Form No. 3355–321 Rev A

Variable Orifice Kit

Sand/Infield Pro 3040 and 5040 Traction Unit

Part No. 112–1433

Installation Instructions

1. Position the machine on a level surface, lower the attachment, stop the engine, engage the parking brake, and remove key from ignition switch.
2. Place a drain pan under the rear lift cylinder.
3. Clean around the hydraulic fitting secured to the rod end of the lift cylinder (Fig. 1).
4. Disconnect the hydraulic hose from the fitting and remove the fitting from the cylinder (Fig. 1).

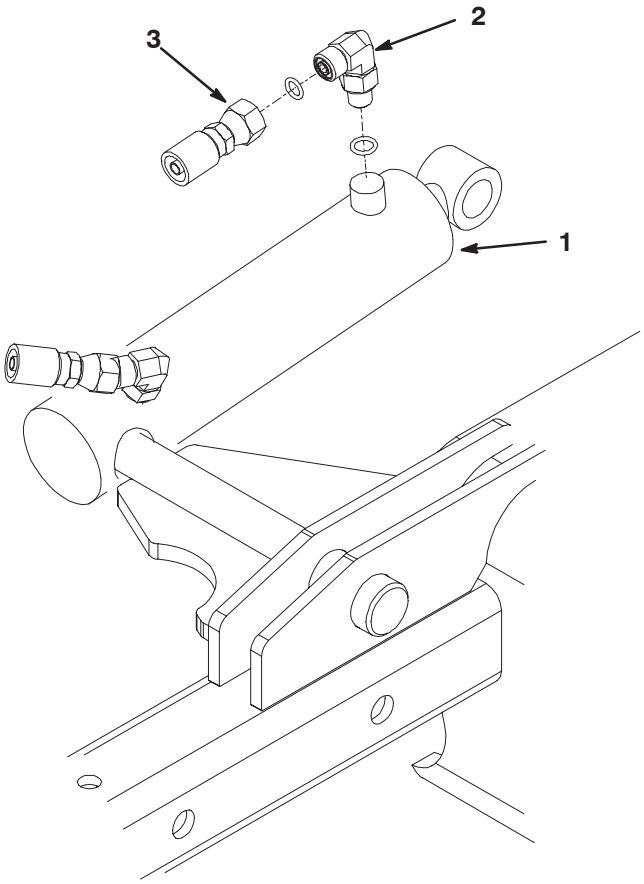


Figure 1

1. Lift cylinder
2. Fitting
3. Hydraulic hose

5. Loosely install the O–ring boss end of the swivel nut 90 degree fitting into the lift cylinder (Fig. 2). Do not tighten the jam nut at this time.

Note: Position the fitting as shown in figure 3.

6. Install the straight adapter fitting to the needle valve (Fig. 2).

Note: Make sure the O–rings are lubricated and in position before installing the components.

7. Install the 90 degree adapter fitting into the needle valve (Fig. 2).
8. Install the needle valve adapter fitting to the swivel nut 90 degree fitting on the lift cylinder (Fig. 2).
9. Connect the hydraulic hose to the 90 degree adapter fitting (Fig. 2).

Note: Before all the connections are tightened, make sure the orifice kit is not interfered with during the cylinder operation.

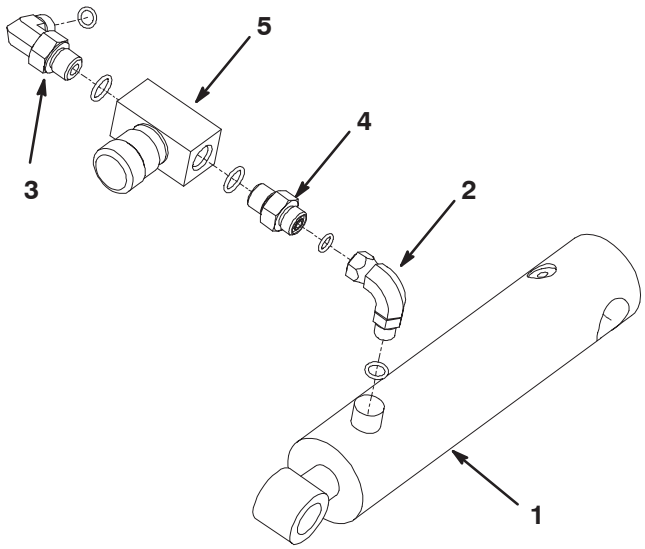


Figure 2

1. LIft cylinder
2. Swivel nut 90 degree fitting
3. 90 degree adapter fitting
4. Straight adapter fitting
5. Needle valve

10. Check the hydraulic fluid level and replenish as required. **Do not over-fill.** Refer to Operator's Manual for hydraulic fluid specifications.
11. Rotate the needle valve clock wise to decrease the rate at which the attachment is lowered. Rotate the valve counter–clockwise to increase the rate at which the attachment is lowered. The valve is infinitely adjustable.

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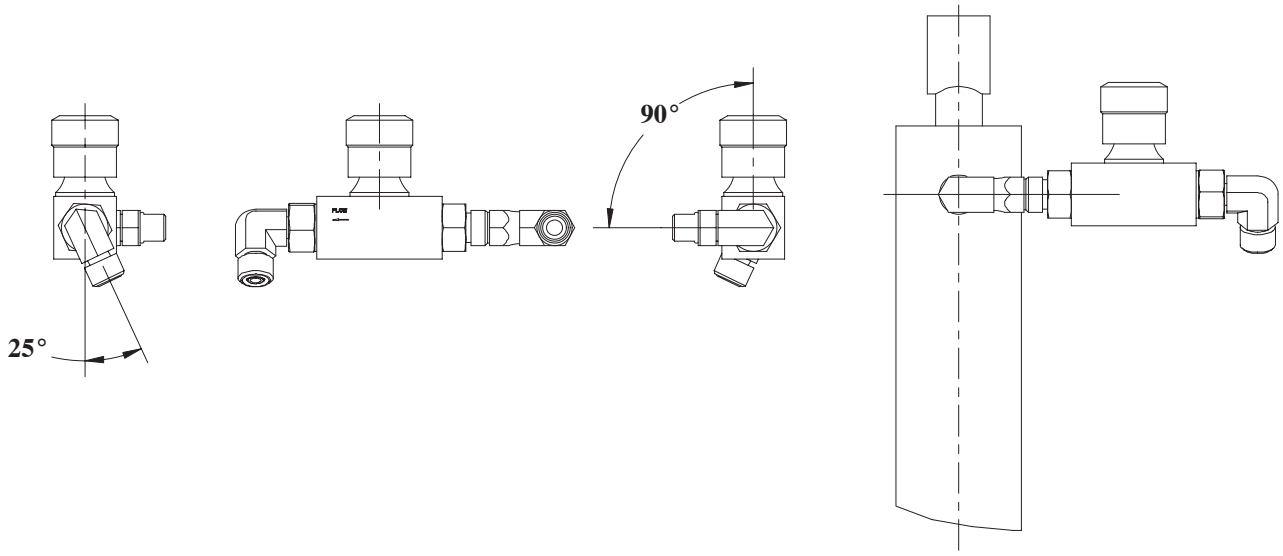


Figure 3