SUBJECT: PRIMING THE ENGINE LUBRICATION SYSTEM

ADDITIONS, REVISIONS, OR UPDATES

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<td>New information details the connection of a priming tool in areas where the chassis limits access.</td>
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NOTE: Page numbers are based on the most recent version of the individual publication and may be adjusted throughout the annual print cycle.
PRIMING THE ENGINE LUBRICATION SYSTEM

Prime the oil system as follows:

1. Using a 17 mm Allen tool, remove the Allen head plug from the oil priming port on the oil coolant module.

2. If equipped with an oil sample valve, remove the valve and washer.

3. Install Oil System Priming Adaptor tool (J–49181) into the oil priming port (1) in the oil coolant module.

NOTE:
Tool J–49181 is used to adapt the J–45299 priming pump.
4. Install Engine Preluber Kit (J–45299) to the fitting adaptor (1).

**NOTICE:**

If chassis application prevents access, a 90-degree or a 45-degree pipe fitting (1/4" NPT) can be used (if needed) for access.

5. Fill the canister with eight quarts of oil.
6. Open the valve on the primer and start pumping until the container is empty.
7. Fill the container with an additional eight quarts of oil and pump until the canister is empty.
8. The oil system is now primed with sixteen quarts of oil. Pour the remaining oil into the oil filler until the correct full level is obtained. Refer to section for quantities.
9. Close the valve and loosen the fitting; do not completely remove it from the adaptor.
10. Remove the priming adaptor (1) from the oil coolant module (2) with the line attached to keep the oil from flowing out of the module.
11. Install the Allen head plug or oil sample valve to the module and torque to 70-80 N·m (51-59 lb·ft).

WARNING:
ENGINE EXHAUST
To avoid injury from inhaling engine exhaust, always operate the engine in a well-ventilated area. Engine exhaust is toxic.

12. Start the engine and monitor the oil pressure.

13. After the engine oil pressure stabilizes, shut the engine down and check the oil per the oil check guidelines.
ADDITIONAL SERVICE INFORMATION

Additional service information is available in *Power Service Literature*.