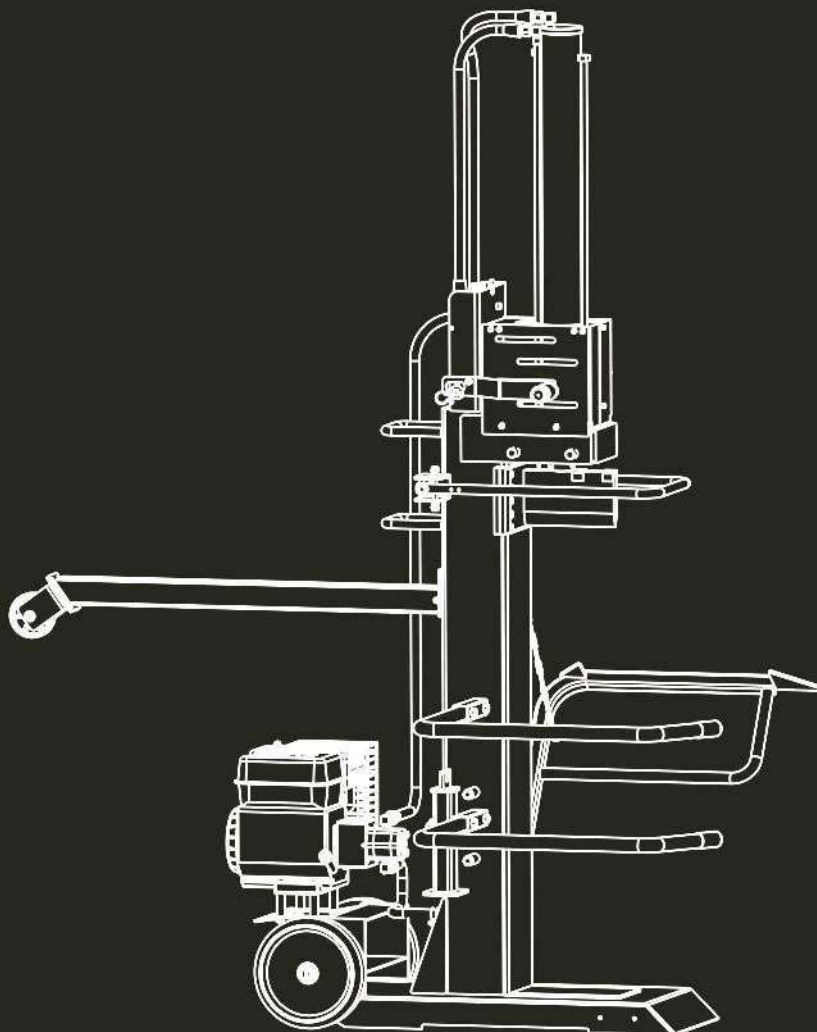


**HYUNDAI**  
POWER PRODUCTS

# PETROL LOG SPLITTER

**HFBT10T105**

**ORIGINAL INSTRUCTIONS**



**CAUTION:** Read the instruction handbook thoroughly before using the machine!

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# 1. SAFETY INSTRUCTIONS

Do not install, repair, clean or handle the log splitter when the machine is still running and without having securely clamped the wedge.

Severe personal injury or machine damages can result from not complying with operation, assembly, maintenance and repair instructions contained in this manual.

Allow only adults to operate/maintain the log splitter after they have received sufficient training and have made themselves familiar with the machine.

Make sure that full compliance is assured at all times with the general safety and health rules on the workplace as well as the applicable local traffic rules.

No one under the age of 18 should be allowed to operate the log splitter. However, young people in age of 16 or slightly more may work on the machine providing that they received adequate training, they carry all due personal protection safeties and that an adult supervisor keeps standing nearby.

The machine shall not be used by children. Operator must receive necessary training and instruction before handling the tool.

Wear suitable personal protective equipment (PPE), including safety footwear close fitting clothing and suitable work gloves, eye protection and hearing protection.

The splitting operation of the machine is designed to be activated by one person. While there is the possibility that additional operators could be working with the machine (e.g. for loading and unloading), only one operator should activate splitting operations.

Test the machine's safety devices before using the tool. If safety devices do not work properly, do not use the tool and bring it to a qualified technician for inspection and reparation.

Before starting work, hydraulic pipes and hoses shall be inspected and the stopping devices shall be tested.

The working area shall be free from obstructions; before installation and operation, clear the working area. Keep the working area free from obstructions, e.g. logs, split wood, etc.

Stop the machine and disconnect it from the power source before cleaning or making adjustments.

Do not leave the machine unattended when running.

The hazards may arise from particular characteristics of wood when being split (e.g. knots, logs of irregular shape etc.).

Do not reach into the splitting zone.

Nobody must be allowed to use the log splitter unless they have read the instruction manual and have been instructed in the regulations to follow for correct and safe use.

The log splitter must never be used by an operator who is under the influence of alcohol, drugs, medicines, or who is tired. A clear mind is essential for safety.

Check on the functioning of the machine.

Machine instability can result in injury or severe damages,

To ensure stability during operation make sure to choose a flat, dry floor free from any tall grass, brush or other interferences.

To avoid tripping, do not leave tools, logs, or other components laying around in the work area. Avoid slippery floor conditions by eventually scattering saw dust or wood pellets.

## **Following precautions must be taken at all times**

**-NEVER** use your log splitter at night or without sufficient illumination.

**-NEVER** operate your log splitter on slippery, wet, muddy, or icy surfaces.

- NEVER** let electrical works be carried out by unskilled staff.
- NEVER** operate the machine without wearing protective shoes, tight-fitting gloves and apparels.
- NEVER** remove the safety tools and devices mounted on your log splitter.

Make sure to select a suitable place with sufficient clearance for proper operation of the machine as well as or safe handling of the split logs and eventual ancillary tools and equipment.

### **1) Mandatory use and application**

The log splitter is strictly designed for one-man operation. Never allow more than one person approach and work on the machine at the same time.

This splitter is conceived for splitter short and long logs for firewood preparation only.

When placing the log on the log splitter, please make sure that the chunk rests entirely and safely on the base plate of the machine.

**BEWARE: this unit has a log capacity of min 70 mm and max 400 mm diameter.**

**Danger! Keep clear of moving parts!**

### **2) APPLICATION CONDITIONS**

This log splitter is designed for operating under ambient temperatures between +5°C and 40°C and for installation at altitudes no more than 1000m above M.S.L. The surrounding humidity should less than 50% at 40°C. It can be stored or transported under ambient temperatures between -25°C and 55°C.

**3) Never dismantle and reassemble the log splitter by yourself unless you are a professional engineer. Otherwise, the self-assembling may lead to some dangers as below:**

- (1) Oil leak.
- (2) No pressure.
- (3) Engine & pump damage.
- (4) Pressure is too big for cylinder endurance etc.

### **INTENDED USE**

The machine conforms to the current **EC Machinery Directive**.

- The machine may be used only in the “standing mode”, logs may be splited only in an upright state and along the log direction. The dimensions of the log to be split:  
Short logs: 30cm  
Long logs: 1060mm
- Never split the log when it is lying down or across the log direction.
- The safety, work and maintenance instructions of the manufacturer as well as the dimensions indicated in the technical data must be followed.
- The relevant accident prevention regulations and other generally accepted safety rules must be followed.
- The machine may be used, serviced or repaired only by people who are familiar with it and are instructed about the hazards.
- Independent modifications to the machine exclude liability of the manufacturer for resulting damage.
- The machine may be used only with original accessories and tools of the manufacturer.
- Any other use is considered improper. The manufacturer does not assume liability for resulting damage; the associated risk is solely borne by the plant operator.

## RESIDUAL RISKS

The machine is built according to the current state of technology and generally recognized safety standards. However, individual residual risks may occur when working with the machine.

Risk of injury to fingers and hands from the cleaver blade, in the event of improper guidance or support of the wood.

Risk of injury from the ejection of the work piece, in the event of inappropriate support or guide.

Furthermore, unapparent risks may remain, despite of all the measures taken.

Residual risks can be minimized, if the safety instructions, the proper use and the operating instructions are observed.

## TRANSPORT/STORAGE

Before handing, moving or transporting the splitter make sure to cut the power off.

Transport with forklift trucks/lifting cars:

Before delivery, the machine should be secured with steel tapes and securely mounted on a pallet.

The machine is protected by a plastic sheet. To lift it off the pallet, several persons or technical resources are required.

Note: the center of gravity of the log splitter is high-risk of tripping over!

### Transport by crane:

For transport using the hook, the crane lifting eye is on the upper part of the machine should be used. Never lift on the splitter blade!

At ambient temperatures is below 5°C, the machine should run at idle for about 5 minutes, so that the hydraulic system reaches the operating temperature.







Prepare the workplace where you want to install the machine. Create enough space for safe, trouble-free working.







The machine is high and very heavy, so while transport must need at least 2 persons.

(see Fig.9)

The machine is designed to work on flat surfaces and must be erected on a level, solid base.

## Symbols

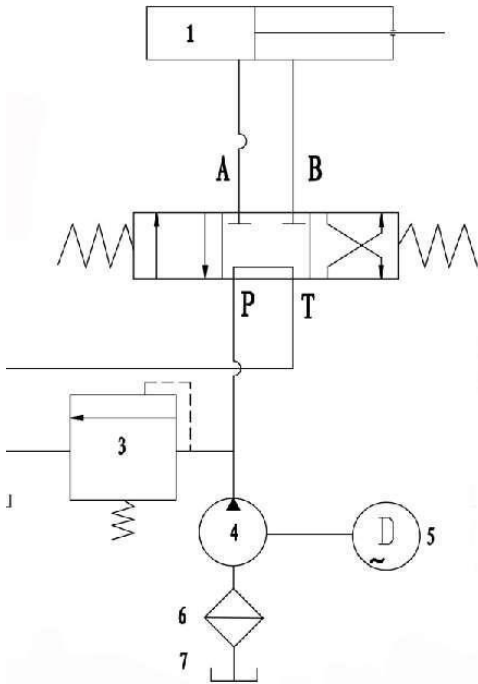
	Read manual before operation
	Use safety footwear
	Use work gloves
	Wear eye protection
	Use hearing protection
	No trespassing

	No smoking in the working area
	Only the operator may stand within the operating range of the machine. Keep non-involved persons, as well as domestic and farm animals, out of the hazard area (minimum distance: 5m)
	Keep your work space tidy! Untidiness can lead to accidents
	Only the operator may stand within the operating range of the machine.
	Do not remove jammed trunks with your hands.
	Danger of bruising and injury from sharp edges; never touch danger areas when the cleaver is moving.

## SPECIFICATIONS

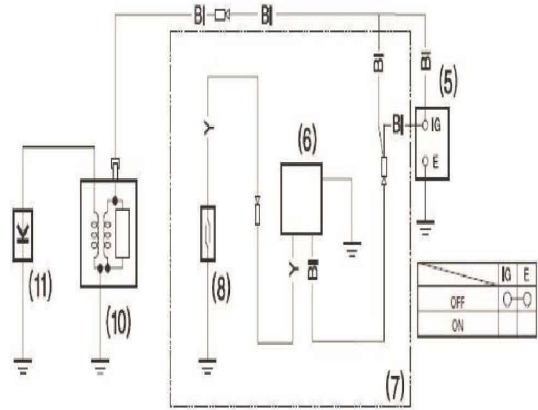
Model		HFBT10T105
Engine		196cm <sup>3</sup> , 4800W/3600min <sup>-1</sup> , 4-stroke petrol engine Recoil Starter
Fuel capacity		3 L
Log Capacity	Diameter	70 - 400mm
	Length	1060mm
Splitting Force		10T
Hydraulic Pressure		22 Mpa
Hydraulic Oil Capacity		15 L
Height of the highest cylinder		1430mm
Weight		178 kg
Working speed		10 ± 0.5 cm/s
Overall Size	Length	1260mm
	Width	1020mm
	Height	2360mm
Return speed		7 ± 0.5cm/s
Noise values		LwA= 99dB(A)

Hydraulic diagram



Wire diagram

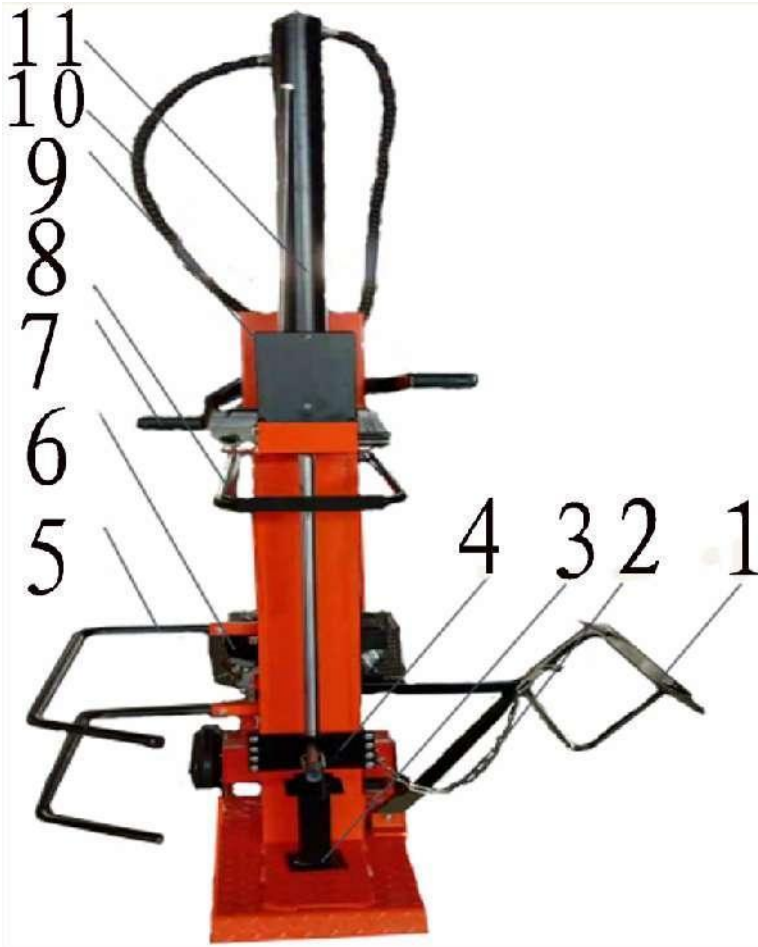
With Oil Alert and Without Electric Starter



- (1) CONTROL BOX
- (2) RECTIFIER
- (3) FUSE
- (4) CIRCUIT BREAKER
- (5) ENGINE SWITCH
- (6) OIL ALERT UNIT
- (7) Type with Oil Alert unit
- (8) OIL LEVEL SWITCH
- (9) CHARGING COIL
- (10) IGNITION COIL
- (11) SPARK PLUG
- (12) STARTER MOTOR
- (13) STARTER SOLENOID
- (14) BATTERY (12 V)

Bl	Black	Br	Brown
Y	Yellow	O	Orange
Bu	Blue	Lb	Light blue
G	Green	Lg	Light green
R	Red	P	Pink
W	White	Gr	Gray

## 2. DESCRIPTION





- 1) Lifting device;
- 2) Chain;
- 3) Cylinder fixing part;
- 4) Splitting knife;
- 5) Side retaining arm;
- 6) Gasoline engine;
- 7) Operation lever;
- 8) U-type return bracket;
- 9) Protection cover;
- 10) Hydraulic hose;
- 11) Cylinder;
- 12) Output hydraulic hose;
- 13) Hydraulic pump;
- 14) Wheel;
- 15) Axle;
- 16) Fuel tank;
- 17) Lgnition switch.

### 3. ASSEMBLY

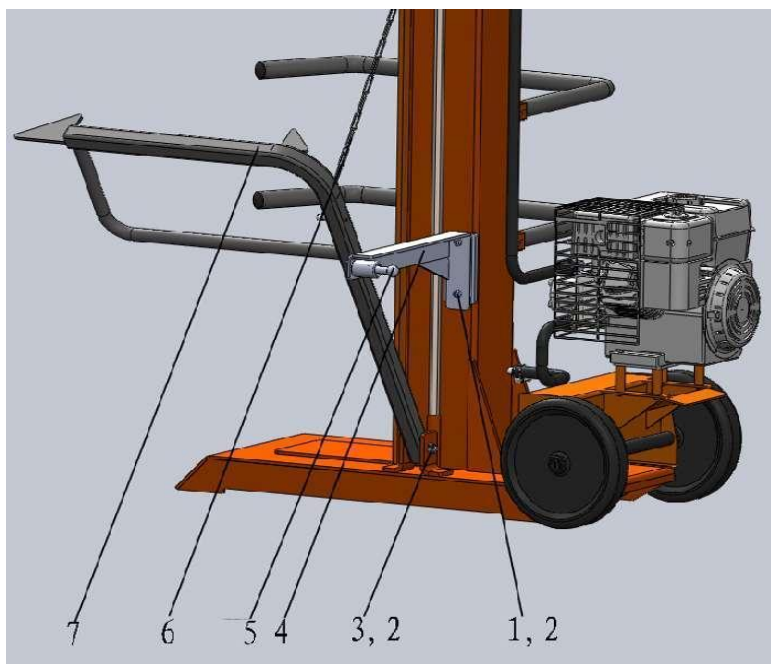


Fig1

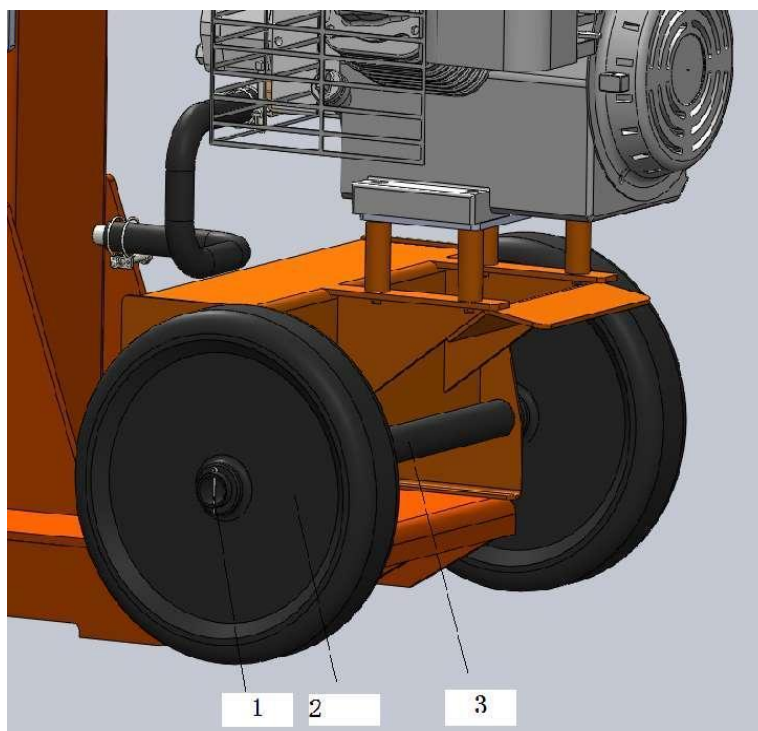


Fig2



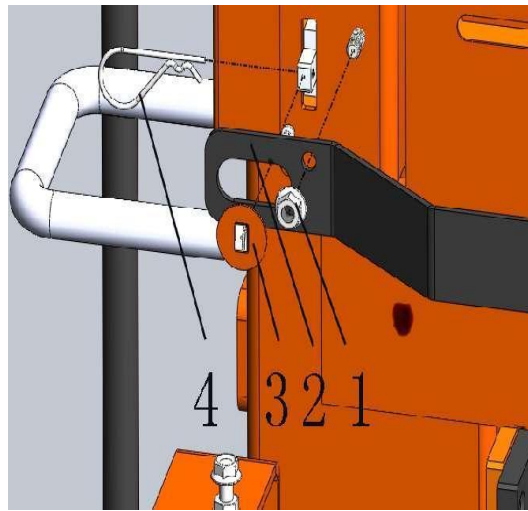


Fig3

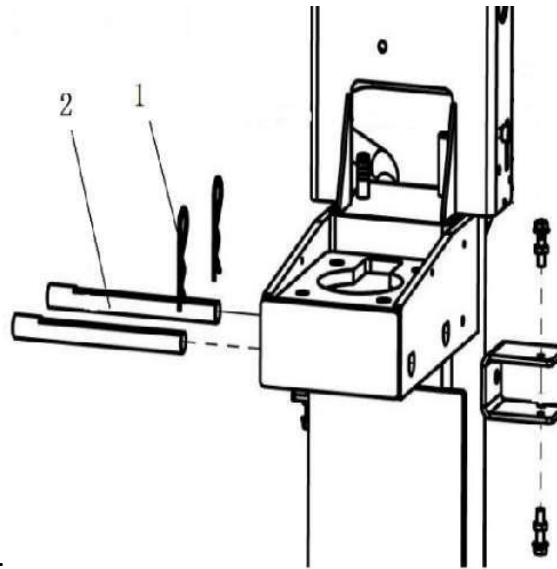


Fig4

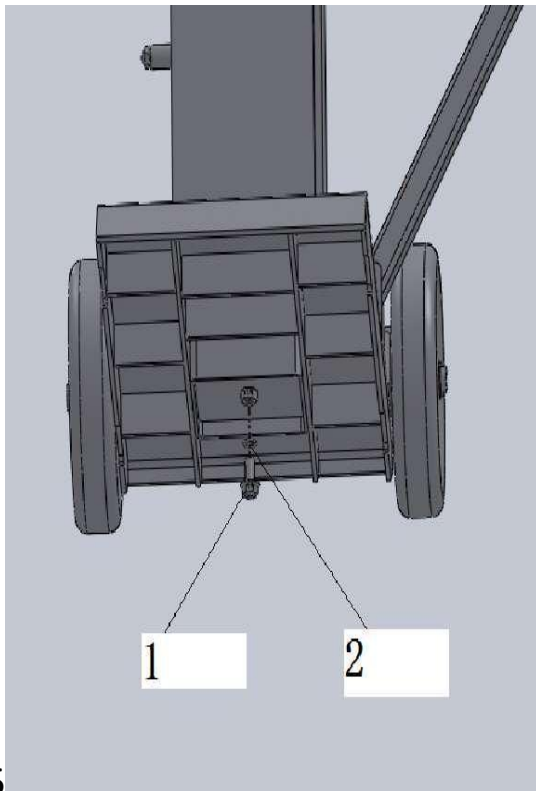


Fig.5

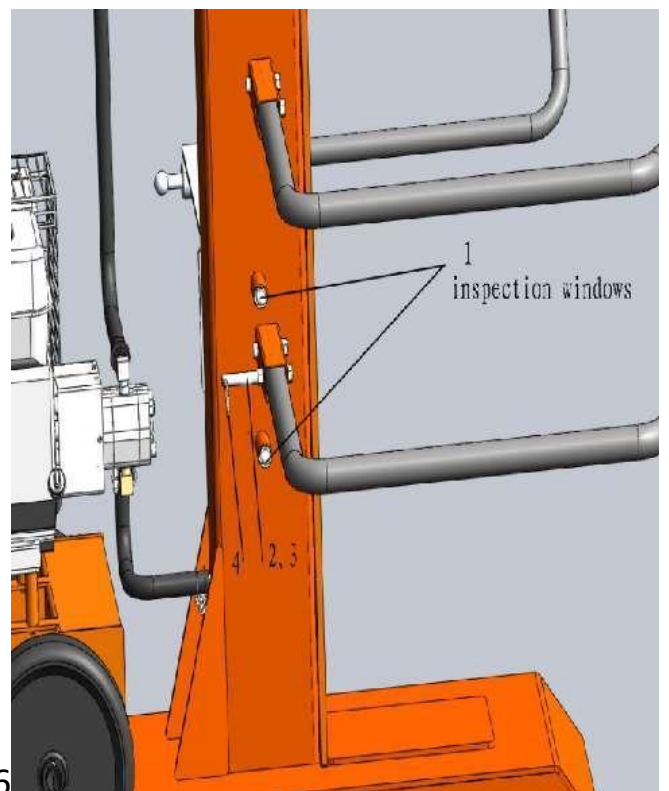


Fig.6

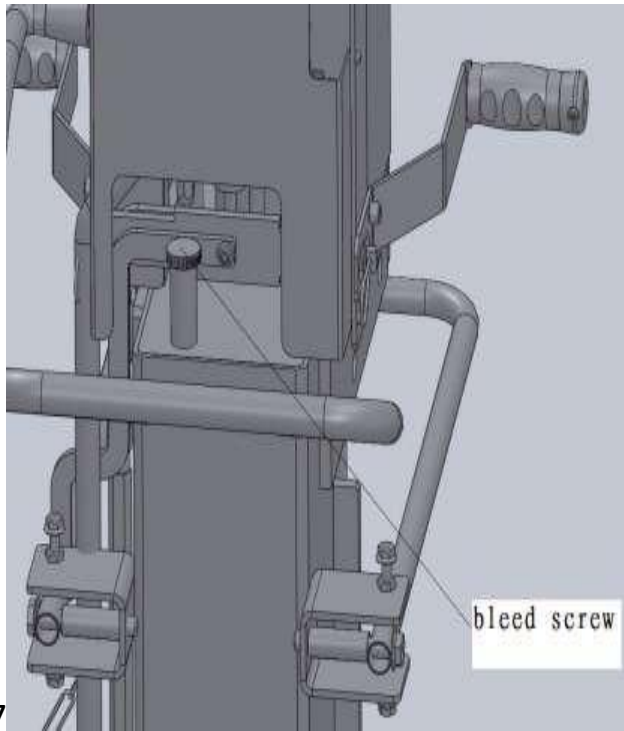


Fig.7

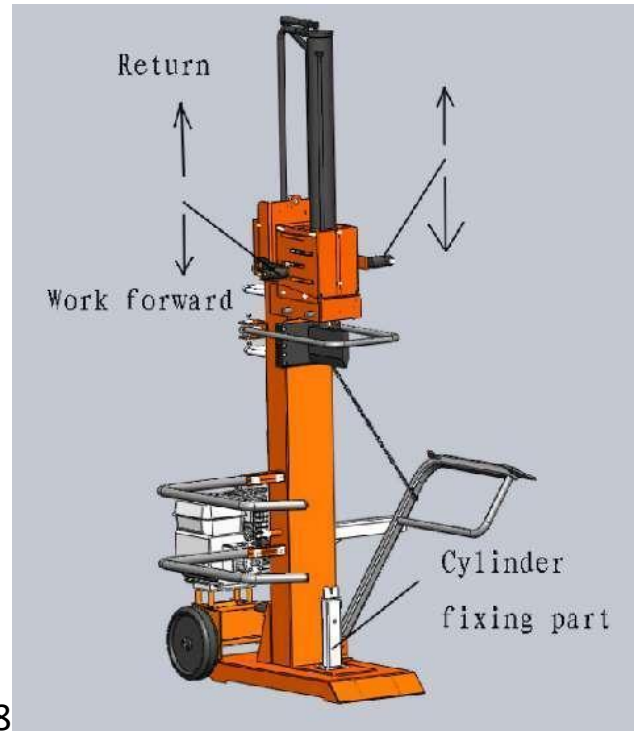


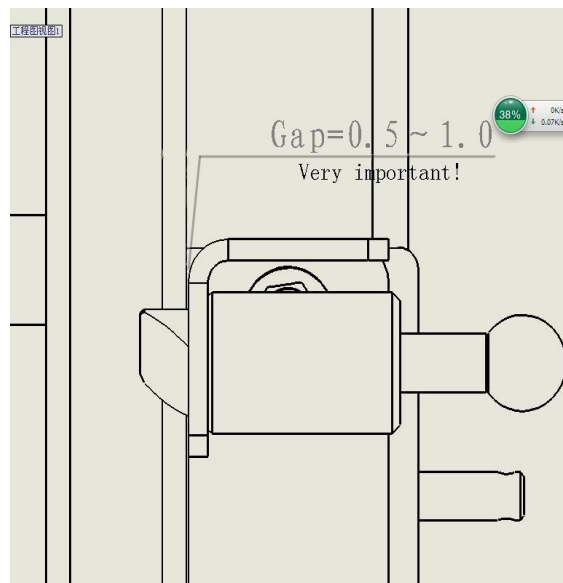
Fig.8



Fig9

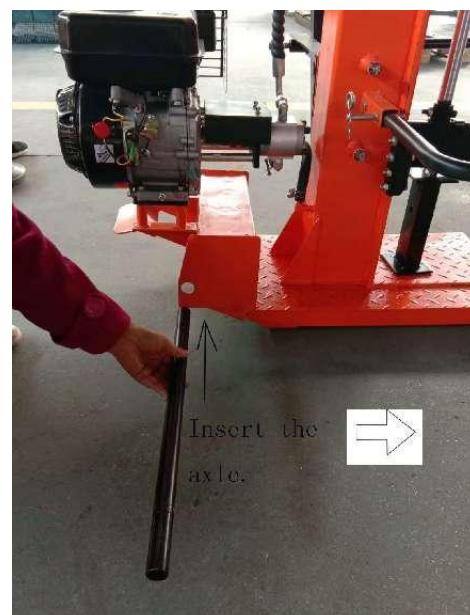
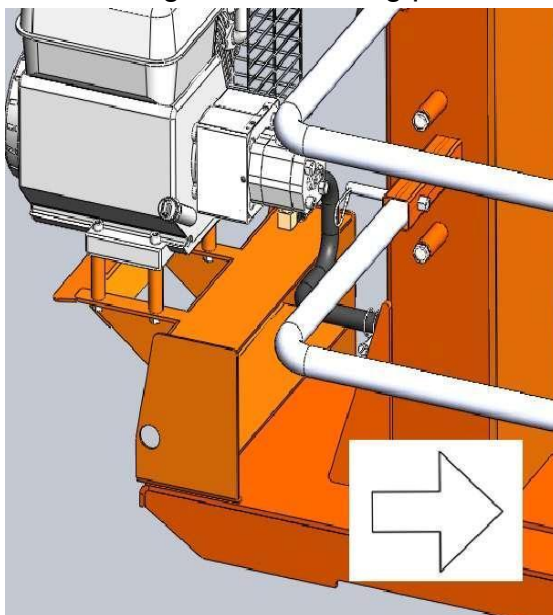
### Mount the lifting device Fig.1

With 1 hexagonal bolt M10X55 and one M10 nut (spare parts 3,2) to connect the lifting device (spare part 7), then with 2 hexagonal bolts M10x 25 and two nuts M10 (spare part1,2) to fix the support of the lifting device (spare part 4), and adjust the gap between the lifting device and the support (gap=0.5~1.0). finally connect the chain (spare part 6).



### Mount the wheel and axle Fig.2

Place an axle (part 3) on the splitter through the hole of the base pallet.  
Assemble two wheels (part 2) on both sides of the axle and lock it with two cotter pins (part 3).  
For reference, according to the following pictures.







### Assemble the control handle Fig.3

Because of packing reasons you must assemble two control handles yourself. You can see Fig 3, and mount the two handles. (with tool: 13-15 wrench)

Part 1---- hexagonal nut M8,

Part 2---- handle

Part 3--- stop collar

Part 4--- R pin.

Because of packing reasons you must mount two control handles yourself. You can see it on the mounted control handle and at picture Fig.3, According to the following steps:



### Mount the Side retaining arm Fig.6

Mount the two side retaining arms with 3 hexagonal bolts M10\*45+1 special bolt (part 2) and 4 nuts M10 (part 3), (with tool:17-19 wrench).

another useful of the special bolt (part 2) is connecting the fixing part of the cylinder, and secure it with a R-pin (part 4).

For reference, can see the following pictures.



## 4. OPERATION

### Working notes

Bring the log splitter to working position. Fig.4

Because of packing reasons the cylinder was descended in the lowest position, so after the engine is running, the cylinder must raise to working position.

Press two operation handles downward until the cylinder raise to the top of the machine, then insert two shafts (2) into the holes of the machine, and lock with two R-pins (1) to secure the cylinder on the machine.

For reference pls according to the following steps:







### Caution!

Before delivery, while packing or transport, the cylinder must be descended from top position to the lowest position, and fixed in the fixing part of the cylinder (Fig.9 cylinder fixing part).

According to the followings:

Press the two operation handles downwards, the riving knife begins to work forward ,until to the cylinder fixing part, release one operation handle, pull out two R-pins and two shafts, then operate the two operation handles upward, the cylinder begin to descend, till to the proper position, release two operation handles, stop the machine, and put two shafts, two R-pins into the Accessories bag, finally, remove the cylinder fixing part and insert it into long bolt then lock it with R-pin.

### SPLITTING

- Place the log on the log splitter table, hold the log firmly with the two control handles, press both operating handles down simultaneously. Once the cleaver blade penetrates into the log, push the handles outward with simultaneous pressure downward. This prevents pressure from being exerted on the retaining plates.
- Only cleave logs that are sawed straight off.
- Cleave the logs vertically.
- Never split horizontally or crosswise.
- Wear safety gloves when cleaving the logs.

### Start-up

Before the first use, make sure that the log splitter is in good conditions and that no visual damages are there.

Check all hydraulic hoses, fittings and coupling and to detect and repair eventual oil leaks.

Make sure that all safeties and protections are duly assembled on the machine. Do not attempt to remove or by pass these safeties!

Make sure the that the log splitter will not be damaged or made unsafe by any operation, lubrication, maintenance, or repair procedures that you choose. Should any trouble or unusual behavior be detected, do not start splitting wood until these have been fixed.

Before working the machine, please release the bleed screw so that the air can escape from the oil tank.

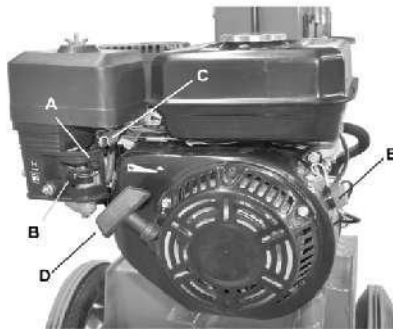
Leave the bleed screw open during the operation.

Before you move the machine, close the bleed screw again in order not to lose any oil.

Refueling, see p4. part 16 (fuel tank)

Fill only with clean fuel with a minimum of 90 octane and a maximum of 5% of bio-ethanol in the fuel tank (p4. part 16). With the help of the fuel gauge, you can check the level of fuel in the tank comfortably even during operation.

Start the engine, see the following picture.



Follow the procedures below for a cold start:

1. Open the fuel valve (B) to the right in the opening position.
2. Turn the choke lever (A) on the engine to fully activated position to the left.
3. Move the throttle lever (C) on a semi-open position.
4. Turn the engine switch (E) to ON.
5. Pull slowly several times the reverse starter handle (D) so that the fuel flows into the Carburettor. Then hold the reverse starter handle (D) and pull the cable out slightly until you feel resistance. Then pull the cable in a quick motion and let the cable rewind slowly again. Do not allow the cable to snap back. Tighten if necessary, the reverse starter handle (D) repeatedly until the engine starts.
6. Let the engine warm up for a few seconds. Then gradually move the choke lever (A) to the right in the "OPEN" position.

The restart of an engine that is already hot from the previous operation usually does not require use of the choke.

1. Open the fuel valve (B) to the right in the opening position.
2. Move the throttle lever (C) on a semi-open position.
3. Turn the engine switch (E) to ON.
4. Then hold the reverse starter handle (D) and pull the cable out slightly until you feel resistance. Then pull the reverse starter handle (D) in one swift movement and leave the cable to wrap back slowly. Do not allow the reverse starter handle (D) to snap back.

After the engine starts, move the throttle lever (C) to full throttle position, so that the splitter can achieve its maximum working force.

### **FREEING A JAMMED LOG**

- Release both controls.
- After the log pusher moves back and completely stops at its starting position, insert a wedge wood under the jammed log.
- Start the log splitter to push the wedge wood to go completely under the jammed one.
- Repeat above procedure with sharper slope wedge woods until the log is completely freed.

### **Warning:**

Do not remove jammed logs with you hands.



- Do not try to knock the jammed log off, knocking will damage the machine or may launch the log and cause accident.
- Never use another people to help you with freeing jammed log.

**End of work**

- Move the riving knife to the lower position
- Release the operation lever;
- Turn off the machine by turning the ignition switch (E) to off.
- Close the fuel valve (B)
- Close the bleed screw

Functional test

Before each use, perform a function test.

action	result
Press both handles downwards	The riving knife goes down till to 18cm above the base plate.
Press return bracket or both handles upwards	The riving knife return to selected upper position.
Release both handles	The riving knife remains in the selected position.

**Bring the log splitter to working position. Fig.4**

Because of packing reasons the cylinder was descended in the lowest position, so after the engine is run, the cylinder must raise to working position.

Press two operation handles downward until the cylinder raise to the top of the machine, then insert two shafts (2) into the holes of the machine, and lock with two R-pins (1) to secure the cylinder on the machine.

**Caution!**

Before delivery, while packing, the cylinder must be descended from top position to the lowest position, and fixed in the fixing part of the cylinder (Fig.8 cylinder fixing part).

According to the followings:

Press the two operation handles downward, the riving knife begins to work forward, until to the cylinder fixing part, release one operation handle, pull out two R-pins and two shafts (see Fig.4), then operate the two operation handles upward, the cylinder begin to descend, till to the proper position, release two operation handles, stop the machine, and put two shafts、two R-pins into the accessories bag.

**5. MAINTENANCE**

**Do not install, repair, clean or handle the log splitter when the machine is still running and without having securely clamped the wedge.**

**All protective and safety devices must be immediately replaced after repair and maintenance work.**

**Cleaver blade**

The cleaver blade is a wearing part that should be reground or replaced with a new blade, as required.

Regularly check if the cutting edge of the chopping machine is dull. If it is dull, it needs to be ground or replaced.

## **Two-hand guard**

The combined clamping and control device must remain smooth running. Lubricate occasionally with a few drops of oil.

## **Moving parts**

Keep the cleaver blade guides clean. (Dirt, wood chips, barks, etc.)

Lubricate the slide rails with oil spray or lubricating grease

Check the hydraulic oil level.

Check hydraulic fittings and connections for leaks and wear. If necessary, tighten the bolted connections.

## **Splitter blade**

The splitter blade must be slightly lubricated before commissioning.

This procedure must be repeated after every 5 hours use. Lightly apply grease or spray oil.

The blade must not run dry.

## **Daily maintenance**

Make maintenance regular part of daily operation. The daily maintenance routine needs to include

- Cleaning of the machine and cleaning of all parts from residual wood debris, chips, dust, bark pieces and eventual other waster.
- Hydraulic oil check and (in case of leakage) hydraulic hose and fittings check-up to detect eventual oil leaks
- Lubrication of all moving parts

## **Hydraulic oil**

Periodically check the oil level inside the hydraulic oil tank. When doing so, accurately avoid contaminating the tank with dirt, wood chips, saw dust etc...

Make sure that the splitter never runs without oil or with low oil level. When this happens, air is likely to reach inside the hydraulic loop. Failure to maintain due oil or level may cause poor running and irregular splitter operation (very rough, back/forth or up/down motions) as well as major pump damages.

Please schedule your first oil change after approximately 25-30 operation hours and later ones after each 50 operation hours or once a year.

The oil drain plug is location on the bottom tank side while the filler cap is on the top of the machine (see Fig .5).

The hydraulic system is a closed system with oil tank, oil pump and control valve. Check oil level regularly in inspection glass. Low oil levels can damage the oil pump. Oil Level should measure approx. 1-2cm lower than the lower surface of the oil tank.

The oil should be completely changed once a year.

- Make sure moving parts stops .
- Make sure that no dirt or debris finds its way into the oil tank.
- Collect used oil and responsibly recycle.
- Following an oil change, activate the log splitter a few times without actually splitting.

Recommended oil type: DEA HD B46, Shell Tellus 10-46, Esso Nuto H 46

When changing the oil, never let used oil drop down on the ground, rather collect whole of it in a seated container for due disposal. Oil disposal container should be of at least 15 liter capacity if you are using smaller container make sure to drain the more than one round to avoid spilling old oil out

on the ground.

Treat the disposal matters in accordance with local rules.

After refilling the tank with new oil, let the splitter cycle three or four times and let the air blow out of the hydraulic loop before closing the bleed screw.

Make a trial test before starting to work again. The noisy knock should disappear after greasing.

Should you detect an unusually large gap between the riving knife and the guide, sliding pads are likely to be worn out, if so replace them with brand new ones.

### **Risk factors**

The special two-hands control mechanisms minimizes risks and dangers related to moving parts on the machine.

An additional safety provided on the machine in order to prevent working with only one handle while the other one is being engaged (held down) by some mechanical tool or system.

**DO NOT EVER ATTEMPT** to remove or by-pass the two-hand control

**Danger:** operating the splitter without the safety two-hand control will increase your risk of having your hands pinched during the splitting cycle.

Do not remove any other safety and protection device the machine.

**WARNING:** splitting without due safety devices might result into serious injures to the operator or the other person around the workplace.

Keep hands and fingers clear at all time. Many log-splitting accidents happen on the return portion of the stroke.

## **6. TROUBLE SHOOTING**

Type of malfunction	Possible origins of the problem	Solutions
When the control hands is pushed down. The wedge doesn't tower	-Oil level is too low	-Fill oil in
Wedge moves slowly or Will not extend completely on normal log.	-Oil level is too low -Wrong valve détente -Pump is broken -Cylinder gaskets are damaged	-Fill oil in -Adjust valve -Replace pump -Replace gaskets
Ram stops during splitting	-Log is too big, crogged or with lots of branches	-Turn/adjust log position
Hydraulic hoses heat-up excessively	-oil level too low -Pump is damaged -Wrong valve	-Fill oil in -Replace pump -Adjust valve

## 7. DECLARATION OF CONFORMITY



BUILDER SAS

ZI, 32 rue Aristide Bergès – 31270 Cugnaux - France  
Tel : +33 (0)5.34.502.502 Fax : +33 (0)5.34.502.503

Declare that the following machine  
PETROL LOG SPLITTER  
HFBT10T105  
Serial number: 20240604524-20240604527

Is in conformity with the Directive Machine 2006/42/EC and to the regulations transposing it;  
Also in conformity with the European Directives:  
A la Directive RoHS (EU)2015/863 amending 2011/65/EU  
A la Directive EMC 2014/30/EU

Also in conformity with the following standards:  
EN 609-1:2017  
EN 14982:2009

Responsible of technical file: Olivier Patriarca

Cugnaux, 14/06/2024

Philippe MARIE / PDG

## 8. WARRANTY

# HYUNDAI

## WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

### The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

### The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

### READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



# 9. PRODUCT FAILURE

## WHAT TO DO IF MY MACHINE BREAKS DOWN?

### **If you bought your product in a store:**

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

### **If you bought your product on a website:**

- a) Empty the fuel tank if your product has one..
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

**Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.**

**For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>**

**Our hotline remains available at +33 (9) 70 75 30 30.**



# 10. WARRANTY EXCLUSIONS

## THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage\*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

\* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

**Attention:** all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

**Reminder:** the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

**Information:** Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.



# HYUNDAI

POWER PRODUCTS



**For inquiries, please contact:**

BUILDER SAS

32 rue Aristide Bergès - Z.I. du Casque - 31270 Cugnaux - France

Tél.: +33(0)5.34.502.502 Fax.: +33(0)5.34.502.503

<http://www.hyundaipower-fr.com/>

Fabriqué en République Populaire de Chine(PRC)