I'm not a robot

Our 3pt hitch horizontal log splitter plans are designed for DIY enthusiasts who want to build a tractor-mounted wood splitter in their own workshop. These plans cater to universal instructions for 3-point tractor mounted hydraulic or PTO driven wood splitters, covering categories 0, 1, 2, 3, and 4. We offer low prices and CAD design plans that include fabrication and assembly instructions.The plans provide detailed information on building a log splitter with a 30-page pdf table of contents, including the bill of materials, tractor 3pt log splitter CAD view, CAD elevation views, PTO and 3pt tractor hydraulic units, and hydraulic components. We've made it easy to follow by providing step-by-step instructions for fabrication and assembly.For added convenience, we offer two fabrication options: "wedge into log" or "log into wedge." Our plans also include detailed instructions for attaching the hydraulic system, securing steel plates, installing steel bars, connecting the hydraulic pump, and ensuring proper alignment. We've ensured that our designs are easy to build and operate.The three-point hitch system is a popular choice for attaching accessories to tractors, skid steers, and other machinery. Our 3pt tractor hydraulic log splitter uses this system to secure the log splitter to the tractor's PTO drive shaft. This design provides a simple hookup using a universal utility that has become industry standard.We've also included instructions for building a 3pt PTO driven log splitter option. This design is powered by a power take-off or power takeoff (PTO) and can be used with various methods to receive power from a tractor or skid steer's running engine. Our plans provide everything you need to make your own log splitter, including materials, tools, and step-by-step instructions.Attaching a log splitter to a tractor requires some key materials and steps to ensure it's functioning properly. You will need two steel plates for securing the hydraulic cylinder, two steel bars for support, and a hydraulic pump to power the cylinder. A log splitter blade can also make the splitting process easier and more efficient. Additionally, basic tools like a drill, wrench, and ratchet set are necessary for assembling the log splitter.its time to start the pump and begin splitting logs.When conecting the hydraulic pump, its importint to ensure that all the connections are made correctly and securely.If any of the connctions are loose, it could result in leaks, which can cause dammage to the pump and the tractor.Additionally, its importint to use the rite type of fittings when conecting the hoses and lines to the pump and cylinder.If the wrong type of fittings are used, it could cause dammage to the pump and the cylinder.Finally, its importint to check the pressur gauge on the pump befor starting it.The pressur should be set to the manufacturs specifiction.If the pressur is too high or too low, it could cause dammage to the pump and the cylinder.Once the pressur is set correctly, the pump can be started and the log splitter can begin splitting logs.Tips for Ensuring Proper AlignementWhen constructin a log splitter for a tractor, it is importint to ensure that it is properly alignend.This will help to ensure that the hydraulic cylinder is able to generate enuf power to safely and efectively split logs.To ensure proper alignement, there are a few tips to keep in mind.First, make sure that the two steel plates that are used to attach the hydraulic cylinder to the tractor are placed paralell to each other.This will ensure that the hydraulic cylinder is able to generate the necesary power to split logs.Second, make sure that the two steel bars that are used to provide the necesary support for the log splitter are placed perpendicularly to the two steel plates.This will help to ensure that the log splitter is stable and able to generate the necesary power to split logs.Finally, make sure that the hydraulic pump is placed close to the hydraulic cylinder.This will ensure that the hydraulic cylinder is able to generate the necesary power to split the logs.By following these simple tips, anyone can make sure that their log splitter is properly alignend and able to generate the necesary power to split logs.With the rite materials and a leetle know-how, anyone can construct a log splitter that can be attached to their tractor.With a few simple steps, anyone can have a log splitter attached to their tractor in no time.Testing the Log SplitterTesting the log splitter is an importint step in the proces of making one for your tractor.Doing so will ensure that the splitter is operatin correctly and safley.Before you begin, make sure that all the materials and components have been securedly attahced to the tractor and that the hydraulic cylinder is properly filled with hydraulic fluid.Once these steps have been compleated, you should begin the testing proces by starting your tractor and engaging the log splitter.To do this, you should use a large log that is approximately the same size as the logs you will be splitting.Place the log on the splitting surface, and then engage the hydraulic cylinder.If the log splits correctly, then your log splitter is working correctly.However, if the log does not split, then you should check the hydraulic cylinder for any signs of dammage or leakage.Additionally, you should check to make sure that the hydraulic fluid is not too low or the pressur is too high.If any of these problems are found, then you should take the necesary steps to adjust the pressur or refil the hydraulic fluid.Once you have tested the log splitter and verified that it is working properly, you can move onto the next step of attachin the log splitter to your tractor.Make sure that all the components are securedly attahced and that the hydraulic cylinder is filled with hydraulic fluid.After doin this, you should repeat the testing proces to make sure that the log splitter is working correctly.By following these simple steps, you can ensure that your log splitter is ready to use.Testing the log splitter is an importint step in the proces of making one for your tractor, and it will help to ensure that you are able to safley and efectively split logs.Final ThoughtsMaking a log splitter for a tractor is a grate way to save time and energy when cutting firewood.With the rite materials and a leetle know-how, anyone can construct a log splitter that can be attached to their tractor.Now that you know what materials to use and the steps to attach the hydraulic cylinder, secure the steel plates, install the steel bars, and connect the hydraulic pump, you are well on your way to creating your own log splitter.To ensure proper alignement, be sure to use the tips outlined in the article.Once you have tested your log splitter, you can start splitting logs and enjoy the time and energy savings it brings. You can use our 3pt hitch horizontal log splitter plans to build a tractor mounted wood splitter in your own workshop. These plans include universal instructions for 3-point tractor mounted hydraulic or PTO driven wood splitters. Plans include 3pt hitch plans for category 0, 1, 2, 3, and 4, 3-point hitch systems. Low Low Prices!!! Purchase A Set Of CAD Design 3-pt Log Splitter Plans Today!The three main types of log splitters - manual, electric, and hydraulic - each with its own advantages and uses.Hydraulic Splitters: The Powerhouses of Industrial SettingsThese machines are what you see in industrial settings, handling big, tough logs with ease. If you've got a lot of wood to split, this is what you want.Building a log splitter is a rewarding DIY project that requires attention to detail and a willingness to troubleshoot common issues. To get started, select an engine that suits your splitter's size and the hydraulic pump's specifications, and mount it to the frame securely. Connect the engine to the hydraulic pump, following manufacturer guidelines, and ensure everything is tight and secure before testing the system.Assembling the log splitter involves attaching any remaining components, such as handles or wheels, and performing a safety check to ensure everything is in place. Test the system with a log and watch how it operates, listening for any unusual noises. Remember to take your time and avoid rushing, as this can lead to mistakes.Regular maintenance is crucial to keeping your log splitter running smoothly. Check the hydraulic fluid levels before each use, inspect the hoses and connections, and keep the machine clean after each use. Sharpen the blade regularly to ensure efficient splitting, and store the splitter in a dry, covered area when not in use.Northern Hydraulics is here to support you throughout your DIY log splitter project. Whether you need parts, advice, or custom solutions, our team is always ready to help. We offer an extensive inventory of hydraulic parts and can provide guidance on technical aspects and practical tips to make the process smoother.Building a log splitter may seem like a daunting task, but it doesn't need to be complicated. With some wood, rope, and safety gear, you can create your own log splitter to split logs on your own terms. Our guide will walk you through the process of building a hydraulic log splitter using free plans and instructions.First, gather the necessary tools and parts. You'll need a hydraulic oil tank with enough space for storing hydraulic fluid, a hydraulic pump, an air compressor with an air tank, and a steel plate or angle iron ram that can withstand high impact forces. A hydraulic log splitter is a useful tool for anyone who wants to cut their own firewood.There are many designs available online, including free plans that can be downloaded instantly. These plans allow you to build your own log splitter in less than a day and at a cost of less than $200 in materials. You can also find plans for homemade log splitters powered by tractors or other power sources like gas engines or electric motors.One type of hydraulic log splitter uses hydraulic pressure to force the wedge down into the wood, making it faster and easier to use. The plans for this machine are easy to follow, and you should be able to complete the project in a weekend. This design uses a trailer jack as the power source and can cut through any size log with ease.The key advantages of using a hydraulic log splitter include that they're easy to use, safe to operate, and ideal for commercial applications. There are several types of hydraulic log splitters available, including electric-powered models and gas-powered ones. Each type has its own benefits and drawbacks, but all can be used for residential or commercial applications.A hydraulic log splitter can be a game-changer for those who need wood as fuel for heating their homes daily, reducing the physical strain and effort required for chopping or chainsawing wood.When it comes to building your own hydraulic log splitter, you'll need some essential components, including a wood splitter blade, splitting wedge, hydraulic control valve, hydraulic ram or cylinder, hydraulic pump, hydraulic fluid tank, and an electric motor or power source.To maximize safety and efficiency, consider the power source you choose - electric or gas. Electric splitters are less powerful but perfect for simpler work around the house, while gas-powered units pack a punch but require being tied to a specific location.Before starting your project, decide on the splitter orientation, including whether it will operate vertically or horizontally. A log lift mechanism is also crucial to protect your back from strain and injury.To build your own hydraulic log splitter, start by creating a wedge with pieces of flat metal. Next, attach the cutting head to the platform in line with the hydraulic pump and about 6 inches from the edge, securing it with welds. Ensure the cutting head is sharp but wide enough to split logs efficiently.Properly calibrate the wedge by adjusting its tightness to prevent jamming or twisting during operation. The hydraulic cylinder and ram combo is crucial for log splitting as it pushes the wedge into the wood.Set up the hydraulics: drill mounting holes, bolt the unit securely, attach the control valve if needed, and connect the hydraulic lines from the pump to the ram. Ensure a pressure relief valve for safety, use high-pressure rated pipes, and secure the cylinder at both ends with non-detergent motor oil.To operate the splitter, load logs onto the platform, control the ram using the hydraulic lever, rotate log pieces as needed, and repeat. Prioritize safety during DIY construction, ensuring components are secure and rated for the machine's pressure.Our plans include complete instructions, materials lists, schematics, and online supplier comparison tools. The design features a table with waist-high height, log lift control below table height, and protects the engine and pump from stray logs. Plans also include features such as wedge stops, split hydraulics, enlarged oil reservoirs, large engines, torsion bar suspension, trailer jacks, and hitches.A dual-split log splitter can split more wood per hour than a faster-moving one-way splitter at a safe speed. Our prototype showcases a 13-GPM pump with a 5-inch-bore cylinder producing a 10-second wedge speed, splitting over 10 cords of seasoned maple wood reliably and efficiently.

Making hydraulic log splitter. Log splitter hydraulic tractor. Hydraulic log splitter build.