



TEXAS 820V Log Splitter User Manual

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TEXAS 820V Log Splitter



Product Information

The Power Split series includes three models: Power Split 720 V, Power Split 820 V, and Power Split 830 V. These products are manufactured by Texas A/S, located at Knullen 22, DK-5260 Odense S, Denmark. For more information, you can visit their website at www.texas.dk or contact them via email at post@texas.dk. The current version of the user manual is 23.1.

Product Usage Instructions

Warning Symbols:

- **Dangerous Voltage:** This symbol indicates the presence of dangerous voltage.
- **Keep Away from Moving Machine Parts:** This symbol warns to keep away from moving machine parts to avoid injury.
- **Keep Distance of Persons:** This symbol indicates the need to keep a distance from persons and not allow anyone in the dangerous zone.
- **Unplug Before Servicing or Repair:** This symbol advises to unplug the machine before any servicing or repair.
- **Wear Safety Shoes with Steel Reinforcement:** This symbol reminds users to wear safety shoes with steel reinforcement while operating the machine.
- **Protect Against Humidity:** This symbol recommends protecting the machine against humidity and avoiding exposure to rain or water.

Safety Instructions:

- **Operating by 1 Person Only:** The machine should be operated by one person only.
- **Remove Undesirable Items:** Before working with the machine, remove any undesirable items such as nails and wire.

Maintenance:

- **Electrical Connections:** Follow the provided maintenance instructions for electrical connections.
- **Transport and Storage:** Properly transport and store the machine according to the instructions.









Reclaim and General Conditions:

Normal wear and tear, as well as replacement of worn parts, are not covered by the warranty.

Spare Parts:

For spare parts, visit the Texas website at www.texas.dk. You can also contact your dealer for purchasing spare parts. A list of dealers can be found on the Texas website.

Warning symbols

Symbol				
GB	Dangerous voltage	Warning against hand injuries	Caution! Moving parts of the machine! Danger! Keep away from moving machine parts!	Warning against thrown-off items. Keep distance of persons. Observe to keep out of dangerous zone
Symbol				
GB	WARNING! Read the Operating instructions	Wear eye protective goggles! Wear ear protectors!	Caution! Unplug the machine before any servicing or repair!	Safety gloves to be used!
Symbol				
GB	Wear safety shoes with steel reinforcement!	Protect against humidity. Never expose tool to rain.	To be operated by 1 person only!	Remove all undesirable items, e.g. nails and wire, before working

Congratulations on purchasing your new Power split. Please read this instruction manual carefully, especially the safety warnings marked with the symbol:

Spare parts

Spare part drawings for the specific product can be found on our website www.texas.dk. If you find the part numbers yourself, it will facilitate more rapid service.

For purchase of spare parts, please contact your dealer. You will find a list of dealers on the Texas website.

Identification of symbols

Standard graphic symbols are used on all machines in order to ensure complete safety of all parts of the log splitter. As these symbols are very important, please read below-mentioned information thoroughly.

Special warning when using this log splitter

Using this powerful tool may create special hazards.

Take particular care to safeguard yourself and those around you.

Hydraulic systems.

Never operate this tool if there is a hazard presented by hydraulic fluid. Before using the log splitter, check for hydraulic leaks. Be sure that the tool and your work area is clean and free of oil spills. Hydraulic fluid can create hazards causing you to slip and fall, your hands to slip while using the machine or cause a fire hazard.

Electrical safety.

Never operate this tool if there is an electrical hazard. Never operate a log splitter in wet conditions. Never operate this tool with an improper electric cord or extension cord. Never operate this tool unless you are able to plug it into a properly grounded outlet which supplies power as stated on the type tag and is protected by a 16 Amp circuit switch if you have a machine with a 230 Volt motor and 10 Amp if you have a machine with a 400 Volt motor.

Physical hazards. Log splitting creates special physical hazards. Never operate this tool unless you are wearing proper safety gloves, hard-toed shoes and approved eye protection etc. Watch out for splitters in order to avoid puncture, injury and jamming the tool. Never try to split logs which are too large or small to fit properly within the tool. Never attempt to split logs containing nails, wires or other debris. Clean up as you work, accumulated split wood and wood chips can create a hazardous work environment. Never continue to work in a cluttered work area which may make you slip, trap or fall. Keep onlookers away from the tool and never allow unauthorized persons to operate this tool.

NOTICE. No list of warning can include everything. The operator must use common sense and operate the log splitter in a safe manner.

Safety instructions

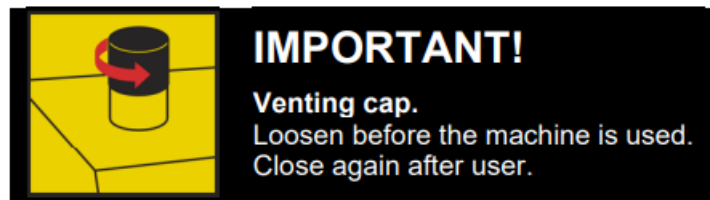
Warning:

As with all machinery there are certain hazards involved with the operation and use. Exercising respect and caution will lessen the risk of personal injury considerably. However, if normal safety precautions are overlooked or ignored it might result in personal injury to the operator or damage of property. The log splitter is a tool which, if used wrongly, can cause serious accidents. It is therefore important that you read and understand the user manual before using the tool, especially the safety warnings marked with the symbol:

- Read and become familiar with the entire user manual. Learn the machine's applications and limitations as well as the specific potential hazards particular to it.
- The log splitter is only intended for splitting logs of wood, if the size corresponds to the recommended indicates: Length 25-50 cm. Diameter 8-35 cm.
- Control damaged parts. Before further use of the machine, a guard or other part that may be damaged shall be inspected to ensure that it will operate properly and perform in its intended function. Check for alignment of the moving parts, breakage of parts, mounting, or any other conditions that may affect its operation. A guard or other parts that are damaged should be properly repaired or replaced.
- Always wear safety gear, eye protection, gloves and work boots when operating the log splitter.
- Wood, unlike most other materials, is very varied and can behave differently when splitting depending on the type of wood, moisture and whether it has many knots and side branches. Most wood is easily cleaved without problems. However, in some cases, the wood can be very hard, and the log splitter must build up extra pressure before the wood splits. This can mean that the wood "jumps" and divides with high pressure. The

same can apply if the tree has many knots.

- Disconnect the machine before servicing it and before replacing any parts such as blades, bits, cutters etc. Keep guards and slide bars in place and in working order.
- Always carry ear protectors/defenders and eye protection/goggles, face protection and working gloves. Always remove adjusting keys/spanners etc. Form habit of checking to ensure that keys and spanners etc. are removed from the machine before turning it on.
- Never use the machine under influence of drugs, alcohol or medication.
- You must never stand on the machine, injury could occur in case of a fall.
- You must never leave the machine running unattended. Always turn the power off. Don't leave the machine until it comes to a complete stop.
- Always remove the plug from the electric outlet when adjusting, changing parts or repairing the machine. Ensure that the electric cable is fully protected and there is no danger of damage of equipment or materials. Always inspect the cable thoroughly before use and replace if any damage is apparent.
- Keep your hands well clear of the log, pusher and wedge at all times. Never touch the moving parts of the machine when the machine is switched on.
- Do not wear any jewelry or loose clothing that could be snagged by the log splitter.



Electric connections

Connect the main lead to a standard electric outlet, which equals the specification listed on the type tag/nameplate.

WARNING!

THIS APPLIANCE MUST HAVE A GROUND CONNECTION

Interference with the electric system, can be dangerous,
always contact a qualified electrician.

Extension leads

- If an extension cable is to be used, always make sure waterproof cables are used and that the connector is kept well clear of any water.
- Since the cable will produce a voltage drop, that will prevent the engine from supplying full power and reduce the machine's function, it is essential that the conductors in the cable conform the following specifications.
- 0-10 meters – diameter of conductor – 1,5 mm².
- Log splitters with 230 and 400 volts requires a minimum of 16 amperes
- If any doubts please consult a qualified electrician. Do not attempt any electrical repairs yourself.

Making the log splitter ready

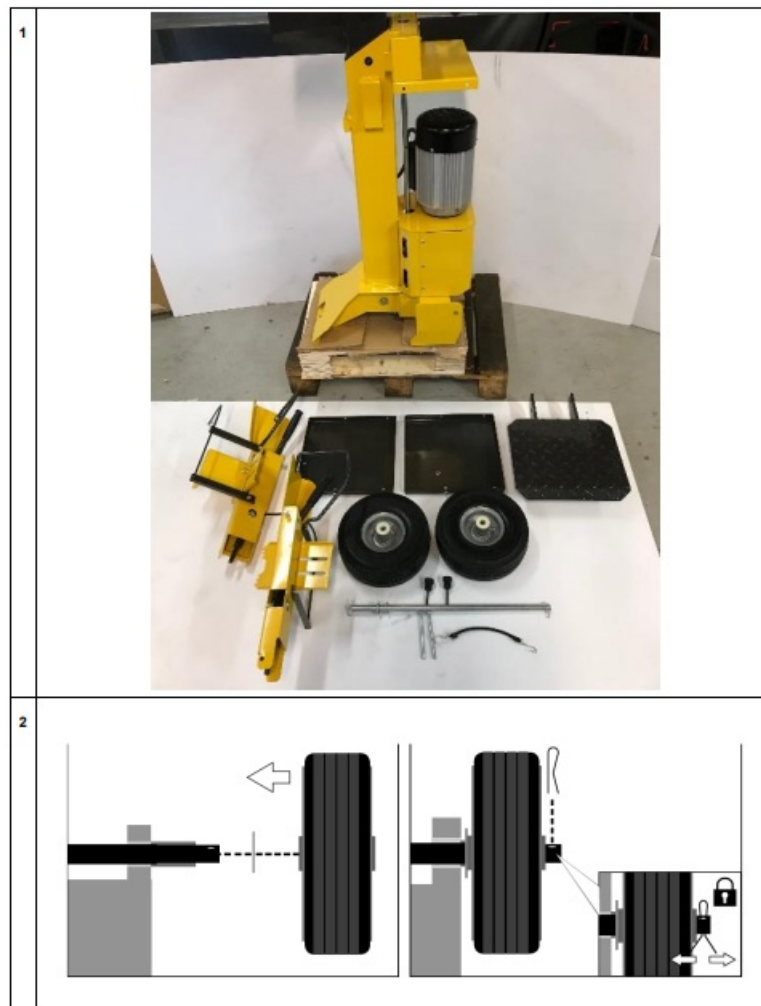
- Picture 1. Remove the log splitter from its packaging and lubricate the head.

- Picture 2. Mount the wheels on the rod with the flange facing inwards. Then insert the locking pin.
- Picture 3. Mount the arms on each side and insert the locking bolt. Secure these with the locking pins.
- Picture 4. IMPORTANT: Remove the oil cap used during transport and replace it with the supplied oil cap with the dipstick.
- Picture 5. Attach the side trays on both sides.
- Picture 6. Place the splitting plate into the bracket and fasten it with the bolt and locking nut.
- Picture 7. When transporting the product, use the supplied elastic band to fasten the arms.
- Picture 8. Unfold the arms to the sides, to be able to place a log on the splitting plate.
- Picture 9. Power on the product using the power-inlet on the side and push the green button. The product is now ready to use.

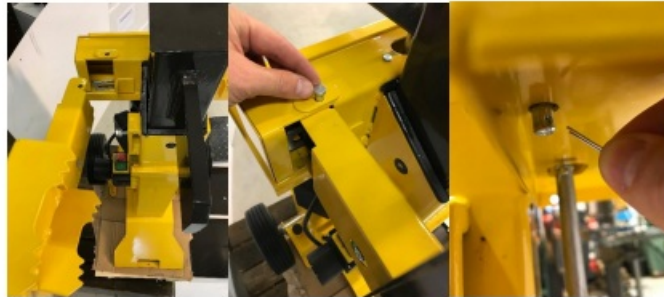
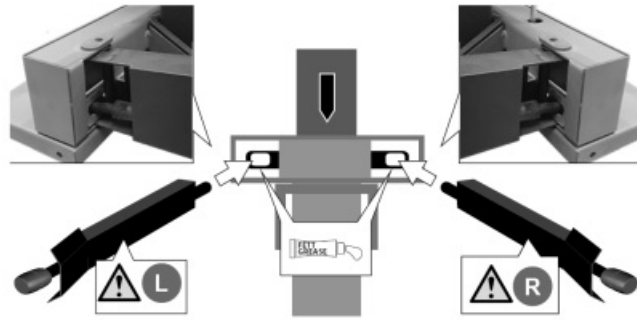
When the safety button is pressed down, the machine stops. Picture 10

Turning the phase (Only 400V)

If the engine powers on, but the piston won't retract, the fault could be wrong power phases. To turn it, use a flatheaded screwdriver push it into the slit and turn it 180 degrees. Picture 11



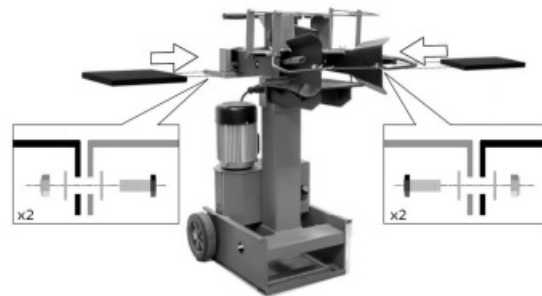
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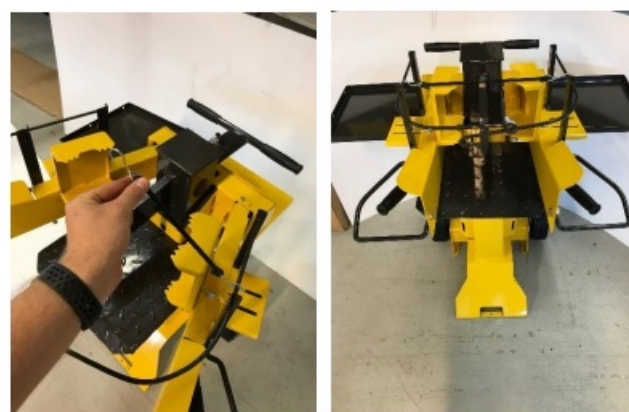
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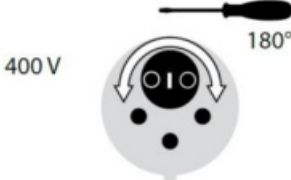



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11	
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Starting and maintenance

- Lubricate with some oil in the piston tunnel on all 4 sides.
- Lubrication shall be repeated after every 4 cubic meters.
- Also remember to inspect the oil level in the tank.

Use of log fixture

On both control handles is a log fixture device which can be held against the wood. In addition to keeping the wood clamped, it can also be used as a counter-holder for clamped wood.



Removal of pinched wood

If a piece of wood gets stuck on the wedge, remove it as instructed below:

1. If the wood is loosely fastened around the wedge, the wooden holder can be used to counter hold when the wood is pulled up by the wedge.
2. If the wood is very stuck: Move the wedge up so that the piece of wood is approximately 5-10 cm above the base plate and release the control handles
3. Take a heavy tool with a handle, e.g. a large hammer or ax (the back of the head) or just a larger piece of wood and hit it on the wood that is pinched around the wedge. Make sure to keep a good distance with your feet so that they are not hit by the falling wood.
4. Turn the piece of wood over and split it again from the opposite side until the wood is completely split.

WARNING: Only the user of the log splitter may loosen a pinched piece of wood. Other people must not help as it can result in dangerous situations.

Oil

The oil level is checked by the means of the oil dipstick. The oil level has to be in between the two marks.
Oil type for supplement: hydraulic oil.

Recommended hydraulic oil

We recommend the following oil to the hydraulic cylinder (Oil is refilled on delivery!): Texamatic 7045, viscosity 33,8. Art. no. 90306479.
Or oil with corresponding viscosity

Operation

The log splitter may only be used by one person!

Recommended size of logs to be split

Recommended size of logs are diameters from 8 to 35 cm. The diameter of the log is only indicative. A small piece of wood can be difficult to split if it has knots or if its fibres are very tough. A larger piece of wood can be split if its fibres are smooth and loose.

Never force the log splitter to split more than 5 seconds with the cylinder under pressure in order to split excessively hard wood. Overheated oil under pressure may damage the machine. It is very important that if the log splitter does not split in the first attempt, please stop the machine and rotate the log 90 degrees. If the wood still cannot be split, it means that the hardness of the wood exceeds the capacity of the machine and it must be

rejected in order not to damage the log splitter. When splitting both handles shall be used as shown on picture. Variable splitting length from 25-50 cm. Height is adjusted by pushing down both handles (vertically) to the requested size of wood. Here you let go of one of the handles. Loosen the knurled nut (shown) and the bar indicating the height is pulled up and the knurled nut is refastened (shown). Picture 12

Transport

Transport the machine while the log splitter is in a horizontal position.
The strap can fasten the handles during transport.

Storage

The log splitter is to be stored in a vertical position.

PLEASE READ THE FOLLOWING CAREFULLY

ALL REPAIRS AND REPLACEMENTS MUST BE CARRIED OUT BY AN AUTHORIZED DEALER AND NOT BY THE PURCHASER. THE PURCHASER ASSUMES ALL RISKS AND LIABILITIES ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT OF PARTS THERETO OR INSTALLATION OF THESE.

Due to continued product development Texas A/S reserves the right to improve the product without improving already sold models.

Warranty terms and conditions

The warranty period is 2 years for private end users in EU countries.
Products sold for commercial use, only have a warranty period of 1 year.
The warranty covers material and/or fabrication faults.

Restrictions and requirements

Normal wear and replacement of wearing parts are NOT covered by the warranty.
Wearing parts, which are NOT covered for more than 12 months.
The warranty does NOT cover damages/faults caused by:

- Lack of service and maintenance
- Structural changes
- Exposure to unusual external conditions
- Damages to the bodywork, deck, handles, panels etc.
- If the machine has been improperly used or overloaded
- Use of unoriginal spare parts.
- Other conditions where Texas cannot be held responsible.

Whether a case is a warranty claim or not is determined in each case by an authorized service center.
Your receipt is your warranty note, why it should always be kept safe.

REMEMBER: The purchase of spare parts as well as any request for warranty repair, art. no. (e.g. 90052XXX), year and serial number should always be informed. It can be found on the CE-label on the machine!

* We reserve the right to change the conditions and accept no liability for any misprints

Specifications

	Power Split 720 V	Power Split 820 V	Power Split 830 V
Effect	3500 Watt / 230 Volt	3500 Watt / 230 Volt	3000 Watt / 400 Volt
Hydraulic oil	Texaco Texamatic 7045E	Texaco Texamatic 7045E	Texaco Texamatic 7045E
Capacity	7 ton	8 ton	8 ton
Working length	25-50 cm	25-50 cm	25-50 cm
Working direction	Vertical	Vertical	Vertical
Weight	108 kg	108 kg	105 kg

Troubleshooting


If problems arise while using your log splitter, we recommend that you read the trouble shooting part. If the process is carried out by an unauthorized person the warranty is not valid and the manufacturer will not be responsible for any damages on persons, animals or objects.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The log will not be split	<p>The log has been placed incorrectly The log exceeds the approved dimensions, or the log is too hard for the logs ability.</p> <p>The wedge does not split The oil leaks</p> <p>The hydraulic pressure is too low</p>	<p>Place the log correctly</p> <p>Split a smaller piece or use other remedies to reduce the size of the log.</p> <p>Sharpen the wedge and inspect for burrs and nicks</p> <p>Locate the leakage by using a piece of paper, contact your dealer</p> <p>Contact your dealer</p>
The log pusher advances jerkily or with strong vibrations	Air in the circuit	<p>Inspect the oil level. Fill up if necessary. If</p> <p>the problem continues, contact your dealer</p>
Oil leaks from the ram or from other external points	<p>Leakage in the tank</p> <p>The oil seal is worn</p>	<p>Check that the bleed screw has been tightened before moving the machine (fig. 6)</p> <p>Contact your dealer</p>

Documents / Resources

[illegible]

References

- [Salg af havemaskiner - Texas A/S](#)
-  [Salg af havemaskiner - Texas A/S](#)