer to the following Service Procedure for details.

**SERVICE PROCEDURE**

**PUMP IDENTIFICATION**

The new LIS oil pumps are identified with a blue paint stripe along the right edge (as viewed from above), a casting part number embossed on the opposite side from the blue paint stripe and a Manufacturing Control stamp number on the pad above the oil filter location (Figures 1 and 2).

1. If the oil pump needs to be serviced for any reason, remove the pump as outlined in the 2001 Mustang Workshop Manual.
2. Identify if it is a new LIS oil pump. If it is, replace the pump with the recommended service oil pump and O-ring seal. Do not attempt to repair the oil pump.
3. Return the LIS oil pump and all of the gasket material that may have adhered to the front cover (scrape off all of the gasket material), place it in a plastic bag, and seal the bag.

**NOTE**

**RETURN ALL LIS OIL PUMPS, O-RING SEALS (IF POSSIBLE KEEP THE SEAL IN THE OIL PUMP GROOVE), AND GASKET MATERIAL WITH THE INFORMATION LISTED BELOW TO FORD MOTOR COMPANY.**

- Vehicle Identification Number (VIN)
- Copy of the completed work order and/or repair order
- Odometer reading at time of repair
- Determine if the oil pump was the causal part in the repair
- Determine if an oil leak was the causal condition

**SEND TO:**

Ford Motor Company

Advanced Manufacturing Technology Division

24500 Glendale Ave.

Redford, MI 48239

Attn. Liquid Injection Sealing Dept.

**OTHER APPLICABLE ARTICLES:** NONE

**SUPERSEDES:** 00-26-6

**WARRANTY STATUS:** INFORMATION ONLY

**OASIS CODES:** 401000, 402000, 499000

**Article No. 01-4-8 Cont'd.**

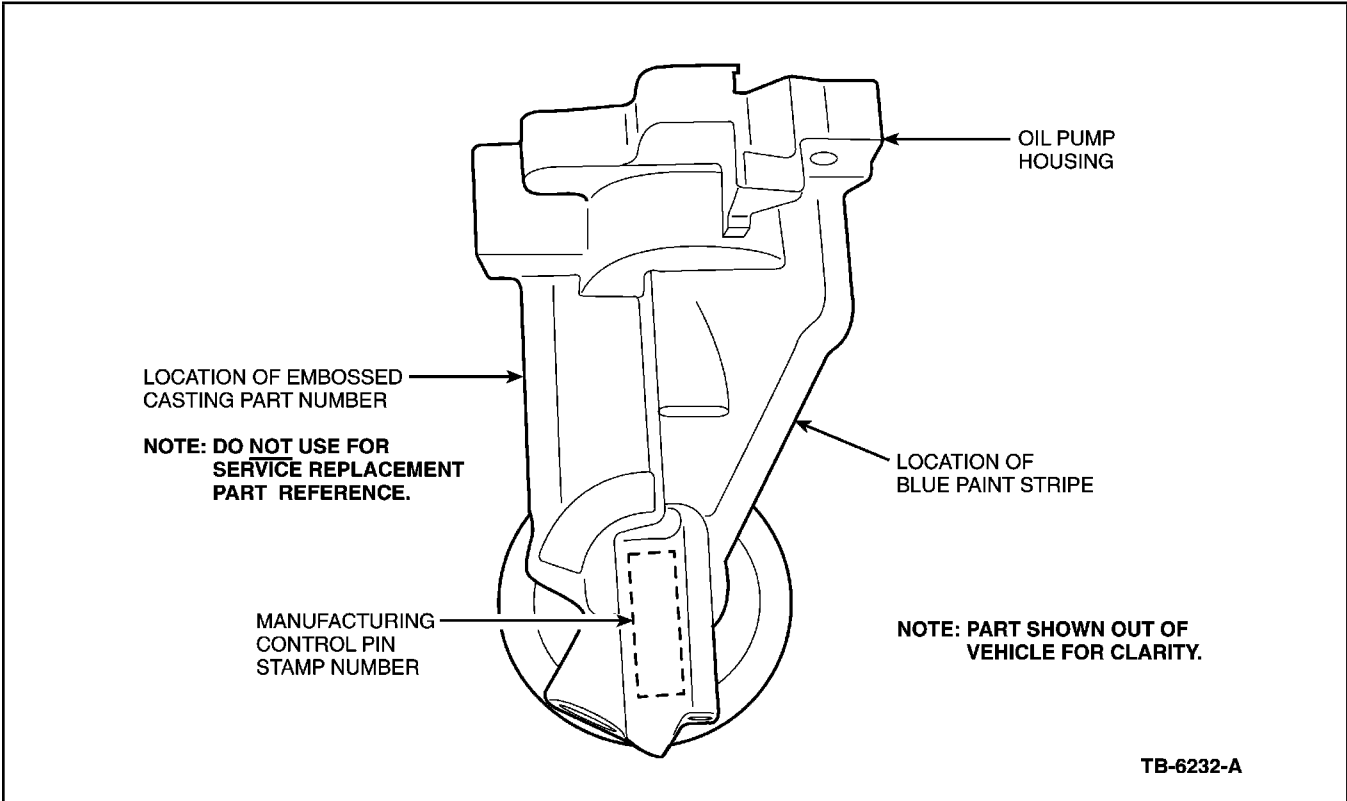


Figure 1 - Article 01-4-8

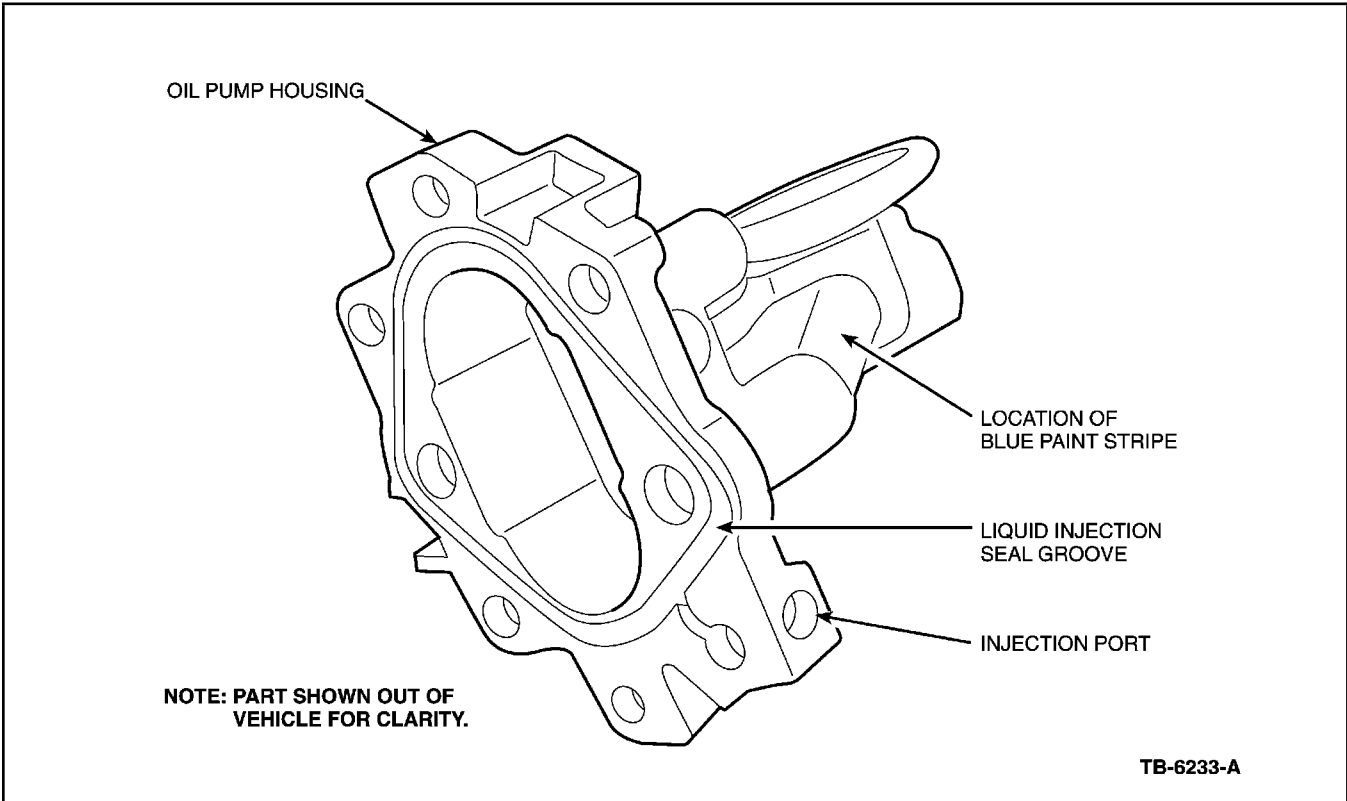


Figure 2 - Article 01-4-8