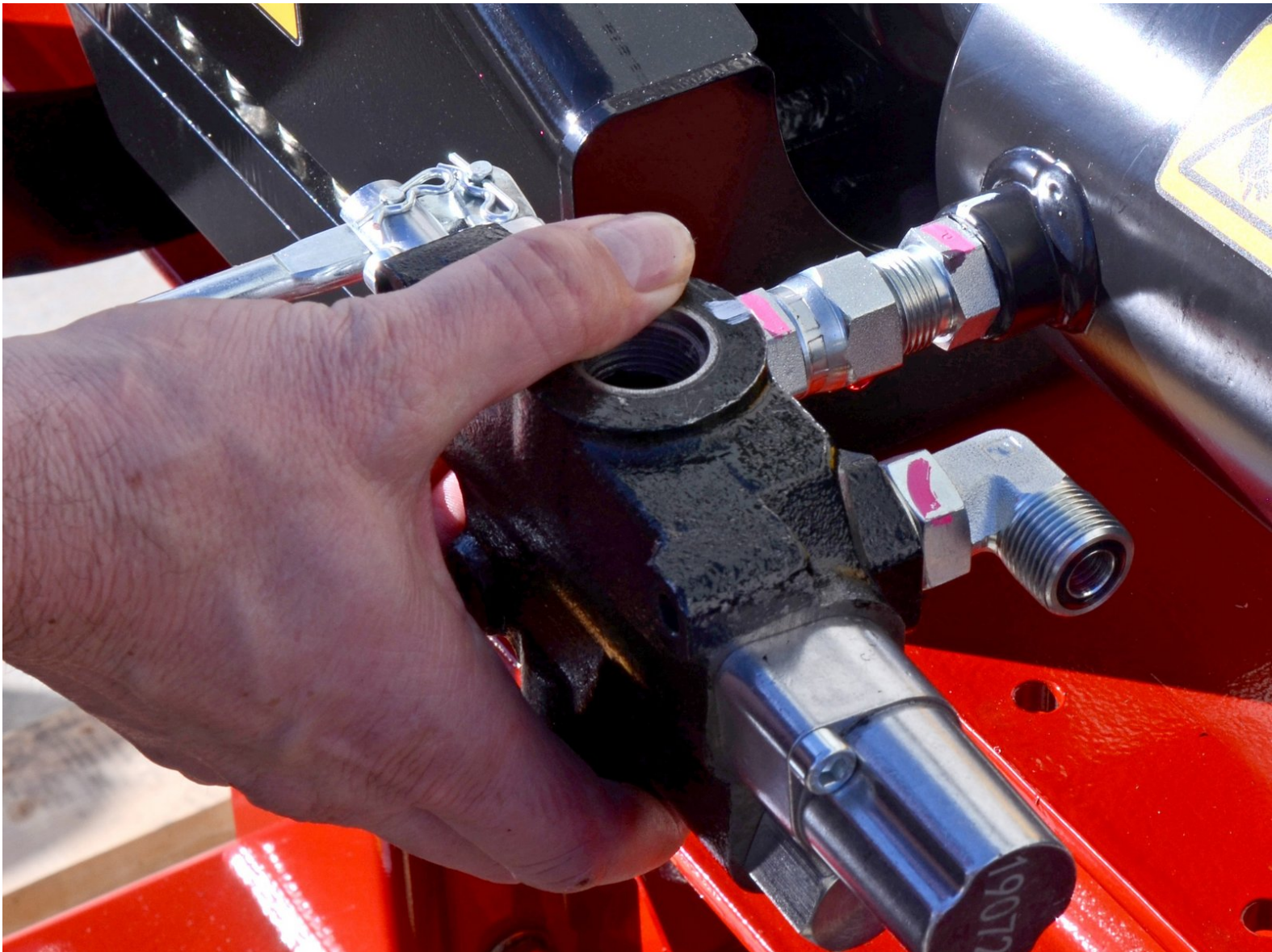




Toro Log Splitters 22618HD 2019 Control Valve Replacement

Guide to remove and replace the control valve on the Toro Log Splitter 22618HD 2019 / LS-922.

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INTRODUCTION

This guide shows how to remove and replace the control valve on the Toro Log Splitter 22618HD 2019 / LS-922.



TOOLS:

- [3/8" Socket](#) (1)
- [9/16" socket](#) (1)
- [3/8" Drive Ratchet](#) (1)
- [Adjustable Wrench](#) (1)
- [Bucket](#) (1)
- [Shop Towels or Rags](#) (1)



PARTS:

- [Toro Valve-Control 136-4583](#) (1)
- [Toro Fitting-Hyd, 90 Deg 340-16](#) (2)
- [Toro Fitting-Hyd, 90 Deg 340-98](#) (1)
- [Toro Adapter-Hyd 100-7671](#) (1)

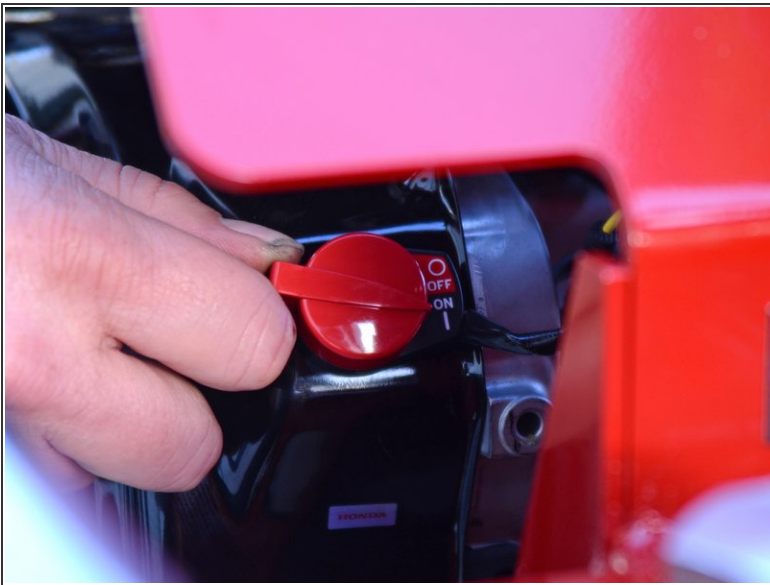
Step 1 — Disconnect the spark plug wire



 Before you begin, ensure that the engine is powered down and cool to the touch.

- Grab the plastic housing at the end of the spark plug wire and pull firmly to disconnect it.

Step 2 — Flip the engine switch to the off position



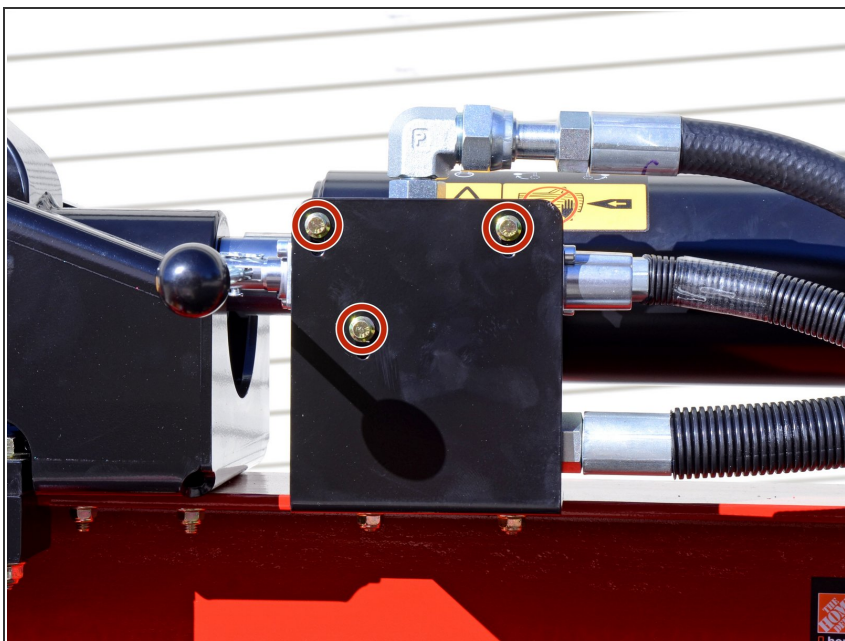
- Flip the red engine ON/OFF switch to the **OFF** position.

Step 3 — Close the fuel valve



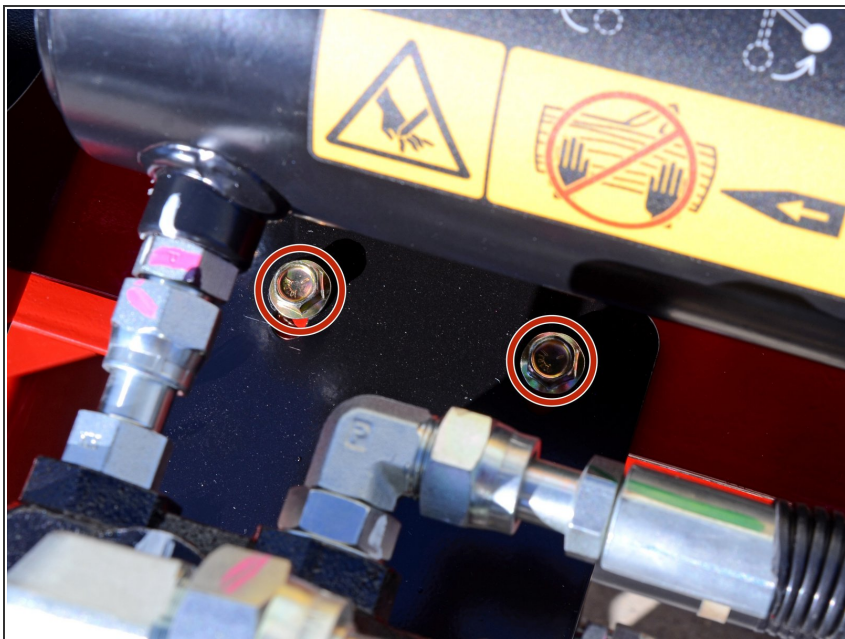
- Flip the fuel valve lever to the **OFF** position.

Step 4 — Remove the control valve bracket bolts



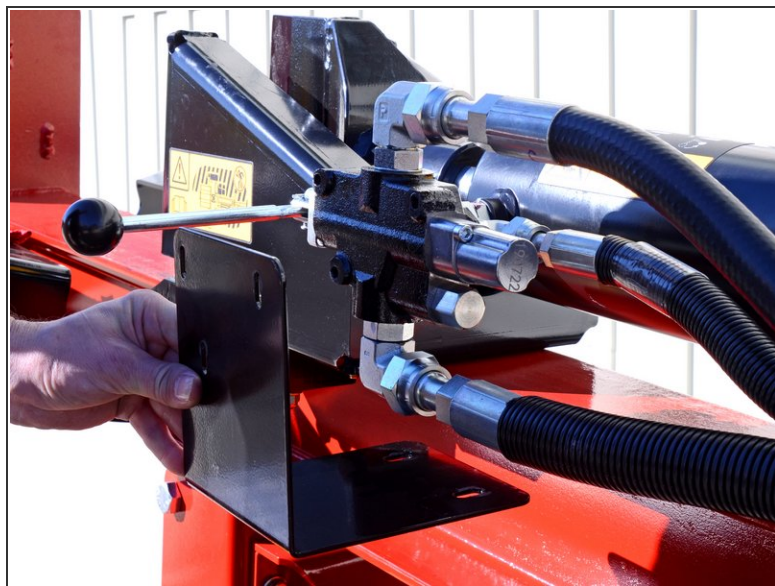
- Use a 3/8 inch socket to remove the three bolts securing the control valve to the control valve bracket.

Step 5



- Use a 9/16 inch socket to remove the two bolts securing the control valve bracket to the frame.

Step 6 — Remove the control valve bracket



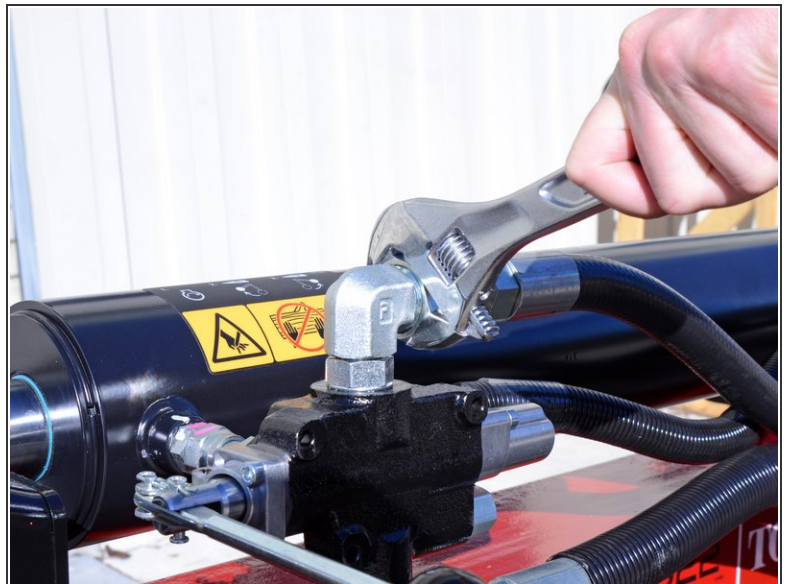
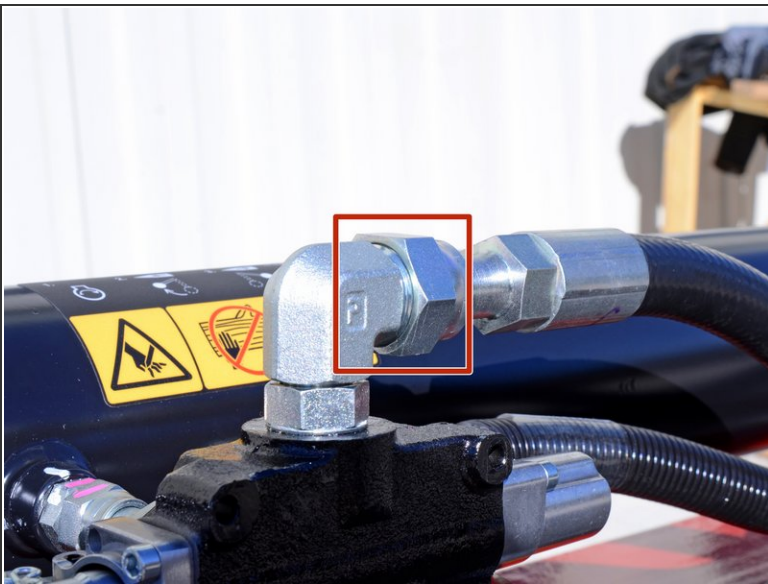
- Remove the control valve bracket.

Step 7 — Prepare for fluid drips



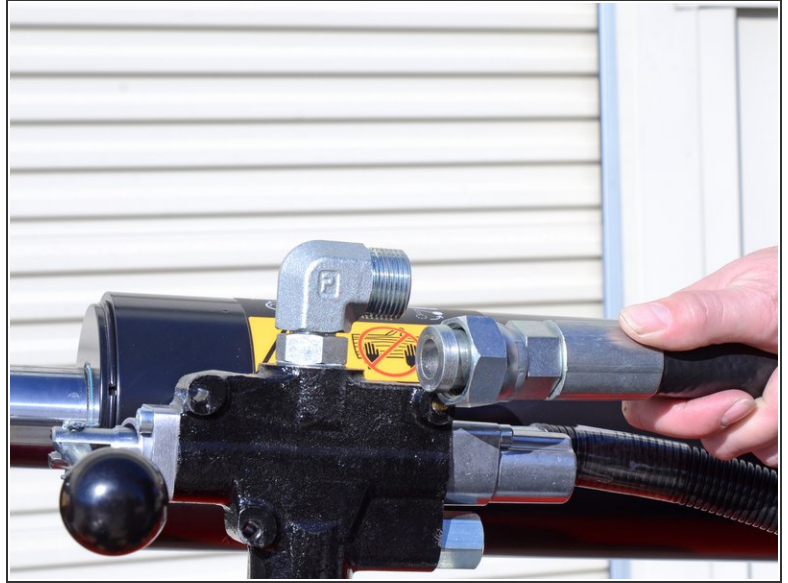
- ⓘ Residual hydraulic fluid will be trapped in the hoses connected to the control valve, and may drip during the following procedure.
- Place a bucket underneath the device, below the control valve to catch any hydraulic fluid drips.
- ⓘ Have rags handy to stop drips and clean up affected areas.

Step 8 — Remove the output hose



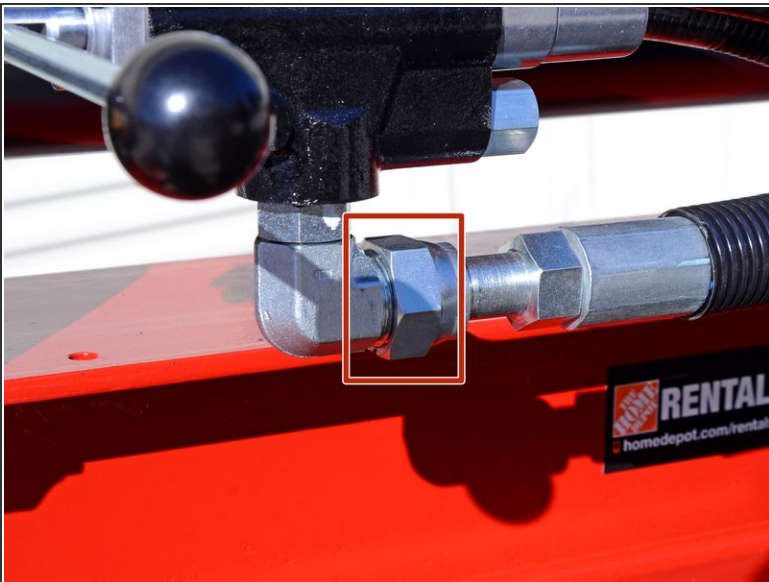
- Use an adjustable wrench to loosen the nut securing the output hose to the L-fitting on top of the control valve.

Step 9



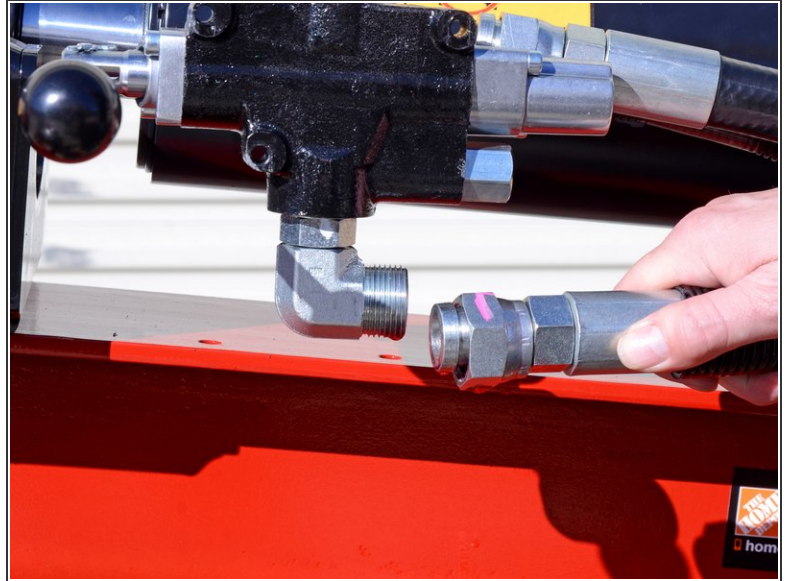
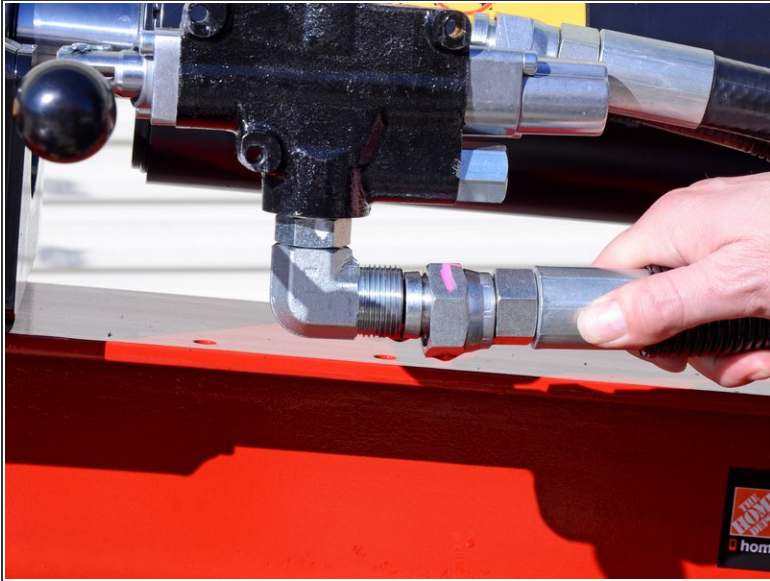
- Remove the output hose from the top L-fitting.

Step 10 — Remove the input hose



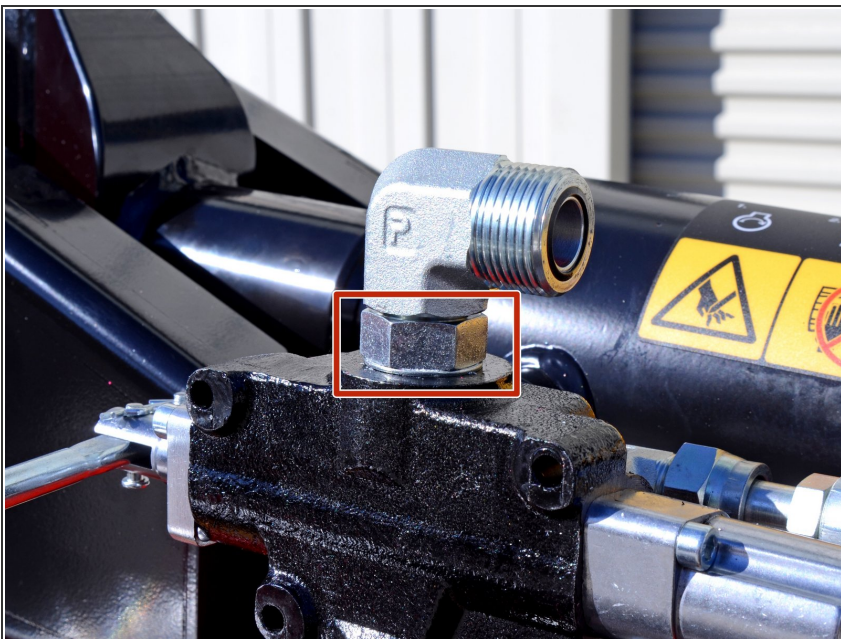
- Use an adjustable wrench to loosen the nut holding the input hose to the L-fitting on the bottom of the control valve.

Step 11



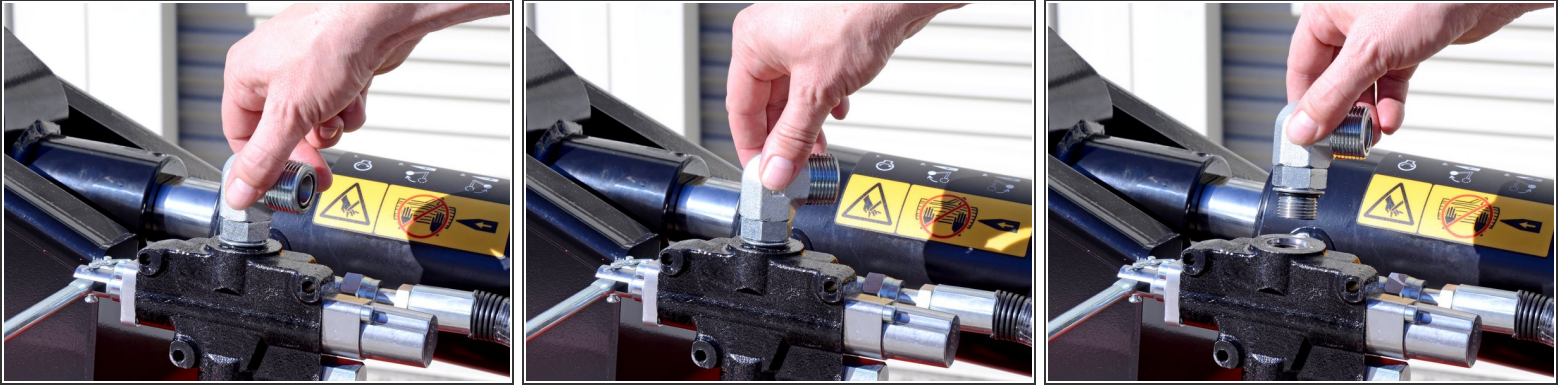
- Remove the input hose from the bottom L-fitting.

Step 12 — Remove the top L-fitting



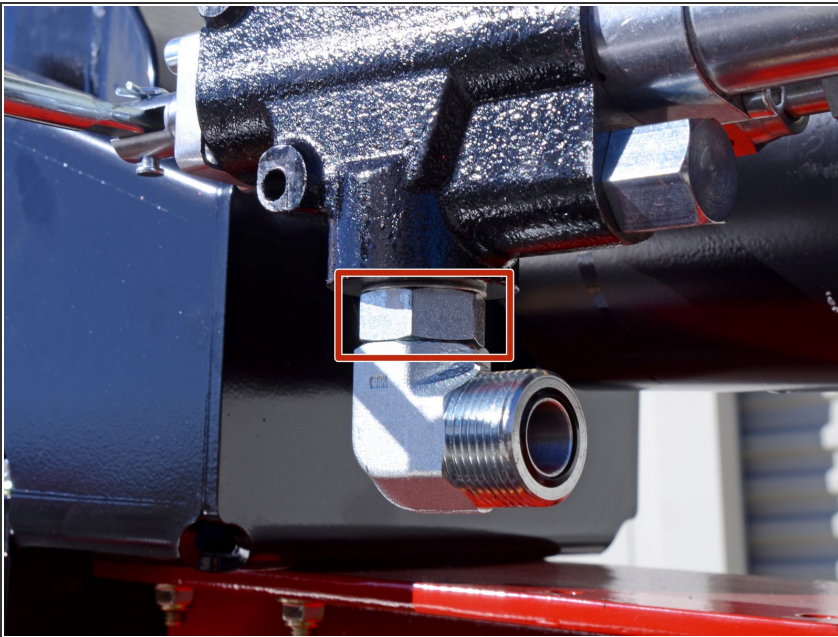
- Use an adjustable wrench to loosen the nut securing the top L-fitting to the control valve.

Step 13



- Spin the top L-fitting counter-clockwise to remove it.
- ⓘ This fitting is part number **340-16**.

Step 14 — Remove the bottom L-fitting



- Use an adjustable wrench to loosen the nut securing the bottom L-fitting to the control valve.

Step 15



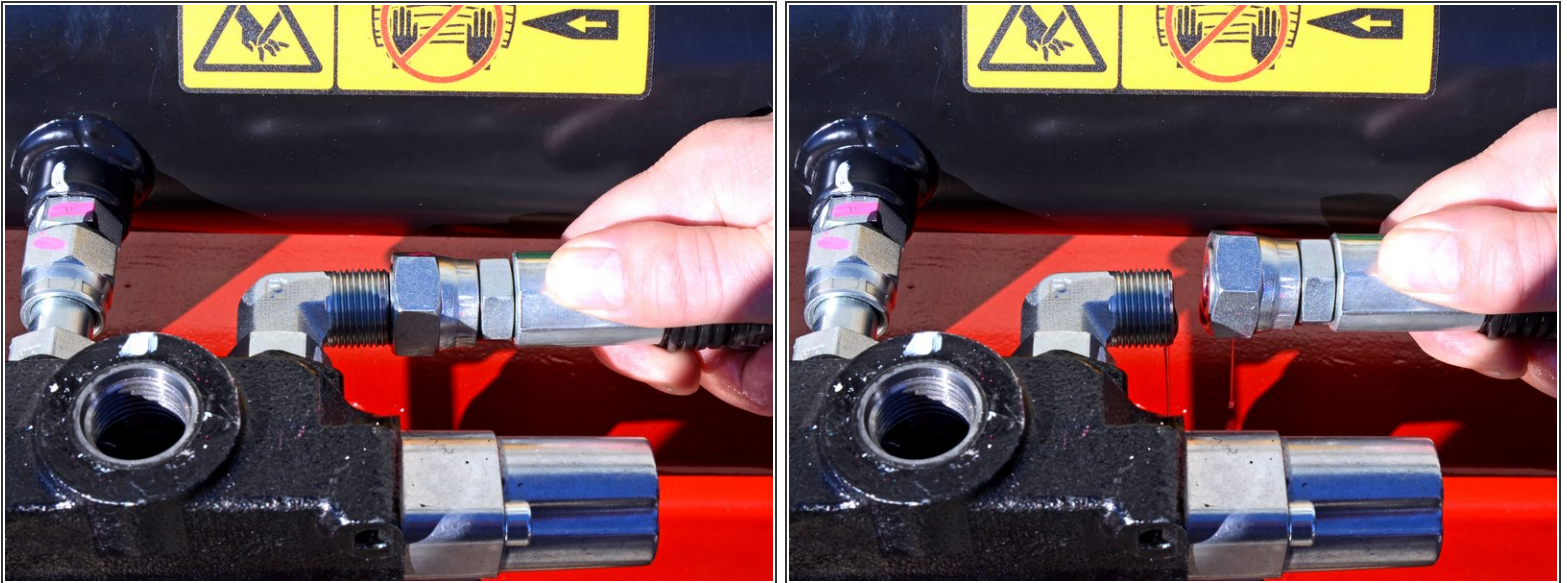
- Remove the bottom L-fitting.
 - ⓘ This fitting is part number **340-16**.

Step 16 — Remove the piston extension hose



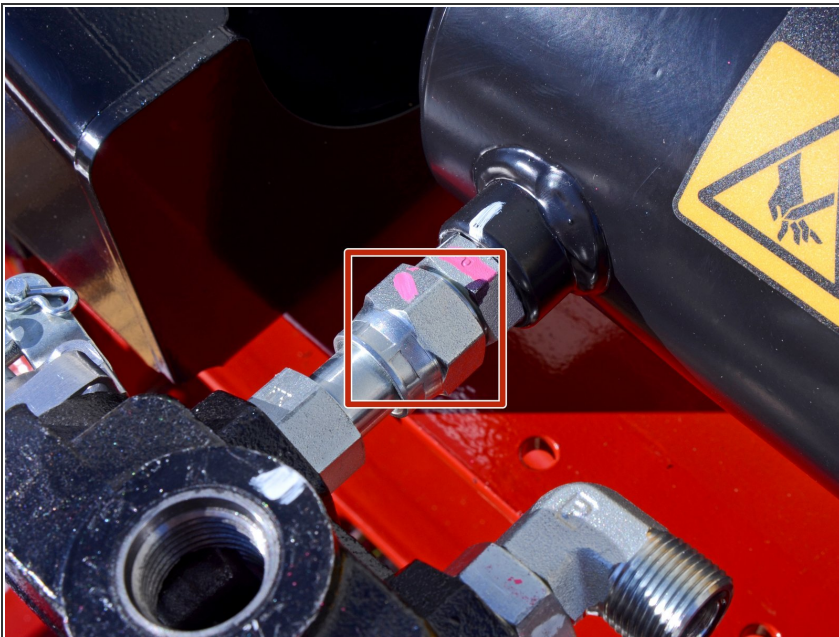
- Use an adjustable wrench to loosen the nut securing the piston extension hose to the L-fitting on the rear of the control valve.

Step 17



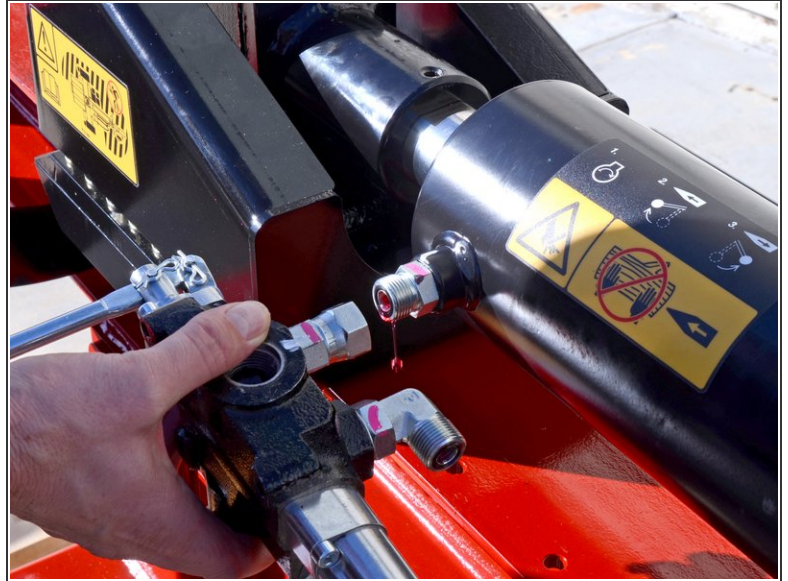
- Remove the piston extension hose from the rear L-fitting.

Step 18 — Remove the control valve



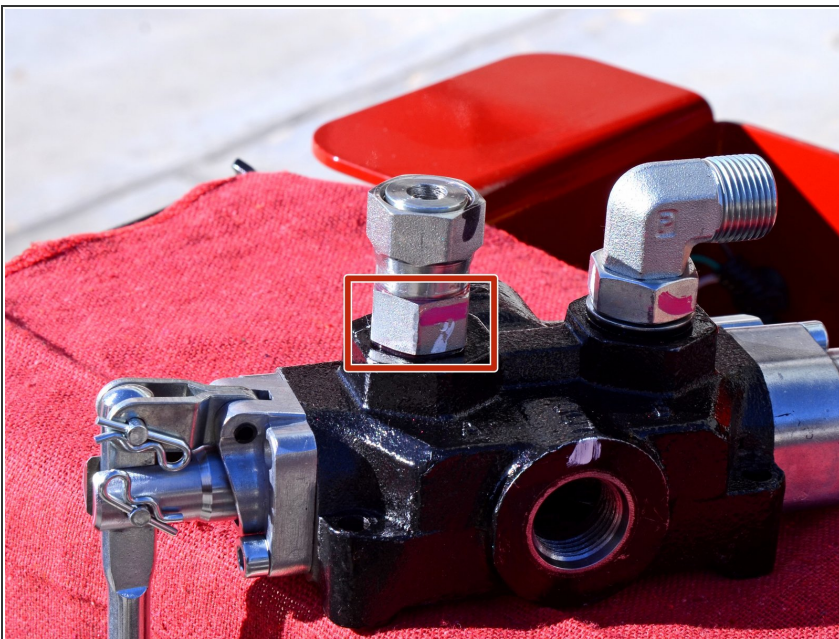
- Use an adjustable wrench to loosen the nut securing the control valve to the cylinder.
- ⓘ This connection is the last part holding the control valve to the device, so keep the control valve supported during removal.

Step 19



- Remove the control valve.

Step 20 — Remove leftover fittings



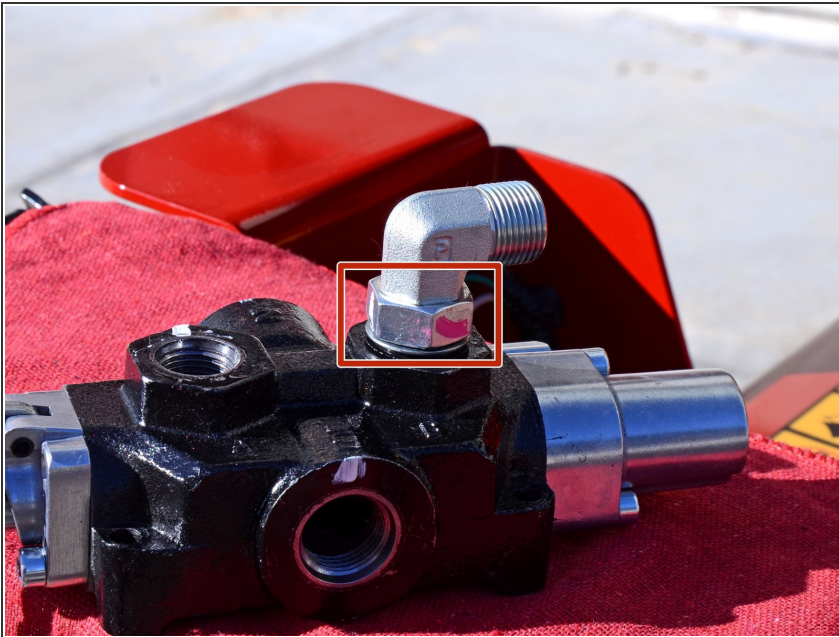
- Use an adjustable wrench to loosen the nut securing the piston contraction fitting to the control valve.

Step 21



- Spin the piston contraction fitting counter-clockwise to remove it.
- ① This fitting is part number **100-7671**.

Step 22



- Use an adjustable wrench to loosen the nut securing the L-fitting to the rear of the control valve.

Step 23



- Spin the L-fitting counter-clockwise to remove it.
- ① This fitting is part number **340-98**.

Step 24



- Only the control valve remains.

To reassemble your device, follow these instructions in reverse order.