



Toro Log Splitters 22618HD 2019 Pump Replacement

Guide to remove and replace the hydraulic fluid pump on the Toro Log Splitter 22618HD 2019 / LS-922.

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INTRODUCTION

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



TOOLS:

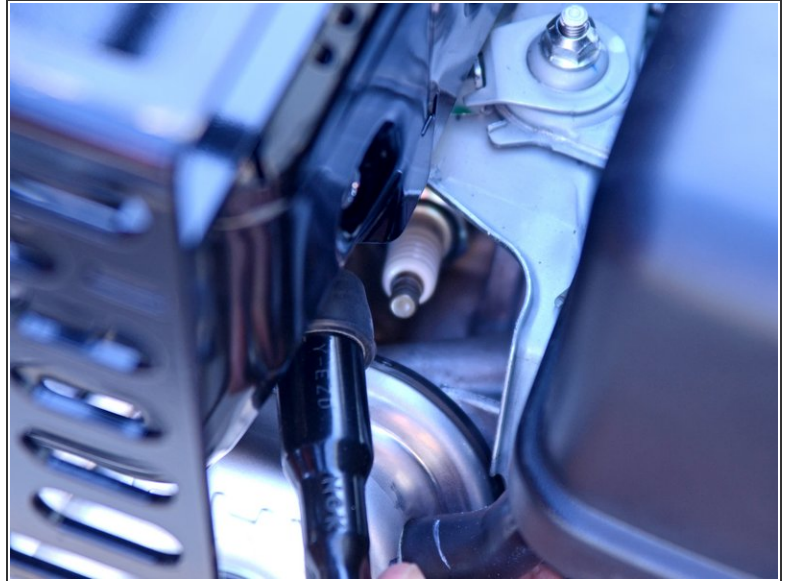
- [Bucket](#) (1)
- [Shop Towels or Rags](#) (1)
- [Flathead Screwdriver](#) (1)
- [Zip Ties](#) (1)
- [Adjustable Wrench](#) (2)
- [2.5 mm Hex Key](#) (1)
- [Pick Tool](#) (1)
- [1/2" Wrench](#) (1)




PARTS:

- [Toro Pump-Hyd 136-4569](#) (1)
- [Toro O-Ring 237-79](#) (1)
- [Toro Clamp 2412-111](#) (1)

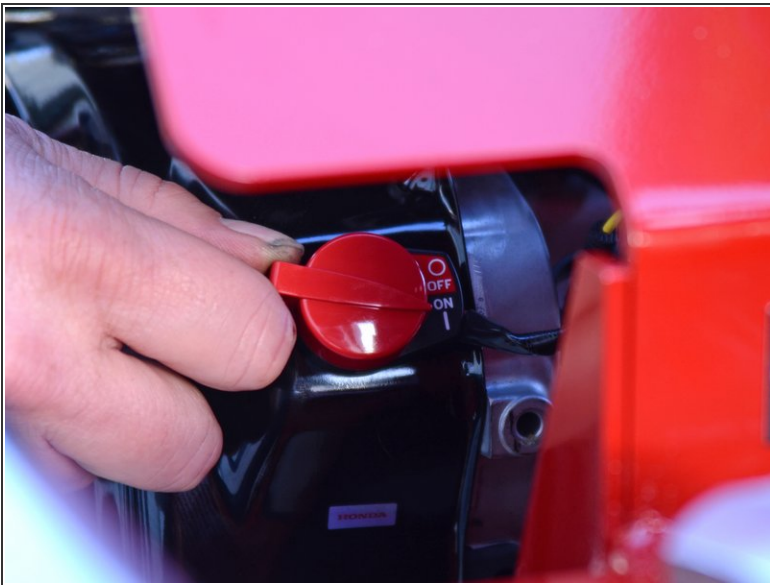
Step 1 — Disconnect the spark plug wire



 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 — Prepare for fluid drips



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

Step 5 — Raise the front end



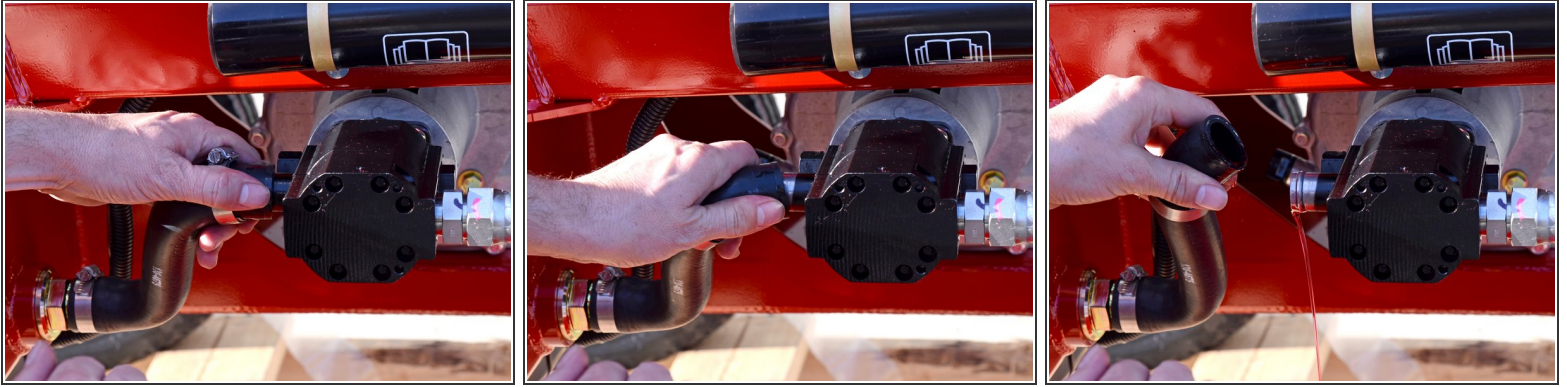
- ❗ The hydraulic fluid tank is near the back of the device, so raising the front will help keep less fluid from spilling.
- Turn the trailer jack handle clockwise to raise the front of the device as far up as it will go.


Step 6 — Loosen the hose clamp



- Use a large flathead screwdriver to loosen the hose clamp.
- 🔧 During reassembly, replace this hose clamp.

Step 7 — Remove the hose



 The input hose is directly connected to the hydraulic fluid tank. Keep the hose elevated, otherwise the tank will lose hydraulic fluid.

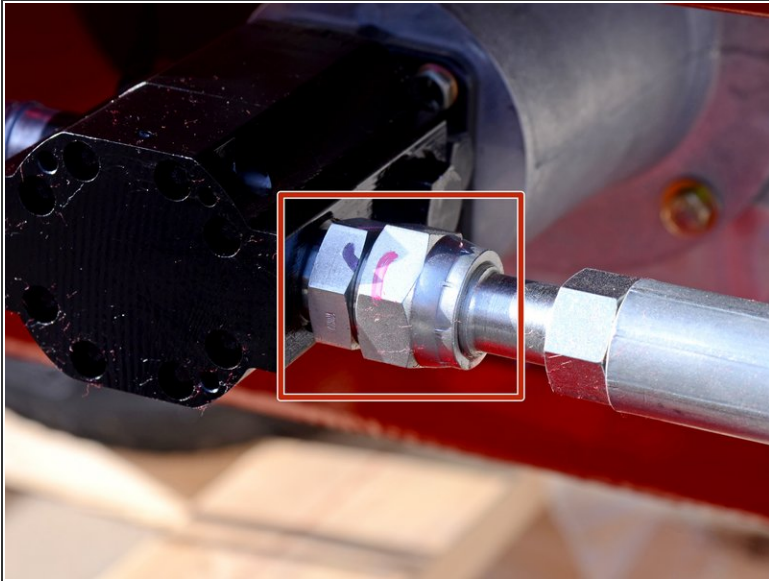
- Slide the hose clamp away from the pump and onto the hose.
- Twist and pull the hose away from the pump to remove it.
- ⓘ Hydraulic fluid may spill out of the pump.
- ⓘ Ensure the hose is kept elevated to avoid spills.

Step 8 — Tie up the hose



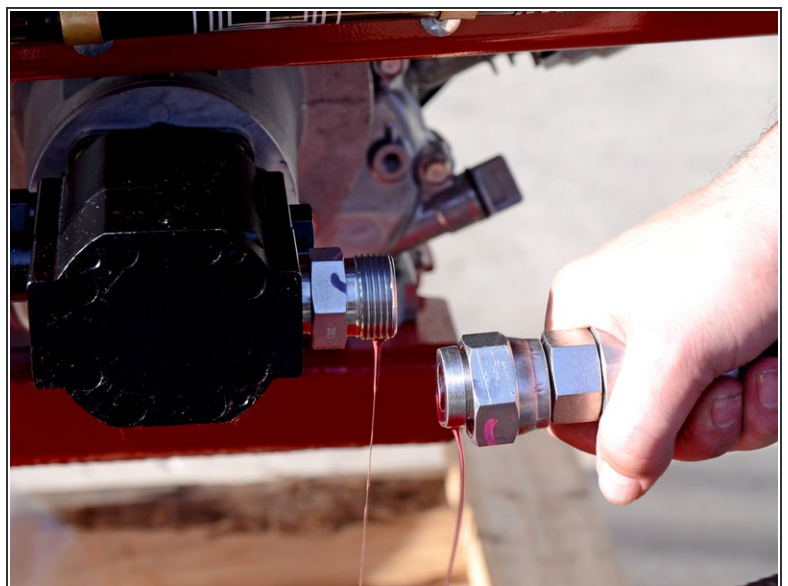
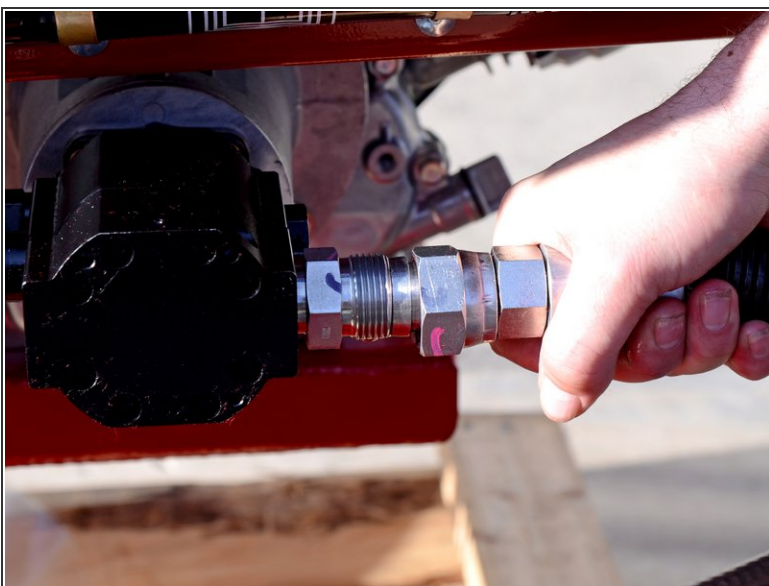
- Use zip ties, a bungee cord, rope, or something similar to tie the hose into an elevated position to avoid spills.
- Plug the open end of the hose with a clean shop towel.

Step 9 — Disconnect the hose from the pump



- Use two adjustable wrenches to loosen the nut holding the input hose to the fitting on the right side of the pump.
- ① Using one adjustable wrench to hold the nut closest to the pump steady, use the second adjustable wrench to loosen the nut on the hose.

Step 10



- Remove the input hose from the right side fitting.

Step 11 — Remove the fitting



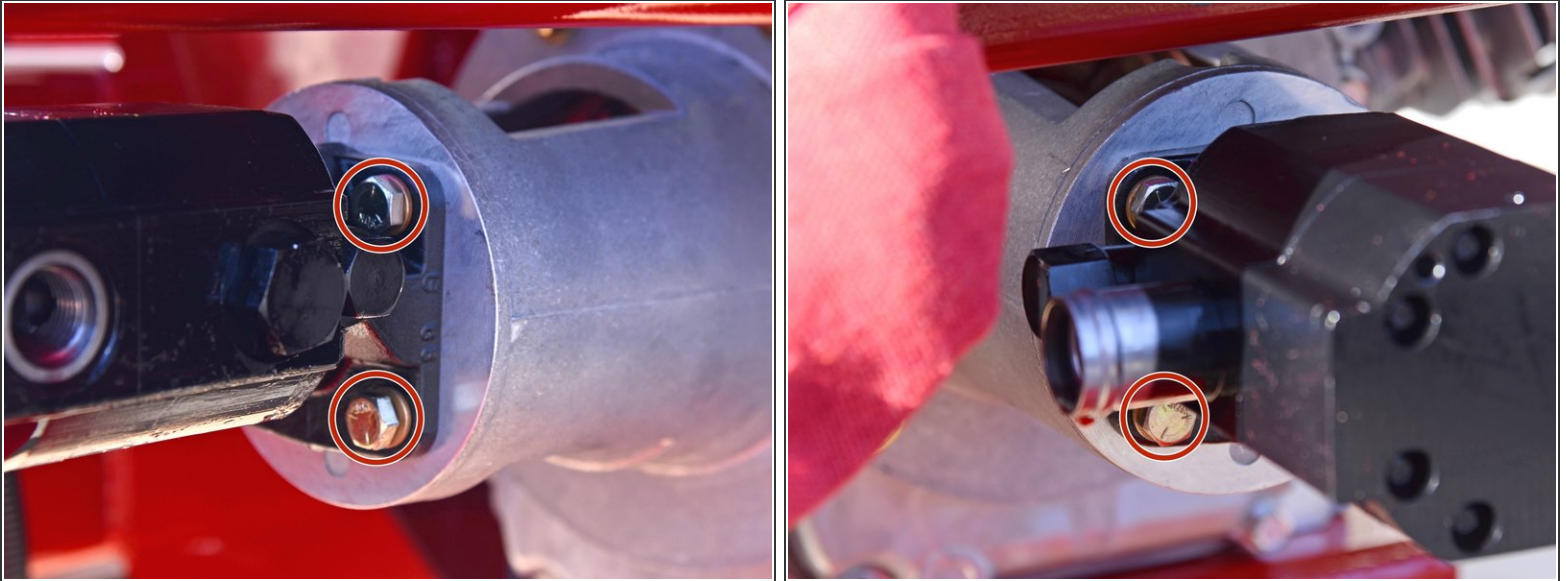
- Use an adjustable wrench to remove the fitting on the right side of the pump.

Step 12



- Use a pick tool to remove the O-ring from the input hose pump fitting, on the side that connects to the pump.
 - ⓘ This O-ring is part number **237-79**.
 - ⓘ The O-ring between the L-fitting and the hose is part number **237-58**. Only replace this O-ring if it is visibly damaged.

Step 13 — Remove the pump



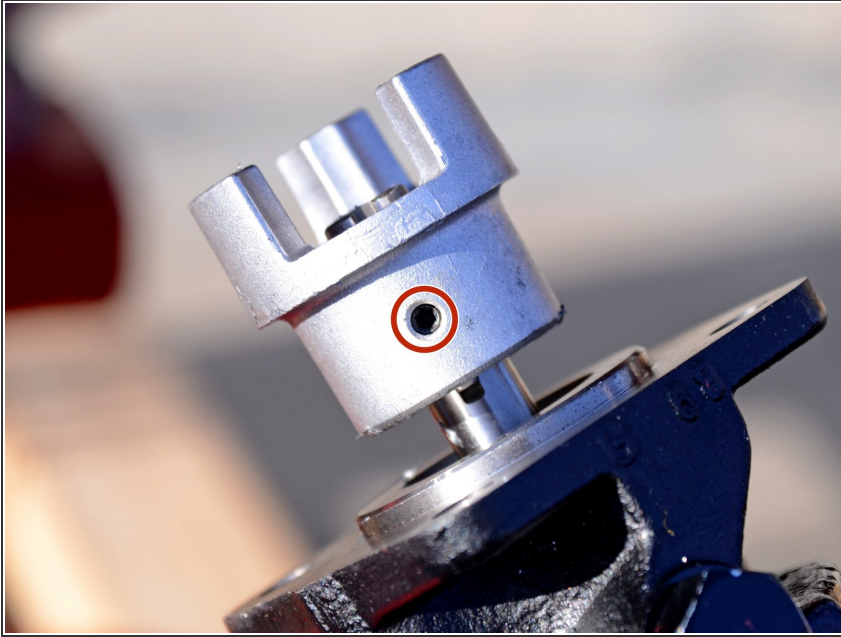
- Use a 1/2 inch wrench to remove the four bolts securing the pump to the flex coupler housing.

Step 14



- Remove the pump.

Step 15 — Remove the pump-side flex coupler



- Use a 2.5 mm hex key to loosen the pump-side flex coupler's set screw until the flex coupler moves freely on the shaft.

Step 16



- Pull the pump-side flex coupler away from the pump input shaft to remove it.
 - Keep track of the pump shaft key. Transfer it to the replacement pump only if the new part does not come with a new key.
- Only the pump remains.

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