

Section 03 ENGINE

Subsection 08 (LUBRICATION SYSTEM)

Bring engine to its normal operating temperature.

CAUTION: Never run engine without supplying water to the exhaust system when watercraft is out of water.

CAUTION: Failure to cool exhaust system, when engine is out of water, may severely damage exhaust system.

⚠ WARNING

Engine oil may be hot. Certain components in the engine compartment may be very hot. Direct contact may result in skin burn.

CAUTION: Never run engine longer than 5 minutes. Drive line seal has no cooling when watercraft is out of water.

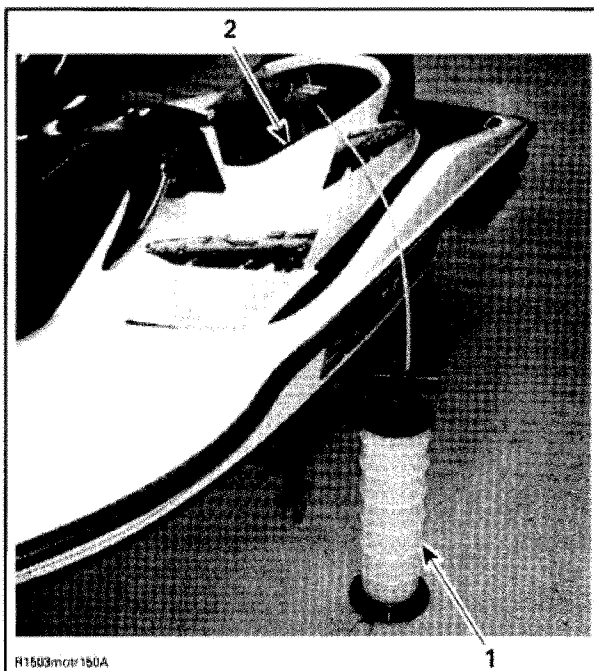
Run engine for 10 seconds at 4000 RPM and shut it off at this RPM. This will move oil from PTO housing to oil tank to allow maximum oil draining.

Remove oil filler cap and dipstick.

Using the suction pump (P/N 529 035 880), siphon oil through dipstick hole.

CAUTION: Never crank or start engine when siphon tube is in dipstick hole. Never start engine when there is no oil in engine.

NOTE: So that siphon tube is located at the proper height to siphon oil, it is suggested to put some electrical tape on siphon tube at 475 mm (18.7 in) from its end. Then, insert siphon tube until you reach the tape.



1. Suction pump
2. Siphon tube in dipstick hole

Pull siphon tube out of dipstick hole then crank engine (do not start) while in engine down mode (fully depress throttle lever and HOLD, then crank engine).

Crank engine for 10 seconds. Siphon oil again. Repeat the crank-siphon cycle 2 - 3 times.

Oil Filling

Refill engine with oil meeting the specific requirements of the engine. Refer to *TECHNICAL SPECIFICATIONS*. Reinstall oil filler cap and dipstick.

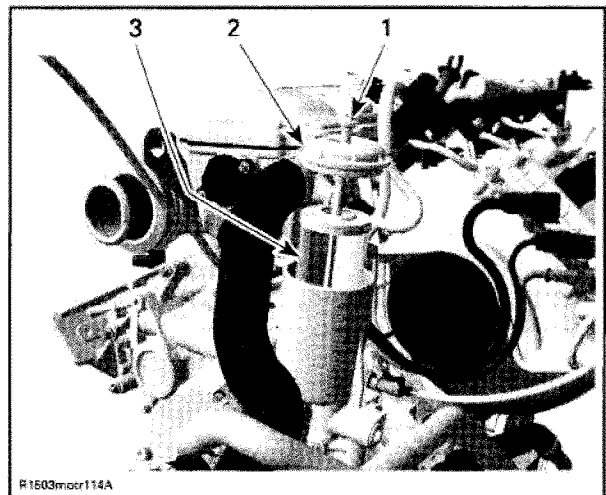
OIL FILTER

Removal

Remove:

- oil filter screw
- oil filter cover
- oil filter.

NOTE: If the oil filter cover is hard to remove, use the oil filter cover separator (P/N 529 036 038) and the oil filter cover puller (P/N 529 036 057).



TYPICAL
1. Oil filter screw
2. Oil filter cover
3. Oil filter

Place rags in filler area to prevent spillage. If spillage occurs, clean immediately with the pulley flange cleaner (P/N 413 711 809) to prevent stains.

⚠ WARNING

Wear safety glasses and work in a well ventilated area when working with strong chemical products. Also wear suitable non-absorbent gloves to protect your hands.