



INSTRUCTION BULLETIN

No. 2837
Machines: 255, 275,
275SE, 527, 527 II
Published: 2-85

Installation Instructions for Solenoid Valve Seal Kits:

Seal Kit 02606	for Valve 82754	on Models 255, 275, 275SE
Seal Kit 57366	for Valve 57031	on Model 527 II
Seal Kit 57366	for Valve 64819-1	on Model 527

These kits contain o-rings and backup rings for the above valves. You will not use all of the parts in Kit 02606. Please follow the step-by-step directions.

HYDRAULIC PRINCIPLES:

- * Cleanliness is extremely important when working on hydraulic components. Work in a clean, draftfree area. Dirt or foreign material in the hydraulic system can impair operation and damage equipment.
- * Before disconnecting the solenoid, thoroughly clean the outside area to help prevent dirt entry into the hydraulic system.
- * Mark hoses and ports for later correct reassembly. Immediately cap disconnected hoses.
- * Discard any hydraulic fluid drained from the system. Use only new, approved fluid to replenish the hydraulic reservoir.

PROCEDURE:

1. Park the machine on a level surface. Turn off the engine and set the parking brake.

CAUTION: Always turn off the engine and set the parking brake when working on the machine.

2. For ease in handling, remove the screws holding the solenoid to its mounting plate. Unplug the electrical connection.
3. Note arrangement of hoses and ports before disconnecting hydraulic lines. Cap hoses immediately.
4. Remove valve from machine.
5. Release valve cartridge from its housing by first removing the top nut and coil, then unscrewing the cartridge. (See Fig. 1 for the 527 and 527 II; Fig. 2 for the 255, 275, and 275SE.

NOTE: For the 255, 275, and 275SE, Do not touch the nut on top of the relief valve. This will change the pressure setting and will require recalibration or replacement.

6. When disassembling the valve, keep the parts in sequence. Remove and discard old o-rings.

NOTE: Pay particular attention to the position of o-rings and backup washers.
The valve must be reassembled exactly as it was taken apart.

7. Wash parts in solvent. Dry with filtered air.
8. Dip o-rings in new hydraulic fluid before installing on cartridge. Take care not to cut o-rings.
9. Reassemble the valve.
 - a. Tighten the cartridge into the body at 10 to 20 ft. lbs.
 - b. Apply Loctite 242 to the coil hex nut and tighten 5 to 10 inch pounds.
(This is virtually hand tightening.)

NOTE: Overtightening can destroy the coil.

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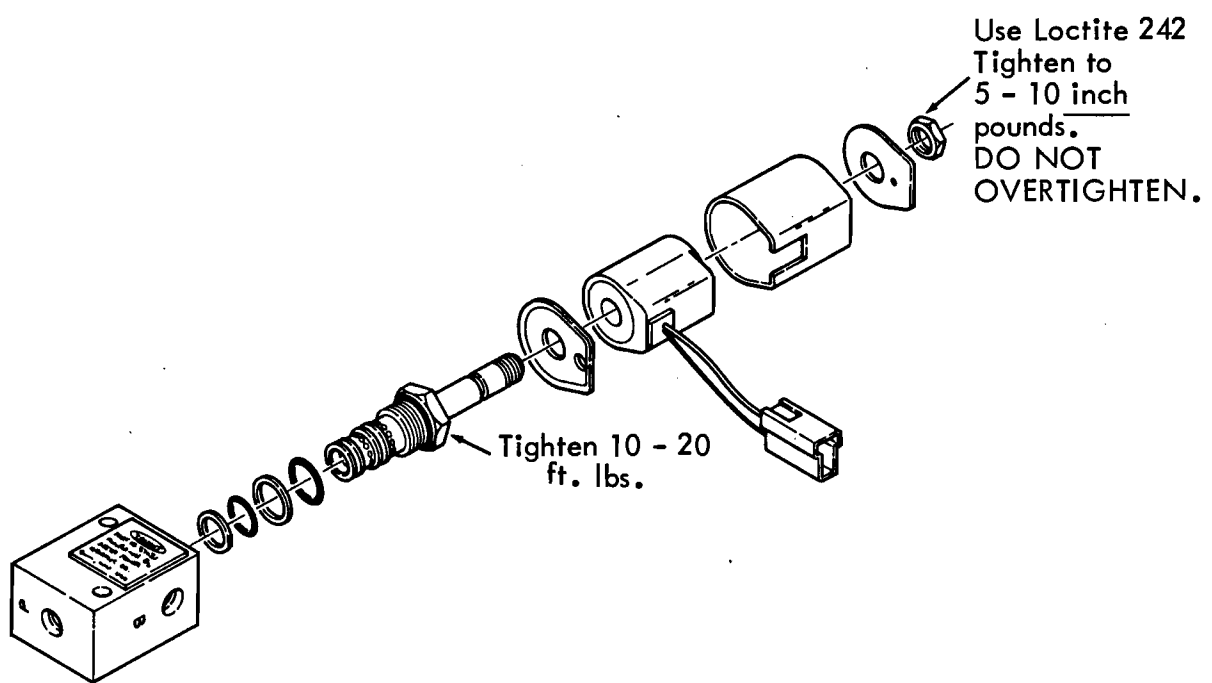


Fig. 1 - VALVES 64819-1 & 57031

(Models 527 & 527 II)

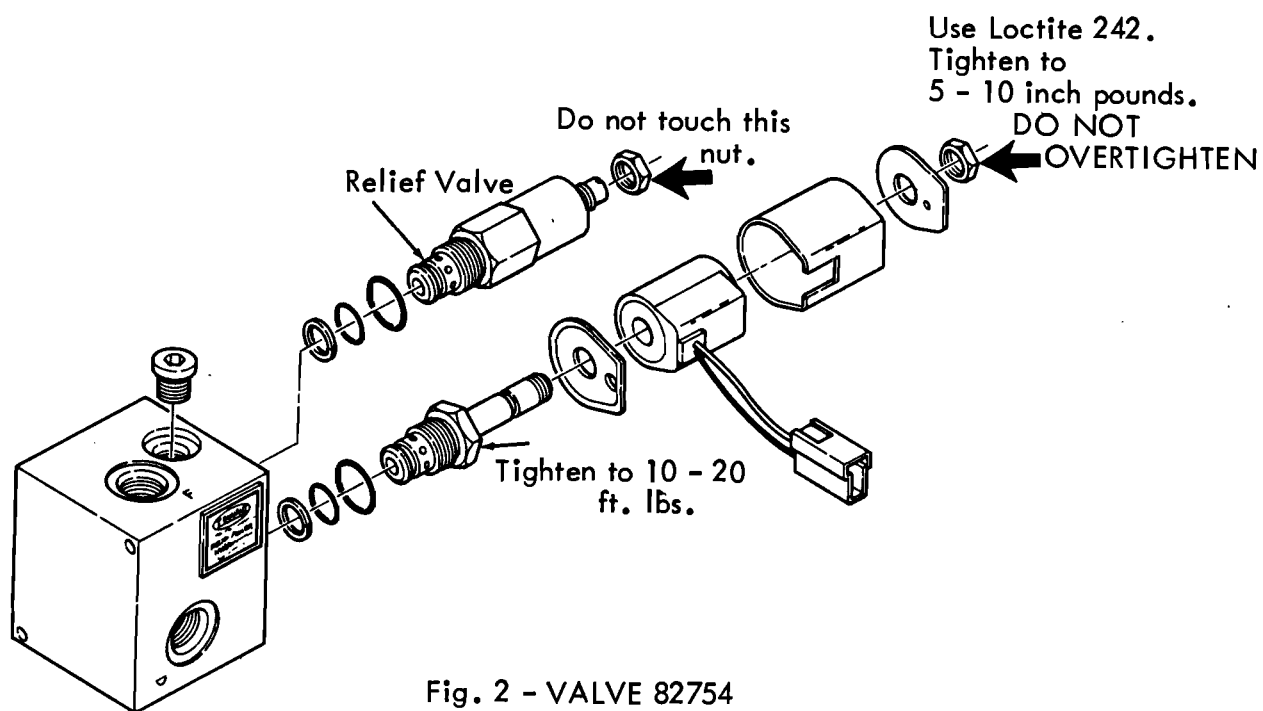


Fig. 2 - VALVE 82754

(Models 255, 275, & 275SE)