

SPECIAL EQUIPMENT

Fluid Level

When the Touch-Control system is filled to the proper level with IH Touch-Control fluid, it should not require servicing, unless for some reason the system has been disturbed.

The correct fluid level is to the bottom of the filler opening. If it is necessary to add fluid, use IH Touch-Control fluid. It is essential that the fluid be absolutely clean and free from water and all foreign matter when placed in the system. Cloudiness may indicate the presence of moisture.

If the Touch-Control system should fail to operate in a satisfactory manner or if there are any noticeable leaks in the system, check the fluid level in the reservoir or see your International Harvester dealer.

Never operate the tractor without having sufficient fluid in the reservoir. Insufficient fluid may cause damage to the Touch-Control system.

Before removing the filler plug (*Illust. 67B*) for inspection, thoroughly clean the plug and surrounding area of all dirt and grit.

Draining and Filling the Reservoir

When it is necessary to drain and refill the reservoir for any reason, proceed as follows:

1. Wipe off all dirt and grit from the reservoir and filler plug.

2. Remove the filler plug (*Illust. 67B*) and the drain plug (*Illust. 69*) and place them in a clean container.

When the fluid has stopped draining, run the engine very briefly to drain the fluid from the pump and connecting pipes.

The refill capacity of the Touch-Control system when drained as instructed above is $3\frac{1}{2}$ pints.

Note: If it is necessary to flush the system, use IH Touch-Control fluid so that the necessary lubrication of the pump and control system is maintained without adulteration. Never use kerosene or any other oil.

3. After the system has drained completely, replace the drain plug and fill the reservoir to the filler opening with IH Touch-Control fluid.

4. Start the tractor engine and operate it at a moderate idle speed. With the filler plug removed, move the Touch-Control lever back and forth 10 to 12 times through its full range of travel. This quickly frees the system of trapped air. Then place the control lever in the rearward position (toward tractor seat) and stop the engine.

5. Add sufficient clean fluid to the reservoir to bring the fluid level to the bottom of the filler opening. Replace and tighten the filler plug.

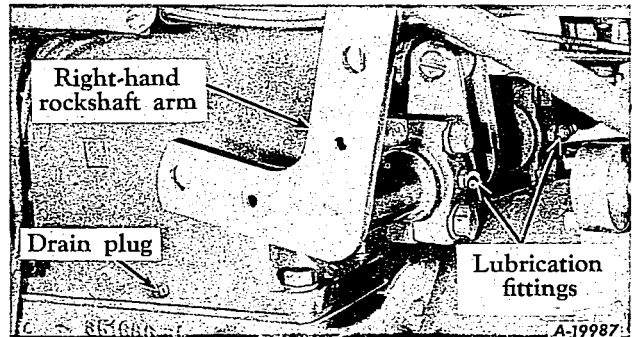
The refill capacity for the Touch-Control system when drained as instructed in paragraph 2 is $3\frac{1}{2}$ pints.

The capacity of a completely dry unit (when a new or rebuilt unit is installed) is $4\frac{1}{4}$ pints.

Lubrication

Daily or after every 10 hours of operation, lubricate the rockshaft arm and bearings through lubricator fittings. See *Illust. 69*. Use pressure-gun grease (chassis lubricant) and apply 2 or 3 strokes of lubricator, or sufficient grease to flush out the old grease and dirt.

Note: Always keep the Touch-Control lever in the rearward position (toward tractor seat) when the tractor or the Touch-Control system is not being actively used. This places the piston in the retracted position, preventing exposure to any moisture which may have condensed in the leather dust boot.



Illust. 69

Showing lubrication points.

Air in the System

Make certain that all connections and openings are well sealed. The entire system must be kept tightly sealed at all times, not only to prevent loss of fluid but also to avoid entrance of air in the inlet end of the system. Air entering the system interferes with proper lubrication of moving parts. It causes an increased amount of vibration and an unsteady pressure. Presence of air in the system will be noticed by a noise in the pump or by the pump laboring when operating under high pressure. Proper filling of the reservoir and working the system during the filling process, as previously described, will work the air out of the system.