



# ASSEMBLY GUIDE

## 12/20T Vertical/Horizontal Log Splitter





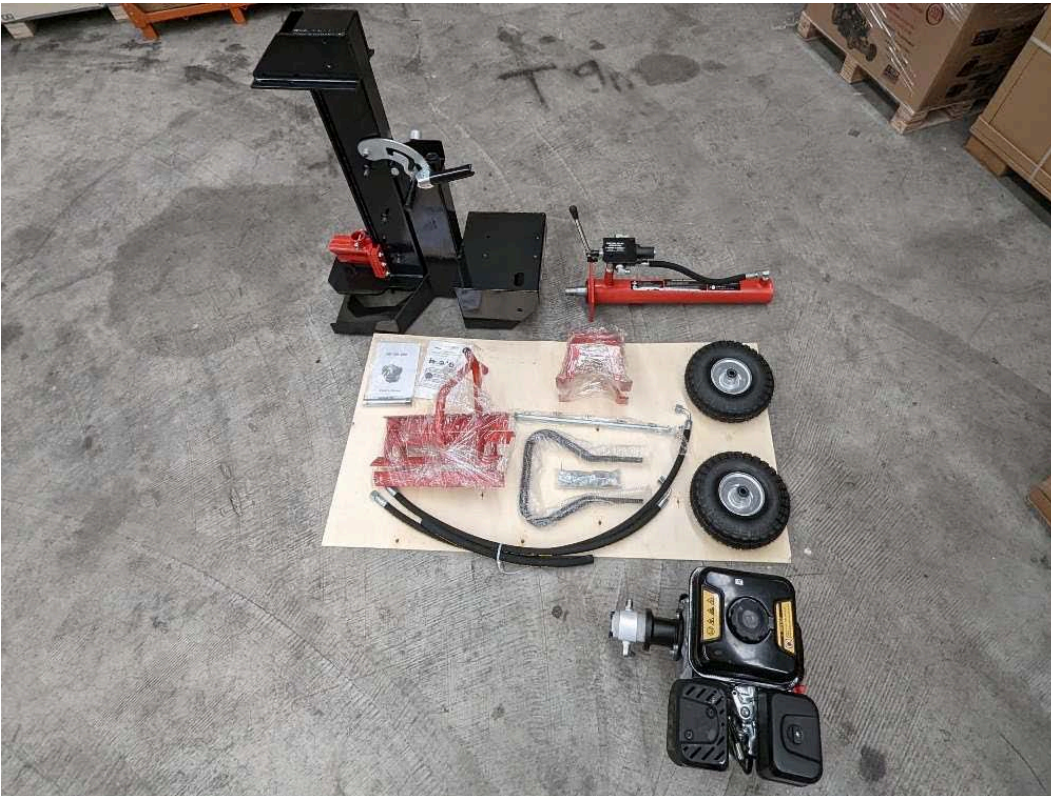
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## Step 1: Unbox, unwrap, and lay out all parts

When you first get your log splitter it will be boxed and wrapped in clear wrap, to make sure everything was received the best thing to do is unbox, unwrap, and lay out all the parts for the log splitter.







## Step 2: Lay out all bolts, washer, and nuts

When you receive your log splitter all the bolts, washers and nuts will be in one package. To make sure you have received all your bolts, washers and nuts it is best to lay them out. This also makes it easier to find them when assembling.





## Step 3: Oil tank and wheels

When assembling your log splitter, the first part you start with is the oil tank and wheels. The wheel axle slides through the base of the oil tank and the wheels slip on both sides. Then you can tighten up the wheel retaining nut.







## Step 4: Attach engine to engine bracket

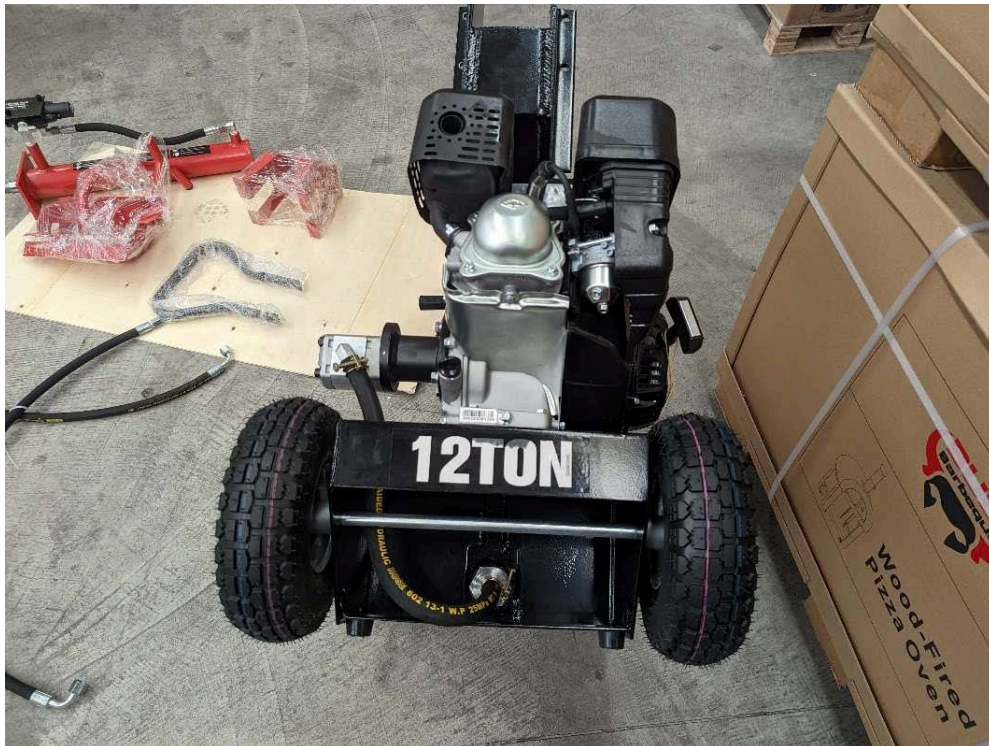
Your engine will sit on the engine support bracket with the pump facing the pivot bracket side of the Log splitter. When bolting your engine please be sure to use the 4 long bolts with the spring washers provided.





## Step 5: Attach hydraulic feel line

The hydraulic feed line will attach under your engine bracket and be fed through and onto your hydraulic pump. This line will be secured using Hose clamps that will need to be put on the hose before it is pushed onto the tanka and pump spigot fittings.







## Step 6: Attaching your wedge to the ram

Your wedge will need to be bolted to your ram before it is bolted in place as you will not be able to get the bolt in place after the ram is bolted in place.







## Step 7: Attaching hydraulic ram and wedge protector

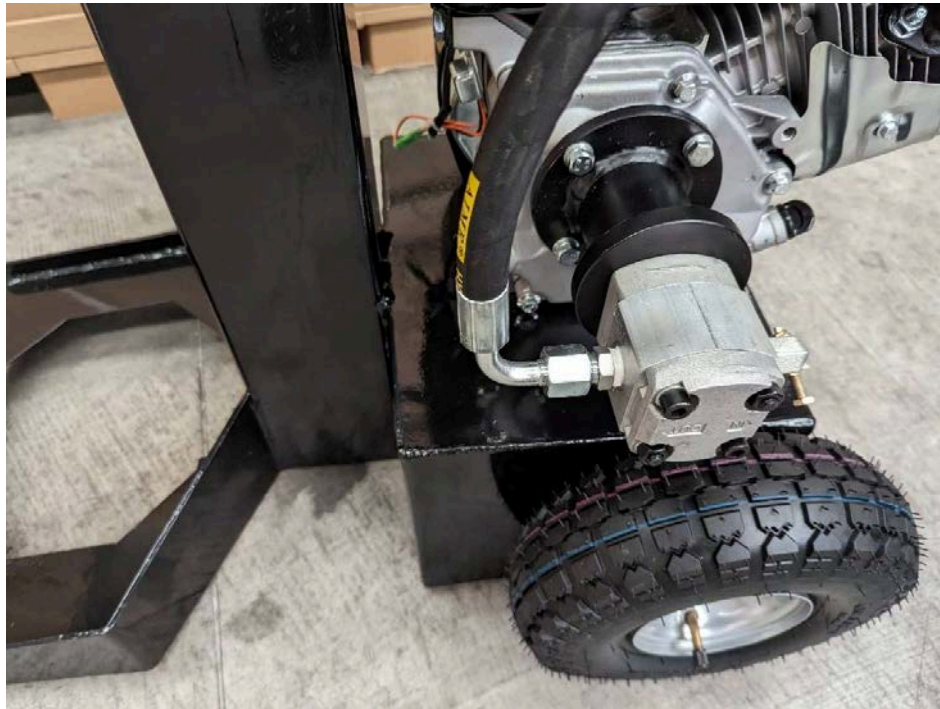
Your Ram in the box will be loosely sitting on the I-beam and need to be bolted in place. This is held in place with 4 bolts. These 4 bolts will also hold your wedge protector in place and will go through the wedge protector into the ram then through the bracket on your I-beam.



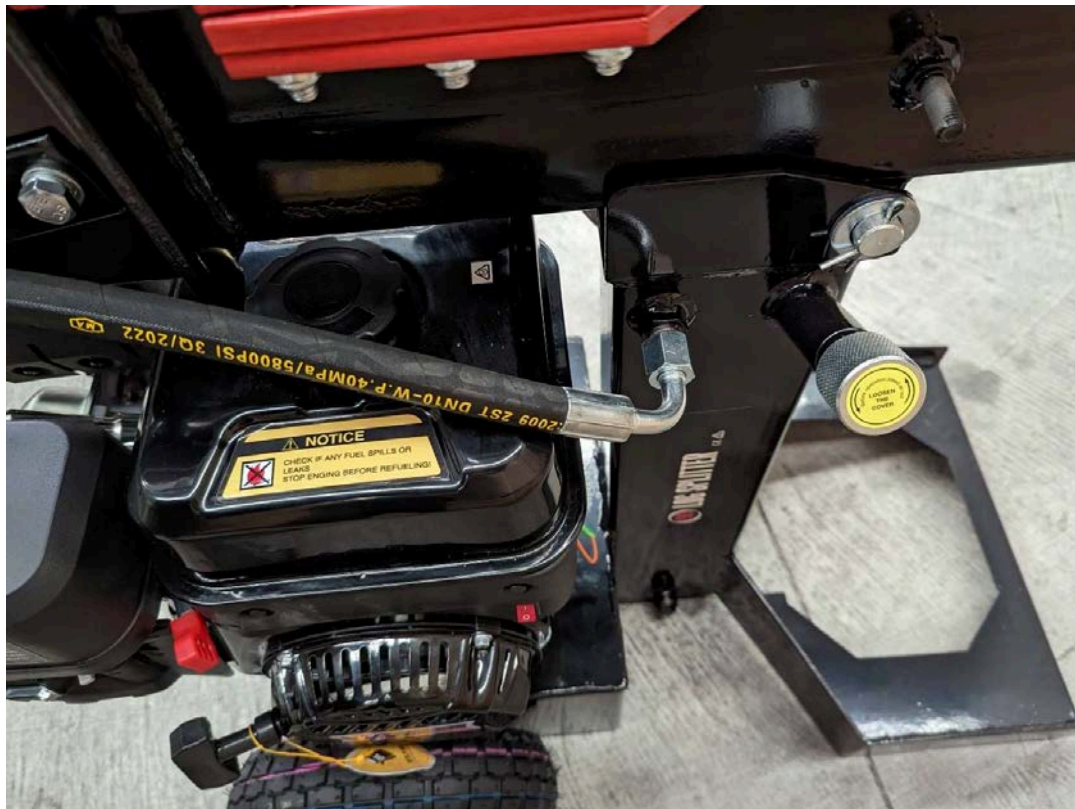


## Step 8: Attach hydraulic hoses

Your log splitter will need the hydraulic high pressure feed hose (Hydraulic pump to control valve) and hydraulic return hose (control valve to hydraulic tank) attached. The longer of the two hoses will run from your hydraulic pump to your control valve and the shorter hose will run from the control valve to the tank return fitting.



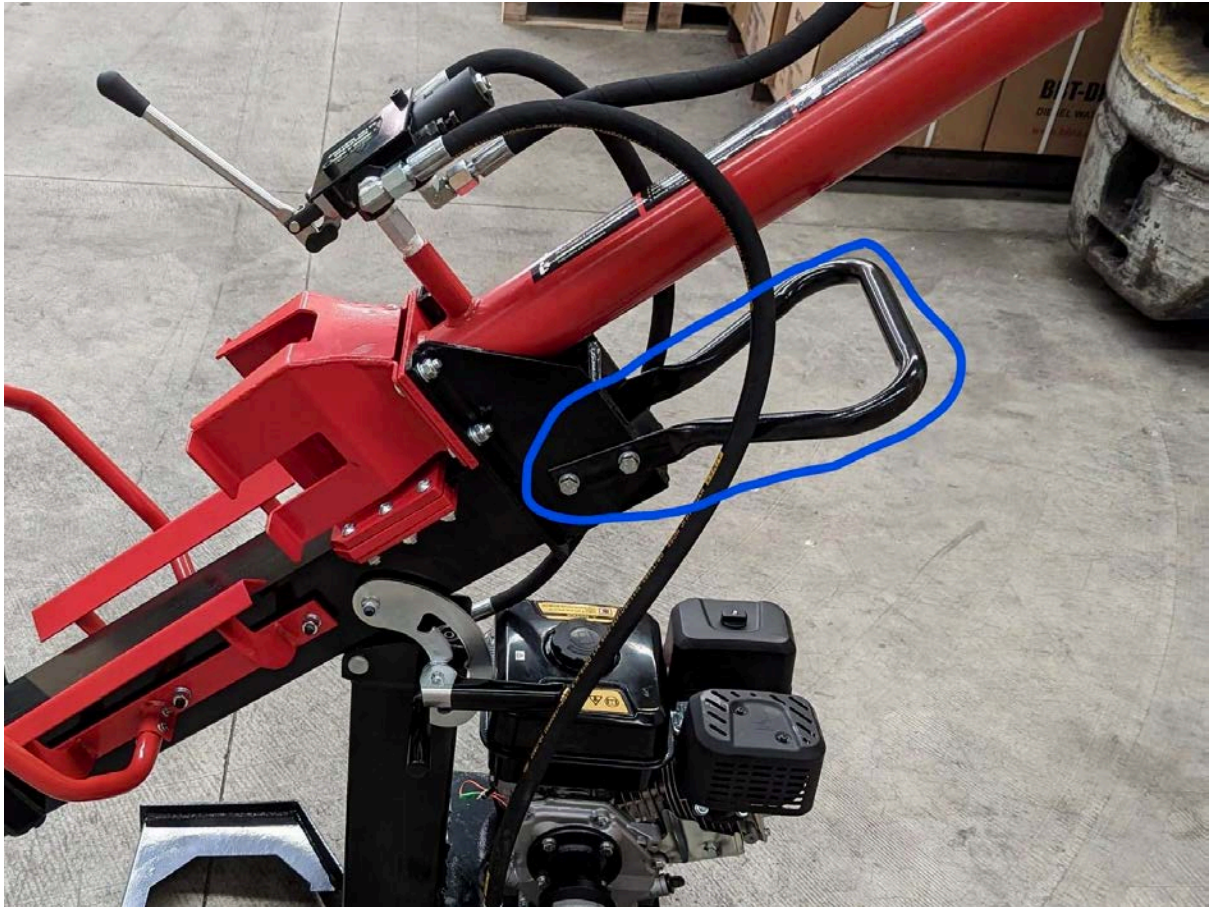






## Step 9: Attach handle

Your log splitter comes with a handle that helps you move the log splitter around. This handle is held in with 4 bolts with washers and spring washers.







## Step 10: Adding oil to your engine

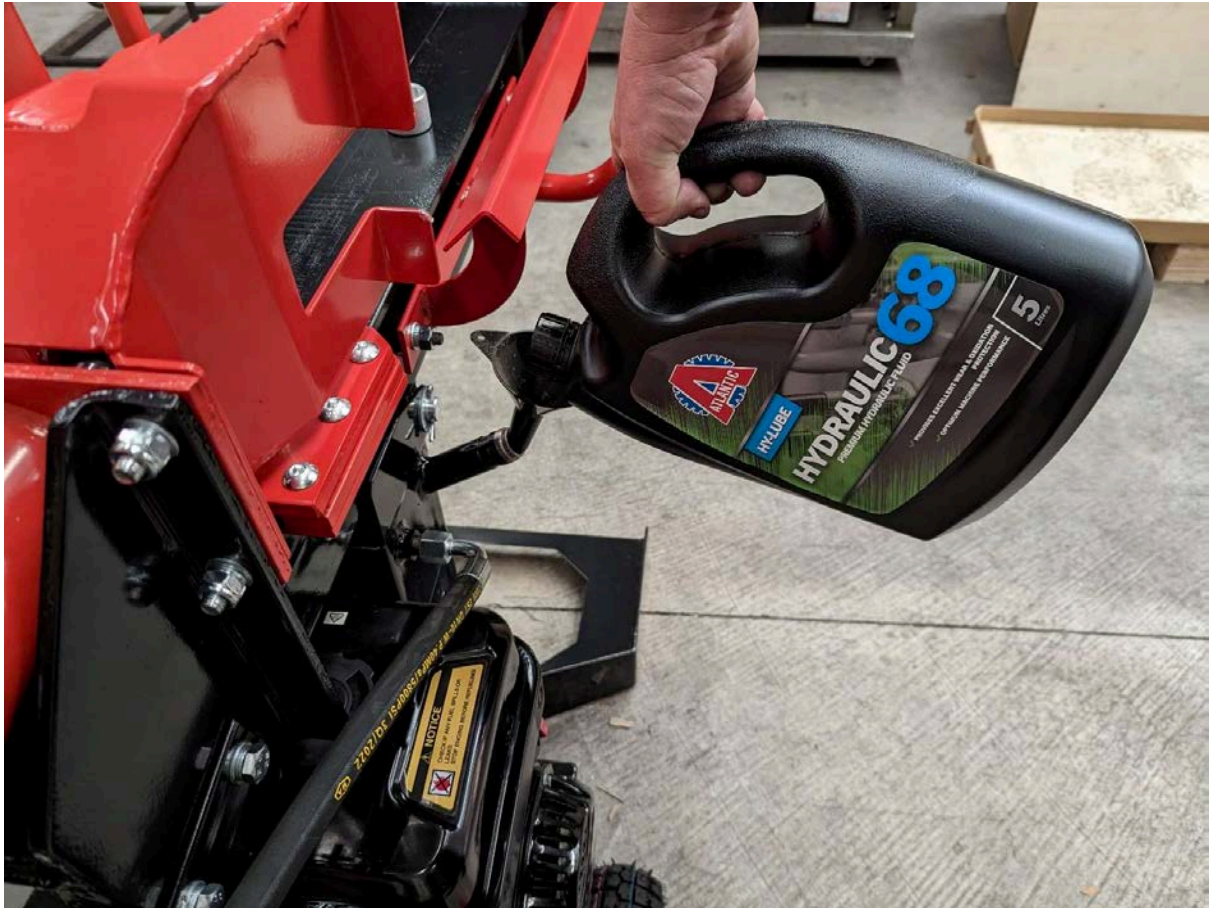
Now that your log splitter is built you will need to add oil to your engine. These log splitters come with a JD 6.5hp engine. This engine takes 600ml of SAE30 oil. Before adding the oil, please make sure your engine is sitting level. Please note a good indicator that your engine oil is full is to fill it to the level of the threads where the dip stick screws in.





## Step 11: Adding hydraulic oil to your machine

After engine oil has been added to your engine you will need to add your hydraulic oil. Our 12/20T Vertical/Horizontal log splitter holds 6 liters. We recommend the use of ISO68 hydraulic oil.







## Step 12: Adding fuel and starting your machine

After your engine oil and hydraulic oil are full, you will need to start the machine without the silver hydraulic oil tank cap on. Move your ram back and forth using the control valve to prime and bleed out any air from your hydraulic system. After this is done, reinstall your oil cap. Your machine is now ready for use. (Please note after your machine is switched off, this is a good time to check all your fittings for any hydraulic leaks)

