

# HYUNDAI

## MULTI-TOOL

Model HYMT33



## User Manual

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1. SAFETY  

1.1 The operator of the machine 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.

Please note the following safety points























1.1.2 The machine should never be left in a condition which would allow an untrained or unauthorised person/s to operate this machine.

1.1.3 All due care and diligence should be taken by the operator for the safety of and with regard to those around whilst using the machine

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.



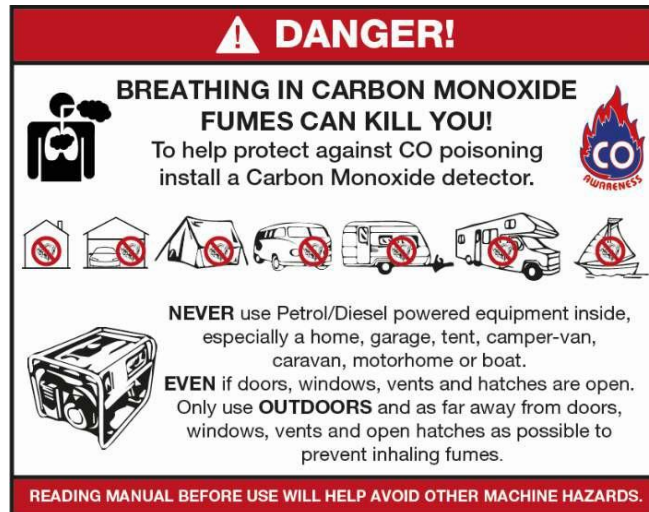
**Warning Signs and Symbols – FOLLOW safety messages to avoid or reduce risk of injury or death.**

 <b>DANGER</b> DANGER - indicates a hazard which if not avoided could result in serious injury or death.	 <b>WARNING</b> WARNING - indicates a hazard which if not avoided could result in serious injury or death.	 <b>CAUTION</b> CAUTION - indicates a hazard which if not avoided might result in minor or moderate injury.	 <b>NOTE</b> 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	
 KEEP BYSTANDERS AWAY	 KEEP BYSTANDERS 15 m AWAY	 TAKE CARE OF OVERHEAD POWER LINES	 PROTECT FROM DRAIN & DAMP	
 KEEP NAKED FLAMES AWAY FROM FUEL	 BE AWARE OF THROWN OBJECTS	 TAKE CARE OF THROWN OBJECTS	 ROTATING CUTTING BLADES	
 EC STANDARD COMPLIANT				

### 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 but not limited to 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. It is 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, garage, tent, camper van, mobile home, caravan or boat. The list is not exhaustive if you are in any doubt contact your dealer.
- 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, by opening doors and windows, turning off the machine and leaving the affected area.
  - 1.3.4.2 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.
- 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.

1.4.7 Dispose of waste fuels correctly.



1.4.8 Petrol safety.

1.4.8.1 Always fuel and defuel in well-ventilated area.

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



1.4.8.3



1.4.8.4



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

1.4.8.6 When defueling always use a propriety fuel retriever.

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

1.5 Additional Safety guide-lines

1.5.1 To prevent fire.

1.5.1.1 Never add fuel to the fuel tank whilst the engine is running. Wipe away any spilt fuel or oil with a clean cloth before operating. Keep explosives and any other flammable products away from the machine at all times.

1.5.2 To prevent inhaling exhaust fumes.

1.5.2.1 Exhaust gas contains poisonous carbon monoxide which is harmful to health and can kill.

1.5.2.2 For this reason, never use the machine in an enclosed area or areas with poor ventilation.

1.5.3 To prevent burns.

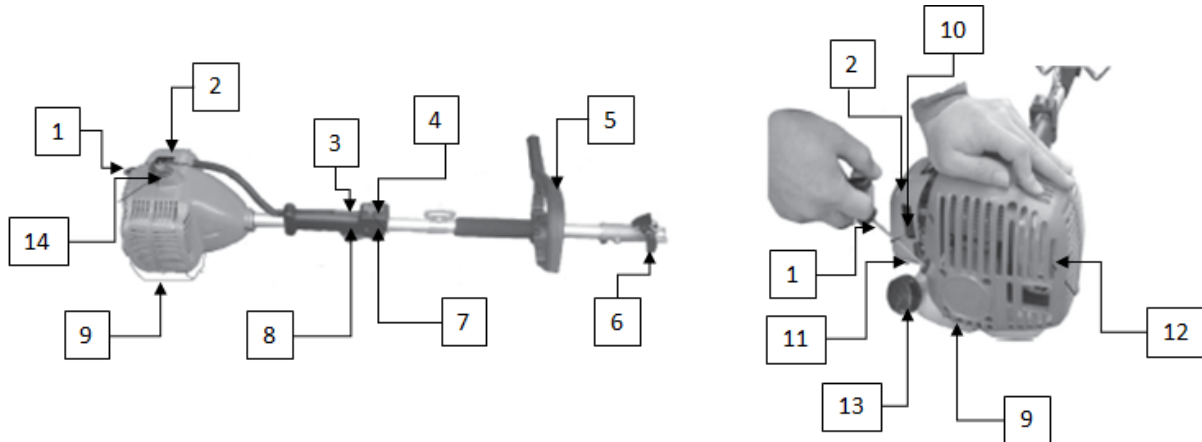
1.5.3.1 The muffler and the engine body becomes very hot whilst the engine is running or just after running.

1.5.3.2 To prevent any burns, DO NOT touch these parts during these times.

## 2. THE UNIT

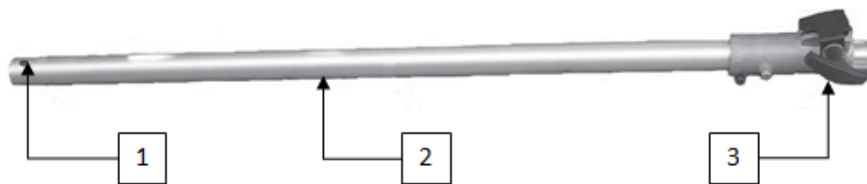
### 2.1 Power unit.

2.1.1 The unit is a universal combination set enabling perfect care of the garden and hedges and lop trees.



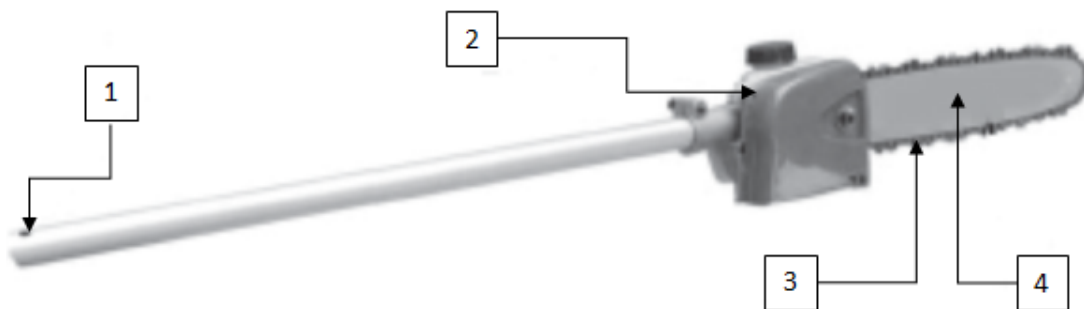
- |                       |                  |                      |                |                 |
|-----------------------|------------------|----------------------|----------------|-----------------|
| 1. Starting handle    | 2. Air filter    | 3. Throttle lock out | 4. Stop switch | 5. Front 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 |                 |

### 2.2 Extension



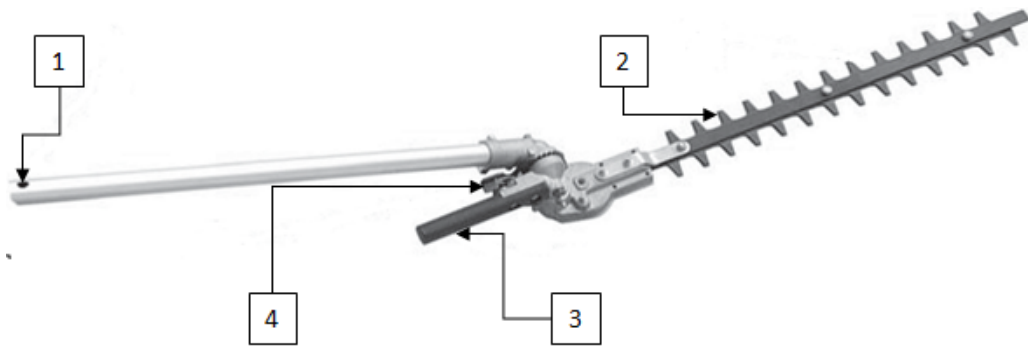
- |                           |              |                                 |
|---------------------------|--------------|---------------------------------|
| 1. Extension locking hole | 2. Extension | 3. Incorporated tool connection |
|---------------------------|--------------|---------------------------------|

### 2.3 Pole saw



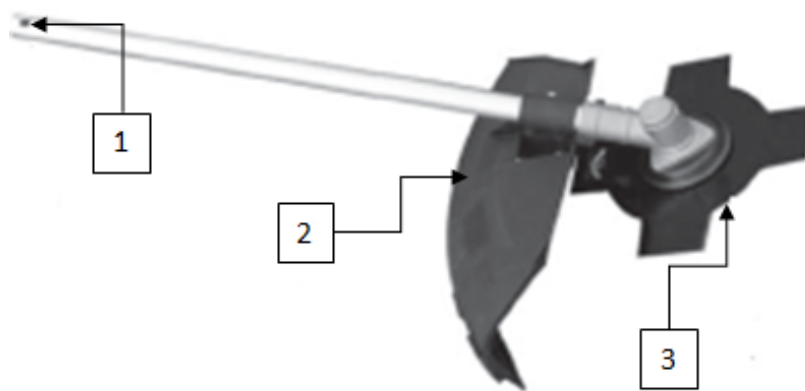
- |                       |                       |                   |
|-----------------------|-----------------------|-------------------|
| 1. Locking hole       | 2. Automatic oil pump | 3. Pole saw chain |
| 4. Pole saw chain bar |                       |                   |

## 2.4 Articulating hedge trimmer



1. Pole saw locking hole                      2. Automatic oil pump                      3. Adjusting lever lock  
4. Cutting unit adjusting lever 135 degrees

## 2.5 Brush cutter



1. Locking hole                      2. Guard                      3. Cutting blade

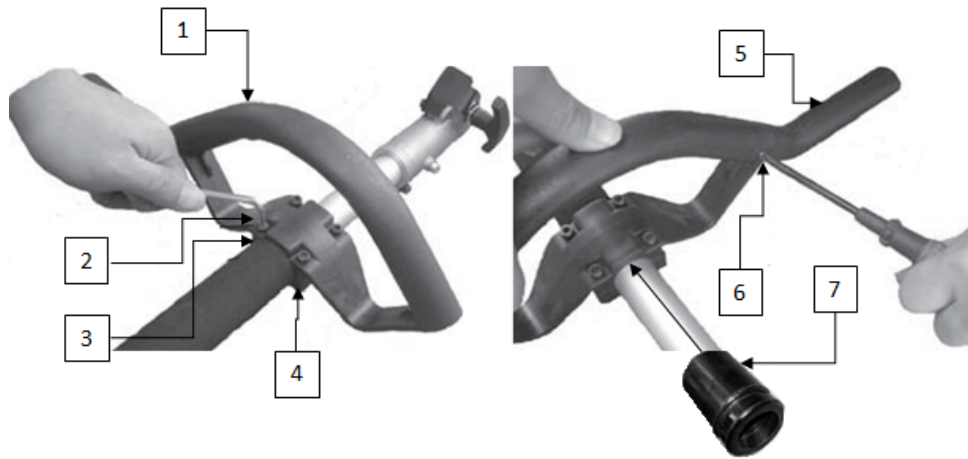
## 2.6 Grass trimmer



1. Locking hole                      2. Guard                      3. Cutting cord

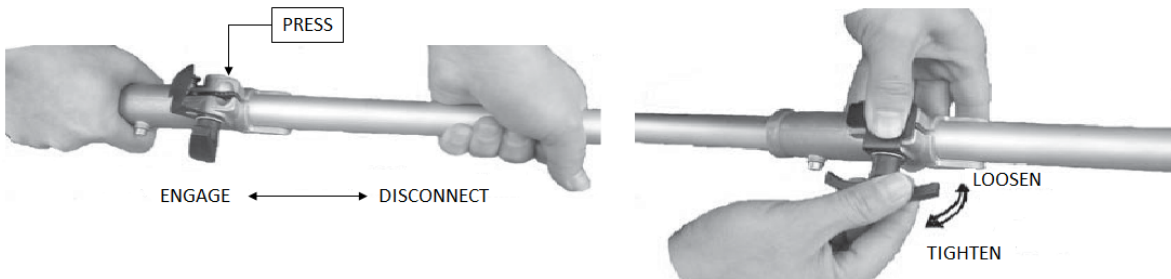
### 3 ASSEMBLY AND INITIAL OPERATION

#### 3.1 power unit.



1. Front handle      2. Screw 5mm x 35mm      3. Nut M5      4. Cover  
 5. Front handle bar      6. Screw 4.2mm x 9.5mm      7. Rubber sleeve

3.1.1 Install the front handle as shown in the diagrams. **DO NOT** 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. Make sure to use the rubber sleeve (7) between the two halves of the handle/cover. **NOTE DO NOT** fit handle over the foam grip.

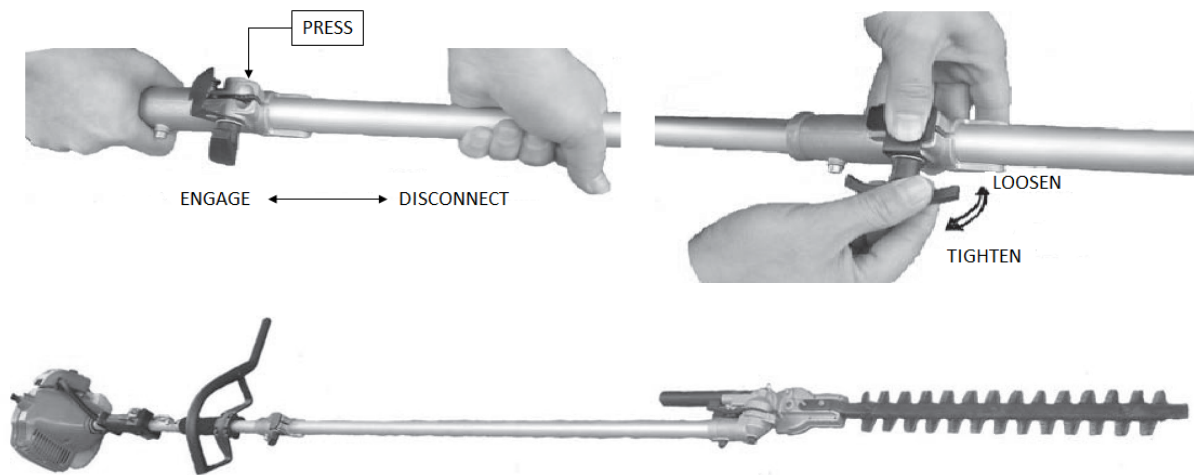


#### 3.2 Brush cutter and grass trimmer.

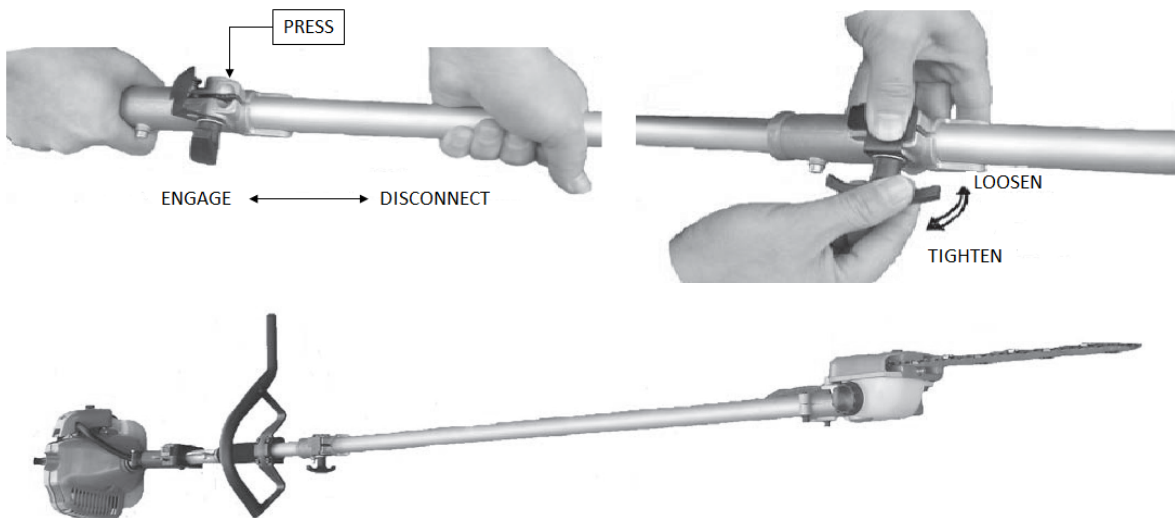




### 3.3 Hedge trimmer.



### 3.4 Pole saw.



### 3.5 Fuel information.

#### 3.5.1 Refuelling:

3.5.1.1 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 20:1 ratio.

**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.

#### 3.5.2 Take the following precautions:

3.5.2.1 Store fuel in containers specifically designed for this purpose.

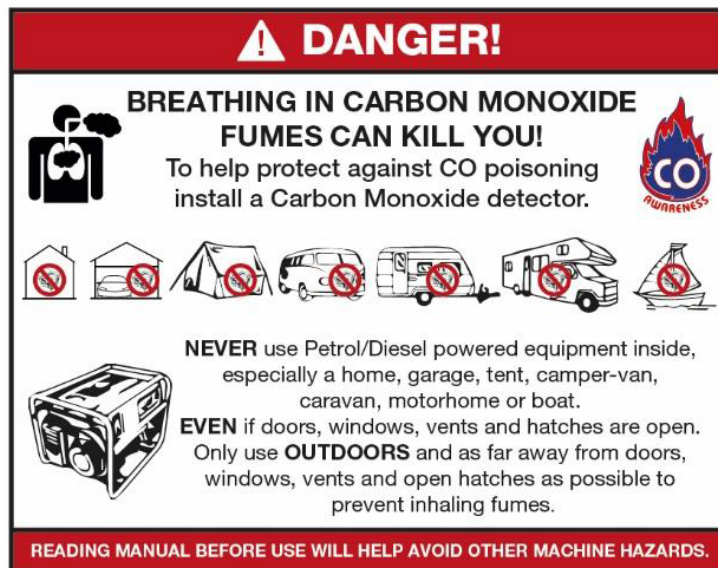
3.5.2.2 Refuel outdoors only and DO NOT smoke while refuelling.

3.5.2.3 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.

3.5.2.4 **Avoid spillages:** 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.

3.5.2.5 On completion of fuelling tighten all fuel tank and fuel container caps securely.

**DO NOT this machine in an enclosed are or moving vehicle**



#### 4. OPERATION

4.1 Only attempt to start the machine once the all poles and attachments have been securely fitted and attached. Check for abnormal vibrations when machine is running. If machine is vibrating too much it is generally because the poles and/or attachments are not fitted and secured properly.



Put the operating switch to the ON position.



Move the choke lever to the START position.

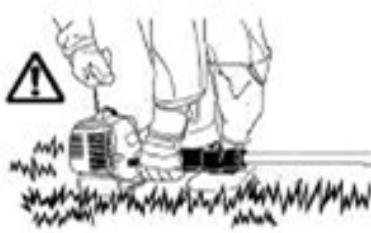


Push the primer bulb at least 3-5 times.



Push the unlocking button and accelerate.  
Push the throttle lock in at this position (cold).

#### 4.1. Continued.



Start the machine by carefully pulling the starting handle.  
Do this whilst the machine is against the ground.



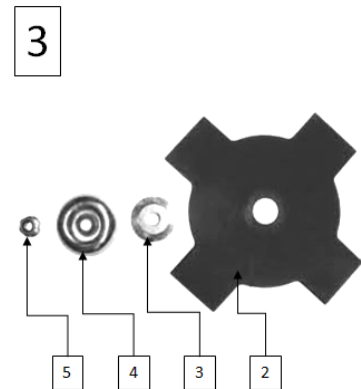
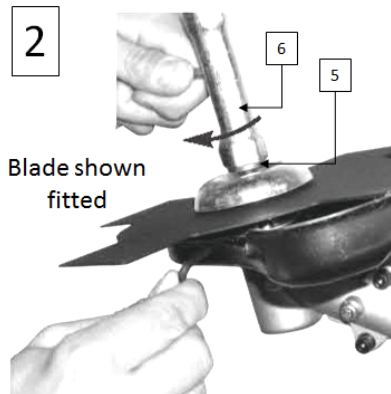
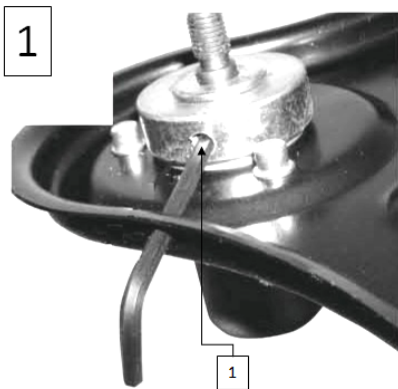
Now control the throttle so that the machine runs evenly until it reaches full speed.  
Check for abnormal vibrations when machine is running. If machine is vibrating too much it is generally because the poles and/or attachments are not fitted and secured properly.



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

#### 4.2 Blade removal.

4.2.1 The machine is not supplied with the blade fitted.



4.2.2 Line up the hole in the carrier plate Fig 1 - 1 with the notch beneath it and lock the carrier plate with the size 4 Allen key.

4.2.3 Remove the securing nut for the blade (2) using the supplied spark plug wrench Fig 2 - 6 **Important:** Left handed thread

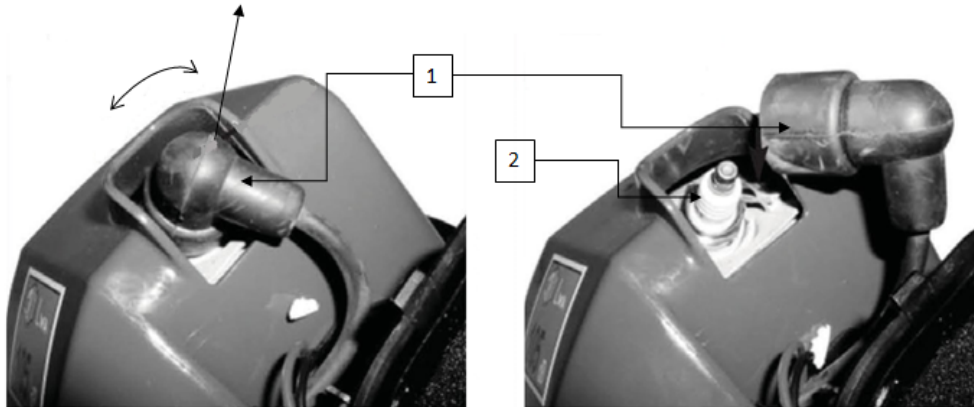
4.2.4 Remove the pressure plate cover Fig 3 - 4 and the pressure plate Fig 3 - 3.

4.2.5 The blade Fig 3 - 2 can now be fitted.

4.2.6 To re-assemble proceed in reverse order. Please note that the side of the pressure plate with recess must point towards the blade.

### 4.3 Spark plug removal/replacement.

4.3.1 Pull the spark plug cover (1) off unscrew (in an anti-clockwise direction) the spark plug (2) using the supplied spark plug wrench and remove spark plug for inspection or replacement.



### 4.4 Operation safety instructions.

#### 4.4.1 Grass trimmer & brush cutter operation Instructions.

4.4.1.1 To turn the machine off the switch has to be in STOP position.

4.4.1.2 When mowing you must follow any bylaws and communal regulations.

4.4.1.3 DO NOT mow at night.

4.4.1.4 Any hard objects such as stones, metal parts etc. They MUST be removed before any work starts otherwise they could be thrown out from the machine and cause personal or material damage.

4.4.1.5 Working in high shrubs or bushes the working height must be higher than 150 mm as a minimum so as not to expose animals such as hedgehogs to the risk of injury.

#### 4.4.2 Grass Mowing operation instructions.

4.4.2.1 Working on grass areas hold the machine cutting head at an angle of 30 degrees and make semicircle turns to the left and right.

4.4.2.2 The best results are achieved with grass less than 150 mm high. If it is higher then it is recommended to repeat mowing several times.

**⚠ CAUTION** When the machine is running never put the trimmer head on the ground.

4.4.2. If the mowing output decreases:

4.4.2.1 Hold the running machine over the grass and knock the ground several times with the mowing head the cord will get longer with any excess being cut off by the cord trimmer at the edge of the guard. **Caution** The cord remnant may be thrown off and cause an injury.

#### 4.4.3 Pole saw operation instructions.

**Avoid kickback.** Kickback may cause severe injuries.

4.4.3.1 DO NOT use the pruning saw whilst standing on a ladder or another aid in unstable position. You may lose control over the saw and suffer severe injuries. If heavier/ larger machines are required due to circumstances request support from professionals.

**⚠ CAUTION**

4.4.3.2 Beware of falling branches.

4.4.3.3 Always attach the extension.

#### 4.4.4 Hedge Trimmer operation instructions

4.4.4.1 Use the unit only after you have read the instruction manual carefully.


4.4.4.2 Observe all the safety instructions contained in the manual.

4.4.4.3 Hedge trimmers may be used not only on hedges but also to cut shrubs.

 CAUTION

4.4.4.4 Always attach the extension.

### 5. INSPECTION & MAINTENANCE

 CAUTION Always switch the power unit off when doing maintenance or a repair. The following instructions shall apply to regular conditions of use. In severe conditions and longer periods of work, it is necessary to shorten the intervals as appropriate.

5.1 After finishing work, check over the entire machine for damage and any loose parts and clean machine.

5.2 Regular checks and treatment:

5.2.1 Check the ignition plug and replace if necessary.

5.2.2 Check the function and quantity of the plastic cord on the reel, replenish as required.

5.3 Inspection and maintenance safety instructions.

5.3.1 Only a unit maintained and cared for on a regular basis may be considered as a safe to use machine. Insufficient maintenance and care may result in emergencies and unforeseen accidents.

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

5.3.3 Follow these precautions:

5.3.3.1 Keep all nuts, bolts and screws tight to be sure the equipment works as intended.

5.3.3.2 DO NOT store with petrol in the tank.

5.3.3.3 Always allow engine to cool before storing.

5.3.3.4 Always keep hot engine parts away from grass, leaves and excess grease.

5.3.3.5 Always replace worn or damaged parts.

5.3.3.6 If petrol tank needs draining, always do it outdoors.

5.3.3.7 DO NOT attempt to repair the machine unless you are competent to do so.

5.3.3.8 Use only genuine Hyundai parts and accessories.

## 5.4 Maintenance chart

5.4.1 Refer to the following table for routine maintenance.

5.4.2 Always stop the engine before any maintenance is done on the unit.

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

5.4.4 Never repair cutting attachments by welding, straightening or changing the shape. This may result in serious injury.

5.4.5 Never attempt maintenance that is not outlined in this manual. All repair work must be carried out by a Hyundai authorised service centre.

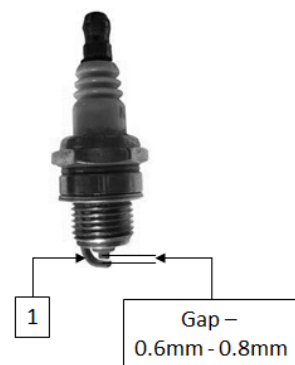
FEATURE	REQUIREMENT	BEFORE USE	AFTER USE	REFUEL	MONTHLY	YEARLY	IF DAMAGED	AS REQUIRED
Machine	Visual inspection (leaks)	X		X				
Throttle lever	Check operation	X						
Throttle lever interlock	Check	X						
Stop switch	Check	X						
Fuel tank	Clean outside		X					
Brush cutting head assembly	Check and clean		X					X
Grass trimmer head assembly	Check and clean		X					X
Hedge trimmer head assembly	Clean							
	Replace						X	X
Pole saw assembly	Clean						X	X
	Replace							
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
All accessible fasteners	Re-tighten	X						X
Exhaust	Inspect	X			X			
	Clean or replace						X	X

## 5.5 Spark plug adjustment or replacement.

5.5.1 Stop machine and wait for it to cool down.

5.5.2 Remove spark plug as in 4.3.

5.5.3 Clean spark plug and adjust spark plug electrode (1) gap to between 0.6 mm to 0.8 mm.



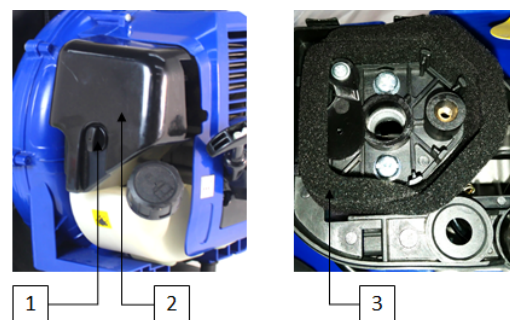
## 5.6 Air filter - clean or replace.

5.6.1 Stop machine and wait for it to cool down.

5.6.2 Undo cover screw (1) remove cover (2) and remove sponge filter (3).

5.6.3 Wash sponge filter in soapy water, then rinse in fresh water, Dry completely then reinsert.

5.6.4 If filter is beyond cleaning then replace with a new one.



## 6. TRANSPORTATION & STORAGE

### 6.1 Storage.

6.1.1 If the machine is to be out of operation for a long period of time over 1 month take action as follows:

6.1.1.1 Drain the oil and fuel tank.

6.1.1.2 Remove and clean the string coil and the blade.

6.1.1.3 Wipe the string coil and the blade dry.

6.1.1.4 Wipe the external part of the machine with a soft cloth soaked in warm soapy water.

6.1.1.5 Store the entire machine and parts at an elevated locked place outside the reach of children.

6.1.1.6 Store the set at a dry place.

6.1.1.7 Blade pole saw, hedge scissors and trimmer should be packed well to prevent cuts.

6.1.1.8 Use all protective guards on all metal cutting attachments to protect users.

### 6.2 Transportation.

6.2.1 When transporting in a vehicle drain the fuel tank.

6.2.2 Use all protective guards on all metal cutting attachments to protect users.

6.2.3 Keep the machine fully secured to prevent damage or injury from the machine.

6.2.4 Keep the machine away from children.

6.2.5 When transporting by hand keep fuel tank filler cap uppermost to prevent fuel spillages.

6.2.6 Use all protective guards on all metal cutting attachments to protect those around you from injury.



## 7. TECHNICAL DATA

Guaranteed sound power level LwA	112 dB (A)
Guaranteed sound pressure level LpA	102 dB (A)
Guaranteed vibration at racing speed	7.5 m/s
Guaranteed vibration at idling speed	5 m/s

### Engine:

Type of the engine	Air cooled 2 stroke single cylinder
Engine Displacement	32.5 cc
Engine Speed	9000rpm + 200rpm
Fuel Tan Volume	800ml
Starting System	Recoil start
Engine Idling Speed	2800rpm + 200rpm
Engine Speed with Cutter running	8000rpm-8500rpm
Specific Fuel Consumption	680g/kwh
Fuel Consumption	680g/h.kw
Carburettor	HUAYANG 36F
Spark Plug	TORCH BM6A
Fuel Ratio	25:1 mineral oil 40:1 synthetic oil

### Multi-tool Extension:

Length	750mm
weight	0.75g

### Pole saw:

Net Weight	6.9Kg
Oil Tan Volume	125ml
Chain Pitch	3/8"
Chain Gauge	0.050"
Cutting Length	2 cm
Sprocket	7T
Chain Type	HY 10"
Chain Guide Type	HY 10" AI10-39-507P
Engine Speed with Pole Saw running	8000rpm-8500rpm
L x W x H	3000mm x 260mm x 260mm

**Hedge Trimmer:**

Net Weight	7.4kg
Cutting Length	375mm
Cutting Speed	1500rpm
Engine Speed with Trimmer running	8000rpm-8500rpm
L x W x H	2850mm x 260mm x 260mm

**Brush Cutter and Grass Trimmer:**

Net Weight (No Attachment)	6.4kg
Net Weight (With Attachment)	7.2kg
Gross Weight (With Attachment )	7.8kg
Cutting Diameter	200mm 420mm
Cutting Thickness	1mm/2mm
# of Cutting Teeth	3 Teeth
Blade centre hole diameter	25.5 mm
Engine Speed with Attachment running	7500rpm-8000rpm
Gear Ratio	4:3
Rotation Direction From Above	Anti clockwise
L x W x H	1800mm x 260mm x 260mm

## 8. TROUBLESHOOTING

<b>Fault</b>	<b>Cause</b>	<b>Remedy</b>
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 carburettor setting	Contact an authorised customer service outlet
The machine starts but does not develop its full output	Incorrect choke lever setting	Set choke lever to open
	Dirty air filter	Clean the air filter
	Incorrect carburettor setting	Contact an authorised 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 carburettor setting	Contact an authorised customer service outlet
Engine smokes excessively	Incorrect fuel mix	Use the correct fuel mix see fuel mixing table
	Incorrect carburettor 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: **HYMT33**

Type/Serial No: **Multi-Tool**

Electric power: **Power in kW**

Net installed power: **1.45 kW**

Cutting width: **900 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.

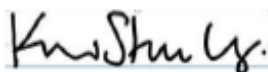
Place of Declaration: **Pembroke Dock, SA72 4RW**

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**

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[www.hyundaipowerequipment.co.uk](http://www.hyundaipowerequipment.co.uk)