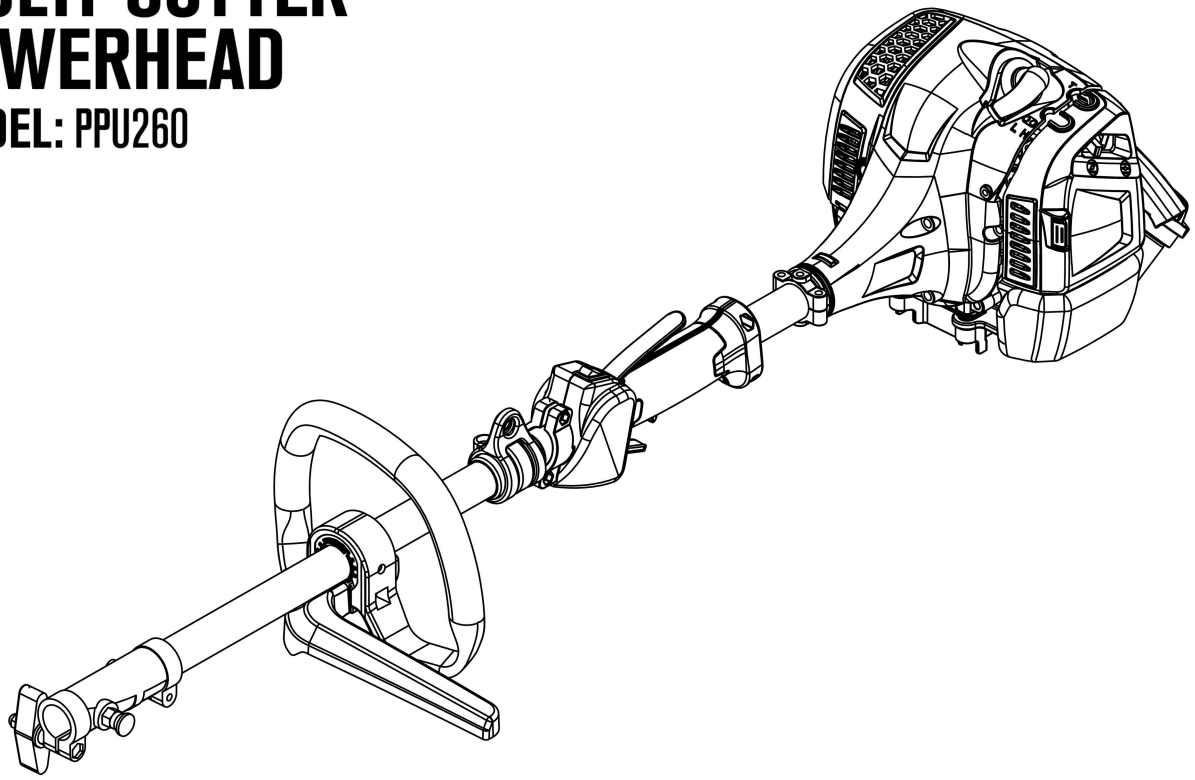
PRORUN®

GAS///

Operator's Manual

MULTI-CUTTER POWERHEAD

MODEL: PPU260



Everything PRORUN

Before operating, read the instructions.

⚠ **IMPORTANT - READ CAREFULLY BEFORE USE**

⚠ **IMPORTANT SAFETY INSTRUCTIONS – SAVE THESE INSTRUCTIONS**

WARNING: To reduce the risk of injury, the user must read and understand the Operator's Manual before using this product. Save these instructions for future reference.

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proruntech.com ★★★★★

1-844-905-0882, info@proruntech.com

Version: B - Issue Date: 2023/07/25

CONTENS

HOW TO READ THE MANUAL

⚠WARNING Certain paragraphs in the manual contain particularly significant information and are marked with various levels of highlighting with the following meaning:

NOTE or IMPORTANT

These give details or further information on what has already been said, and aim to prevent damage to the machine or cause other damage. Non-observance will result in the risk of serious injury or death to oneself or others.

GETTING TO KNOW MACHINE

1. INFORMATION OF SYMBOLS

WARNING! A engine can be dangerous if used incorrectly or carelessly, and can cause serious or fatal injury to the operator or others. It is extremely important that you read and understand the contents of this owner's manual.

Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

Always wear:

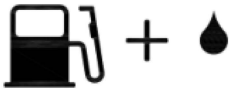
- A protective helmet where there is a risk of falling objects.
- Approved hearing protection and eye protection.

Always wear approved protective gloves.

Wear sturdy, non-slip boots.

The exhaust system, muffler shield and cylinder of this engine are hot when the engine is running or within a few minute after stopping the engine.Taking care and avoid coming into contact with a hot surface.

Guarantee A-weighted emission noise power lever



Fuel mixture tank, This machine shall always use a mixture of petrol and two-stroke oil

Close the choke.

Open the choke.

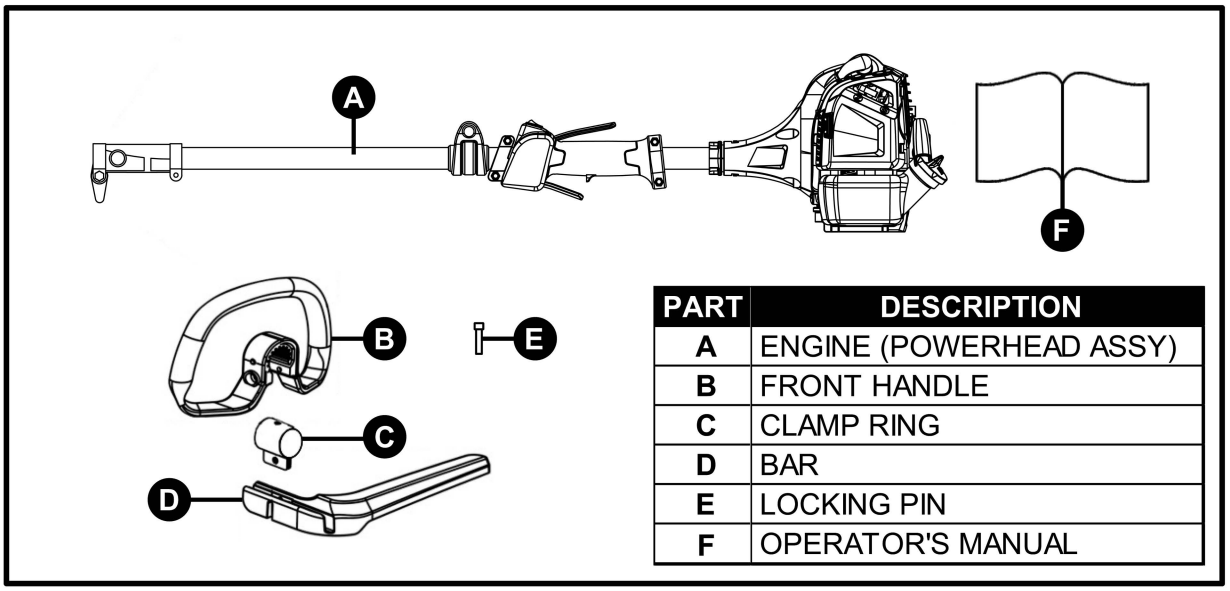
The screw beside the "T" stamp is The Idle-speed adjustment screw.

The screw beside the "H" stamp is The High-speed adjustment screw.

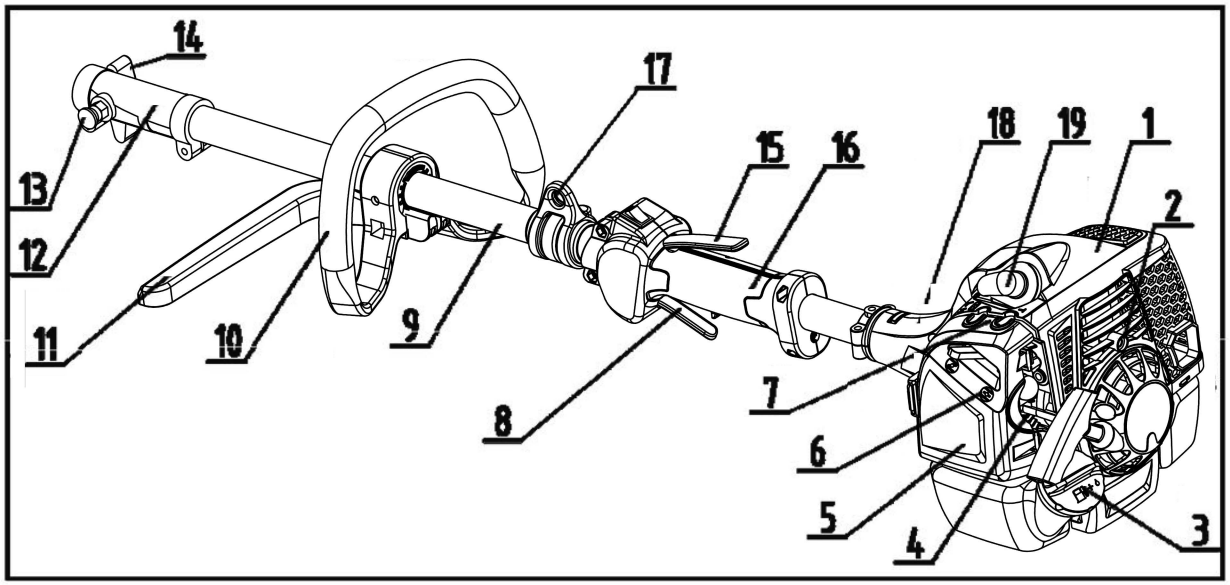
The screw beside the "L" stamp is The Low-speed adjustment screw.

2. IDENTIFICATION

Components and Controls



PART	DESCRIPTION
A	ENGINE (POWERHEAD ASSY)
B	FRONT HANDLE
C	CLAMP RING
D	BAR
E	LOCKING PIN
F	OPERATOR'S MANUAL



1 Engine (1E34F-4)
2 Starter handle
3 Fuel tank cap
4 Primer bulb
5 Ail filter cover
6 Choke knob
7 Idle speed screw
8 Throttle trigger
9 Rear tube
10 Front handle
11 Barrier
12 Connector
13 Locking pin
14 Locking knob
15 Throttle trigger lockout
16 Rear handle
17 Suspension ring
18 Output flange
19 Spark plug cap

SAFETY REGULATIONS

1) IMPORTANT

Please read the operator's manual carefully. Become familiar with the owner's manual before attempting to operate the equipment.
Long-term exposure to noise can result in permanent hearing impairment. Always use approved hearing protection.
Under no circumstances may the design of the machine be modified without the permission of the manufacturer.
Always use genuine accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.
This machine can cause serious injuries if used incorrectly or carelessly and can cause serious or fatal injury to the operator or others. It is extremely important that you read and understand the contents of this operator's manual.
Become familiar with all controls and proper use of the machine, including the correct handling, preparation, maintenance, starting and stopping of the machine.
Beware of overhead power lines.
Avoid operating while people, animals, and especially children, are nearby. The machine operator must ensure that no people or animals come closer than 50 feet (15.25 meters) while working.
Keep firm footing and balance during operation. Use the harness provided.
Always ensure that all handles are fitted when using the machine. Never attempt to use an incomplete machine or one fitted with an unauthorized modification.
Always use two hands to operate this machine.
While operating this machine, always ensure that the operating position is safe and secure.
Always be aware of your surroundings and stay alert for possible hazards of which you may not be aware of due to the noise of the machine.
Stop the engine before

- Cleaning or when clearing a blockage.
- Checking, carrying out maintenance, or working on the machine.
- Adjusting the working position of the cutting device.
- Leaving the machine unattended.

Always ensure a correct working poster. Safe operation requires sufficient rest periods and changing working positions.
Never use the machine if you are tired, if you are ill, if you have consumed alcohol, or if you are taking medication that could affect your vision, your judgement or your coordination.
Wear personal protective equipment. See instructions under the heading "Personal protective equipment".
Never use a machine that has been modified in any way from its original specification.
Never use a machine that is faulty. Carry out the checks, maintenance, and service instructions described in this manual. Some maintenance and service measures must

be carried out by trained and qualified specialists. Contact PRORUN Customer Service. See instructions under the heading “Routine maintenance”.
Disconnect the spark plug cap from the spark plug and take the following steps:

- Inspect for damage.
- Check for, and tighten, any loose parts.
- Have any damaged parts replaced or repaired with parts.

All covers, guards, and handles must be fitted before starting. Ensure that the spark plug cap and ignition lead are undamaged to avoid the risk of electric shock.
Never allow children or people unfamiliar with these instructions to use the machine. Local laws can restrict the minimum age of the operator.
Secure the machine during transport to prevent loss of fuel, damage, or injury.
Clean and maintenance machine before storage: including guards, attachments, and metal blades.
Alert! National regulations (Occupational Safety and Health and/or environment) may be present that can restrict the use of the machine;
Daily inspect the machine before use and after dropping or other impacts to identify any significant defects.
During a working day, you should take frequent and adequate breaks to prevent damage from vibration and damage to the ears.

⚠WARNING **This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician(s) and the medical implant manufacturer before operating this machine.**

The exhaust gases emitted from engine contain dangerous carbon monoxide. Running an engine in a confined or badly ventilated area can result in death due to asphyxiation or carbon monoxide poisoning.

Prolonged exposure to vibrations can cause injuries and neurovascular disorders (also called “Raynaud’s syndrome” or “white hand”), especially to people suffering from circulation disorders. The symptoms can effect the hands , wrists and fingers and may be exhibited through loss of sensitivity, torpor, itching, pain and discolouring of or structural changes to the skin. These effects can be worsened by low ambient temperatures and/or by gripping the handgrips excessively tightly. If the symptoms occur, the length of time the machine is used must be reduced and a doctor consulted.

2) PERSONAL PROTECTIVE EQUIPMENT

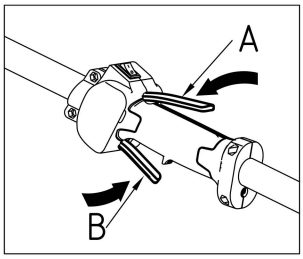
IMPORTANT! You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen. Ask

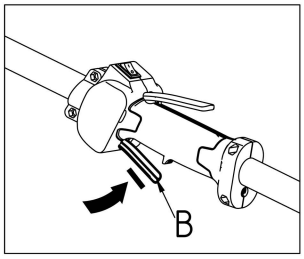
your dealer for help in choosing the right equipment.
Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the engine stops.
HELMET A protective helmet where there is a risk of falling objects.
HEARING AND EYE PROTECTION Wear hearing protection that provides adequate noise reduction. Always wear approved eye protection.
GLOVES Gloves should be worn when necessary, e.g., when fitting cutting attachments.
BOOTS Wear boots with steel toe-caps and non-slip sole.
CLOTHING Wear clothes made of a strong fabric and avoid loose clothing that can catch on twigs and branches. Always wear heavy, long pants. Do not wear jewellery, shorts, sandals, or go barefoot. Secure hair so it is above shoulder level.
FIRST AID KIT Always have a first aid kit nearby.

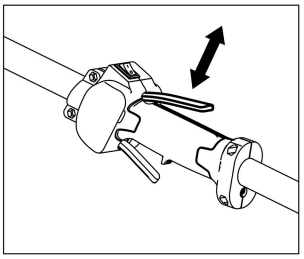
3) MACHINE'S SAFETY EQUIPMENT

WARNING! Never use a machine with faulty safety equipment. The machine's safety equipment must be checked and maintained as described in this section. If your machine fails any of these checks contact PRORUN Customer Service.

3.1 Throttle lockout

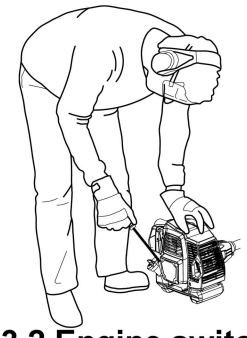
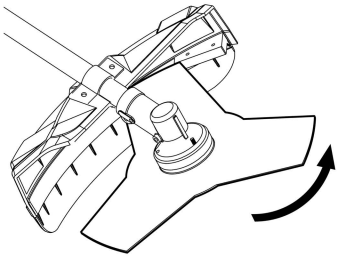
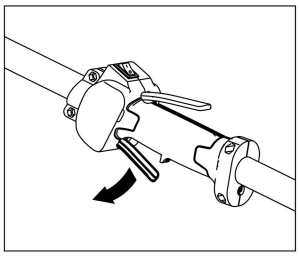




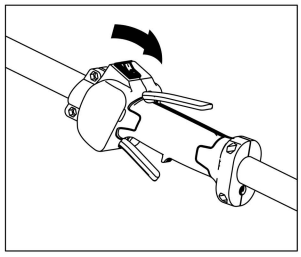


The throttle lockout is designed to prevent accidental operation of the throttle control. When you press the lock-out (A) (i.e. when you grasp the handle) it releases the throttle trigger (B). When you release the handle the throttle control and the throttle lockout both move back to their original positions. This movement is controlled by two independent return springs. This arrangement means that the throttle control is automatically locked at the idle setting.

Make sure the throttle control is locked at the idle setting when the throttle lockout is released.
Press the throttle lockout and make sure it returns to its original position when you release it.
Check that the throttle control and throttle lockout move freely and that the return springs work properly.
See instructions under the heading Start. Start the machine and apply full throttle. Release the throttle and check that the cutting attachment stops and remains at a standstill. If the cutting attachment rotates with the throttle in the idle position then the carburettor idle setting must be checked. (See instructions under the heading Routine maintenance)

3.2 Engine switch



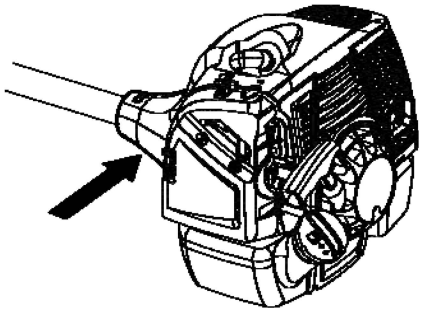
STOP

Press down the “O” side of the engine switch to stop the engine.

Start the engine and make sure the engine stops when you move the engine switch to the stop setting.

3.4 Vibration damping system

Your machine is equipped with a vibration damping system that is designed to minimize vibration and make operation easier.



Using incorrectly wound cord or a blunt or incorrect cutting attachment (wrong type or incorrectly filed, see instructions under the heading Filing the blade) increases the level of vibration.

The machine′s vibration damping system reduces the transfer of vibration between the engine unit/cutting equipment and the machine′s handle unit.

Regularly check the vibration damping units for cracks or deformation.

Check that the vibration damping element is undamaged and securely attached.

3.5 Quick release

There is an easily accessible, quick release fitted near the suspension ring as a safety precaution in case the engine catches fire, or in any other situation that requires you to free yourself from the machine.

3.6 Muffler

The muffler is designed to keep noise levels to a minimum and to direct exhaust fumes away from the user.

Never use a machine that has a faulty muffler.

Regularly check that the muffler is securely attached to the machine.

⚠WARNING **The inside of the muffler contain chemicals that may be carcinogenic. Avoid contact with these elements in the event of a damaged muffler.**

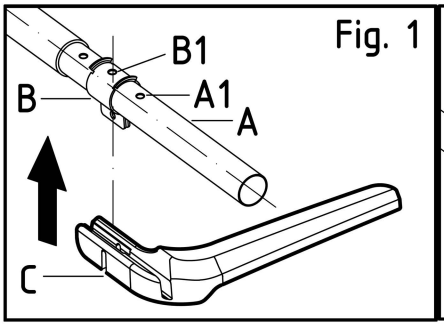
Bear in mind that: The exhaust fumes from the engine are hot and may contain sparks which can start a fire. Never start the machine indoors or near combustible material!

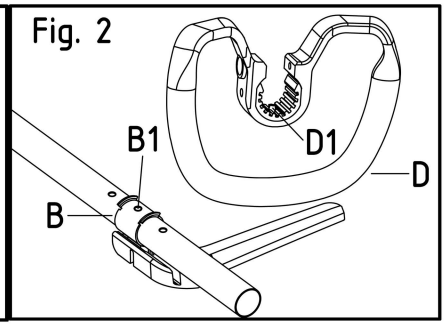
OPERATING INSTRUCTIONS

1) PREPARE THE MACHINE

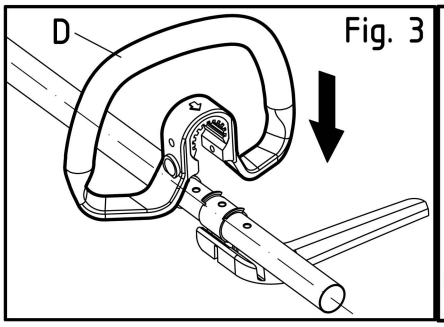
1.1 Assembling the front handle

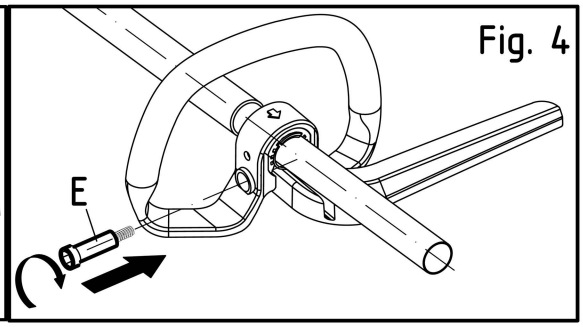
Align the position hole (B1) on the clamp ring (B) with one position hole (A1) of three on the tube/ rear tube (A), and then fit the barrier (C) on the clamp ring, and while aligning hole on clamp ring and the groove on spacer block. (Fig. 1)
Align the position pin (D1) on the front handle (D) with the position hole (B1) on the clamp ring (B). (Fig. 2)



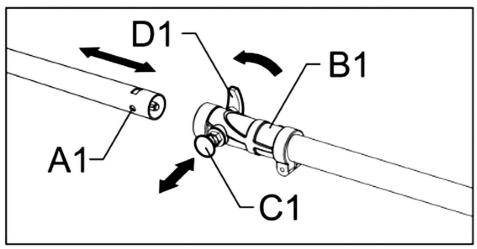


Push down the front handle (D) until the hole on the front handle aligned to the groove on the spacer block. (Fig. 3)
Insert the locking screw into the front handle, and then turn it clockwise to tighten the front handle. (Fig. 4)





1.2 Connecting the tube



Connecting the attachment to the gas multi-tool powerhead

1. Align the round hole (A1) on the attachment's front tube and the lock pin (C1).
2. Pull the lock pin out while inserting the attachment tube into the connector (B1). Push the attachment tube to the end until the lock pin aligns with the round hole.
3. Release the lock pin, it will return to its original position automatically and insert itself into the round hole on the attachment tube.
4. Make sure the attachment's tube cannot be rotated after the lock pin is back to its original position.
5. Turn the lock knob (D1) clockwise to tighten the attachment tube securely.

Shoulder harness

⚠WARNING **When using a brush cutter, pole saw, pole hedge trimmer, or edger attachments, ensure that they are hooked securely to the harness. Otherwise you will be unable to control the machine safely and this can result in injury to yourself or others.**

Never use a harness with a defective quick release.

At the front is an easily accessible quick release. Use this if the engine catches fire or in any other emergency situation that requires you to free yourself from the machine and harness.

A well-adjusted harness and machine makes work much easier. Adjust the harness for the best working position. Tension the side straps so that the weight is evenly distributed across both shoulders.

2) FUEL HANDLING

2.1 Fuel safety

Never start the machine:

- If you have spilt fuel on it. Wipe off the spillage and allow remaining fuel to evaporate.
- If you have spilt fuel on yourself or your clothes, change your clothes. Wash any part of your body that has come in contact with fuel. Use soap and water.
- If the machine is leaking fuel. Check regularly for leaks from the fuel cap and fuel lines.

2.2 Transport and storage

- Store and transport the machine and fuel so that there is no risk of any leakage or fumes coming into contact with sparks or naked flames, for example, from electrical machinery, electric motors, or electrical relays/ switches or boilers.
- When storing and transporting fuel always use approved containers intended for this purpose.
- When storing the machine for long periods the fuel tank must be emptied. Contact your local petrol station to find out where to dispose of excess fuel.
- Ensure the machine is cleaned and that a complete service is carried out before long-term storage.
- Secure the machine during transport.
- The spark plug cap must always be removed in order to prevent unintentional starting of the engine during long-term storage, if the machine is not under close supervision, and when performing all service measures.

⚠WARNING **Take care when handling fuel. Bear in mind the risk of fire, explosion, and inhaling fumes.**

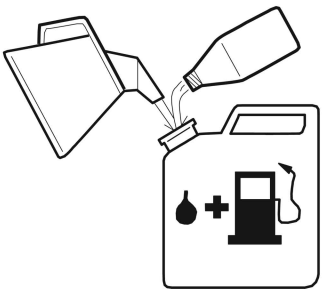
2.3 Fuel

The machine is equipped with a two-stroke engine and must always been run using a

mixture of petrol and two-stroke oil. It is important to accurately measure the amount of oil to be mixed to ensure that the correct mixture is obtained. When mixing small amounts of fuel, even small inaccuracies can drastically affect the ratio of the mixture.

⚠WARNING **Fuel and fuel fumes are highly inflammable and can cause serious injury when inhaled or allowed to come in contact with the skin. For this reason observe caution when handling fuel and make sure there is adequate ventilation.**

2.4 Petrol



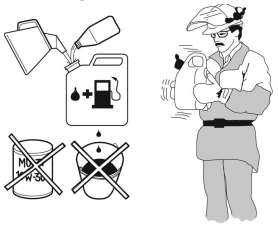
Always use a quality petrol/oil mixture at least 87 (AKI) octane. If your machine is equipped with a catalytic converter (see chapter on Technical data) always use a good quality unleaded petrol/oil mixture. Leaded petrol will destroy the catalytic converter.
Use low-emission petrol, also known as alkylate petrol, if it is available.
The lowest octane recommended is 87 (AKI). If you run the engine on a lower octane grade than 87, so called knocking can occur. This gives rise to a high engine temperature, which can result in serious engine damage.
When working at continuous high revs a higher octane rating is recommended.

2.5 Two-stroke oil

For best results and performance use two-stroke engine oil, which is specially formulated for our air-cooled two-stroke engines.
Never use two-stroke oil intended for water-cooled engines, sometimes referred to as outboard oil (rated TCW).
Never use oil intended for four-stroke engines.
A poor oil quality and/or too high oil/fuel ratio may jeopardise function and decrease the life time of catalytic converters.
To obtain the proper gasoline and 2-cycle oil mixture, mix 2.6 fluid ounces of 2-cycle oil with 1 gallon of unleaded gasoline into an approved container. Then gently agitate the container to thoroughly mix the gasoline/2-cycle oil.

2.6 Mixing

- Always mix the petrol and oil in a clean container intended for fuel.



- Always start by filling half the amount of the petrol to be used. Then add the entire amount of oil. Mix (shake) the fuel mixture. Add the remaining amount of petrol.
- Mix (shake) the fuel mixture thoroughly before filling the machine's fuel tank.
- Do not mix more than one month's supply of fuel at a time.
- If the machine is not used for some time the fuel tank should be emptied and

cleaned.

2.7 Fueling

Taking the following precautions, will lessen the risk of fire:
Do not smoke or place hot objects near fuel.
Always shut off the engine before refueling.
Always stop the engine and let it cool for a few minutes before refueling.
When refueling, open the fuel cap slowly so that any excess pressure is released gently.
Tighten the fuel cap carefully after refueling.
Always move the machine away from the refueling area before starting.

- Always use a fuel container with an anti-spill valve.
- Clean the area around the fuel cap. Contamination in the tank can cause operating problems.
- Ensure that the fuel is well mixed by shaking the container before filling the tank.

3) USING THE MACHINE

3.1 Starting and stopping

The complete clutch cover and shaft must be fitted before the machine is started, otherwise the clutch can come loose and cause personal injury.
Always move the machine away from the refueling area before starting. Place the machine on a flat surface. Ensure the cutting attachment cannot come into contact with any object.

Make sure no unauthorised persons are in the working area, otherwise there is a risk of serious personal injury. The safety distance is 50 feet (15.25 meters).

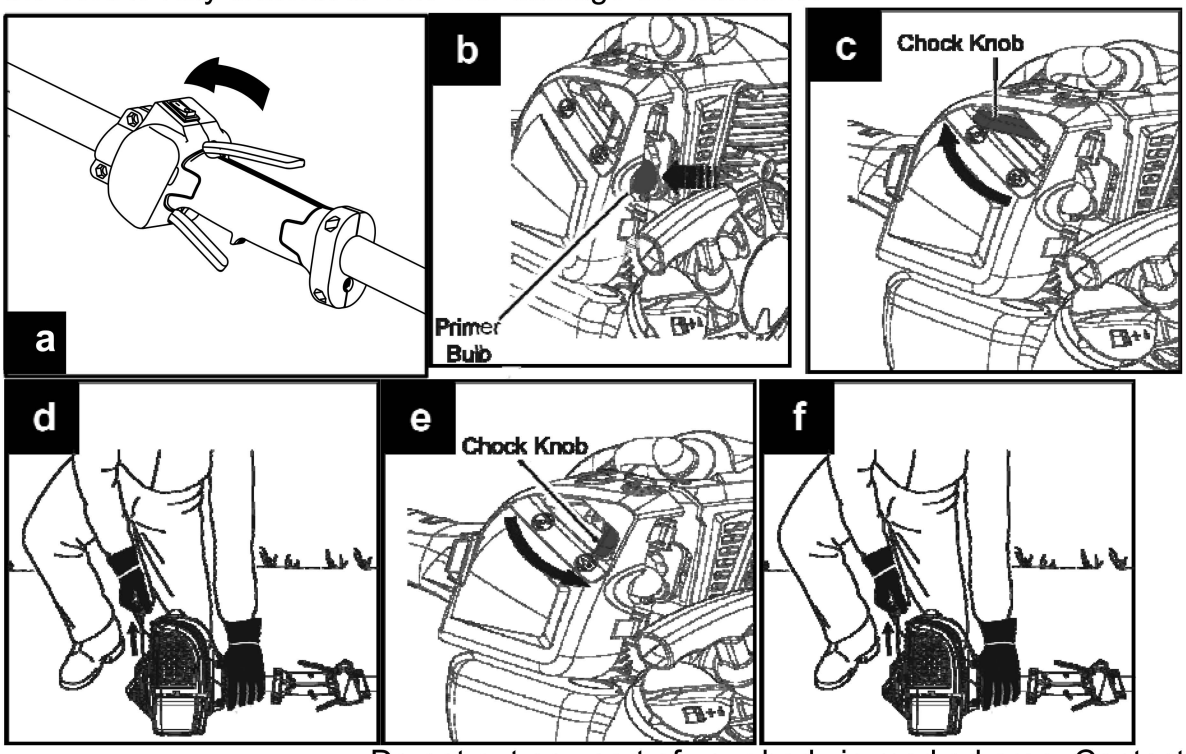
3.1.1 Cold starting:

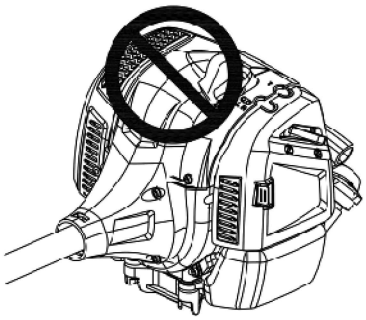
A “cold” start of the engine means starting it after at least 15 minutes from when it was switched off or after refueling.
a). Starting: Ignition: Press down the “I” side of the engine switch.
b). Primer bulb: Press the primer bulb repeatedly until fuel begins to fill the bulb. The bulb need not be completely filled.
c). Choke: Move Choke Knob to the  position.
Note: The symbols below are indicated on the air filter cover near the Choke Knob.
d) Starter handle: Hold the machine on the ground using your left hand (CAUTION! Not with your foot!). Grip the starter handle, slowly pull out the cord with your right hand until you feel some resistance (the starter pawls grip), now quickly and powerfully pull the cord. Never twist the starter cord around your hand. Repeat pulling the cord until engine firing occur.
e) Choke: Move choke knob to the  position.
Note: Setting the choke manually can temporarily set the throttle in a partially open

position to aid starting. The choke knob will automatically return to RUN position by pressing the throttle trigger again.

f) Starter handle: Repeat pulling the cord until engine start. When the engine starts, allow the engine to warm up with the throttle pulled slightly.

Do not pull the starter cord all the way out and do not let go of the starter handle when the cord is fully extended. This can damage the machine.





Do not put any part of your body in marked area. Contact can result in burns to the skin, or electrical shock if the spark plug cap has been damaged. Always use gloves. Do not use a machine with damaged spark plug cap.

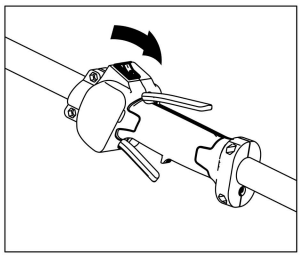
IMPORTANT! If the starter rope is pulled repeatedly with the choke on, it may flood the engine and make starting difficult.

If you happen to flood the engine, repeat the hot start procedure a few times to eliminate any excess fuel.

3.1.2 Hot starting

To hot start the engine immediately after it has stopped, follow steps a – b – e – f of the above procedure.

3.1.3 Stopping:

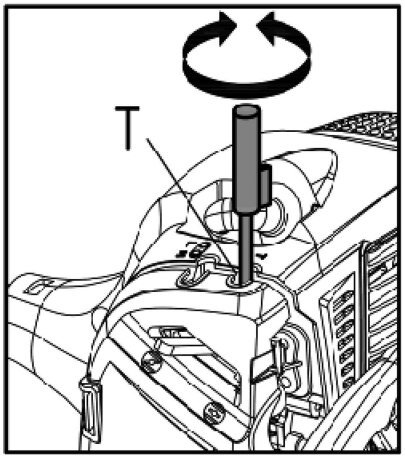


Stop the engine by pressing the engine switch to “O”.

4) ROUTINE MAINTENANCE

4.1 Carburetor

Adjusting the idle speed (T)



Check that the air filter is clean. When the idle speed is correct, the cutting attachment should not rotate. If adjustment is required, close (turn clockwise) the idle adjustment screw T, with the engine running, until the cutting attachment starts to rotate. Open (turn anticlockwise) the screw until the cutting attachment stops. The idle speed is correctly set when the engine runs smoothly in all positions, and there is a clear margin to the speed at which the cutting attachment starts to rotate.

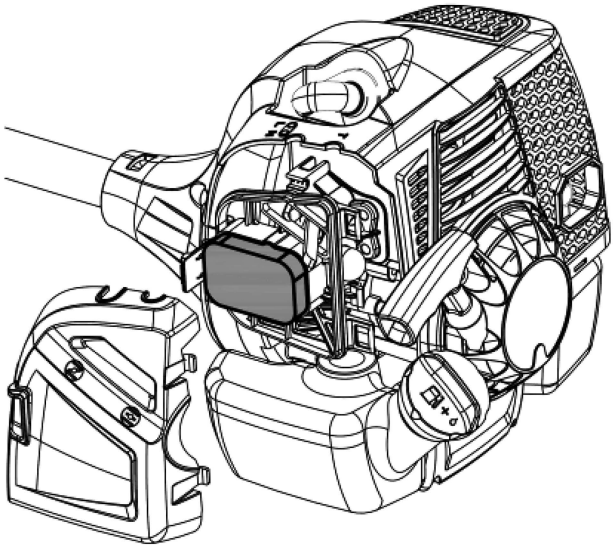
⚠WARNING **If the idle speed cannot be adjusted so that the cutting attachment stops, contact PRORUN Customer Service. Do not use the machine until it has been correctly adjusted or repaired.**

If you need to adjust the “L” and/or “H” mixture screw contact with PRORUN Customer Service for assistance.

4.2 Air filter

The air filter must be regularly cleaned to remove dust and dirt in order to avoid:

- Carburetor malfunctions
- Starting problems
- Loss of engine power
- Unnecessary wear to engine parts
- Excessive fuel consumption



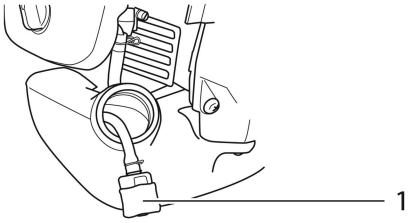
Clean the filter every 25 hours of use, or more regularly if conditions are exceptionally dusty.

Cleaning the air filter

Remove the air filter cover and take out the filter. Wash it clean in warm, soapy water. Ensure that the filter is dry before refitting it.

An air filter that has been in use for a long time cannot be cleaned completely. The filter must therefore be replaced with a new one at regular intervals. A damaged air filter must always be replaced. Contact PRORUN Customer Service for replacement parts.

4.3 Fuel filter

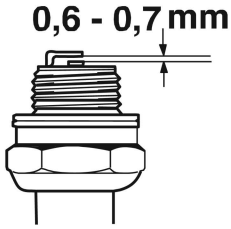


When the engine runs short of fuel supply, check the fuel cap and the fuel filter for blockage.

1 Fuel filter

4.4 Spark plug

The spark plug condition is influenced by:
- Incorrect carburetor adjustment.
- An incorrect fuel mixture (too much or incorrect type of oil).
- A dirty air filter.



These factors cause deposits on the spark plug electrodes, which may result in operating problems and starting difficulties.
If the machine is low on power, difficult to start, or runs poorly at idle speed: always check the spark plug first before taking any further action. If the spark plug is dirty, clean it and check that the electrode gap is 0.20 - 0.30 inch (0.6 - 0.7 mm).

The spark plug should be replaced after about a month in operation or earlier if necessary.
Recommended Spark plug type: RCJ7Y or L8RTF
Always use the recommended spark plug type! Use of the wrong spark plug can damage the piston/ cylinder. Check that the spark plug is fitted with a suppressor.

5) MAINTENANCE TIMESCALE

The following intervals apply to normal operating conditions only. If your daily working time is longer or operating conditions are difficult (very dusty work area, etc.), shorten the specified intervals accordingly.		Before starting working	After finishing work daily	After each refueling stop	Weekly	Monthly	Every 12 months	If problem	If damaged	If required
Complete machine	Visual inspection (condition, wear, leaks)	*		*						
	Clean		*							
Control handle	Check operation	*		*						
Air filter	Clean				*			*		*
	Replace								*	*
Filter in fuel tank	Check						*			
	Replace filter							*	*	*
Carburettor	Check idle setting	*		*						
	Readjust idle									*
Spark plug	Readjust electrode gap						*	*		
	Replace after 100 hours of operation									*
Cooling inlets	Clean		*							
All accessible screws	Check					*		*		
	Retighten									*
Anti-vibration elements	Check	*						*		*
	Replace[1)]								*	
Safety labels	Replace								*	
Muffler	Clean[1)]						*	*		

1) Contact PRORUN Customer Service with service questions or to purchase replacement parts.

6) DIAGNOSTICS

<table>
<tr><td colspan="4">What to do when….</td></tr>
<tr><td>Source of problem</td><td>Corrective action</td><td>Source of problem</td><td>Corrective action</td></tr>
<tr><td colspan="2">1. The engine will not start or will not keep running</td><td colspan="2">4. The engine runs irregularly and lacks in power when revved</td></tr>
<tr><td>Not enough fuel in fuel tank.</td><td>Refuel the tank with mixed fuel.</td><td rowspan="2">Dirty spark plug or incorrect distance between the electrodes</td><td rowspan="2">Check the spark plug (see chapter 4)</td></tr>
<tr><td>Incorrect starting procedure.</td><td>Follow the instructions (see chapter 3).</td></tr>
<tr><td rowspan="2">Fuel filter blockage.</td><td rowspan="2">Replace the fuel filter (see chapter 4).</td><td>Carburation problems</td><td>Contact PRORUN Customer Service</td></tr>
<tr><td>Dirty spark plug or incorrect distance between the electrodes</td><td>Check the spark plug (see chapter 4).</td><td colspan="2">5. The engine makes too much smoke</td></tr>
<tr><td>Air filter clogged.</td><td>Clean or replace the air filter (see chapter 4).</td><td rowspan="3">Incorrect composition of the fuel mixture</td><td rowspan="3">Prepare the fuel mixture according to the instructions (see chapter 2)</td></tr>
<tr><td>Spark plug electrode wet or dirty.</td><td>Clean the spark plug (see chapter 4).</td></tr>
<tr><td>Carburation problems.</td><td>Contact your dealer.</td></tr>
<tr><td colspan="2" rowspan="2">2. The engine starts but is lacking in power</td><td>Carburation problems</td><td>Contact PRORUN Customer Service</td></tr>
<tr><td colspan="2">6.The machine starts to vibrate abnormally</td></tr>
<tr><td>Air filter clogged</td><td>Clean or replace the filter (see chapter 5).</td><td rowspan="3">Damaged or loose parts</td><td rowspan="3">Stop the machine and disconnect the spark plug cable. Inspect for damage. Check for and tighten any loose parts. Contact PRORUN Customer Service with service questions or to purchase replacement parts.</td></tr>
<tr><td>Fuel filter blockage.</td><td>Replace the fuel filter (see chapter 4).</td></tr>
<tr><td>Carburation problem</td><td>Contact PRORUN Customer Service.</td></tr>
</table>

All the mentioned "chapter" with number in the sheet is related to instructions under the heading “Operating instructions”.

TECHNICAL INFORMATION

Technical data	Unit	PPU260
Capacity	cm^3	25.4
Bore x Stroke	mm	34×28
Max. engine output	kW	0.75@7000rpm
Weight (empty tank)		13.89 Lbs. (6.3 kg)
Maximum engine rotation speed	min^{-1}	11000
Idling speed	min^{-1}	3100±400
Spark plug		L8RTF/L7RTC/RCJ7Y
Type of ignition system		TCI (touch pointless)
Front wrong size		Diaphragm type
Mixture (petrol: 2-stroke oil)		50:1
Fuel tank capacity		20.3 fl. oz. (600 cm^3)
Operator ear noise pressure level L_{pA} Measurement uncertainty	dB(A) dB(A)	94 3
Measured acoustic power level Measurement uncertainty	dB(A) dB(A)	110.6 3
Acoustic power level guaranteed	dB(A)	113
Vibration level - Front handle - Rear handle Measurement uncertainty	 m/s^2 m/s^2 m/s^2	 6.0 5.5 1.5

Specifications are subject to change without notice.

PARTS LIST AND DIAGRAM

No.	Description	Qty
1	Screw M5x12	3
2	Pull Cord Sheath	1
3	Starter Cover	1
4	Starter Assembly	1
5	Starter Pull Cord	1
6	Start Handle	1
7	Coil Spring	1
8	Start Pulley	1
9	Start Spring	1
10	Ratchet Wheel	1
11	Plate Washer	1
12	Self-Tapping Screw ST4.8x16	1
13	Start Reel	1
14	Washer 8	1
15	Oil-Seal 12x22x7	1
16	Crankcase RH	1
17	Gasket \ Crankcase	1
18	Bearing 6001	2
19	Crank Shaft Assembly	1
20	Key 3x3.5x10	1
21	Bearing 6001 8×11×11	1
22	Circlip \ Piston Pin	2
23	Piston Pin	1
24	Piston	1
25	Piston Ring	2
26	Gasket \ Cylinder	1
27	Cylinder	1
28	Screw M5x20	4
29	Spark Plug	1
30	Self-Tapping Screw ST4.2x8	2
31	Air Deflector	1
32	Top Housing	1
33	Self-Tapping Screw ST4.8x16	1
34	Wire	1
35	Spark Plug Cover	1
36	Igniter	1
37	Screw M5x20	2
38	Pin Φ5x10	2
39	Crankcase LH	1

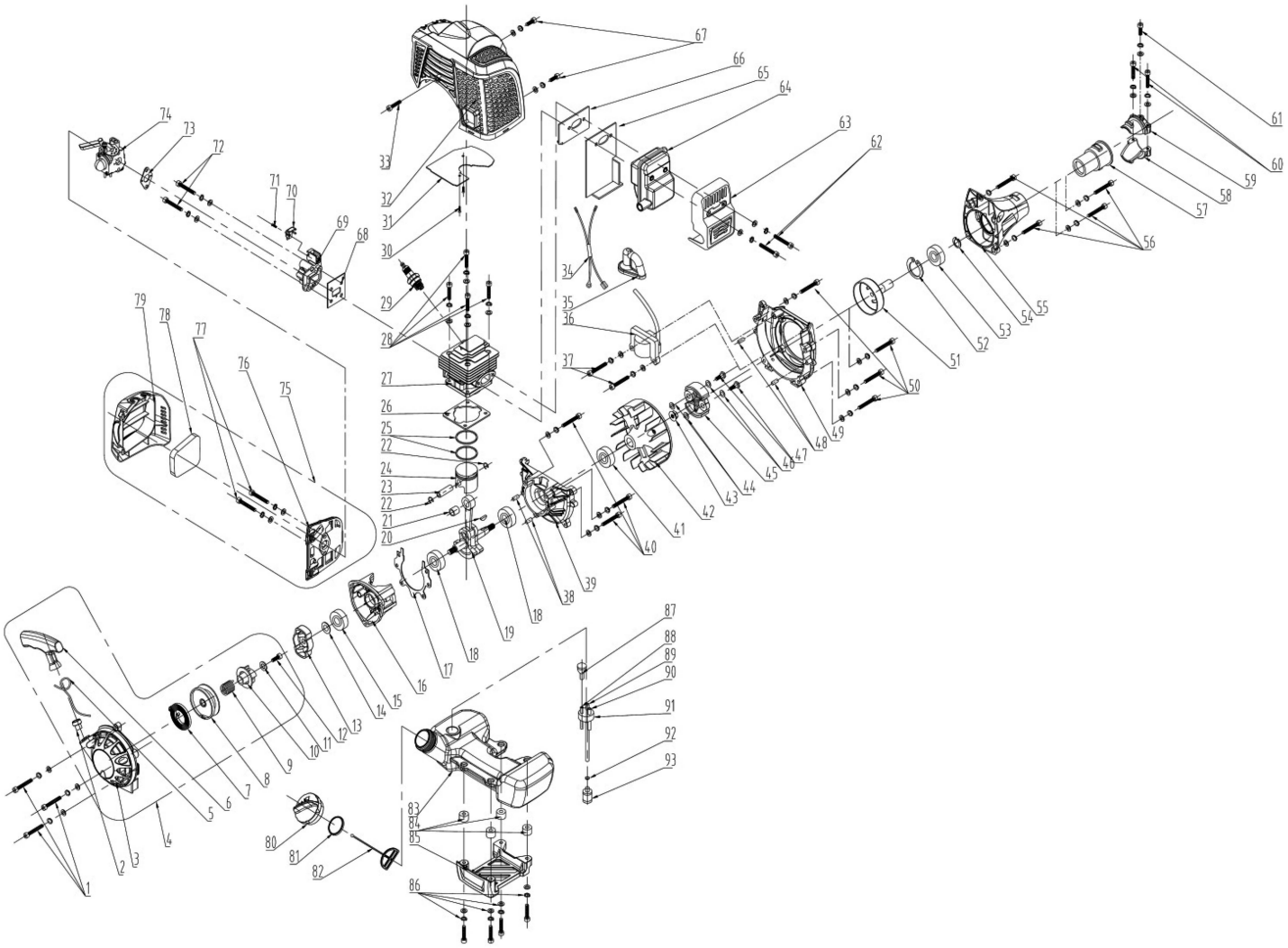
No.	Description	Qty
40	Screw M5x25	3
41	Oil-Seal 12x22x7	1
42	Magneto Rotor	1
43	Flange Nut M8x1	1
44	Flat Washer	2
45	Clutch Assembly	1
46	Elastic Washer M8	2
47	Bolt / Clutch	2
48	Pin Φ4x10	2
49	Fan Cover	1
50	Screw M5x20	4
51	Passive Disk	1
52	Circlip 35	1
53	Bearing 6202	1
54	Circlip 15	1
55	Clutch Drum Housing	1
56	Screw M6x20	4
57	Rubber	1
58	Clamp RH	1
59	Clamp LH	1
60	Screw M5x25	2
61	Screw M5x12	1
62	Screw M5x52	2
63	Muffler Heat Shield	
64	Muffler	1
65	Gasket \ Muffler	1
66	Gasket \ Muffler	1
67	Screw M4x12	2
68	Gasket	1
69	Admitting Pipe	1
70	Stamping	1
71	Screw M4x6	1
72	Screw M5x20	2
73	Gasket \ Carburetor	1
74	Carburetor	1
75	Air Box Assembly	1
76	Air Box Base	1
77	Screw M5x45	2
78	Air Filter / Foam	1

PARTS LIST AND DIAGRAM

No.	Description	Qty
79	Air Box Cover	1
80	Fuel Tank Cover	1
81	Gasket Rubber	1
82	Anti-Falling Board	1
83	Fuel Tank	1
84	Rubber Bump	4
85	Fuel Tank Housing	1
86	Screw M5x25	4

No.	Description	Qty
87	Balancer	1
88	Air Tube	1
89	Fuel Tube	1
90	Return Tube	1
91	Retainer Fuel Tube	1
92	Snap Ring	1
93	Fuel Filter	1

PARTS LIST AND DIAGRAM



PARTS LIST AND DIAGRAM

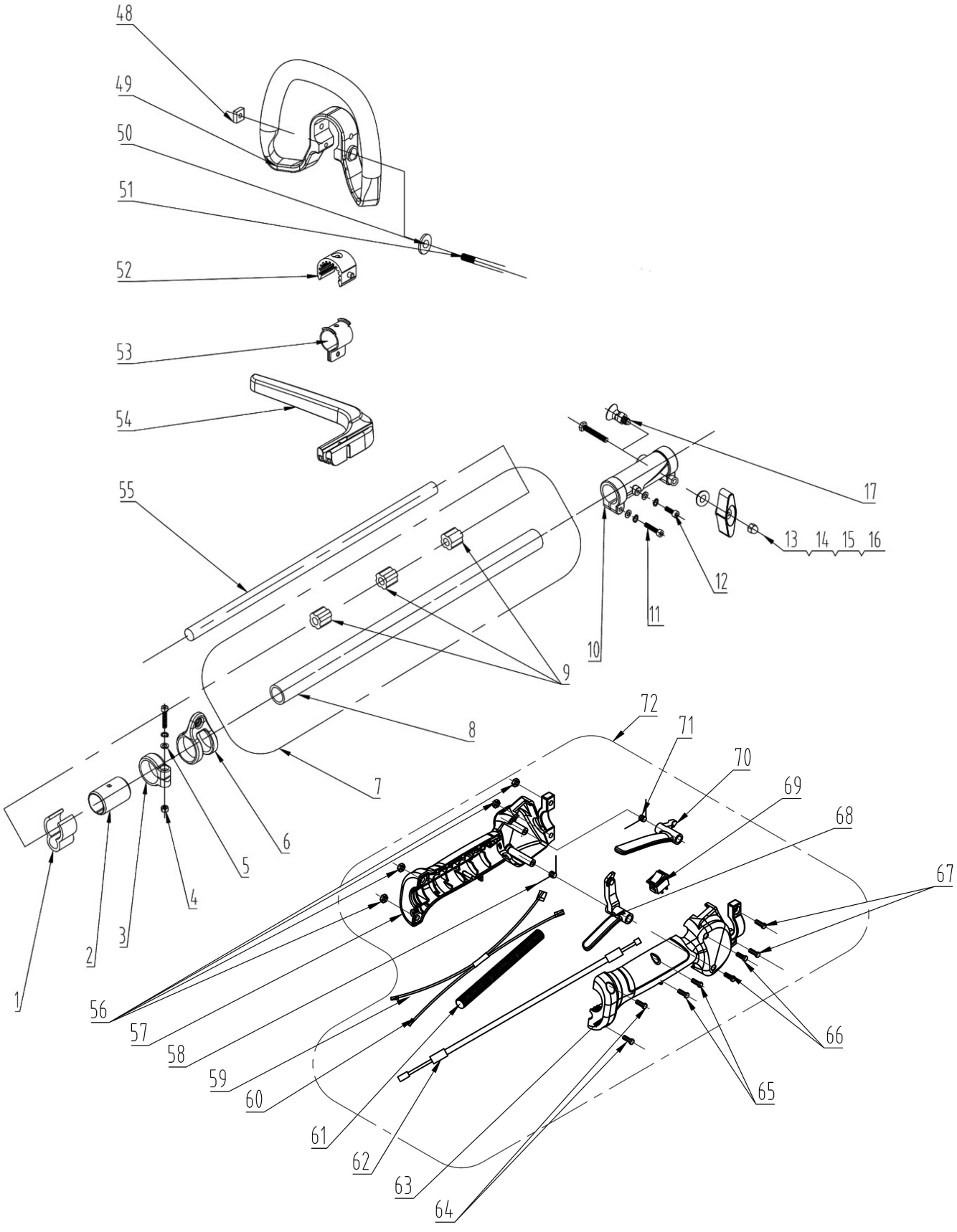
No.	Description	Qty
1	Cord Holder	1
2	Sleeve 26	1
3	Clamp	1
4	Nut M5	1
5	Screw M5x22	1
6	Harness Clamp Assembly	1
7	Rear Shaft Assembly	1
8	Rear Aluminum Tubing	1
9	Rubber / Shaft	3

No.	Description	Qty
10	Connector Assembly	1
11	Screw M5x25	1
12	Screw M5x12	1
13	Screw M6x50	1
14	Plate Washer 6	1
15	Lock Knob	1
16	Nut M6	1
17	Latch	1

No.	Description	Qty
48	Front Handle	1
49	Nut M5	1
50	Plate Washer	1
51	Locking Screw	1
52	Front Handle Rubber Sleeve	1
53	Locking Sleeve	1
54	Bar	1
55	Driver Shaft	1
56	Nut M5	4
57	Plastic handle \ LH	1
58	Spring \ trigger	1
59	Wire cable A	1
60	Wire cable B	1
61	Wire tube	1

No.	Description	Qty
62	throttl cable assembly	1
63	plastic handle \ RH	1
64	screw M5x14	2
65	ST screw 3.5x9.5	2
66	ST screw ST4.2x12	2
67	screw M5x14	2
68	trigger	1
69	switch	1
70	lock trigger	1
71	spring \ trigger	1
72	rubber handle	1
73	Connecting Rod	1
74	Spring / Trigger B	1
75	Rubber Handle	1

PARTS LIST AND DIAGRAM



PRORUN regularly improves our products, and you may find slight differences between your machine and descriptions contained within this operator's manual. Modifications can be made to the machine without notice and without the obligation to update the manual, providing that the essential safety and functional characteristics remain unaltered. Contact PRORUN Customer Service with any questions and for current specifications.

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