

DRAPER[®]

INSTRUCTIONS FOR 26cc Petrol Line Trimmer

Stock No. 14160 Part No. GTP26

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.

ATTENTION!!
2 stroke engines **MUST** be filled with
unleaded fuel MIXED with 2 stroke oil.
Failing to add oil or incorrectly mixing the oil
WILL result in running problems or
ENGINE FAILURE!



CE

DRAPER[®]

GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself. All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product. Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.



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1. GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

A proof of purchase must be provided with the tool.

Should the machine develop any fault, please return the complete tool to your nearest authorized warranty repair agent or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF, England. Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge.

This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

NOTE: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly. This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12 month period. Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited



2. SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Stock no.	14160
Part no.	GTP26
Fuel tank volume	600cm ³
Engine displacement	26cm ³
Maximum engine performance ¹	0.75kW
Engine speed (rotational frequency) ²	10,000min ⁻¹
Engine speed (rotational frequency) ³	3,000min ⁻¹
Fuel consumption ¹ at maximum engine performance	722g/kWh
Sound pressure level (A-weighted L _{pAav}) ⁴	102dB(A)
Sound power level (A-weighted L _{WAav}) ⁴	112dB(A)
Single value noise level ⁵	112dB(A)
Vibration level ⁶	10.5m/s ²
Mass (power unit only, without fuel)	4.2kg

ALWAYS WEAR SUITABLE AND APPROVED PERSONAL PROTECTIVE EQUIPMENT.

¹ In accordance to ISO 8893.

² At recommended maximum spindle rotational frequency.

³ At idling.

⁴ In accordance to BS EN ISO 22868.

⁵ A-weighted sound pressure level in accordance to 2000/14/EC

⁶ In accordance to BS EN ISO 22867.

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.

The declared vibration total value may also be used in a preliminary assessment of exposure.

WARNING! The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used.

WARNING! Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

SCOPE: This domestic, portable hand-held 2 stroke power unit is designed exclusively for connection to a range of Draper Tools' accessories [detailed in this documentation] enabling the operator to perform a range of maintenance tasks in and around the garden.

⚠ ATTENTION! Any other application is considered misuse.



3. SAFETY INSTRUCTIONS

⚠ WARNING! For your safety, please read and understand these instructions before assembling, operating or maintaining this machine.

⚠ WARNING! Read the instructions carefully. Never attempt to modify or operate a modified machine. Fully assemble this machine, including all relevant guards, before operating. Do not operate this machine without being completely familiar with the safety features and how to operate them.

Never operate this machine if the stop switch is faulty or not functioning.

Never operate this machine while tired, ill or under the influence of drugs.

DANGER! Keep out of the reach of children.

Refer to the instructions supplied with the attachment. Fully read and understand before attempting to assemble, operate or maintain the attachment.

Never allow people unfamiliar with these instructions to operate this machine. Local regulations may restrict the age of the operator.

Prior to each use, inspect the machine for signs of damage. Make sure the safety features are present and functioning and that all visible nuts, bolts and screws remain tight. Vibration from normal use can cause them to loosen over time.

Never operate this machine with defective or missing guards.



⚠ WARNING! Use of this product can pose a danger to wildlife. Before attempting to use this machine, check the area, particularly long grass and under bushes for signs of life: if necessary relocate. **NOTE:** Not all animals will be deterred by the noise of the product alone.

Do not operate this machine near animals or bystanders.

Check the attachment is correctly fitted to the machine before attempting to start the engine.

CAUTION! As the user you are responsible for any injury to people or damage to property.

Never leave this machine running when not in use or leave it unattended during use.

⚠ WARNING! During use the engine gets very hot. Do not touch it, especially the exhaust.

Always be aware of your surroundings, staying alert for possible hazards that you may not hear over the noise of the engine.

Always wear appropriate PPE [Personal Protective Equipment]. Details of PPE specific to the attachment can be found in the appropriate manual. In all cases

- Safety goggles must be worn to protect your eyes from debris.
- Ear defenders must be worn to prevent damage to your hearing.
- Gloves to help reduce vibration fatigue.

Wear fitted clothing and remove items likely to become drawn in, for example, ties, scarfs, and jewellery. Also, if applicable, tie back long hair.

For outdoor use only.

Stop the engine before adjusting, refueling or maintaining anything on this machine.

Always maintain a safe and secure position on level ground while operating this product.

Beware of the conditions under foot. If work on a slope is unavoidable, always be sure of your footing.

Keep all handles and switches free from oil, fuel and moisture.

Always operate the machine with two hands.

Operate the machine using the harness supplied. Make sure it is suitably adjusted to the correct size. This will help prevent fatigue.

Make sure the attachment does not operate while the machine is at idle.

Only use fresh, clean, and good quality unleaded fuel mixed with synthetic 2 stroke oil in a ratio of 40:1.

Stop the engine and allow it to cool before refuelling.

Never refuel in close proximity to naked flames, sparks or other sources of ignition for example cigarettes.

Take care when filling and use a funnel to prevent any spillage. Should a spillage occur, immediately use a suitable rag to clean up any residue.

Handle and store fuel with care as it is highly flammable.

Do not inhale fuel or exhaust fumes as they are toxic.

To reduce the risk of fire, keep the engine and exhaust free from debris, oil and fuel.

Do not set this machine down on or near easily combustible material, for example dry leaves or grass.



3. SAFETY INSTRUCTIONS

Move away from the refuelling area before attempting to restart the engine.

Only store fuel for short periods of time and avoid mixing more than is required. Only store in a container specifically designed for petrol and away from heat or direct sunlight.

If the machine starts to vibrate abnormally or starts making unusual noises stop the engine immediately. Investigate the problem or return the machine to an authorized service agent.

MAINTENANCE

Always maintain this machine in good working order and regularly serviced by an authorized service agent.

Only use genuine replacement parts supplied by the manufacturer.

STORAGE

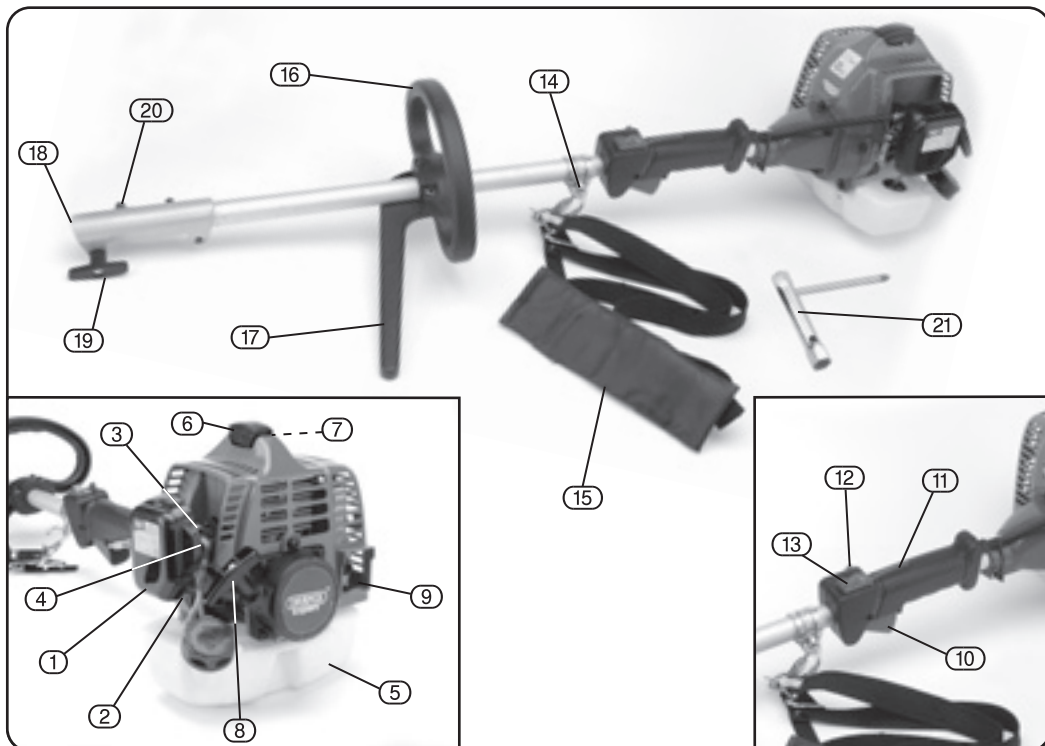
After each use, clean the machine thoroughly. Remove the spark plug ignition lead from the back of the spark plug to disable the engine from starting.

Store the machine out of the reach of children and in a locked, dry location.

Remove all residual fuel from the fuel tank before storing. Fuel quality deteriorates over a couple of months causing starting/running problems.

Store the machine in a horizontal position. Do not stand upright with the engine on the floor.

4. IDENTIFICATION GUIDE



2 Stroke Engine:

- (1) Air filter housing.
- (2) Fuel primer.
- (3) Carburettor.
- (4) Choke lever.
- (5) Fuel tank.
- (6) Spark plug cover [H.T. lead].
- (7) Spark plug [NHSP L8RTF or Oregon O-PR17Y].
- (8) Pull start assembly.
- (9) Exhaust.

Rear Handle:

- (10) Throttle lever.
- (11) Throttle release lever.

- (12) Throttle lock [start position].
- (13) Engine stop switch.

Output Shaft:

- (14) Harness attachment point.
- (15) Harness strap.
- (16) Front [auxiliary] handle.
- (17) Reaction bar.
- (18) P.T.O. [power take off].
- (19) P.T.O. locking handle.
- (20) P.T.O. release button.

Tools:

- (21) Combination tool.

- **UNPACKING:** After removing the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the product and contact the dealer from whom it was purchased.
- The packaging materials (plastic bags, polystyrene, etc.), must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

5.1 ATTACHING THE FRONT HANDLE (Fig.1):

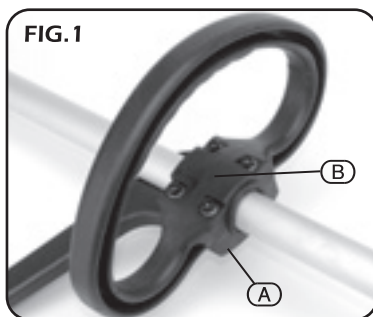
WARNING! This machine must be operated with two hands at all times. Attach the handle and reaction bar on the output shaft, a comfortable distance from the rear handle.

① **Before** fitting the handle, refer to 4. IDENTIFICATION GUIDE to make sure you are positioning it correctly with the reaction bar pointing to the left.

- Push the lower bracket (A) on to the underside of output shaft.
- Align the hole in the handle (B) with those in the bracket (A) and push it on to the output shaft.
- With the four 4mm hex. socket head bolt and washers, fix the two halves together.

The lower bracket has four nuts recessed in the back.

- Before tightening the bolts, make sure the distance from the rear handle is comfortable and that the reaction bar is level. Clamp the handle tight.



5.2 CONNECTING AN ATTACHMENT

Listed below are the current authorized attachments, available from Draper Tools, designed exclusively to connect to this machine.

- Brush cutter attachment GTA1 stock no.14161.
- Pole pruner attachment GTA2 stock no.14162.
- Hedge trimmer attachment GTA3 stock no.14163.
- Blower attachment GTA4 stock no.14164.
- 650mm Extension pole GTA5 stock no.14165.
- Line trimmer attachment GTA6 stock no.19212.

Do not attempt to connect non-genuine accessories as it may result in injury or cause damage to this machine.

Please refer to the user manual associated with the relevant attachment for detailed safety and connection instructions.

6. OPERATION & USE

6.1 FUELLING (Fig.2):

This Draper petrol product is powered by a 2 stroke engine which **MUST** be filled with **unleaded fuel MIXED with 2 stroke oil**. Failing to add oil or incorrectly mixing the oil and fuel can result in running problems or engine failure. Any machine returned under warranty which is found to have failed due to a lack of lubrication will be considered a chargeable repair.

Only use fresh, clean, and good quality **unleaded fuel** mixed with **synthetic 2 stroke oil** in a ration of **40:1**.

- ① **Before** attempting to fuel this machine make sure you have completely read and understood the safety instructions.

DANGER! Fuel is highly flammable.

- i. Open the fuel cap (C) by turning it anticlockwise. Hang it to one side so that it does not block the opening.
- ii. Combine fuel and 2 stroke oil to create a 40:1 mixture. Pour clean, fresh unleaded fuel in to a fuel mixing bottle observing the first marking. Then top up the container with oil to the second. Secure the cap and shake well to fully mix the 2 stroke fuel.

Example: Add 25ml of synthetic 2 stroke oil in to 1,000ml (1litre) unleaded fuel and shake well to produce a 40:1 (2.5%) mix.

Fuel quality degrades rapidly: Avoid storing fuel by mixing only what you require. Using fuel that has degraded will cause starting/running problems.

- iii. Carefully pour the mixture into the fuel tank filling it while taking care not to spill or waste any. Have a rag to hand to clean away any residue or spilt fuel.
- iv. Replace the fuel cap (C) making sure it is seated properly before tighten clockwise. If the threads become crossed it will damage the tank. It may also result in fuel leaking out during use and potentially igniting fire.



FIG.2

6.2 CORRECT STANCE (Fig.3):

This machine must be operated on the right hand side of your body and firmly held with both hands at all times. Hold the rear handle with your right hand and the front handle with your left.



FIG.3

6. OPERATION & USE

6.3 HARNESS ATTACHMENT (Fig.4 & 5):

The harness (D) is supplied to help reduce user fatigue [tiredness].

- i. Pass your head and right arm through the harness (D) and position the attachment point by your right hip.
 - ii. Make sure the D ring (E) is clipped on to the attachment point (F).
 - iii. Pass the harness bracket (G) through the D ring (E) and push the flat pin (H) in place to lock.
- ① This functions as a quick release: pulling the tab attached to pin (H) will release the harness from the machine.

FIG.4

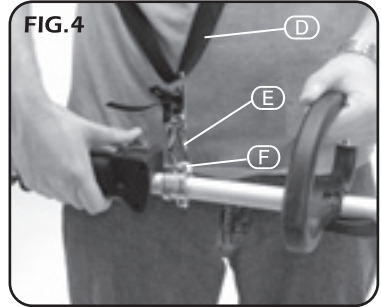
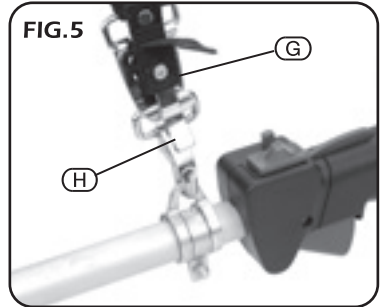


FIG.5



Do not attempt to start this machine until you have read and understood all the safety instructions.

6.4 STARTING THE ENGINE (Fig.6 - 8):

WARNING! In an emergency, slide the engine stop switch (I) forward to kill the engine.



- i. Slide the engine stop switch (I) backward.
 - ii. Grip the front handle: squeeze [and hold] the throttle release lever (J), followed by the throttle lever (K).
 - iii. Press the throttle lock button (L) while releasing the throttle release lever (J) and throttle lever (K).
- ① The lock button will remain down holding the throttle in the start position.
- iv. **Cold starts** - close the choke to restrict the amount of air entering the engine. Slide the choke lever (M) to the  position.
 - Warm starts** - open the choke to increase the amount of air entering the engine. Slide the choke lever (M) to the  position.
 - v. Prime the engine with fuel. Press the fuel primer (N) 3 or 4 times. The primer (N) and fuel line from the tank should have fuel present.
- ① **ATTENTION!** Over priming will cause the engine to flood with too much fuel. This will engulf the spark plug and stop the engine from starting. There will be a stronger smell of fuel when this occurs.

FIG.6

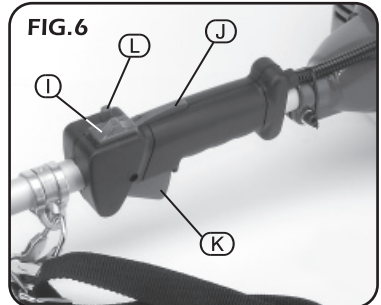
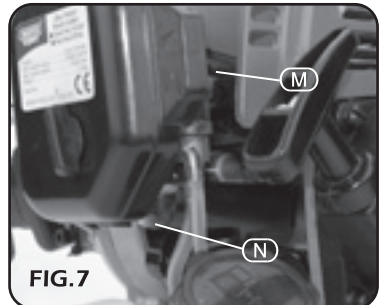


FIG.7



6. OPERATION & USE

- vi. Grip the neck of the motor unit with your left hand holding the machine firmly on the ground. Crouch over the machine while maintaining firm footing.

ATTENTION! Do not stand or apply any pressure on to the output shaft.

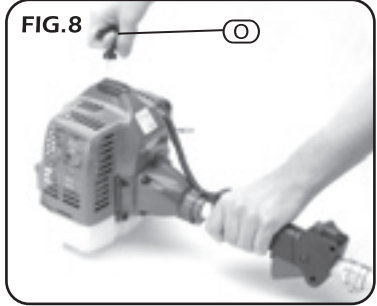
- vii. With your right hand hold the pull start handle (O).
- viii. Make 2 or 3 short, sharp pulls of the starter or until the engine starts. If the engine does not start by the fifth crank, move the choke setting.

WARNING! Do not pull the starter rope out fully as it may break. Do not release the starter rope and allow it to recoil unaided

- ix. When the engine starts, pull throttle lever (K) (Fig.6) to release the 'start' position.
- x. When the engine has been running for a few minutes open the choke fully.

- ① **ATTENTION!** The majority of engines have an initial period in which the internal components bed themselves in. This engine is no different. During this the first 5 or 6 tank fulls [bedding in period], running the engine in the very high rev. range must be avoided as the stresses involved can cause damage to the engine.

FIG.8



7. MAINTENANCE

Regular maintenance tasks must be carried out at specific intervals to retain the engine's performance.

7.1 CLEANING THE AIR FILTER (Fig.9):

A dirty, clogged air filter will restrict the air flow in to the engine and will cause rough running. It will increase fuel consumption and may result in starting problems.

ATTENTION! Stop the engine before removing the air filter assembly.

- i. Set the choke to the closed position to prevent any debris entering the carburetor inlet.
 - ii. Turn screw (P) anticlockwise to remove it.
 - iii. Lift cover (Q) away at the bottom, then lift it free from the tab at the top.
 - iv. Remove and wash the foam air filter in warm soapy water to clean it. Do not use solvents to clean it.
 - v. Allow the filter to dry 100% before refitting it on to the engine.
 - vi. Refit cover (Q).
 - vii. Insert screw (P) and turn clockwise to tighten.
- Replace the filter if it appears worn or damaged.

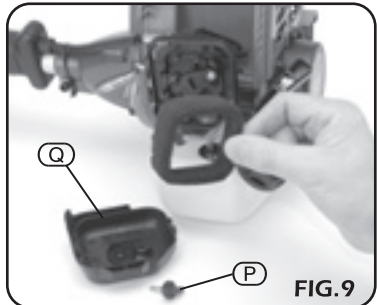


FIG.9

7.2 SPARK PLUG MAINTENANCE (Figs.10 & 11):

Over time the spark plug can become contaminated. This can be due to adverse running conditions such as, working with part throttle for a prolonged period or a fuel mix containing too much oil. This contamination can build up causing the engine to run roughly, reduce the fuel consumption or create starting problems.

- Without using any tools [so as to avoid damaging the H.T. lead] remove the lead (R) from the back of the spark plug.
- With the combination tool, turn the spark plug (S) anticlockwise to remove it.
- Clean the spark plug and check the electrode gap. Maintain a gap of 0.6 to 0.7mm.

ⓘ **ATTENTION!** The spark plug should be replaced every 60 hours of machine use or annually during a service. The replacement plug must be an NHSP L8RTF, Oregon O-P17Y or another compatible resistor type plug with the same heat range.

- Make sure you correctly seat the spark plug thread in to the engine before screwing it clockwise in to the head.
- Tighten the spark plug (S) using combination tool, before replacing the H.T. lead (R). The rubber surround of the H.T. lead cap should be tucked inside the plastic housing of the body to make sure of a good connection with the spark plug.

FIG.10

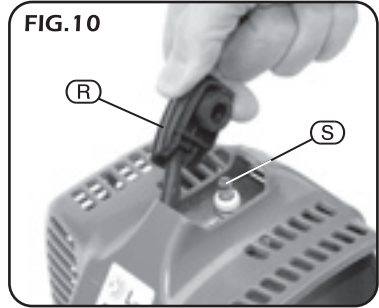


FIG.11



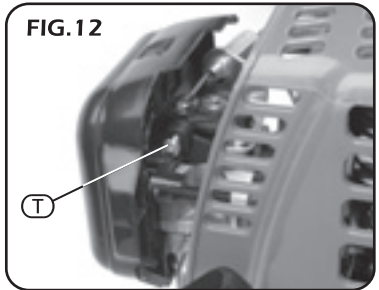
7.3 ENGINE IDLE SPEED ADJUSTMENT (Fig.12):

With the engine running at idle the attachment must not operate. For example, the brushcutter blade must not spin while the engine idles.

Adjust as necessary.

- Run the engine until it is warm.
- Turn screw (T) anticlockwise to decrease the engine idle speed.

FIG.12



7.4 REPLACING THE FUEL FILTER (Fig.13):

To make sure the supply of fuel remains clean there is a small fuel filter attached to the pick-up tube inside the fuel tank. This must be checked regularly and replaced when clogged.

- Drain fuel tank completely.
- Gently pull the fuel tank cap and chain to release the spring clip (U) from inside the tank mouth.
- Tilt the engine so that the fuel tank opening is the lowest point and shake. This will cause the fuel filter (V) to fall in to reach.

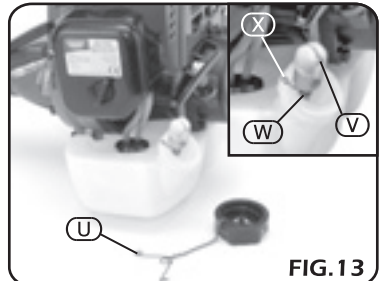


FIG.13

7. MAINTENANCE

- iii. Gently pull the filter clear of the tank mouth.
- iv. Without letting go of the pick-up line (W), squeeze the hose clip (X) and move it away from the filter.
- v. While still holding the fuel line, pull the clogged filter off and insert the clean filter.
- vi. Reposition the hose clip (X) to grip the fuel line on to the filter.
- vii. Push the filter back inside the tank.
- viii. Squeeze the spring clip (U) and push it back inside the mouth of the fuel tank.

8. TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SUGGESTED REMEDY
1. Engine will not start.	Engine stop switch activated.	Slide stop switch back to on position.
	Little or no fuel.	Mix up a fresh batch of 40:1 [fuel with 2 stroke oil] and refill.
	Stagnant fuel (fuel has been stored too long).	Drain fuel tank. Mix up a fresh batch of 40:1 [fuel with 2 stroke oil] and refill.
	Spark plug electrode fouled or the gap is incorrectly set.	Remove and service/replace spark plug
	Spark plug H.T. lead not properly connected.	Push H.T. lead on firmly and make sure the engine housing is not preventing a good connection.
	Choke set incorrectly for the starting conditions.	Move the choke to the other setting and try again.
	Air filter clogged.	Clean/replace air filter.
	Engine flooded with fuel (the engine has been over primed]	Remove spark plug and dry the electrode of fuel. Pull the start handle 2 or 3 times without the spark plug fitted. Wait a moment before refitting the spark plug and trying again.
2. Engine will not restart after refuelling.	Fuel filter clogged	Replace fuel filter [in fuel tank].
	No fuel in the lines.	If the engine was run until starved of fuel, repriming may be necessary to purge any air from the fuel supply line.



8. TROUBLESHOOTING

PROBLEM	PROBABLE CAUSE	SUGGESTED REMEDY
3. Engine runs roughly.	Choke set incorrectly. Service due. Stagnant fuel (fuel has been stored too long).	Adjust choke. Clean/replace air filter and spark plug. Drain fuel tank. Mix up a fresh batch of 40:1 [fuel with 2 stroke oil] and refill.
4. Heavy blue smoke from exhaust.	The fuel, oil mix is incorrect.	Drain fuel tank. Mix up a fresh batch of 40:1 [fuel with 2 stroke oil] and refill.



9. DISPOSAL

- At the end of the product's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.

In all circumstances:

- Do not dispose with domestic waste.
- Do not incinerate.
- Do not abandon in the environment.
- When decommissioning [preparing the machine to be scrapped] drain any remaining fuel and oil for separate disposal.



10. EXPLANATION OF SYMBOLS/PICTOGRAMS



Read the instruction manual.



Wear gloves.



Always wear personal protective equipment, ear defenders, face protection & a helmet.



Wear safety footwear.



Single value noise marking.
(maximum declared A-weighted sound power level in decibels).



Keep away from sources of ignition.

10. EXPLANATION OF SYMBOLS/PICTOGRAMS



Do not use in the wet.



Do not breath toxic fumes.



Caution!



NOTES



CONTACTS

- **DRAPER TOOLS LIMITED,**
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- **E-mail:** sales@drapertools.com
- **Sales Fax:** (023) 8049 4209
- **General Enquiries:** (023) 8026 6355
- **Service/Warranty Repair Agent**
For aftersales servicing or warranty repairs, please
contact the Draper Tools Helpline for details of an
agent in your local area.

YOUR DRAPER STOCKIST

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