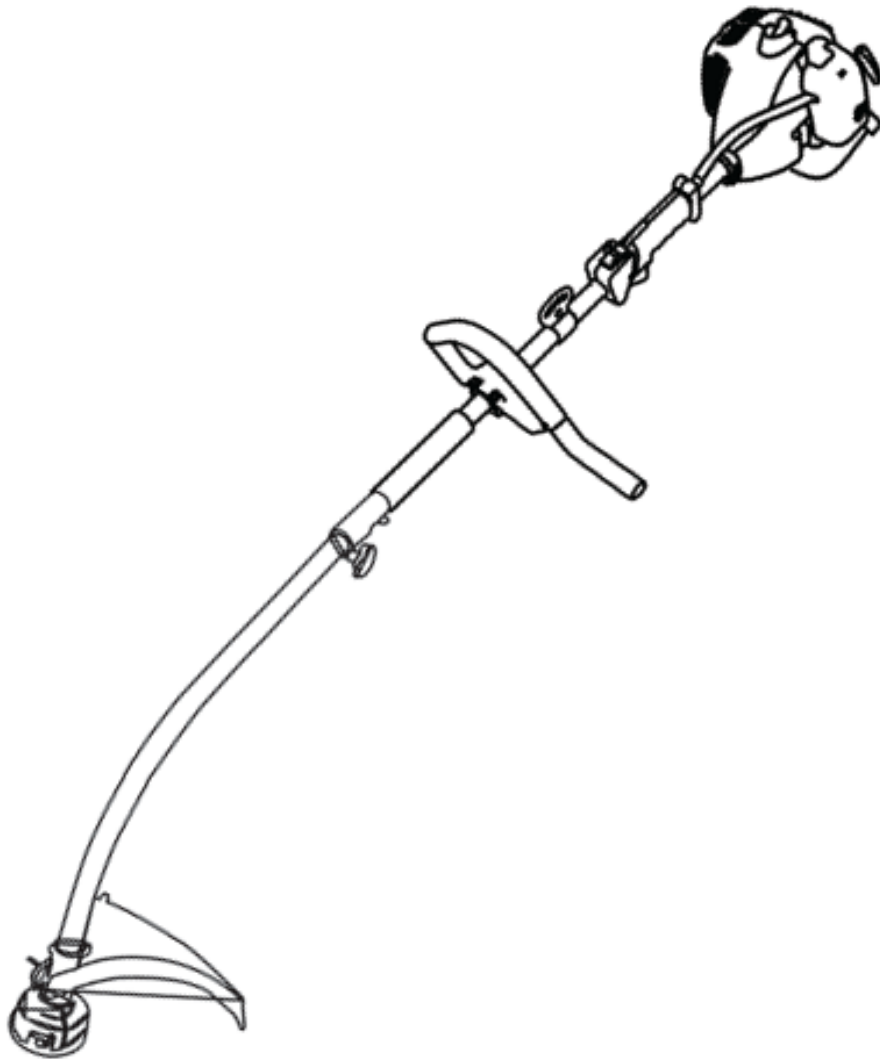


HYUNDAI

GRASS TRIMMER

Model HYTR33



User Manual

Licensed by Hyundai Corporation, Korea

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1. **SAFETY.**  

1.1. The operator of the machine;

1.1.1. Is responsible for and has a duty of care in making sure that the machine is operated safely and in accordance with the instructions in this user manual.

1.1.2. Should never leave it in a condition which would allow an untrained or unauthorised person/s to operate this machine.

















1.1.3. Should take care and show due diligence for the safety of and with regard to those around whilst using the machine, to include but not limited to;

1.1.3.1. Elderly, children, pets, livestock and property.

1.2. Some or all of the following PPE, Warning Signs and symbols may appear throughout this manual and you must adhere to their warning/s. Failure to do so may result in personal injury.

Personal Protective clothing (PPE)

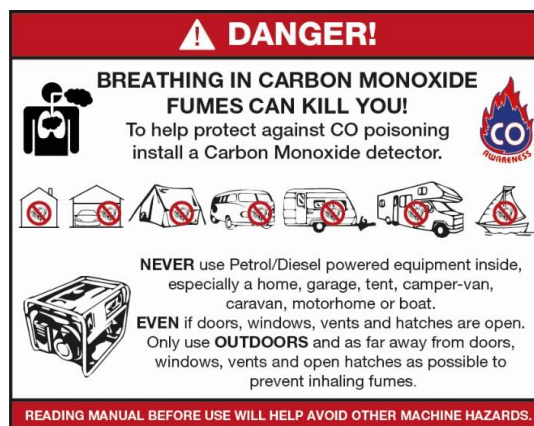


Warning Signs and Symbols – FOLLOW safety messages to avoid or reduce risk of injury or death.				
 DANGER DANGER - indicates a hazard which if not avoided could result in serious injury or death.	 WARNING WARNING - indicates a hazard which if not avoided could result in serious injury or death.	 CAUTION CAUTION - indicates a hazard which if not avoided might result in minor or moderate injury.	 NOTE NOTE - indicates a situation that could easily result in equipment damage.	 READ MANUAL
 EXPLOSION	 FIRE	 ELECTRIC SHOCK	 KICKBACK	
 HOT SURFACE	 TOXIC FUMES	 SLIPPERY	 MOVING PARTS	
 BEWARE OF THROWN OBJECTS	 BEWARE OF POWER LINES	 KEEP BYSTANDER 15ft AWAY FROM WORKING AREA		




1.3. Carbon Monoxide

- 1.3.1. Carbon monoxide is a colourless and odourless gas, inhaling this gas can cause death as well as serious long term health problems such as brain damage.
- 1.3.2. The symptoms of Carbon monoxide poisoning can include the following;
 - 1.3.2.1. Headaches, dizziness, nausea, breathlessness, collapsing or loss of consciousness.
 - 1.3.2.2. Carbon monoxide symptoms are similar to flu, food poisoning, viral infections and simply tiredness. That's why it's quite common for people to mistake this very dangerous poisoning for something else.
- 1.3.3. To avoid Carbon monoxide poisoning **DO NOT** Use Petrol/Diesel powered equipment inside a home or garage even if doors and windows are open.
- 1.3.4. If you think you or someone around you has been affected by carbon monoxide poisoning;
 - 1.3.4.1. Get fresh air immediately.
 - 1.3.4.2. Open doors and windows, turn off machine and leave the affected area.
 - 1.3.4.3. See your doctor immediately or go to hospital - let them know that you suspect carbon monoxide poisoning.
- 1.3.5. **DO NOT** use in an enclosed area or a moving vehicle.



1.4. General fuel safety.



- 1.4.1. Fuel Safety additional information can be obtained from the Health and Safety Executive (HSE) document SR16.
- 1.4.2.  **CAUTION** All fuels are Flammable.
- 1.4.3. Keep away from all ignition sources i.e. Heaters, Lamps, sparks from Grinding or welding.
- 1.4.4. Hot work on tanks that have contained fuel is extremely dangerous and should not be carried out.
- 1.4.5. Keep work area clean and tidy.
- 1.4.6. Clean up all spills promptly using correct methods i.e. absorbent granules and a lidded bin.

1.4.7. Dispose of waste fuels correctly.



1.5. Petrol safety.

1.5.1.1. Always fuel and defuel in well-ventilated area.

1.5.1.2. Always wear correct, suitable and fit for purpose Personal Protective Equipment (PPE), suggested items are as follows, but are not limited too.



1.5.1.3. Hand protection.



1.5.1.4. Protective clothing.



1.5.1.5. Respiratory protective equipment should be used when in an unventilated area.

1.5.1.6. When defueling always use a propriety fuel retriever.

1.5.1.7. Always carry fuel in the correct and clearly marked container.

1.6. Tool safety



DANGER

Risk of finger severing



DANGER

DO NOT modify unit in any way



WARNING

Only use the tool for job for which it is intended



WARNING

Always remove the HT lead from the spark plug when checking the machine or changing parts

1.6.1. DO NOT operate closer than 6 metres (20 feet) to electric hazards (electric cables).

1.6.2. Keep all bystanders at least 4.5 metres (15 feet) away from working area.

1.6.3. Beware of falling objects.

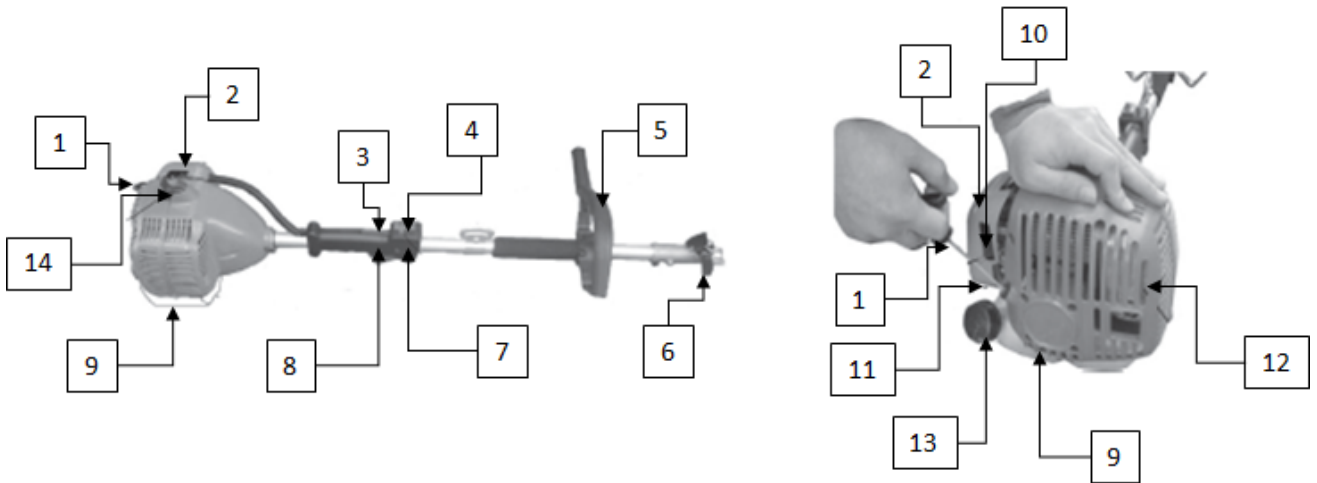
1.6.4. If machine becomes clogged/blocked/obstructed – STOP machine remove HT lead from spark plug, remove obstruction.

1.6.5. Inspect tool before each use, and replace any damaged parts before operation. Check for fuel leaks and make sure all fasteners are secure and in place. Make sure the safety guard, handles and safety features are all in good working order.

- 1.6.6. Replace parts that are dull, cracked, chipped or damaged in any way before using the tool. Make sure the safety guard is properly attached.
- 1.6.7. Use only recommended accessories and parts, approved by the manufacturer. Non approved attachments may cause damage to the machine or harm to the user, and will also void your machine's warranty.
- 1.6.8. Always use certified replacement sourced from the manufacturer. Only use genuine Hyundai spare parts.
- 1.6.9. Under no circumstances should you ever take the product apart or alter it in any way even if the item is faulty. You may damage or cause further harm by taking the product apart and you will void your warranty in doing so.
- 1.6.10. This grass trimmer is designed exclusively for cutting grass edges in garden areas and in a private domestic setting. Using it for any other purpose other than those intended qualify as improper use. The operator is solely responsible for assuming all risks.
- 1.6.11. Do not overload the machine. It will safer and better when operated within its specified performance range.
- 1.6.12. Keep others away from machine when making carburettor adjustments'.

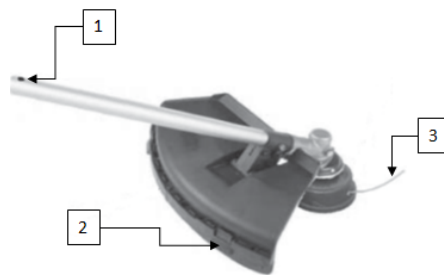
2. MACHINE COMPONENT LOCATIONS

2.1 Power unit.



- | | | | | |
|-----------------------|------------------|---------------------|----------------|-----------------|
| 1 Start handle | 2. Air filter | 3. Throttle lockout | 4. Stop switch | 5. Front handle |
| 6. Unit locking screw | 7. Throttle lock | 8. Throttle trigger | 9. Fuel tank | 10. Choke lever |
| 11. Primer Bulb | 12. Exhaust | 13. Fuel tank cap | 14. Spark plug | |

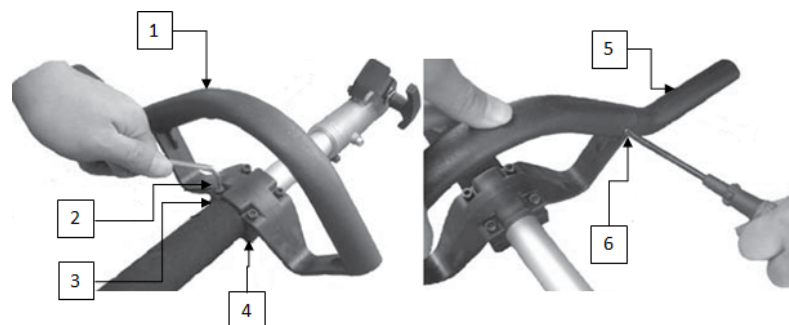
2.1 Grass trimmer.



- | | | |
|----------------|----------|--------------------------|
| 1 Locking hole | 2. Guard | 3. Cutting string (cord) |
|----------------|----------|--------------------------|

3. ASSEMBLY AND INITIAL OPERATION

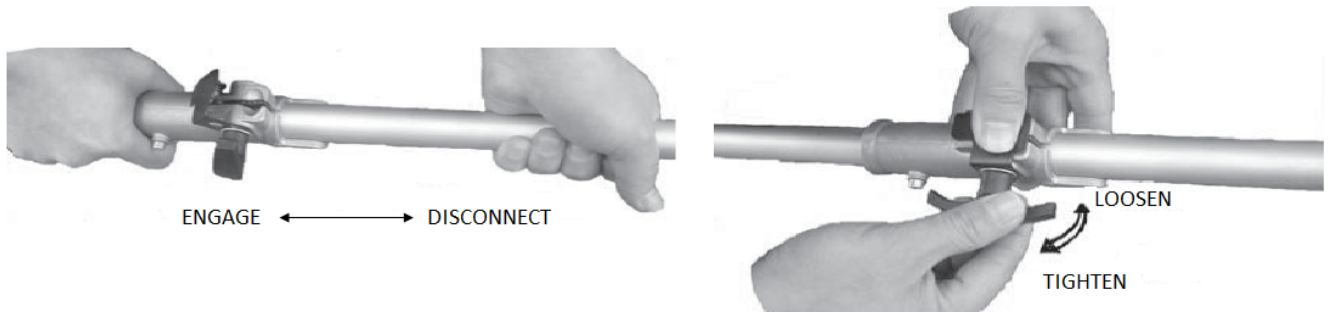
3.1 Power unit handle.



- | | | | |
|-------------------------|----------------------------|----------------|--------------|
| 1 Front handle (1) | 2. Screw 5mm x 35mm (4) | 3. Nut 5mm (4) | 4. Cover (1) |
| 5. Front handle bar (1) | 6. Screw 4,2mm x 9.5mm (1) | | |

3.1.1 Assemble the front handle as shown in the diagrams. Do not over tighten the screws until you have set the perfect working position with the carrying strap. The front handle should be aligned as show in "Power Unit" diagram.

3.2 Grass trimmer.



3.3 Fuel information.

3.3.1 Refuelling:

3.3.1.1 For air-cooled 2-stroke engines, mix unleaded petrol thoroughly with synthetic 2-stroke oil at 40:1 ratio or mineral 2-stroke oil at 25:1 ratio.

3.3.2 TIP - Always prepare 1 litre of the mix at a time because the mix turns unusable after prolonged storage. Take care of fire.



WARNING

Petrol is highly flammable. Take the following precautions:

3.3.3 Store fuel in containers specifically designed for this purpose.

3.3.4 Refuel outdoors only and do not smoke while refuelling.

3.3.5 Add fuel before starting the engine. Never remove the cap of the fuel tank or add petrol while the engine is running or when the engine is hot.

3.3.6 Avoid spillage:

3.3.6.1 If petrol is spilled, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until petrol vapours have dissipated.

3.3.7 Tighten all fuel tank and container caps securely.

4. OPERATION

4.1 Starting the tool.

4.1.1 Start the tool only after the integrated piece has been correctly connected.

4.1.2 Put the operating switch at position "I".

Operating switch



4.1.3 Put the starting choke lever in position "Start".



4.1.4 Push the primer bulb 3-5 times.



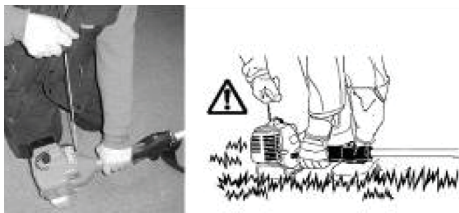
4.1.5 Push throttle lock and throttle trigger to accelerate.



4.1.6 Push the throttle lock in at this position (cold).



4.1.7 Start the machine by carefully pulling the starter cable. Do this whilst holding the machine against the ground.



4.1.8 Now, control the throttle so that the machine runs evenly for it to reach full speed.



4.1.9 As soon as the engine is running smoothly, the choke may be returned to its normal position.

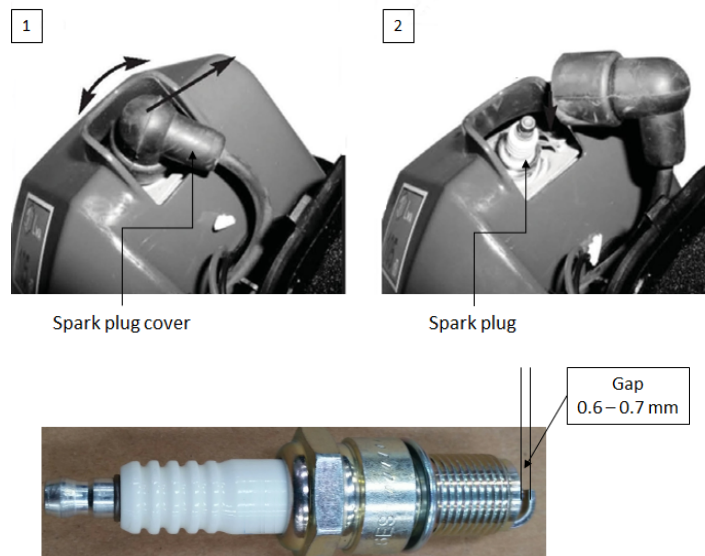


4.2 Spark plug check or replacement.

4.2.1 Pull the spark plug cover off, unscrew the plug using the plug wrench and replace it.

4.2.2 If you are checking the spark plug remember to clean it and check that it is correctly adjusted.

4.2.3 If you are replacing the spark plug remember to check that it is correctly adjusted.



4.3 Operation safety instructions.

4.3.1 To turn the machine off, the switch has to be in “STOP” position.

4.3.1.1 When trimming, check local regulations for restrictions on use at certain times especially in communal living areas.

4.3.1.2 DO NOT mow at night.

4.3.1.3 Any hard objects – stones, metal parts etc. – have to be removed. They could be thrown out and cause personal or material damage.

4.3.1.4 When working in shrubs or bushes, the working height must be 15 cm as a minimum not to expose animals, such as hedgehogs, at any risk.

4.3.2 Grass trimming.

4.3.1 When trimming on grass areas, hold the machine at an angle of 30° and make semi-circular turns to the left and right.

4.3.2 The best results are achieved with grass 15 cm high. If it is higher, it is recommended to repeat mowing several times.

CAUTION

When the machine is running never put the mowing head on the ground.

4.3.3 If the cutting decreases, then the cord has become too short

4.3.3.1 Hold the running machine over the grass and knock the ground several times with the mowing head the cord will become longer.

4.3.3.2 The cutter enclosed in the protection shield will cut any excess cord to the required length.

CAUTION

The cutting cord remnants may be thrown off and cause an injury.

5. INSPECTION AND MAINTENANCE

CAUTION

The instructions below shall apply to regular conditions of use. In severe conditions and longer periods of work, it is necessary to shorten the of maintenance intervals as appropriate.

After finishing the job, always check the entire machine for general condition, damage and carry out cleaning.

Regular check and treatment:

- Check the air filter (clean it up if necessary)
- Check the spark plug (replace if necessary)
- The function and quantity of the plastic cord.

Always switch the power unit off when doing maintenance or a repair.

5.1 Inspection, maintenance and safety Instructions.

5.1.1 A machine that is maintained and cared for on a regular basis may be considered a serviceable aid. Insufficient maintenance and care may result in emergencies and unforeseen accidents.

5.1.2 Only authorised servicing agents may do repairs requiring special professional knowledge.

5.1.3 Follow these precautions:

5.1.3.1 Make sure all nuts, bolts and screws are kept tight so the equipment works as intended. If any parts are loose or missing DO NOT use the machine until repair work has taken place.

5.1.3.2 DO NOT store with petrol in the tank.

5.1.3.3 Allow the engine to cool before storing.

5.1.3.4 Keep hot engine parts away from grass, leaves and excess grease.

5.1.3.5 Always replace worn or damaged parts.

5.1.3.6 If petrol tank needs draining, do it outdoors.

5.1.3.7 Do not attempt to repair the machine unless you are competent to do so.

5.1.3.8 Use only genuine Hyundai parts and accessories.

5.2 Maintenance chart.

5.2.1 Always stop the engine before carrying out any maintenance on the machine.

5.2.2 When all parts have stopped moving, remove the spark plug lead to begin maintenance work.

5.2.3 Never repair cutting attachments this may result in serious injury.

5.2.4 Never attempt maintenance that is not outlined in this manual. All repair work must be carried out by a Hyundai Authorised Service Centre.

5.2.5 Refer to the following table for routine maintenance.

5.2 Continued - Maintenance chart.

FEATURE	REQUIREMENT	BEFORE USE	AFTER USE	REFUEL	MONTHLY	YEARLY	IF DAMAGED	AS REQUIRED
Machine	Visual inspection (leaks)	X		X				
Throttle lever	Check operation	X						
Throttle lever interlock	Check	X						
Stop switch	Check	X						
Fuel tank	Clean outside		X					
Cutting head assembly	Check and clean		X					X
Gearbox	Grease straight shaft					X		X
Air filter	Check				X			
	Clean				X			X
	Replace depending on conditions						X	X
Cowling	Clean		X					
Cylinder fins	Clean							X
Spark plug	Clean, re-adjust gap					X		X
Nylon cord (line)	Stock replacement					X		X
Trimmer head	Clean							
	Replace						X	X
All accessible fasteners	Re-tighten	X						X
Exhaust	Inspect	X			X			
	Clean or replace						X	X

6. TRANSPORTATION AND STORAGE

6.1 When transporting the machine take the following actions:

6.1.1 Stop the machine and drain the fuel tank before transporting.

6.1.2 If transporting in a vehicle secure the machine to prevent damage whilst the vehicle is in motion.

6.1.3 If transporting by hand use carrying handle and avoid bumping machine into people or other objects.

6.2 If the grass trimmer is to be out of operation for a long period of time (over 1 month), take the following actions:

6.2.1 Drain the fuel tank.

6.2.2 Wipe the external part of the case with a soft cloth soaked in fine suds.

6.2.3 Store the set at an elevated locked place outside the reach of children.

6.2.4 Store the set at a dry place.

6.2.5 The grass trimmer should be packed well to prevent damage.

7. SPECIFICATION

MODEL	HYTR33
Engine Type	IE36F
Engine Size cc	33
Fuel tank capacity ml	800
Noise Level dB	112
Rated Speed rpm	2800 (Idle)
Rated Power kw	0.85
Drive Type	Direct
Start Method	Recoil
Fuel Ratio/Fuel Type	Mineral 2-stroke oil : 25:1 - Synthetic 2-stroke oil: 40:1
Cutting Width mm /Length mm /Diameter mm	420
Hedge trimmers - Recommended maximum cutting diameter	15
Gross Weight kg	7.8
Dry Weight kg	7.2 (With attachment)
Fully Assembled Dimensions L x W x H mm	1800 x 260 x 260
Extensions mm/kg	N/A
Box Dimensions L x W x H mm	1090 x 310 x 290

8. TROUBLESHOOTING

Fault	Cause	Remedy
The machine does not start	Correct starting procedure not followed	Follow the instructions for starting
	Sooted or damp spark plug	Clean the spark plug or replace it with a new one
	Incorrect carburetor setting	Contact an authorised customer service outlet
The machine start but does not develop its full output	Incorrect choke lever setting	Set choke lever to open
	Dirty air filter	Clean the air filter
	Incorrect carburetor setting	Contact an authorized customer service outlet
The engine does not run smoothly	Incorrect electrode gap on the spark plug	Clean the spark plug and adjust the electrode gap or fit a new spark plug
	Incorrect carburetor setting	Contact an authorised customer service outlet
Engine smokes excessively	Incorrect fuel mix	Use the correct fuel mix (see fuel mixing table)
	Incorrect carburetor setting	Contact an authorised customer service outlet

9. DECLARATION OF CONFORMITY

Genpower Ltd confirms that this Hyundai product conforms to the following CE directives:

2006/42/EC Machinery directive
2004/108/EC EMC directive
2000/14/EC Noise emissions directive
97/68/EC NRMM Emissions directive

EC DECLARATION OF CONFORMITY

The undersigned, as authorised by: **Genpower Ltd**

Declares that the following equipment manufactured under licence by Hyundai Korea

Conforms to the Directive: -
2000/14/EC (as amended)

of the European Parliament and of the council on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors.

Equipment Category: **Garden Machinery**

Product Name/Model: **HYTR33**

Type/Serial No: **GRASS TRIMMER**

Electric power: ~~Power in kW~~

Net installed power: **1.45 kW**

Cutting width: ~~000 mm~~

The technical documentation is kept by: **Kevin Stanley, Genpower Ltd,
Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW.**

The conformity assessment procedure followed was in accordance with annex V of the Directive.

Notified Body: **Hangzhou WANVE Testing Technology C° Ltd,
Room 3-109, N° 1181 Bin'an Road,
Binjiang District, Hangzhou, Zhejiang, 310052,
P.R. China
Test Report N° MD-2014808**

Measured Sound Power Level: **115 dB (A)**

Guaranteed Sound Power Level: **115 dB (A)**

A copy of this certificate has been submitted to the European Commission and to EU Member State United Kingdom.


Place of Declaration: **Pembroke Dock, SA72 4RW**

Date: **Monday, 11 August 2014**

Signed by: **Kevin Stanley**

Position in Company: **Product Manager**

Name and address of manufacturer or Authorised representative:



**Genpower Ltd,
Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW.**

HYUNDAI

GENPOWER LTD

Isaac Way, London Road
Pembroke Dock, UNITED KINGDOM, SA72 4RW
T: +44 (0) 1646 687 880 F: +44 (0) 1646 686 198

E: info@hyundaipowerequipment.co.uk

www.hyundaipowerequipment.co.uk