

# How to change your Hydraulic fluid on your Snow Plow

- What you will need:**
- 2 Quarts Hydraulic Oil  
(We recommend Maxim 410400 Oil as it is good to -50 degrees)
  - Proper Allen keys/Socket to remove oil plug (sizes vary)
  - Oil Pan Container
  - Shop Towels
  - Small Funnel
- Optional Items:** Replacement O-Rings and Filters (parts will vary per plow)

Directions:

## LIFT CYLINDER & RESERVOIR:

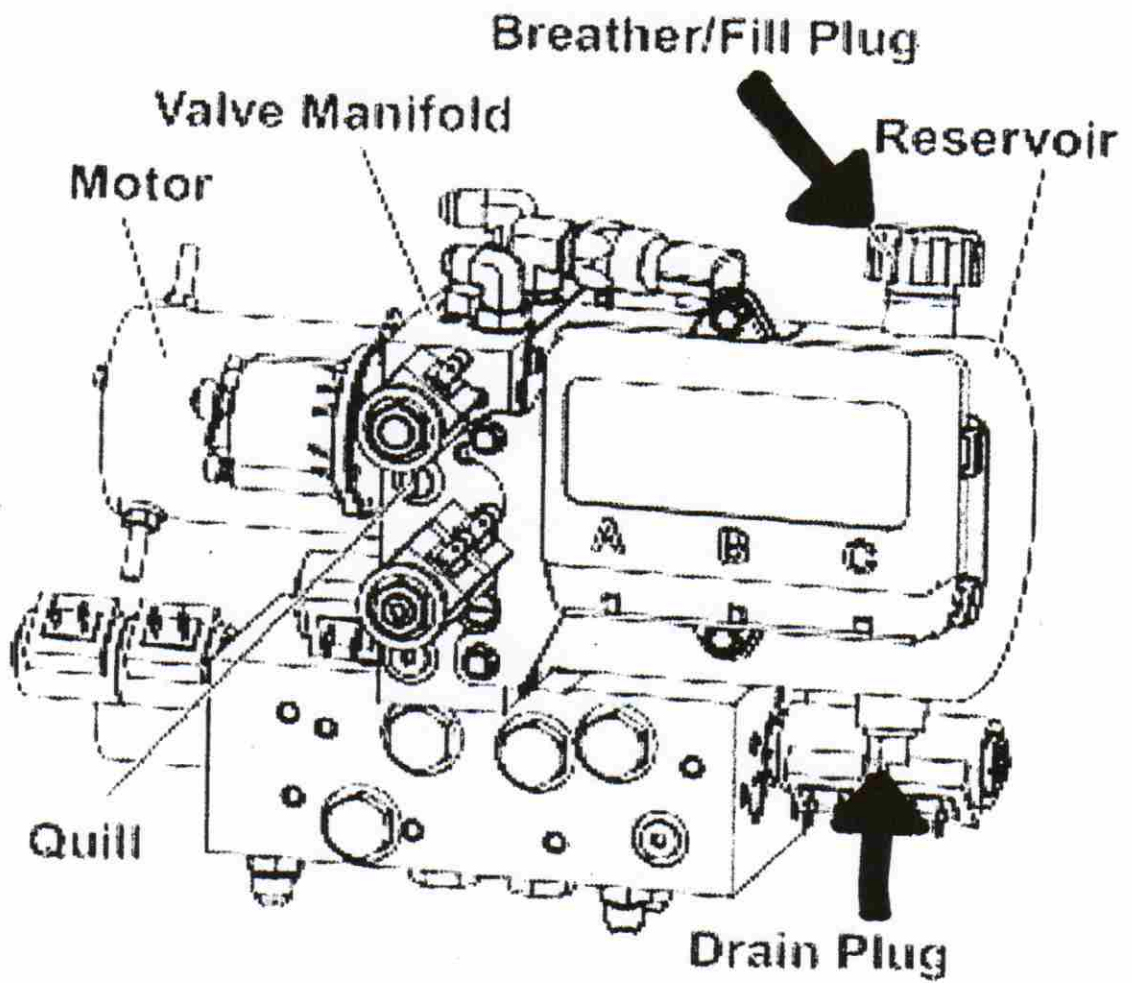
- A. Place plow into float mode
- B. Push down top of lift cylinder until fully collapsed.
- C. Place oil pan under drain plug to catch oil coming out of reservoir.
- D. Remove top fill plug with A
- E. Remove bottom drain plug with appropriate tool.
- F. Let oil drain.
- G. After oil is drained replace bottom drain plug
- H. Wipe area clean remove oil pan

## ANGLE CYLINDERS:

- I. Prop the A Frame off the ground.
- J. Then drain cylinders by disconnecting both hoses at the pump.
- K. Put both hoses into a milk carton or similar container.
- L. "SLOWLY" move moldboard back and forth to drain oil into the Milk Carton.
- M. Fluid will shoot across shop if moving the Moldboard TOO FAST!
- N. It may take two or three full cycles to fully drain the cylinders.
  - **NOTE** - If you see an excessive amount of debris - you may want to replace the seals on the cylinders.
- O. Fill reservoir within a ½" of full. You can use a Dipstick or a small rod to measure.
- P. Usually - 1.5 to 2 quarts is what you will need.
- Q. Replace top fill plug.
- R. Test your snowplow- First go up a little at a time, then check fluid. Go down a little at a time, check fluid. Add more fluid after this as your system will be completely drained.
- S. No test plow left and right checking fluid again after each angle turn. Add more fluid if necessary.
- T. You're all set!

For visual assistance please see the attached photos for each brand.

# V-PLow



# STRAIGHT FLOW

