Field Plow

Maxi Sneaker™ 370 and Pro Sneak 365 Vibratory Plow

Model No. 25542E

Installation Instructions

Preparing the Machine

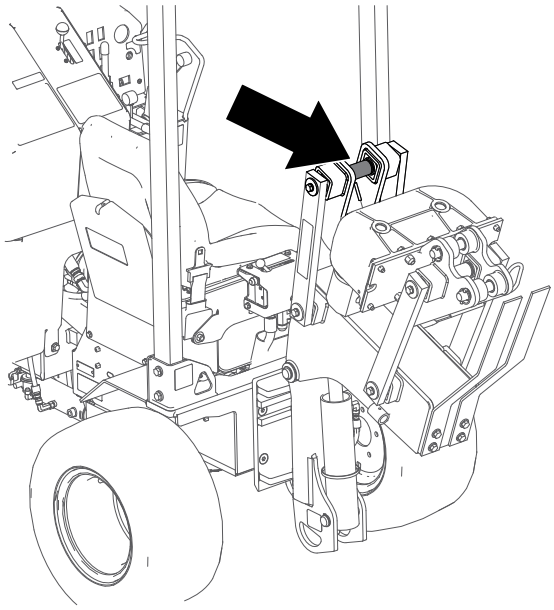
Wear personal protective equipment as specified in the machine's *Operator's Manual*.

Dispose of fluids according to your state and local regulations.

1. Park the machine on a level surface.
2. Raise the plow.
3. Shut off the engine and remove the key.
4. Block the tires.
5. Disconnect the battery.

Removing the Plow

1. Ensure that the machine has fully cooled.
2. With an overhead hoist or fork truck, support the plow assembly at the lift point.
3. Place an oil drain pan under the plow lift cylinder.



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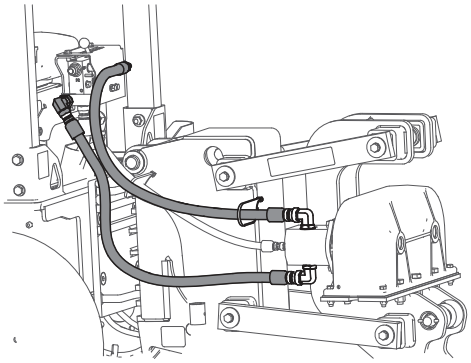
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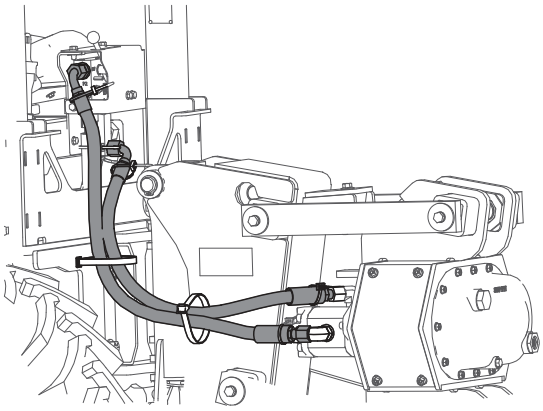
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4. Disconnect and plug the long hydraulic hoses from the plow gearbox control valve.

   Note: Ensure that the plow is fully supported by the overhead hoist or fork truck.

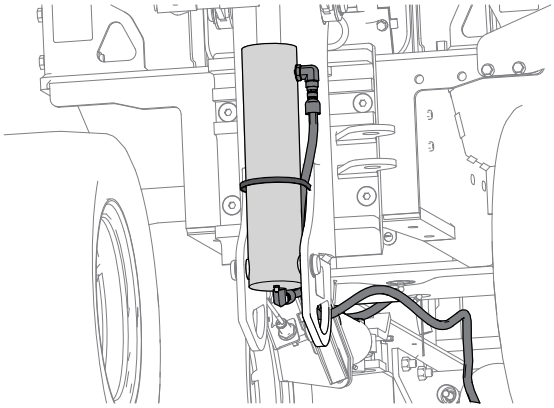
5. Actuate the plow lift control lever 2 or 3 times until the plow shows no movement to relieve any residual pressure in the lift cylinder.





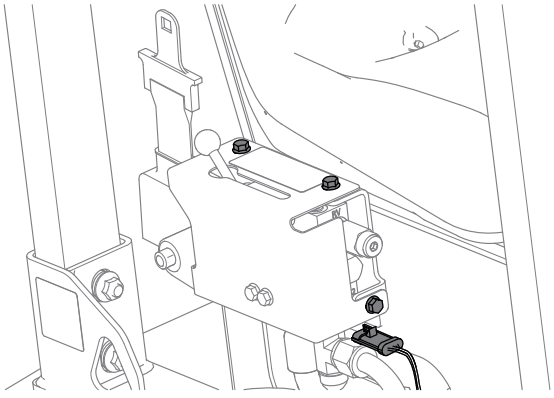
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6. Cut the cable tie on the upper hose. Remove both of the lift cylinder hoses. Cap off both the hoses and cylinder connection points.



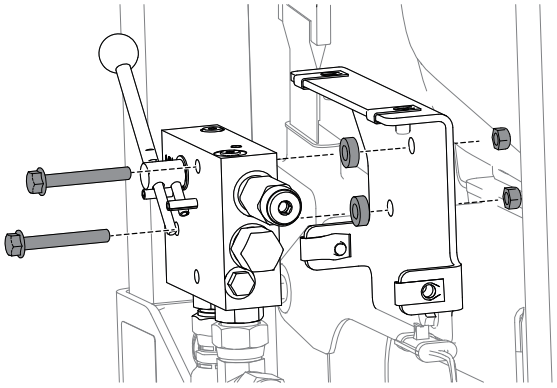
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7. Disconnect the neutral switch connector at the plow gearbox control valve.
8. Remove the bolts that mount the cover plate assembly to the plow valve plate.



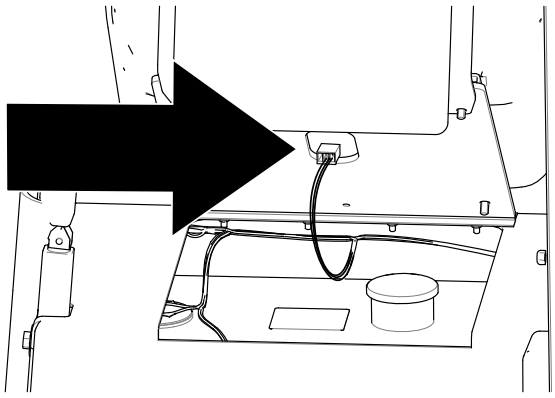
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9. Remove the bolts, nuts, and spacers mounting the plow control valve to the plow valve plate.



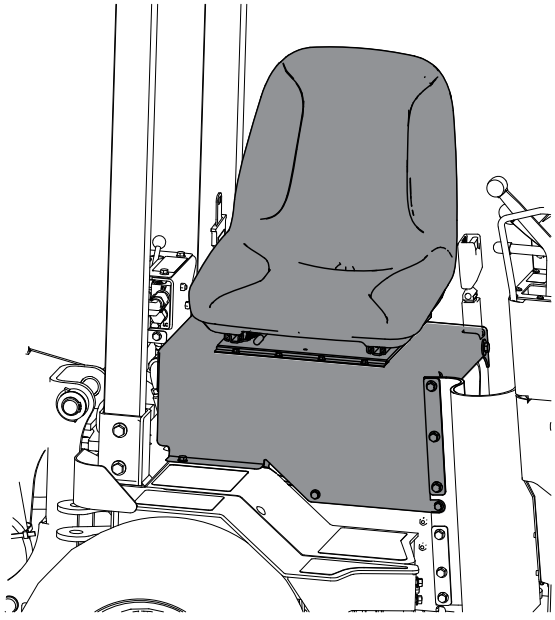
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10. Raise the seat and disconnect the seat switch harness from the seat switch.



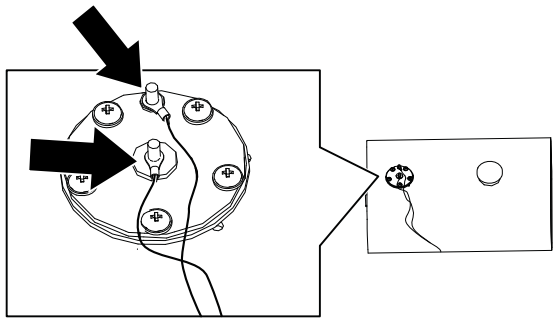
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11. Remove the seat and seat support assembly.



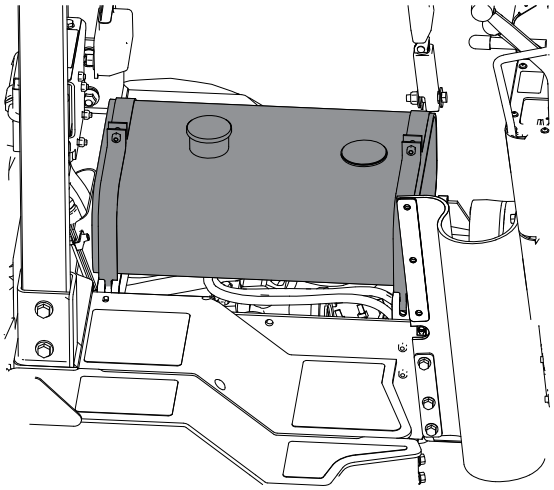
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12. Remove the fuel tank sensor signal wire and ground wire from the fuel tank sending unit.



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13. Remove the fuel tank strap bolts and locknuts from the fuel tank straps (4). Rotate tank straps 90 degrees and remove them from the slots in the tank support.

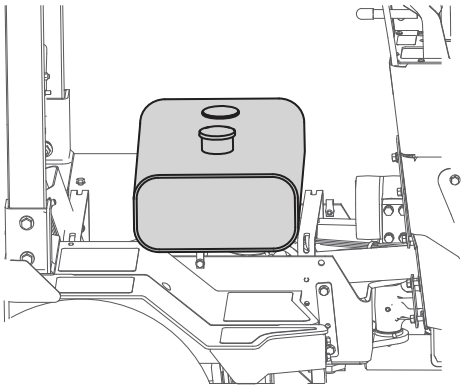


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14. Lift the fuel tank and rotate it 90 degrees to its mounting position.

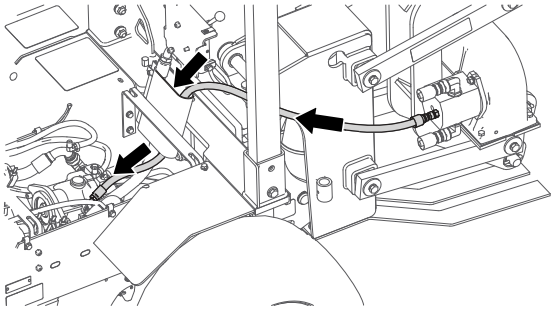
    Note: You do not have to drain the fuel tank for this procedure.

    Rotating the fuel tank will allow access to the mounting hardware for the plow.



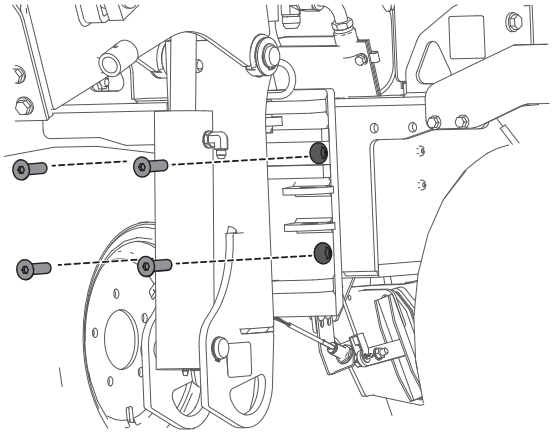
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15. Remove the case drain hose (Pro Sneak machines only).
    A. Pull the case drain hose from the plow, down through the hose sleeve, to the ground drive motor.
    B. Disconnect the hose from the ground drive motor and plug the port.



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16. Remove the recessed hex bolts and hex head flange nuts that attach the quick slide attach plate to the rear frame of the machine.
17. Move the plow attachment away from the rear of the tractor with the overhead hoist or fork truck.



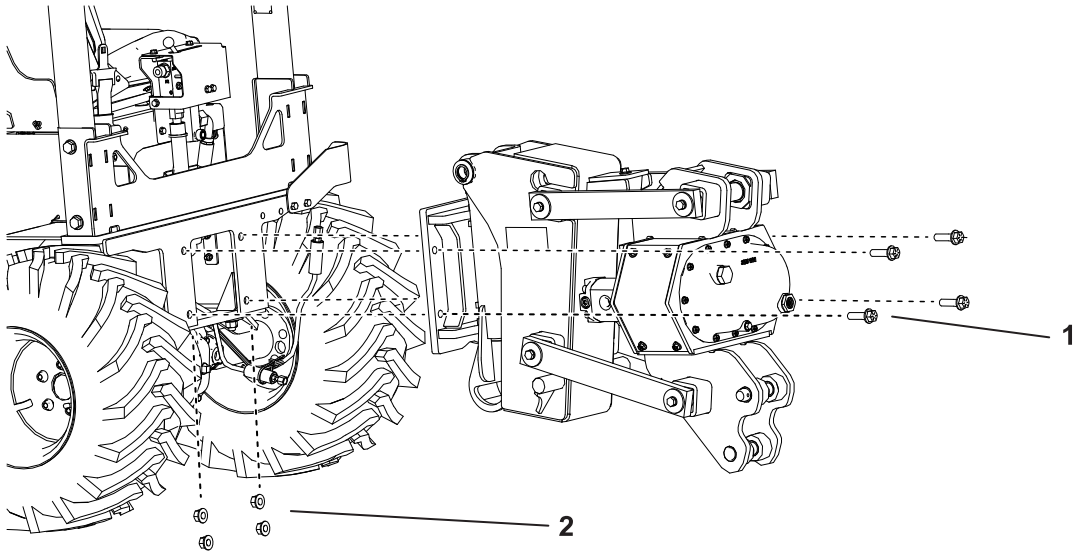
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Installing the Plow on the Machine

Parts Required

1	Blade clevis pin
1	Pin with handle
1	Swing lock pin
4	Bolt (5/8 x 1-1/4 inches)
4	Locknuts (5/8 inch)
2	Lynch pin

1. Use a hoist to lift the plow.
2. Secure the plow to the machine.

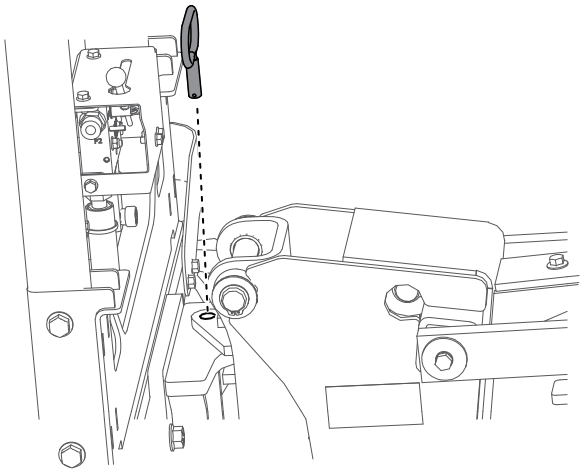


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(1) Locknut (5/8 inch)

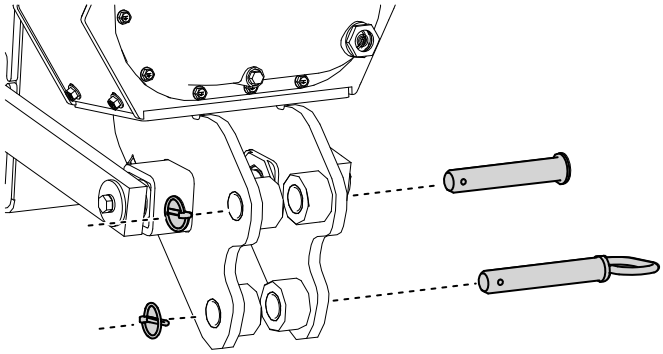
(2) Bolt (5/8 x 1-1/4 inches)

3. Torque the 4 mounting bolts to **257 to 313 N·m (189 to 231 ft-lb)**.
4. Install the swing lock pin.



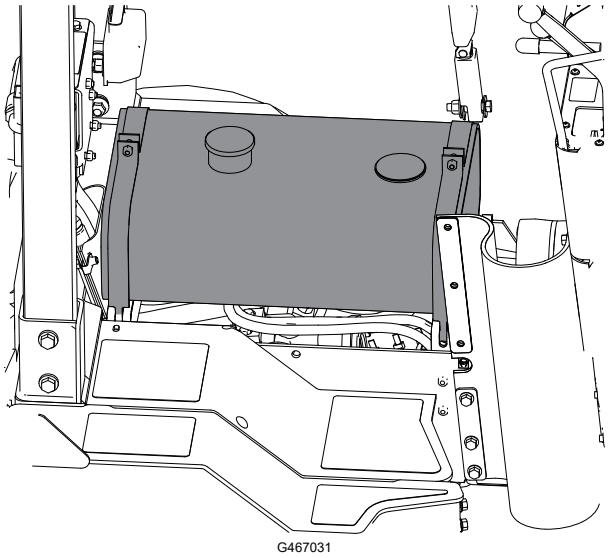
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5. Install the clevis pin and pin with a handle on the plow and secure with lynch pins.



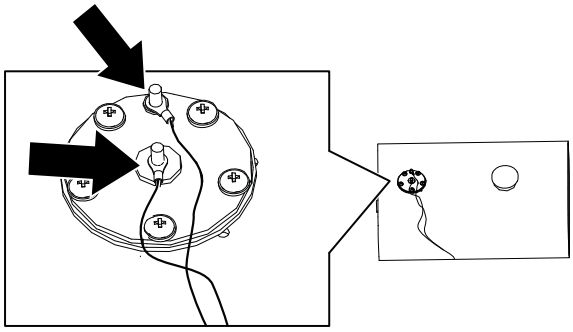
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6. Rotate the fuel tank back into position and secure the tank with the tank straps using the 4 bolts and 4 locknuts.



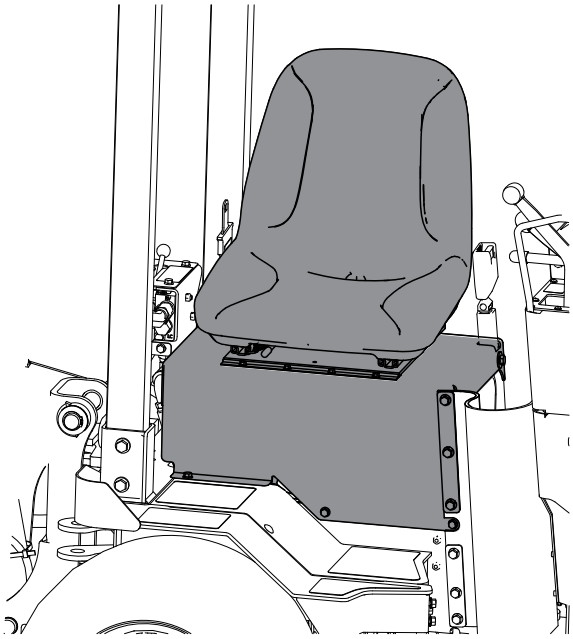
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7. Secure the fuel tank sensor signal wire and ground wire to the fuel tank sending unit.



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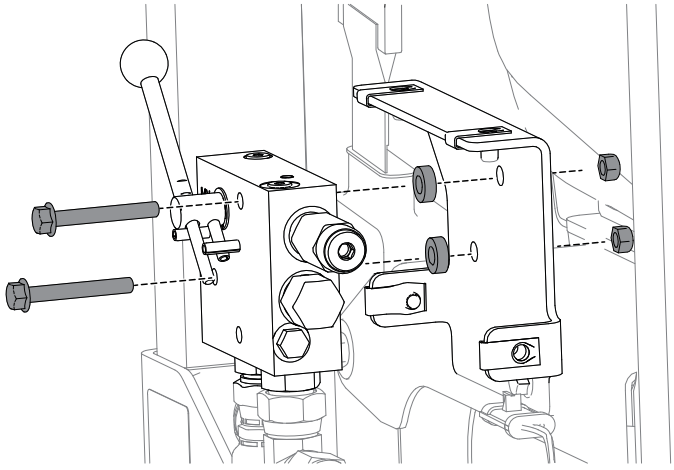
8. Install the seat assembly and seat.



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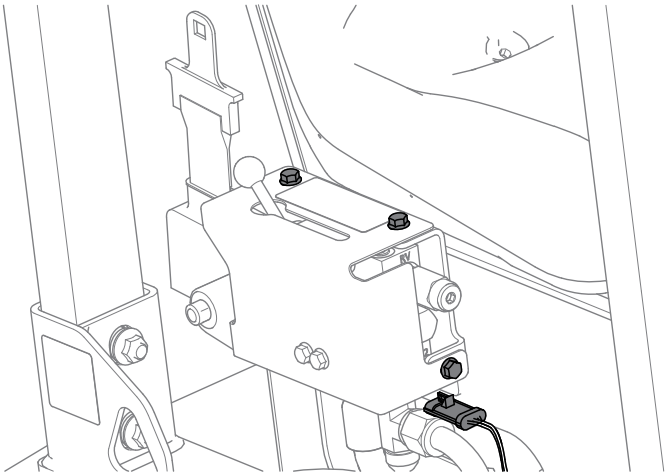
9. Raise the seat and connect the seat switch harness from the seat switch.
10. Secure the plow control valve to the plow valve plate using the previously removed bolts, nuts, and spacers mounting.

    Note: For Pro Sneak installation, perform the steps in Installing the Fittings for the Pro Sneak 365, page 9 before securing the valve.



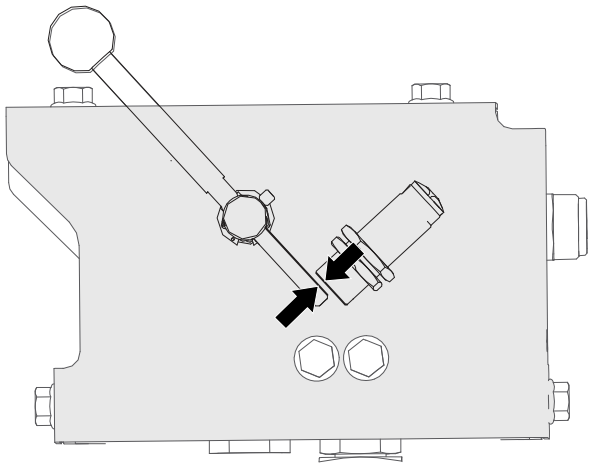
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11. Secure the cover plate assembly to the plow valve plate using the previously removed bolts that mount.



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12. Connect the neutral switch connector at the plow gearbox control valve.
13. Ensure that the gap between the sensor and valve handle is 0.32 cm (1/8 inch).



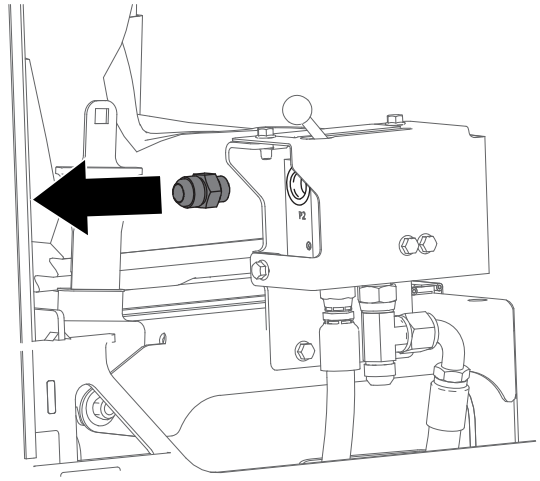
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Installing the Fittings for the Pro Sneak 365

Parts Required

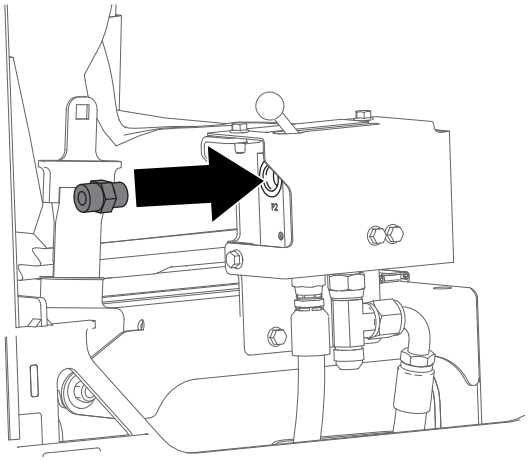
1	Large connector
1	Small adaptor fitting

1. Remove the existing fitting on the side of the plow valve.



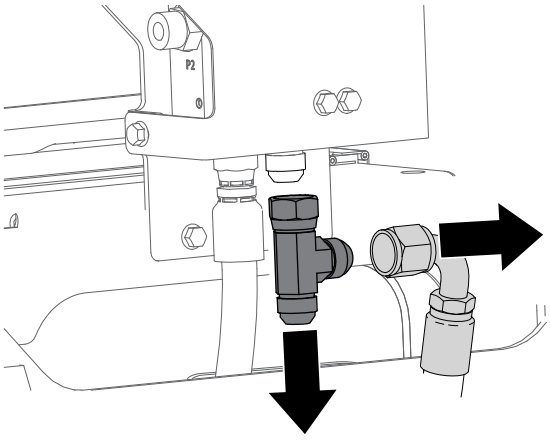
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2. Install the small adaptor fitting.



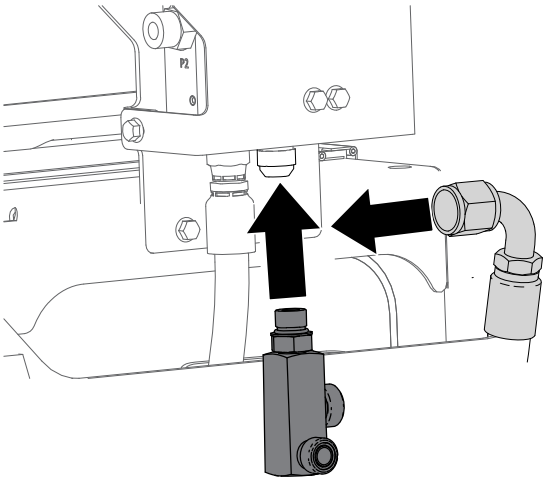
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3. Disconnect the hose and remove the existing fitting on the bottom of the plow valve.



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4. Install the large connector and connect the hose.



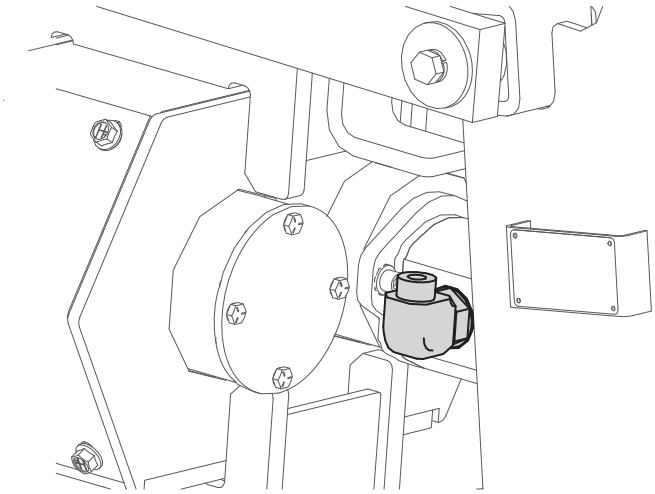
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Installing the Hydraulic Hoses

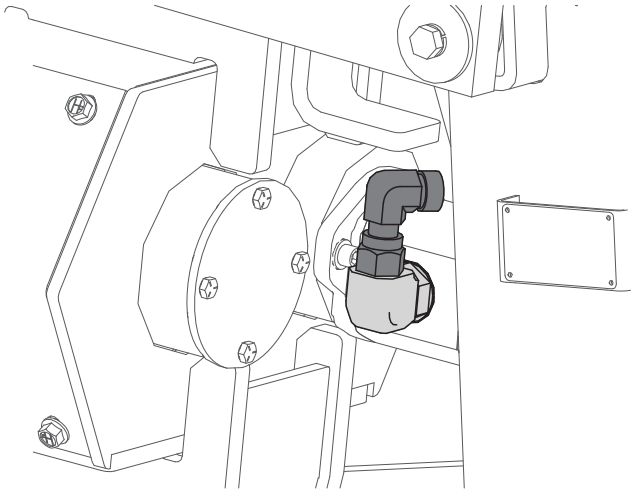
Parts Required

1	36-inch hydraulic hose
1	33-inch hydraulic hose
1	37-inch abrasion sleeve
1	33-inch abrasion sleeve
1	90-degree fitting
1	90-degree fitting
1	90-degree adapter
2	20-inch cable tie
4	7-1/4 inch cable tie

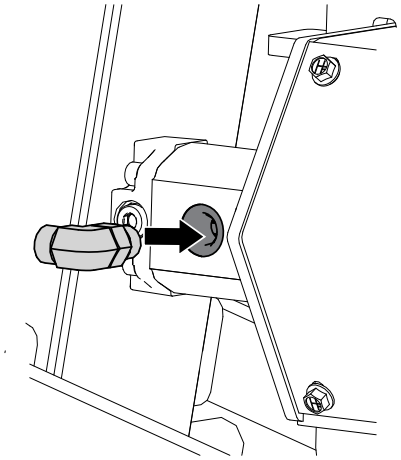
1. Install the 90-degree adapter fitting onto the plow motor.


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2. Install the 90-degree fitting onto the adapter fitting.

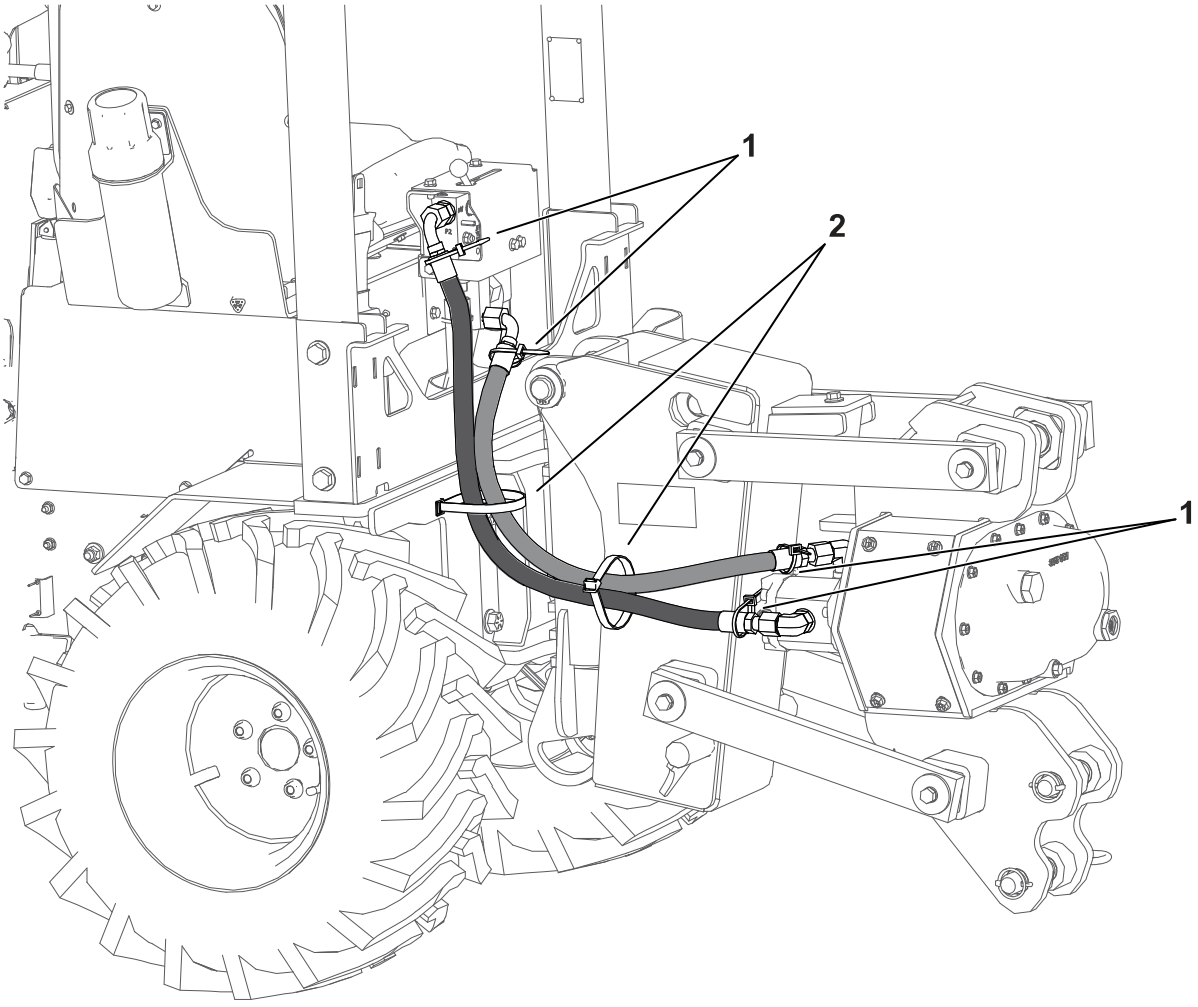

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3. Install the other 90-degree fitting onto the other side of the plow motor.



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4. Install the abrasion sleeves over the hoses.
5. Route the 36-inch hose from the plow vibratory control valve to the fitting on the left side of the plow.
6. Route the 33-inch hose from the connector on the bottom of the plow vibratory control valve to the fitting assembly on the right side of the plow.
7. Secure the hoses with the cable ties.



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(1) 20-inch cable tie

(2) 7-1/4 inch cable tie

8. Test the installation:
   A. Check the hydraulic fluid.
   B. Connect the battery.
   C. Turn on the machine.

      If the machine does not turn on, ensure that the neutral sensor gap is 0.32 cm (1/8 inch).

   D. Raise the plow.
   E. Lower the plow.

Notes:

Notes:


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