3

Setting Up Your Log Splitter

WARNING

Use extreme caution unpacking this machine. Some components are very heavy and will require additional people or mechanical handling equipment.

NOTE: All references in this manual to the left or right side of the log splitter is from the operating position only. Exceptions, if any, will be specified.

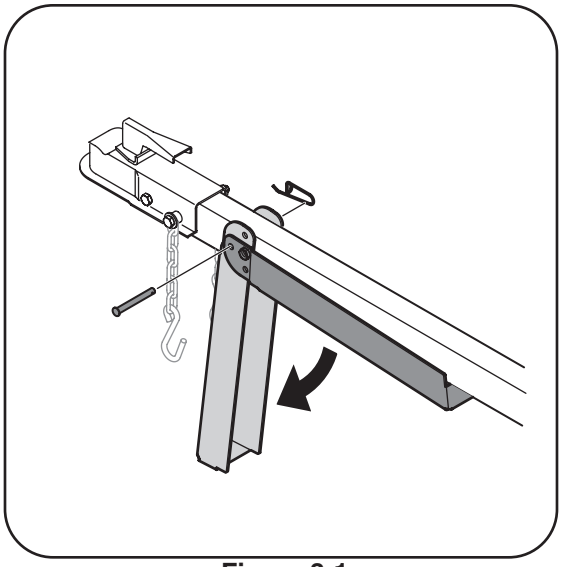


Figure 3-1

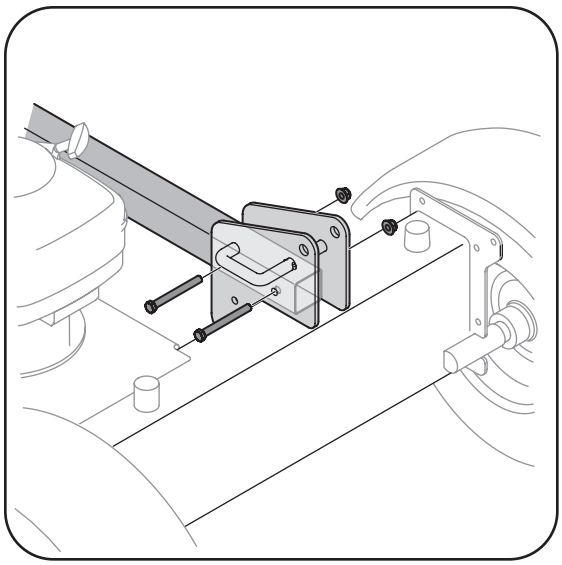


Figure 3-2

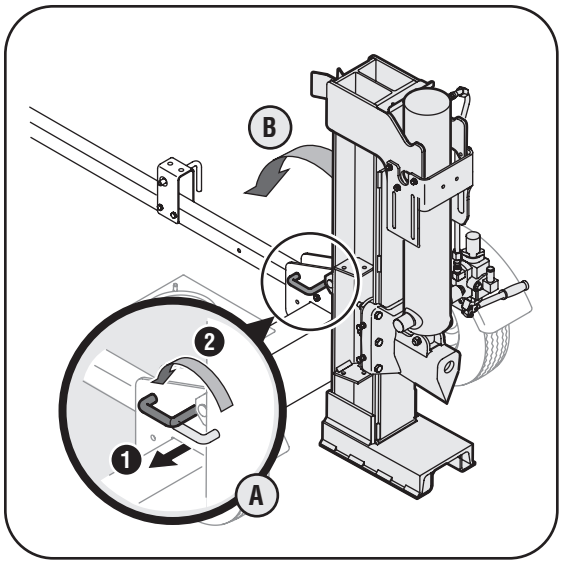


Figure 3-3

WARNING: Use extreme caution unpacking this machine. Some components are very heavy and will require additional people or mechanical handling equipment.

NOTE: All references in this manual to the left or right side of the log splitter is from the operating position only. Exceptions, if any, will be specified.

Assembling the Tongue

Attaching the Jack Stand

The jack stand is shipped in the transport position.

1. Remove the spring clip and clevis pin and pivot the jack stand towards the ground to the operating position.
2. Secure the jack stand in position with the clevis pin and spring clip. See Figure 3-1.

Attaching the Tongue

1. With the log splitter still standing upright, remove two hex bolts and hex nuts from the end of the tongue. See Figure 3-2.
2. Align the holes in the tongue with the holes in the tank bracket and secure with hardware just removed. See Figure 3-2.

NOTE: High pressure hose must be above the tongue assembly.

Connecting Cylinder to Beam

The log splitter is shipped with the beam in the vertical position.

1. Pull out the vertical beam lock, rotate it back, and pivot the beam to the horizontal position until it locks. See Figure 3-3.
2. Disconnect the dislodger from the beam weld bracket by removing the six hex screws. See Figure 3-4.

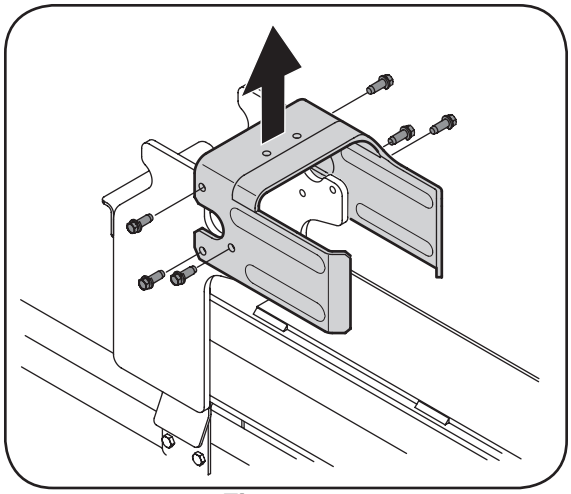


Figure 3-4

3. Disconnect the log cradle from the beam on the side of the control valve. See Figure 3-5.
4. Lift and slide the cylinder up to the top of beam and into the weld brackets.
5. Attach the dislodger over the wedge assembly and secure with hardware, previously removed, to the weld brackets. See Figure 3-5.

NOTE: Once the six hex screws are tightened, there may be a slight gap between the dislodger and the weld brackets. This gap is normal.

6. Reattach the log cradle to the side of the beam with the control valve, aligning the ends of the cradle with the beam flanges. See Figure 3-5.
7. Roll log splitter off the bottom crate.

Preparing the Log Splitter

1. Lubricate the beam area (where the splitting wedge will slide) with engine oil; do not use grease.
2. Remove vented reservoir dipstick, which is located in front of the engine on top of the reservoir tank. See Figure 3-6.

IMPORTANT: The log splitter may have been shipped and primed with hydraulic fluid in the reservoir tank. If not, proceed with the following steps:

3. Fill the reservoir tank with hydraulic fluid included with this unit (if equipped) or approved fluids which include Dexron® III / Mercon® III automatic transmission fluid, a 10 Weight AW hydraulic oil or Pro-Mix™ AW-32 Hydraulic Oil.
4. Check fluid level using the dipstick. See Figure 3-7. Do not overfill.
5. Replace vented dipstick securely, tightening it until the top of the threads are flush with top of the pipe.
6. Disconnect the spark plug and prime the pump by pulling the recoil starter as far as it will go. Repeat approximately 10 times.
7. Reconnect the spark plug wire and start engine following instructions in the OPERATION section.
8. Use control handle to engage the wedge to the farthest extended position. Then retract the wedge.
9. Refill tank as specified on the dipstick.

NOTE: Failure to refill the tank will void unit's warranty.

10. Extend and retract the wedge 12 complete cycles to remove trapped air in the system (the system is "self-bleeding").
11. Refill reservoir within range marked on the dipstick.

WARNING: Much of the original fluid has been drawn into the cylinder and hoses. Make certain to refill the reservoir to prevent damage to the hydraulic pump.

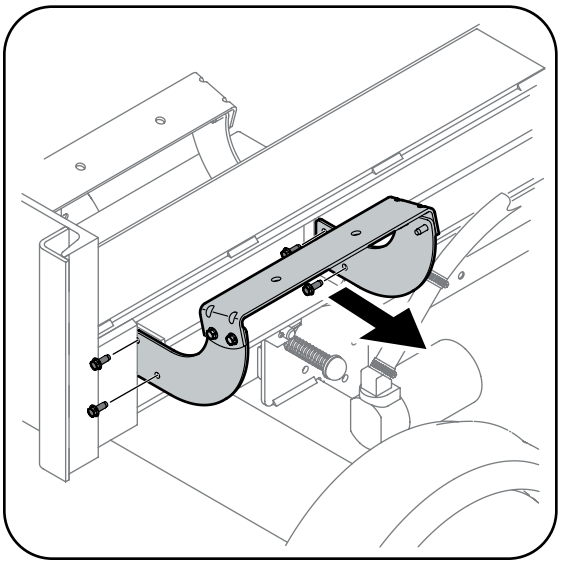


Figure 3-5

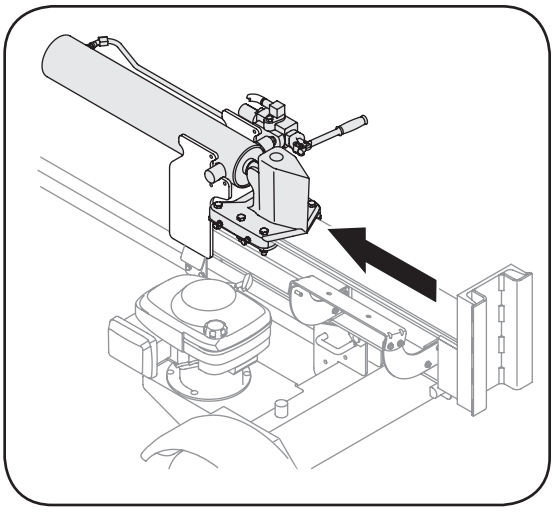


Figure 3-6

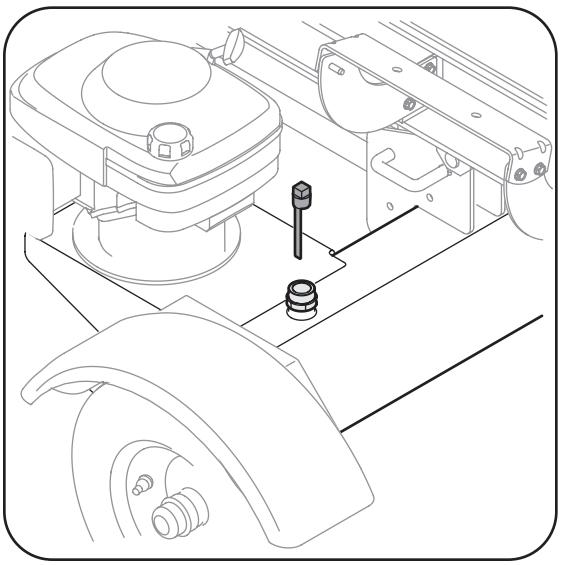


Figure 3-7

NOTE: Some fluid may overflow from the vent plug as the system builds heat and the fluid expands and seeks a balanced level.

3

Setting Up Your Log Splitter

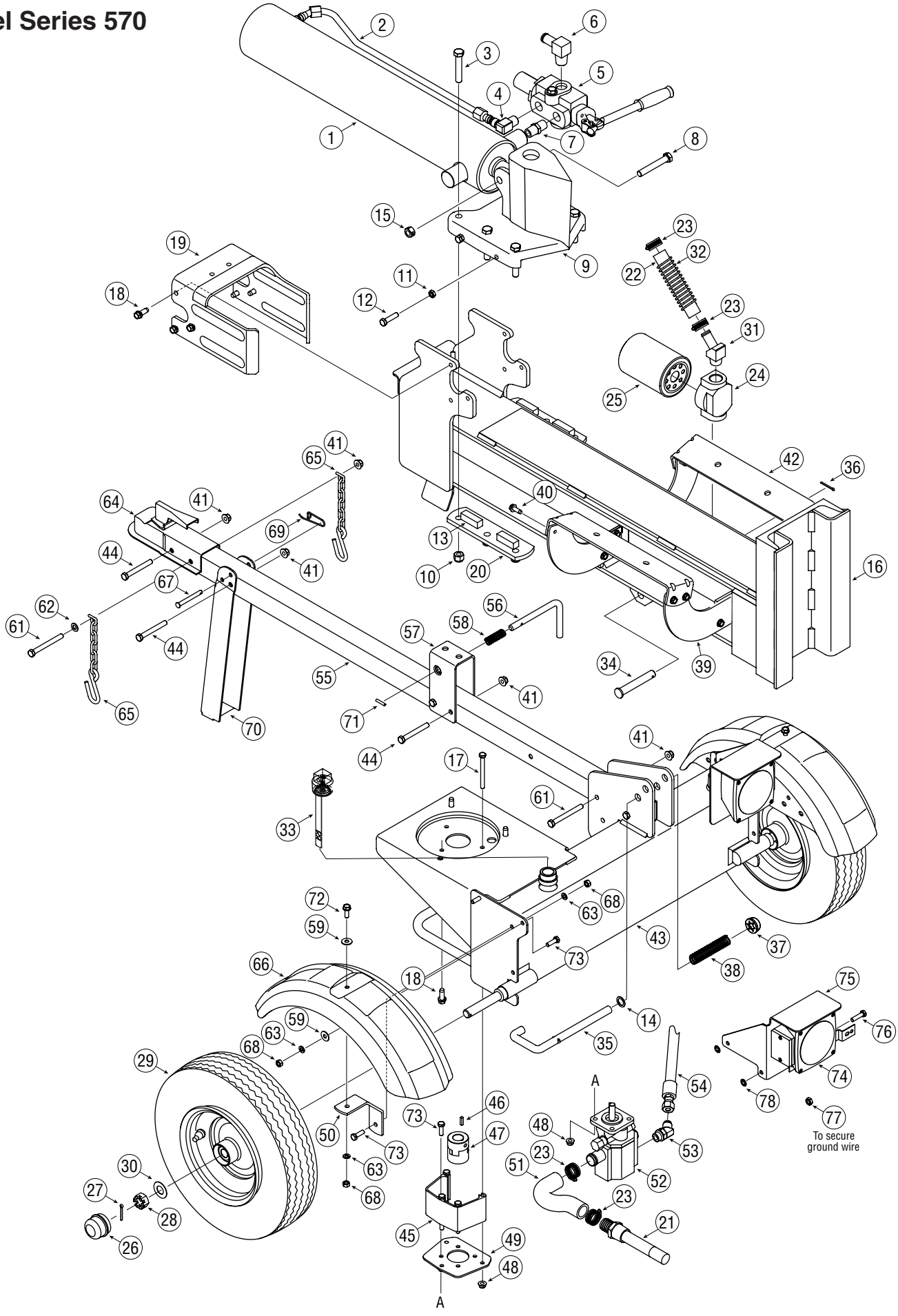
WARNING

Much of the original fluid has been drawn into the cylinder and hoses. Make certain to refill the reservoir to prevent damage to the hydraulic pump.

IMPORTANT:
The log splitter may have been shipped and primed with hydraulic fluid in the reservoir tank. If not, proceed with the following steps:

NOTE: Some fluid may overflow from the vent plug as the system builds heat and the fluid expands and seeks a balanced level.

Model Series 570



1.	718-0769A	Hydraulic Cylinder
2.	727-0634	Hydraulic Tube
3.	710-1018	Hex Cap Screw 1/2-20 x 2.75
4.	737-0192	90 Degree Solid Adapter
5.	718-0481	Control Valve
6.	737-0153	Return Elbow
7.	737-0238	Nipple Pipe 1/2-14
8.	710-1806	Hex Cap Screw 1/2-13 x 3.25
9.	719-0550A	Wedge Assembly
10.	712-3058	Hex Lock Nut, 1/2-20
11.	712-0711	Hex Jam Nut 3/8-24
12.	710-0459A	Hex Cap Screw 3/8-24 x 1.5
13.	781-0351	Adjustable Gib
14.	736-0116	Flat Washer.635 x.93 x.06
15.	712-3022	Hex Lock Nut 1/2-13
16.	681-04071	Beam Assembly
17.	710-3056	Hex Screw, 5/16-18 x 3.25
18.	710-0654A	Hex Washer Screw 3/8-16 x 1.0
19.	781-1048A	Dislodger Bracket
20.	781-0790	Back Plate
21.	737-04093	Inlet Filter
22.	727-0443	Return Hose 3/4" ID x 44" Lg.
23.	726-0132	Hose Clamp 5/8"
24.	737-0316	Filter Housing
25.	723-0405	Oil Filter
26.	734-0873	Hub Cap
27.	714-0162	Cotter Pin
28.	712-0359	Slotted Nut 3/4-16
29.	634-0186	Wheel Assembly
30.	736-0351	Flat Washer.760 ID x.500 OD
31.	737-0312	Adapter 3/4-14
32.	781-0526A	Hose Guard
33.	737-0348A	Vented Dipstick
34.	711-1587	Clevis Pin
35.	781-0690	Lock Rod
36.	714-0470	Cotter Pin
37.	726-0214	Push Cap
38.	732-0583	Compression Spring
39.	781-04180	Log Tray Bracket
40.	710-0650	TT Screw, 5/16-18 x.875

41.	712-04065	Flange Lock Nut, 3/8-16
42.	781-04129	Log Tray
43.	681-04040	Frame Assembly
44.	710-0521	Hex Bolt 3/8-16 x 3"
45.	719-0353	Coupling Shield
46.	714-0122	Square Key 3/16" x.75
47.	718-04145	Flexible Coupling
48.	712-04063	Flange Lock Nut, 5/16-18
49.	781-0097	Rear Coupling Support Bracket
50.	781-1024	Fender Mounting Bracket
51.	727-04130	Hose
52.	718-04127	Gear Pump
53.	737-0329	45 Degree Elbow Fitting
54.	727-0502	High Pressure Hydraulic Hose
55.	781-0788	Tongue Assembly
56.	747-1261	Latch Rod
57.	781-1045	Latch
58.	732-3127	Compression Spring
59.	736-0371	Flat Washer
60.	781-0538A	Hose Guard
61.	710-3085	Hex Cap Screw, 3/8-16 x 3.50
62.	736-0185	Flat Washer,.375 x.738 x.063
63.	736-0119	Lock Washer
64.	681-04030	Hitch Coupling Assembly
65.	713-0433A	Chain
66.	731-2499A	Fender
67.	711-0813	Clevis Pin
68.	712-3010	Hex Nut 5/16-18
69.	732-0194	Spring Pin
70.	781-0789	Jack Stand
71.	715-0120	Spiral Pin
72.	710-1238	Hex Bolt 5/16-18 x 0.875"
73.	710-0376	Hex Screw, 5/16-18 x 1.00
74.	625-0062†	Light Kit
75.	681-0164†	Light Bracket - LH
	781-1027†	Light Bracket - RH
76.	710-0874†	Screw, 5/16-18 x 1.25
77.	712-3008†	Jam Nut, 3/8-16
78.	726-0201†	Speed Nut, .3125 ID

† If Equipped

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Parts List

MTD For A Growing World. GENUINE FACTORY PARTS

To order replacement parts, call the Customer Service Line at 1-800-648-6776, or visit www.troybilt.com.