TRANSMISSION OIL (HYDRAULIC OIL) REPLACE

FIG. 3: To replace transmission oil, remove drain plug (3) and completely drain oil from system.

Apply sealant to threads on drain plug and reinstall.

IMPORTANT: Completely lower three-point hitch prior to draining transmission oil.

Add oil through filler opening until oil level is between the upper and lower marks on dipstick.

Start tractor and allow to idle several minutes while operating hydraulic controls. Shut engine off, lower the three-point hitch and recheck oil level. Replenish transmission oil as necessary. Check for leaks and correct as necessary.

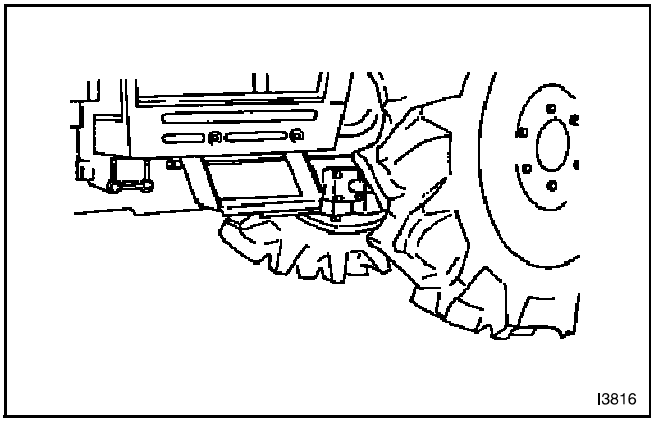

FIG. 3

TRANSMISSION CARTRIDGE FILTER (INCLUDES OIL CHANGE)

Removal and Installation

FIG. 4: Always replace hydraulic oil filter while oil is removed. Carefully unscrew oil filter (4) from its adapter. Use of a filter wrench may be necessary.

Clean filter adapter and lubricate gasket on replacement filter with clean hydraulic oil. Install new filter until gasket contacts adapter and tighten additional 2/3 turn, by hand. Do not use filter wrench to install filter. Replace transmission oil.

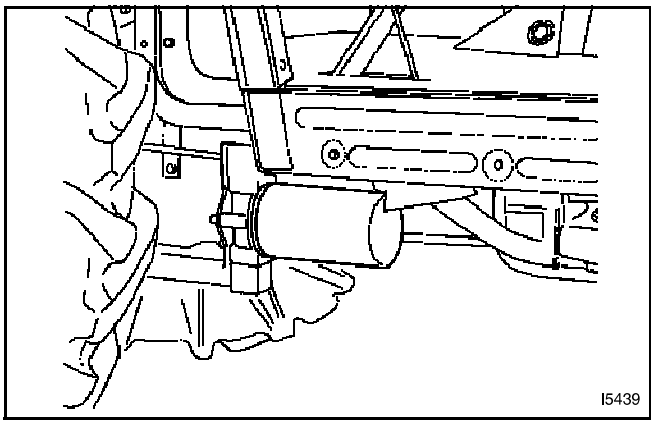

FIG. 4

Bleeding Air

FIG. 5: Air can be bled from the hydraulic system by starting the engine and loosening the bleeder screw (1) above the main hydraulic pump. Tighten screw after air bubbles disappear.

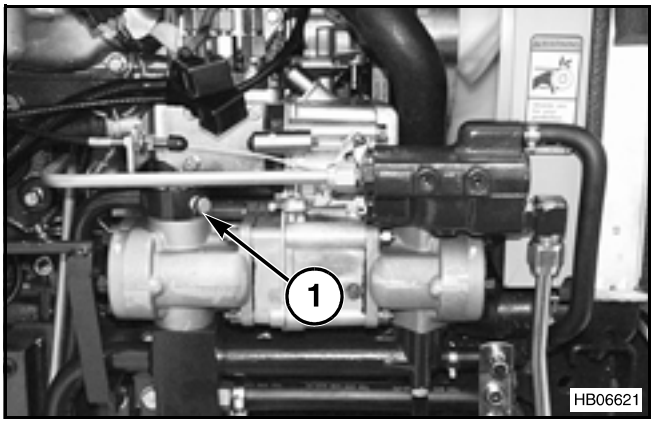

FIG. 5

HYDRAULIC PUMP

General

The hydraulic system receives its oil supply from the transmission and rear axle.

Two engine driven hydraulic gear pumps supplies oil for the system.

FIG. 6: The tractor is equipped with two hydraulic pumps. The front pump (1) supplies oil to the power steering orbit roll and the PTO clutch pack. The rear pump (2) supplies oil to the three-point control valve and auxiliary hydraulics (if equipped). Both pumps are identical in construction, except the rear pump has longer gears resulting in larger displacement.

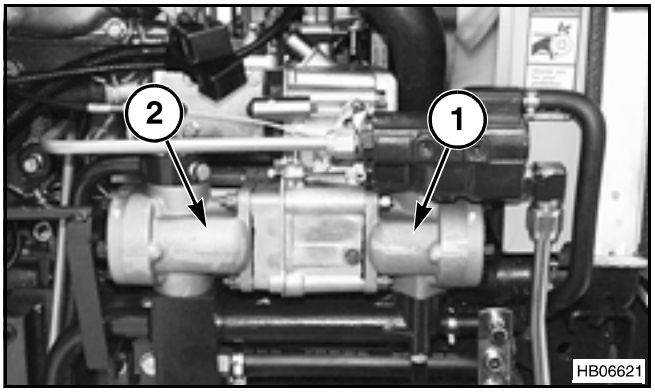

FIG. 6