

OWNER'S MANUAL & OPERATION INSTRUCTION

BILT HARD

TJA-1053



Using tips:
Video on Youtube



STRING TRIMMER

GAS POWERED

SAVE THIS MANUAL

This manual contains important information regarding safety, operation, maintenance and storage of this product. Before use, read carefully and understand all caution, warnings, instructions and product labels. Failure to do so could result in serious personal injury and/or property damage.

Thank you for ordering our product. If you have any issue, please email it and your order ID to inquiry@bilthardusa.com or call (888)680-2849.

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SPECIFICATION

STRING TRIMMER

Model Number	TJA-1053
String Cutting Diameter	22 in.
String Line Diameter	4 mm
String Line Length	470 mm
Wheels Diameter	14 in.
Max Torque/RPM	9.0 Nm / 2500 RPM
Product Weight(n.w.)	24.5 Kg

ENGINE

Engine Type	4-stroke, OHV, single-cylinder
Engine Displacement	170cc
Fuel Tank Capacity	0.2 gallons (0.8 L)
Oil Capacity	16.9 fl. oz (0.5 L) Note: Included 450ml (15.22fl.oz) of engine oil is the optimum additive amount.
Spark Plug Type	F5RTC
Spark Plug Gap	0.5mm-0.8mm
Spark Plug Torque	22 Nm
Engine Speed	3200RPM

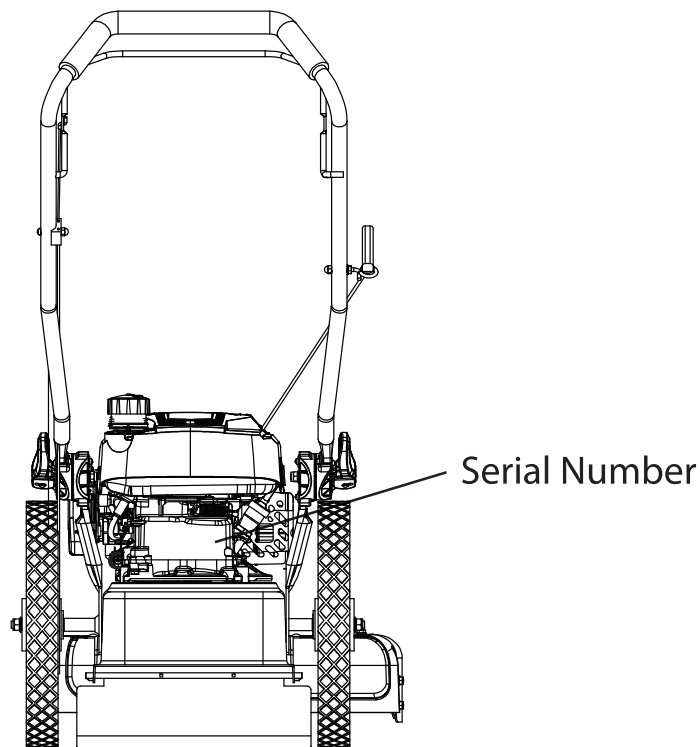


SERIAL NUMBER

Record Product Information

Before setting up and operating your new equipment, please locate the serial number information on the equipment and record the information in the provided area to the under. You can locate the serial number information by standing at the operator's position and looking down at the rear of the deck.

This information will be necessary, should you seek technical support via our email (inquiry@bilthardusa.com), Customer Support Department.



SERIAL NUMBER

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SAFETY

General Safety Rules

Training

1. Read the instructions carefully. Be familiar with the controls and the proper use of the mower;
2. Never allow children or people unfamiliar with these instructions to use the mower. Local regulations can restrict the age of the operator;
3. Never mow while people, especially children or pets are nearby;
4. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

Preparation

1. While mowing, always wear safety footwear and long trousers. Do not operate the mower when barefoot or wearing open sandals; The use of safety glasses and hearing protection is also recommended.
2. Thoroughly inspect the area where the mower is to be used and remove all objects which can be thrown by the mower;
3. Warning - petrol is highly flammable.
 - Store fuel in containers specifically designed for this purpose;
 - Refuel outdoors only and do not smoke while refueling;
 - 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;
 - If petrol is spilled, do not attempt to start the engine but move the mower away from the area of spillage and avoid creating any source of ignition until petrol vapors have dissipated;
 - Replace the fuel tank cap and fuel container cap securely;
4. Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance;

Operation

1. Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect;
2. Trim only in daylight or in good artificial light;
3. Avoid operating the wheel trimmer in wet grass, where possible;
4. Always be sure of your footing on slopes;
5. Walk, never run;
6. Trim across the face of slopes, never up and down;
7. Exercise extreme caution when changing direction on slopes;
8. Do not trim excessively steep slopes;
9. Use extreme caution when reversing or pulling the wheel trimmer towards you;
10. Stop the trimming lines if the wheel trimmer has to be tilted for transportation when crossing surfaces other than grass, and when transporting the wheel trimmer to and from the area to be trimmed;
11. Never operate the wheel trimmer with defective guards, or without safety devices.

SAFETY

General Safety Rules

12. Do not change the engine governor settings or over speed the engine;
13. Disengage all trimming lines before starting the engine;
14. Start the engine carefully according to instructions and with feet well away from the cutting line;
15. Do not tilt the wheel trimmer when starting the engine, except if the wheel trimmer has to be tilted for starting. In this case, do not tilt it more than necessary and lift only the part which is away from the operator;
16. Do not put hands or feet near or under rotating parts;
17. Never pick up or carry a wheel trimmer while the engine is running;
18. Stop the engine and disconnect the spark plug lead, make sure that all moving parts have come to a complete stop:
 - Whenever you leave the wheel trimmer;
 - Before refueling;
 - Before clearing blockages;
 - Before checking, cleaning, or working on the wheel trimmer;
 - After striking a foreign object, inspect the wheel trimmer for damage and make repairs before restarting and operating the wheel trimmer;
 - If wheel trimmer starts to vibrate abnormally (check immediately);

NOTICE

NOTICE INDICATES YOUR EQUIPMENT CAN BE DAMAGED IF THE SAFETY INSTRUCTIONS THAT FOLLOW THIS SIGNAL WORD ARE NOT OBEYED.

IMPORTANT

IMPORTANT INDICATES HELPFUL INFORMATION FOR PROPER ASSEMBLY, OPERATION OR MAINTENANCE OF YOUR EQUIPMENT.



CAUTION

⚠ CAUTION INDICATES A HAZARD WHICH, IF NOT AVOIDED, COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.



DANGER

⚠ DANGER INDICATES A HAZARD WHICH, IF NOT AVOIDED, CERTAINLY WILL RESULT IN DEATH OR SERIOUS INJURY AND/OR PROPERTY DAMAGE.



WARNING

⚠ YOU MUST READ, UNDERSTAND AND COMPLY WITH ALL SAFETY AND OPERATING INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO SETUP AND OPERATE YOUR MACHINE.

⚠ FAILURE TO COMPLY WITH ALL SAFETY AND OPERATING INSTRUCTIONS CAN RESULT IN LOSS OF MACHINE CONTROL, SERIOUS PERSONAL INJURY TO YOU AND/OR BYSTANDERS, AND RISK OF EQUIPMENT AND PROPERTY DAMAGE. THE TRIANGLE IN THE TEXT SIGNIFIES IMPORTANT CAUTIONS OR WARNINGS WHICH MUST BE FOLLOWED.












WARNING

⚠ WARNING INDICATES A HAZARD WHICH, IF NOT AVOIDED, COULD RESULT IN DEATH OR SERIOUS INJURY AND/OR PROPERTY DAMAGE.

SAFETY

String Trimmer Safety Warnings

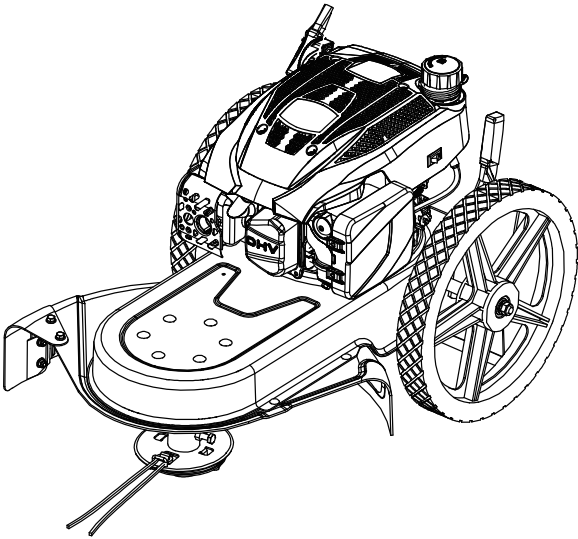
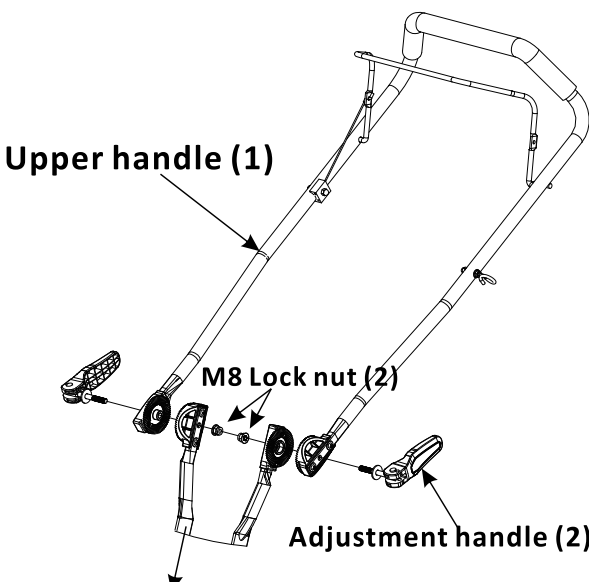
	<p>WARNING!</p> <p>To reduce the risk of injury, user must read and understand the instruction manual before using the mower</p>
	<p>WARNING! Beware of thrown objects</p> <p>Keep bystanders away</p>
	<p>WARNING! Keep hands and feet away from the blades</p> <p>Unplug the spark plug before maintenance</p>
	<p>Risk of fire</p> <p>Never refuel while the engine is running</p>
	<p>WARNING! Hot surface</p> <p>Do not open or remove the safety shields while the engine is running</p>
	<p>Check the engine oil level and fuel before operation</p> <p>Wear eye and ear protection when using the mower</p>
	<p>WARNING! The mower's exhaust gas contains toxic substances</p> <p>Do not run the engine indoor.</p>
	<p>Never Operate Machine Up and Down Slopes, ALWAYS Operate Mower Across Slopes.</p>
	<p>Do Not Operate While Others Are Around.</p>


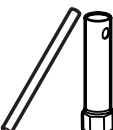



UNPACKING & PACKING LIST

Unpacking

Carefully remove the string trimmer from the packaging and place it on a sturdy, flat surface. Make sure to take out all contents and accessories. Do not discard the packaging until everything is removed. Check the packing list below.

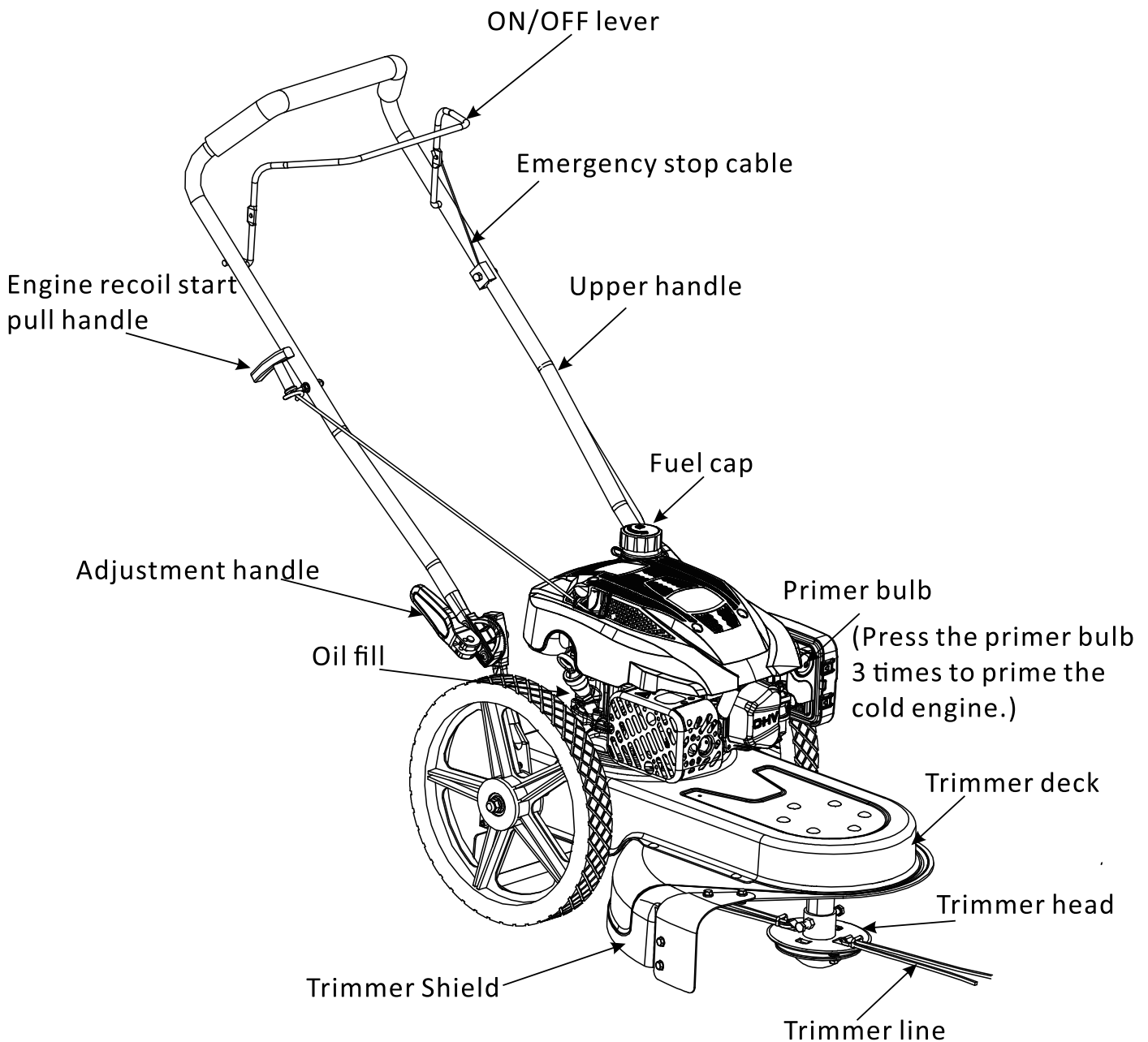
PACKING LIST

Component	
	
String trimmer body	The lower handle is pre-installed on the string trimmer body

Tools				
				
Trimmer line (4)	Spark arrestor tools (1)	13mm/16mm Wrench (1)	Oil bottle (450ml)	Manual

KNOW YOUR STRING TRIMMER

Refer to the diagram below to familiarize yourself with all the parts and controls of your string trimmer. Assembly and operating instructions for these components are mentioned later in the manual.

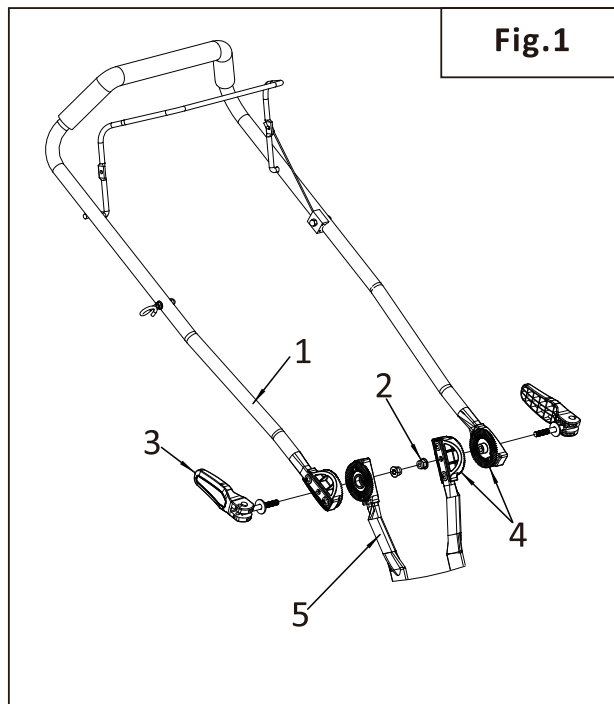


ASSEMBLY & ADJUSTMENTS

⚠ WARNING! Always be sure that the string trimmer's engine is OFF before adjusting, adding accessories, or checking a function on the machine.

INSTALLING THE UPPER HANDLE

1. Take out the two handle adjustment knob and M8 lock nuts from the box.
2. Install the upper handle (Fig.1 -1) on the outside of the of the lower handle using the two M8 lock nuts (Fig.1-2) and handle adjustment knobs (Fig.1-3) , until the handle adjustment knobs can press the gear plate(Fig.1-4) tightly and the knobs can be loosened normally. As shown in Fig.1.

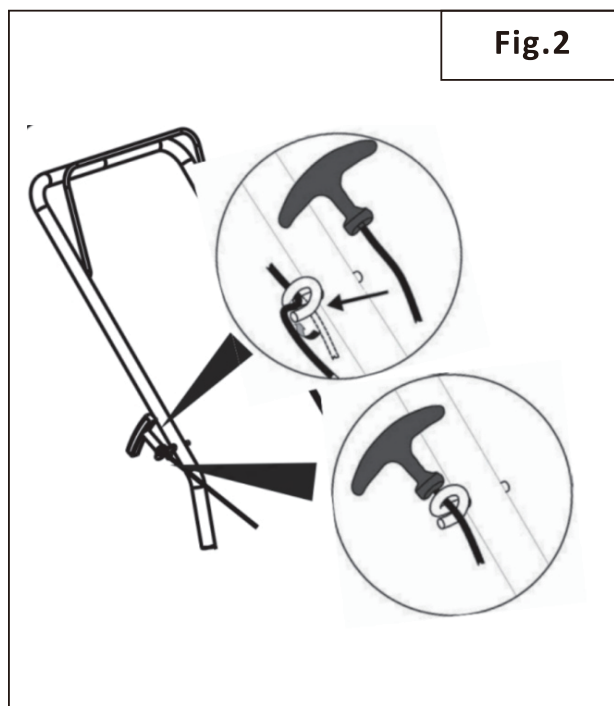
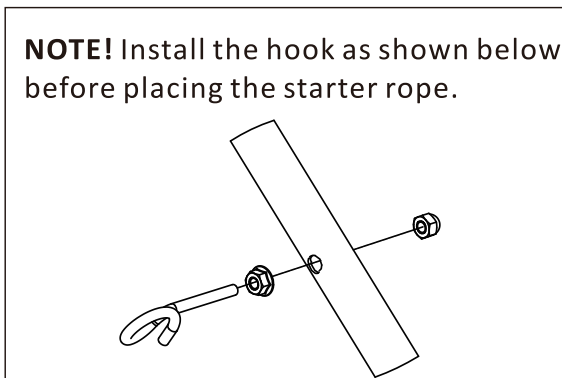


NOTE! The lower handle(Fig.1-5) is pre-installed on the string trimmer body. And pay attention to aligning the holes of the upper handle and lower handle gear plate.

Place the starter rope

1. Pivot the control handle against the upper handle and pull the rope out of the engine.
2. Put the starter rope into the hook. As shown in Fig.2.

NOTE! Install the hook as shown below before placing the starter rope.



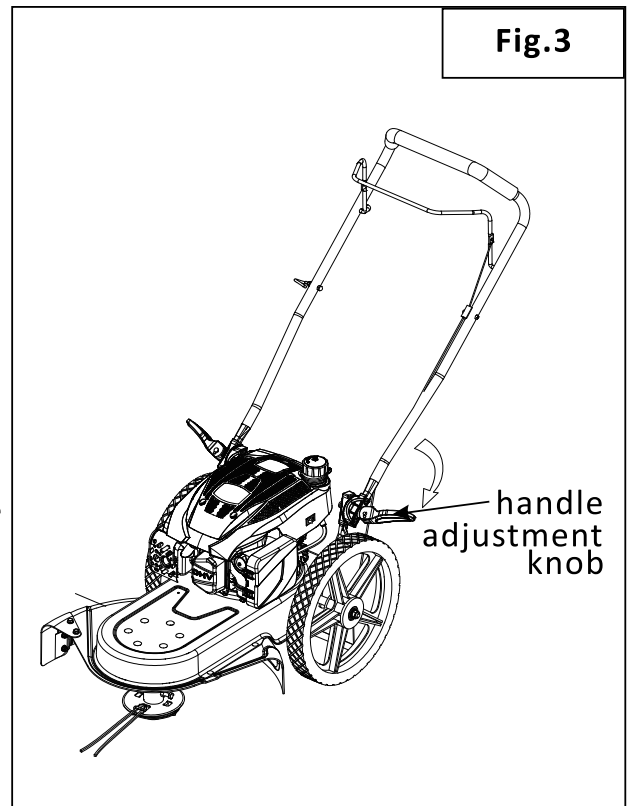
ASSEMBLY & ADJUSTMENTS

RAISE THE HANDLE

1. Hold the handle with your hands and pull them outwards and loosen the two handle adjustment knobs until the ratchet teeth are disengaged. Do not remove the handle adjustment knobs.
2. Raise the handle to the operating position.
3. Stand behind the trimmer in the operator's position. Place the handle in a comfortable position. Make sure both sides of the handle are level.

NOTE: Make sure the cables are not pinched between the upper and lower handles.

4. Tighten the handle adjustment knobs. Make sure the handle pivots are locked in place. As shown in Fig.3.



STRING TRIMMER PREPARATION

NOTE! The following sections describe the necessary steps to prepare your string trimmer for use. Improper use of these steps can damage your string trimmer or shorten its life.

NOTE! Engine does not contain **OIL** or **GASOLINE** when shipped from the factory.

STEP 1-ADD/CHECK OIL

The user must add the proper amount of oil (included a 450mL Oil bottle) before operating the string trimmer for the first time. The oil capacity of the engine crankcase is 16.9 fl. oz (0.5L). Included 450ml of engine oil is the optimum additive amount, it is good for your equipment.



Included oil bottle (450ml)

STRING TRIMMER PREPARATION

To add oil

1. Place the string trimmer on a level surface. Make sure the engine is off before adding or checking oil.
2. Unscrew the oil dipstick (Fig.4) from the engine.
3. Using an oil funnel or appropriate dispenser, slowly add oil into the oil fill, being careful not to overfill the unit. Use the dipstick to check the oil level as you fill the tank. The oil should reach the section between the upper (Max.) and lower (Min.) level (Fig.5). Reinstall the oil dipstick and firmly tighten it. Wipe clean any spilled oil.

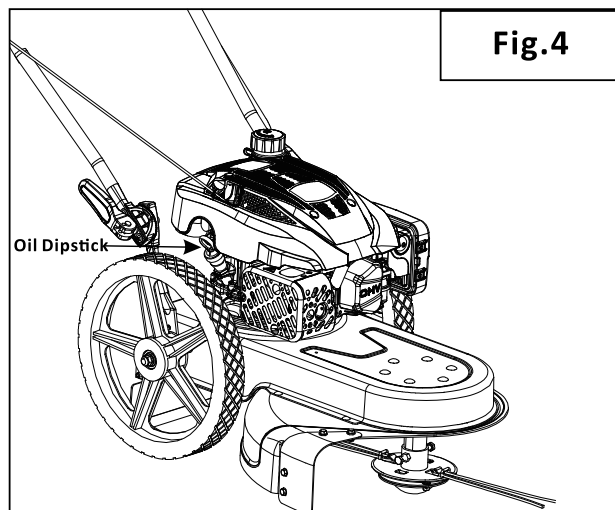


Fig.4

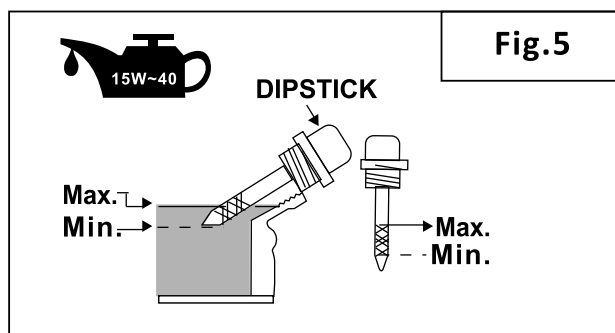


Fig.5

STEP 2-ADD/CHECK FUEL

WARNING! TO PREVENT SERIOUS INJURY FROM FIRE: Fill the fuel tank in a well-ventilated area away from ignition sources. If the engine is hot from use, shut the engine off and wait for it to cool before adding fuel. Do not smoke.

1. Clean the Fuel Cap and the area around it.
2. Unscrew and remove the Fuel Cap (Fig.6).
3. Fill the gasoline, please do not overfill. (Do not exceed 0.2gal)

NOTE! The fuel capacity of the engine is 0.2gal (0.8L).

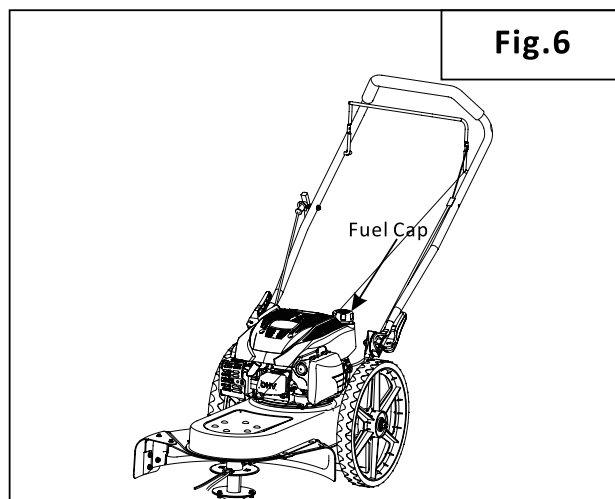


Fig.6

OPERATION & MAINTENANCE

OPERATION

BEFORE STARTING YOUR STRING TRIMMER

1. Verify that the string trimmer is outside on a level surface with at least 2 feet of clearance on all sides.
2. Check that there is a sufficient level of oil in the crank-case. Add oil if necessary, see the "Step 1 - Add / Check Oil" section.
3. Check that there is a sufficient level of gasoline in the fuel tank. Add fuel if necessary, see the "Step 2 - Add / Check Fuel" section.

STARTING YOUR STRING TRIMMER

1. Press the priming bulb (Fig.7) 3 times to prime the cold engine.

NOTE! Do not use primer to start a hot engine to avoid over-priming which may cause the engine to flood.

NOTE! The engine throttle speed is a factory setting. It is designed to ensure proper speed of your string mower during all operating conditions.

2. Hold the ON/OFF lever closed all the time, Before pulling the recoil starter handle. (Fig.8).

3. Pull on the recoil starter handle slowly until a slight resistance is felt, then pull quickly to start the engine. Return cord gently into the recoil starter. Never allow the cord to snap back. If engine fails to start, repeat this step.

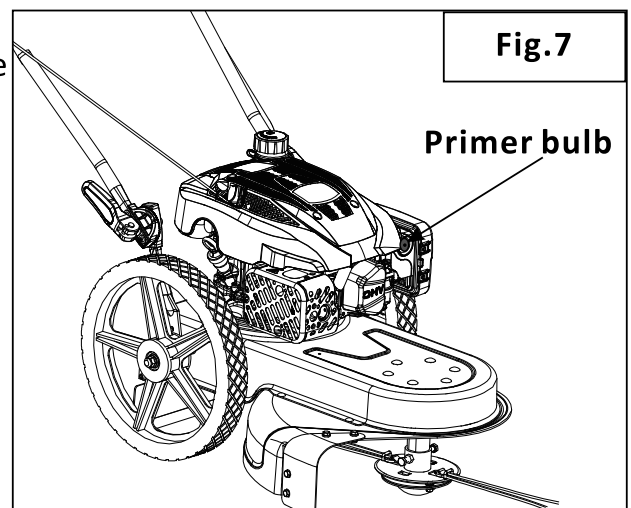


Fig.7

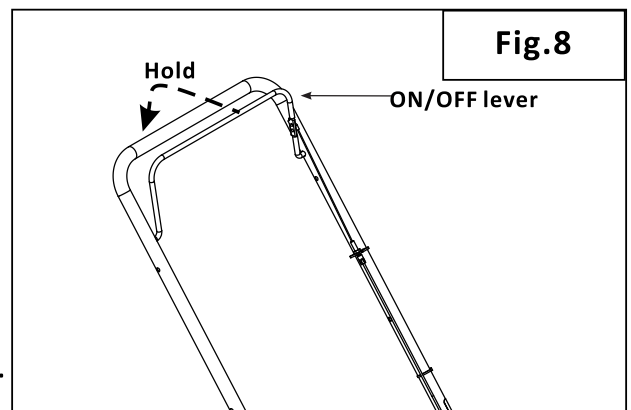


Fig.8

NOTES! If the engine don't be start after pulling 3 times, please repeat the above steps 1-3.

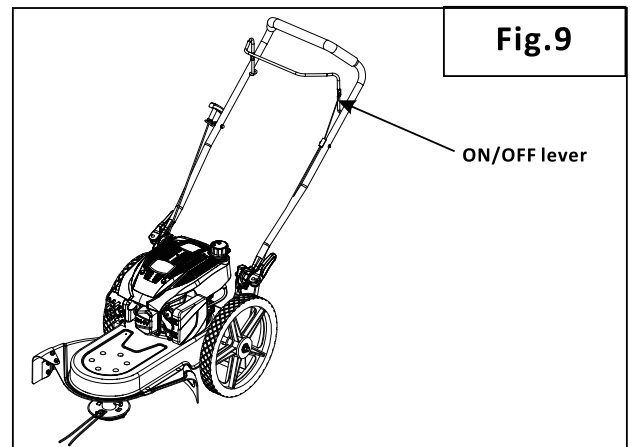
OPERATION & MAINTENANCE

WARNING! Slopes are a major factor related to tip-over and roll-over accidents which can result in severe injury or death. Do not operate machine on slopes in excess of 15 degrees. All slopes require extra caution. Always mow across the face of slopes, never up and down slopes.

STOPPING YOUR STRING TRIMMER

1. Release the ON/OFF lever(Fig.9).
2. The trimmer head will stop.

⚠ WARNING! Be careful with trimmer parts. After release the ON/OFF lever, the trimmer head will continue to rotate for a few seconds.



MAINTENANCE

GENERAL RECOMMENDATIONS

1. Always observe safety rules when performing any maintenance.
2. The warranty on this string trimmer does not cover items that have been subjected to operator abuse or negligence. To receive full value from warranty, operator must maintain the string trimmer as instructed here.
3. Changing of engine-governed speed will void engine warranty.
4. All adjustments should be checked at least once each season.
5. Periodically check all fasteners and make sure these are tight.

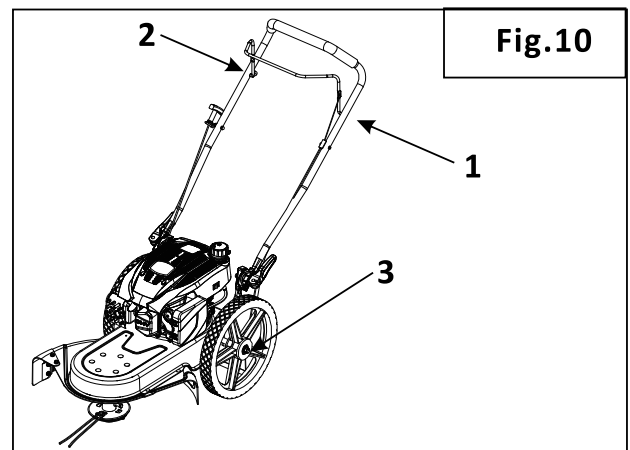
WARNING! Always stop engine, disconnect spark plug, before performing any type of maintenance on your machine.

MAINTENANCE

LUBRICATION

1. Lubricate pivot points on the control lever at least once a season with light oil. This control must operate freely in both directions (Fig.10-1 and Fig.10-2)

2. Lubricate the wheels at least once a season with light oil (or motor oil). If wheels are removed for any reason, lubricate surface of the axle bolt and inner surface of the wheel with light oil.



WARNING! Never tip the trimmer more than 90° in any direction and do not leave the trimmer tipped for any length of time. Oil can drain into the upper part of the engine causing a starting problem.

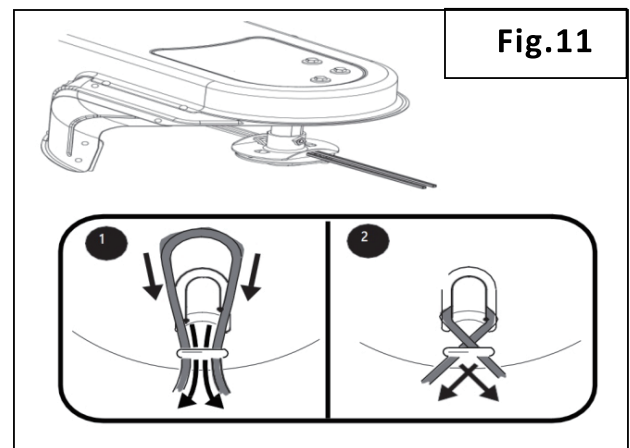
NOTE! Do not use a pressure washer or garden hose to clean the machine. These may cause damage to the engine. The use of water will result in shortened life and reduce serviceability.

CHANGING THE TRIMMER LINE

To ease in removing worn trimmer line, change the trimmer line before it becomes too short (i.e. approximately half its original length).

WARNING! Stop the engine.

1. Remove the worn trimmer line from the spindle.

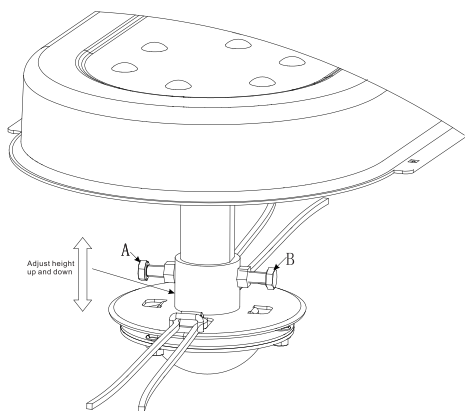


2. Fold the replacement trimmer line in half and insert both ends through the loop near the edge of the spindle.

3. Pull the ends of the trimmer line through the loop until the line is securely beneath the metal tab.

4. Cross the line ends and pull each tightly to secure the trimmer line in place. Fig.11

MAINTENANCE



How to adjust the mowing height

1. Make sure the machine is turned off, lay it down.
2. Use a tool to loosen the bolts A and B shown in the figure.
3. Adjust the mowing disc to the appropriate height.
4. Tighten the bolts A and B.

ENGINE CARE

NOTICE This maintenance schedule is intended solely as a general guide. If performance decreases or if equipment operates unusually, check systems immediately. The maintenance needs of each piece of equipment will differ depending on factors such as duty cycle, temperature, air quality, fuel quality, and other factors.

NOTICE The following procedures are in addition to the regular checks and maintenance explained as part of the regular operation of the engine and equipment.

Frequency	Items	Each Time	Every month or 20 Hrs	Every 3 months or 50 Hrs	Every 6 months or 100 Hrs	Every Year or 300 Hrs
Brush off outside of engine						
Engine Oil	Check oil level	√				
	Replace				√ *	
Air Filter	Check	√				
	Clean			√	√ *	
	Replace					√ *
Deposit Cup	Clean				√	
Spark Plug	Clean, Adjust				√ ***	
	Replace					√ *
Spark Arrester	Clean				√	
Valve Clearance	Check, Adjust					√ **
Fuel Tank	Clean					√ **
Emission & Evaporation System						√ **
Fuel Supply Line	Clean	Every two years (Replace if necessary**)				

* Recommended to be performed more often than in the schedule if operated in dusty environments.

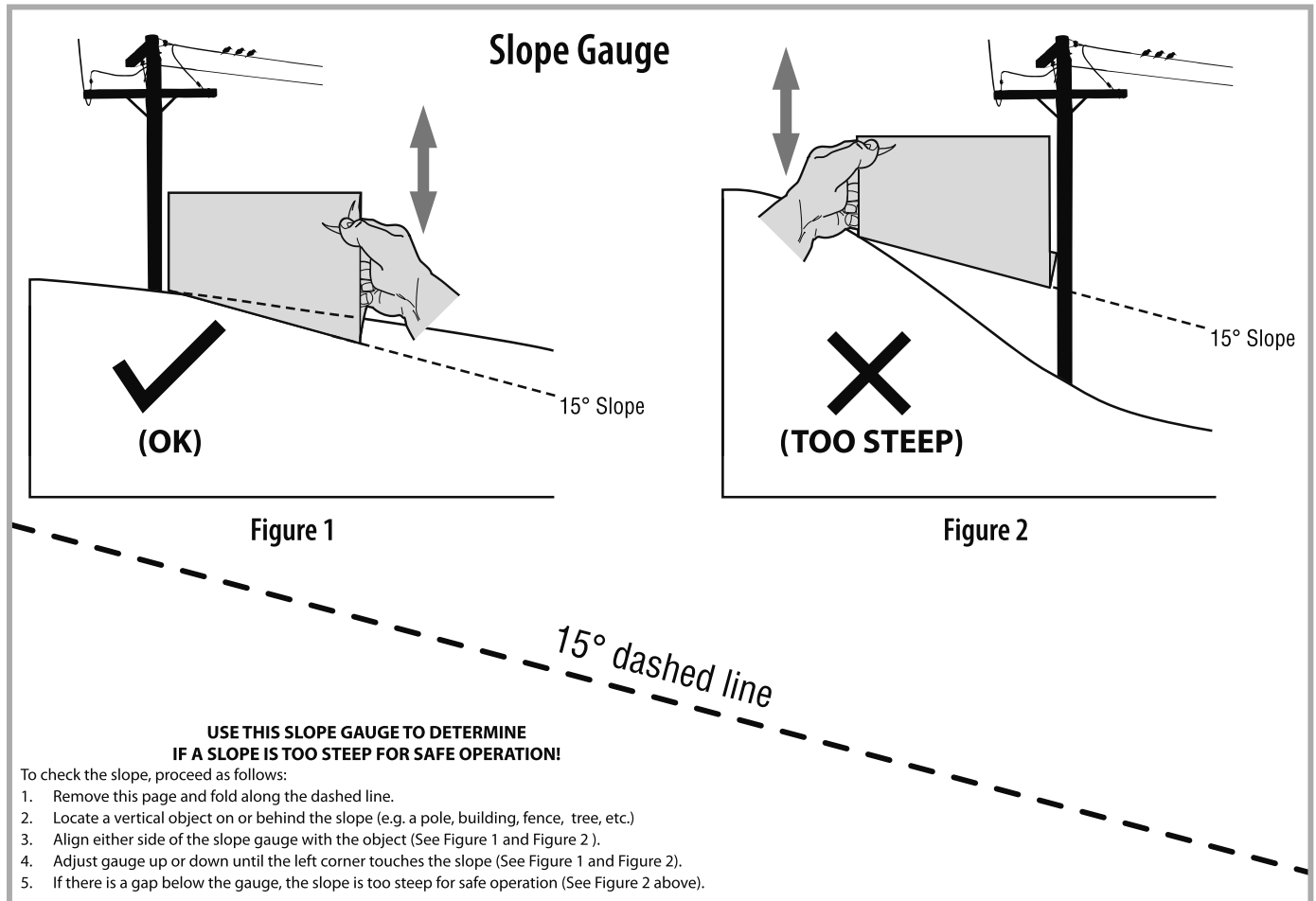
** Recommended to be performed by qualified technician.

*** Adjust spark plug gap to 0.7mm - 0.8mm.

TROUBLESHOOTING GUIDE

Problem	Possible Cause	Solution
Engine Fails to start	1. Spark plug boot disconnected.	1. Connect wire to spark boot.
	2. Fuel tank empty or stale fuel.	2. Fill tank with clean, fresh gasoline.
	3. Engine not primed (if equipped with primer).	3. Prime engine as instructed in the operation section.
	4. Faulty spark plug.	4. Clean, adjust gap, or replace.
	5. Blocked fuel line.	5. Clean fuel line.
	6. Engine flooded.	6. Remove the spark plug, wait a few minutes to dry.
	7. ON/OFF lever in incorrect position (Do not be holded)	7. Hold the ON/OFF lever
Engine runs erratic	1. Spark plug boot loose.	1. Connect and tighten spark plug boot.
	2. Blocked fuel line or stale fuel.	2. Clean fuel line; fill tank with clean, fresh gasoline.
	3. Vent in gas cap plugged.	3. Clear vent.
	4. Water or dirt in fuel system.	4. Drain fuel tank. Refill with fresh fuel.
	5. Dirty air cleaner.	5. Replace air cleaner.
Engine overheats	1. Engine oil level low.	1. Fill crankcase with proper oil.
	2. Air flow restricted.	2. Clean area around and on top of engine.
Excessive Vibration	1. Spindle wing nuts loose.	1. Tighten wing nuts.
	2. Trimmer head damaged.	2. Replace the defective trimmer head
	2. Trimmer head bearing damaged.	3. Replace the defective trimmer head bearing
Poor Trimming Performance	1. Trimmer line too short or worn.	1. Replace trimmer line.
	2. Worn or damaged spindle belt.	2. Replace spindle belt.

TROUBLESHOOTING GUIDE



WARNING! Slopes are a major factor related to tip-over and roll-over accidents which can result in severe injury or death. Do not operate machine on slopes in excess of 15 degrees. All slopes require extra caution. Always mow across the face of slopes, never up and down slopes.

HIGH ALTITUDE KIT REPLACEMENT FOR EPAIII ENGINES 3000ft to 6000ft or 6000ft to 8000ft of elevation

* At high altitude, the standard carburetor air-fuel mixture will be too rich. Performance will decrease and fuel consumption will increase. A very rich mixture will also foul the spark plug and cause hard starting. Operation at an altitude that differs from that at which this engine was certified, for extended periods of time, may increase emissions.

* The fuel system on this Engine or Equipment may be influenced by operation at higher altitudes. Proper operation can be ensured by installing an altitude kit when required. See the table below to determine when an altitude kit is required. Operating this generator without the proper altitude kit installed may increase the engine's emissions and decrease fuel economy and performance. Kits may be obtained from any Dealer, and should be installed by a qualified individual.

Equipment model*	Fuel	Altitude Range**	Kit Part Number
	Gasoline	0 – 3000 ft	Not Required
		3000 – 6000 ft	Altitude kit 1#
		6000 – 8000 ft	Altitude kit 2#
* Engine, Generator Set, Pressure Washer, Walk-Behind Lawnmower, Compressor, Pump, Tiller etc.			
** Elevation above sea level.			

* This high altitude jet is to be used at elevations above 3000 feet.

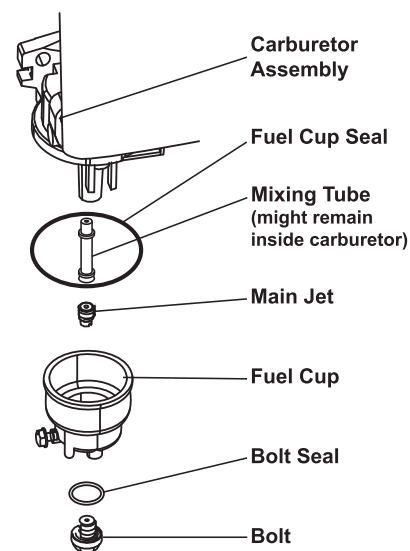
* At elevations above 8000 feet, the engine may experience decreased performance, even with the high altitude kit.

If a carburetor is replaced, the proper high altitude kit jet will need to be installed into the replacement carburetor.

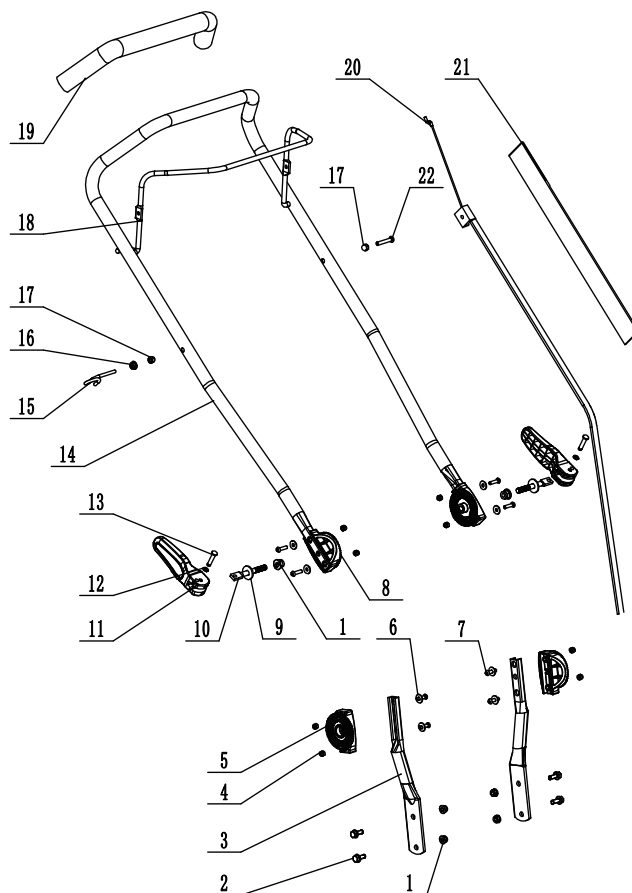


WARNING! To prevent serious injury from fire: Follow the kit procedures in a well-ventilated area away from ignition sources. If the engine is hot from use, shut the engine off and wait for it to cool before proceeding.

NOTICE: The warranty may be void if necessary adjustments are not made for high altitude use.

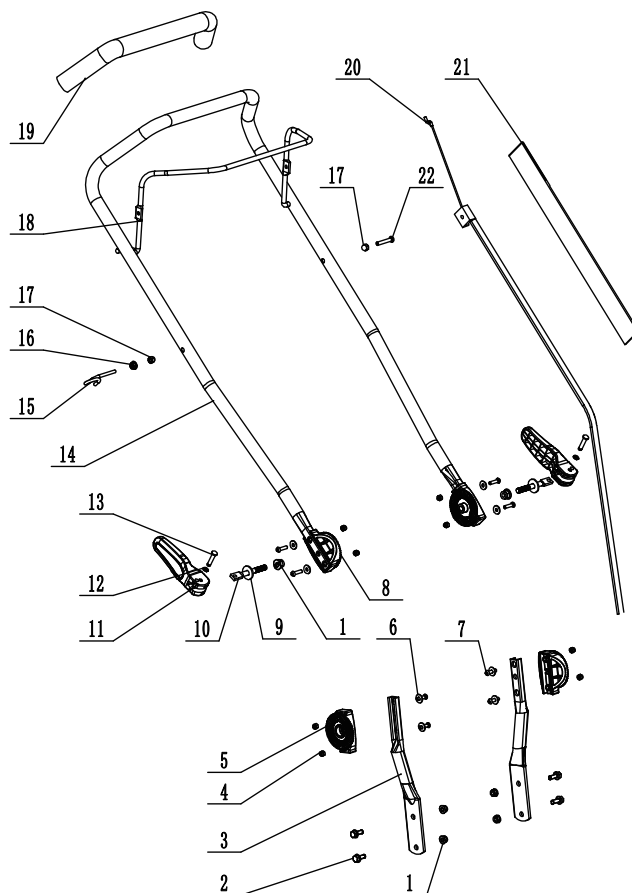


EXPLODED VIEW & PARTS LIST



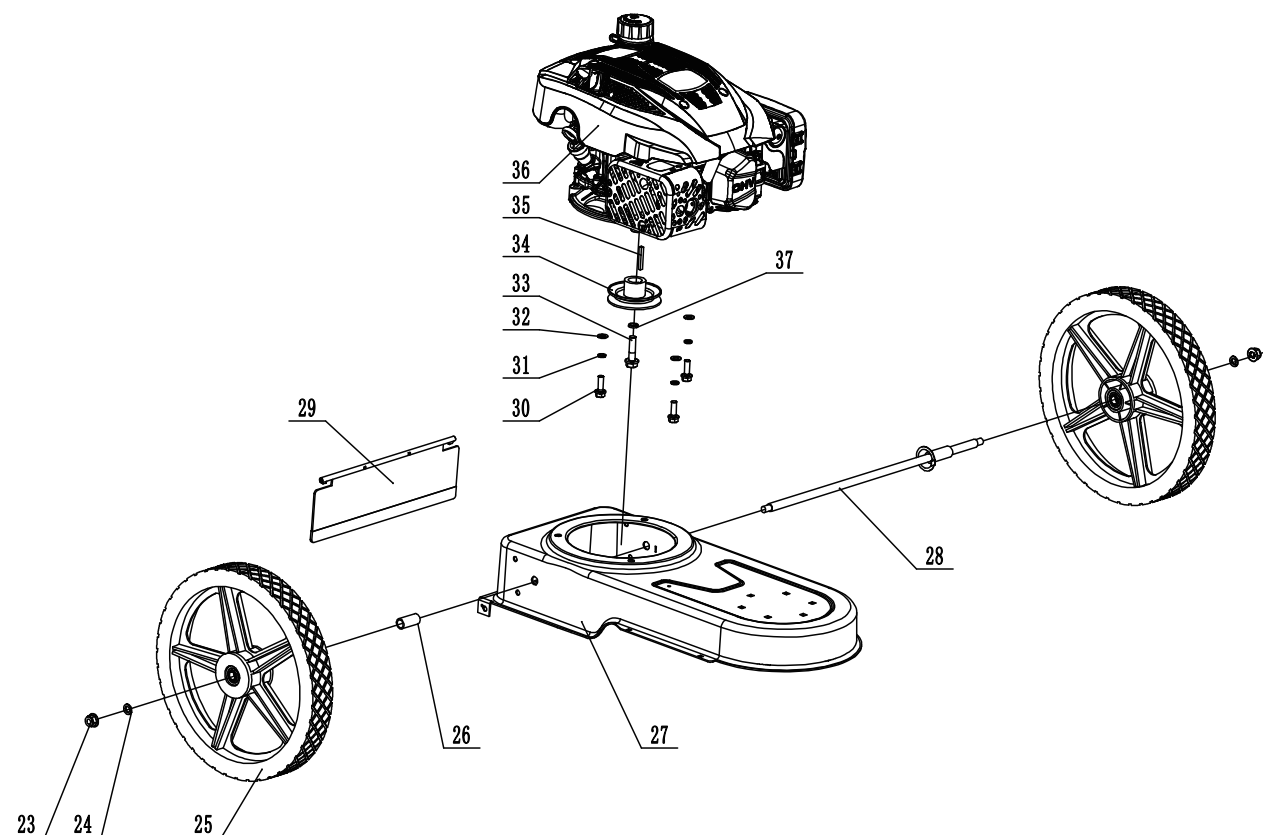
REF.NO.	PART NO	DESCRIPTION	QTY	REMARK
1	90308-0800-31A0	Locking nut M8	12	
2	90001-0820-0108	Bolts	5	
3	79231-U920110-H7A0	Lower handle	2	
4	90338-0500-31A1	Nut M5	8	
5	54206-U920210-Q2A0	Gear plate, Lower handle	2	
6	90406-0500-3108	Gasket	8	
7	90103-0520-51A0	Screw	8	
8	54206-U920110-Q2A0	Gear plate, Upper handle	2	
9	90401-0800-D1	Gasket	2	
10	90749-U920110-01A0	Locking bolt	2	
11	54203-G030110-SPA0	Adjustment handle	2	
12	90575-0500-0601	Open retaining ring	2	
13	90504-G030110-01A0	Pin	2	
14	79223-U920110-H7A0	Upper handle	1	
15	90717-U920110-01A0	Starter rope holder	1	

EXPLODED VIEW & PARTS LIST



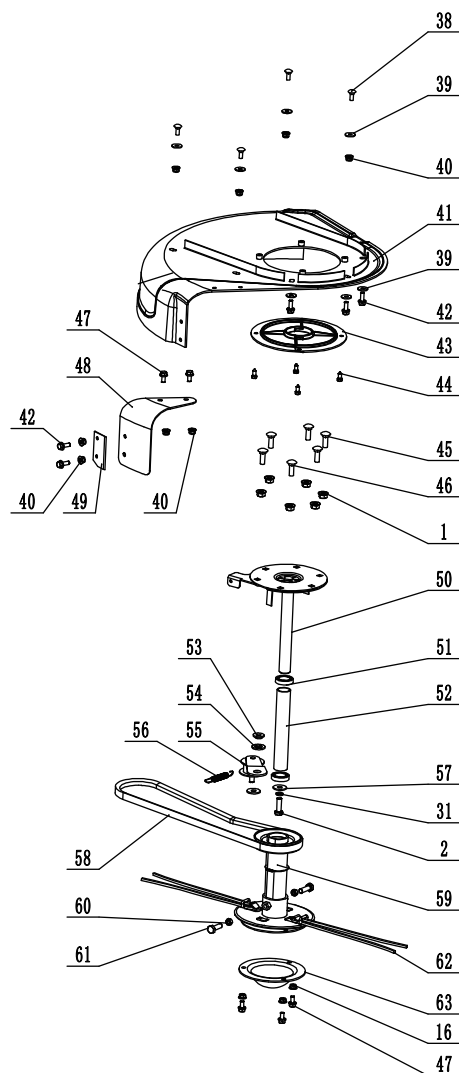
REF.NO.	PART NO	DESCRIPTION	QTY	REMARK
16	90305-0600-3108	Nut M6	4	
17	90314-0600-01A1	Nut M6	2	
18	79224-G080110-BKA0	ON/OFF lever	1	
19	54101-G030110-Q2B0	Handle rubber cover	1	
20	35201-U920210-00A0	Emergency stop cable	1	
21	93115-U920110-QHA0	Trimmer line bag	1	
22	90106-0635-51A0	Screw M6x25	1	

EXPLODED VIEW & PARTS LIST



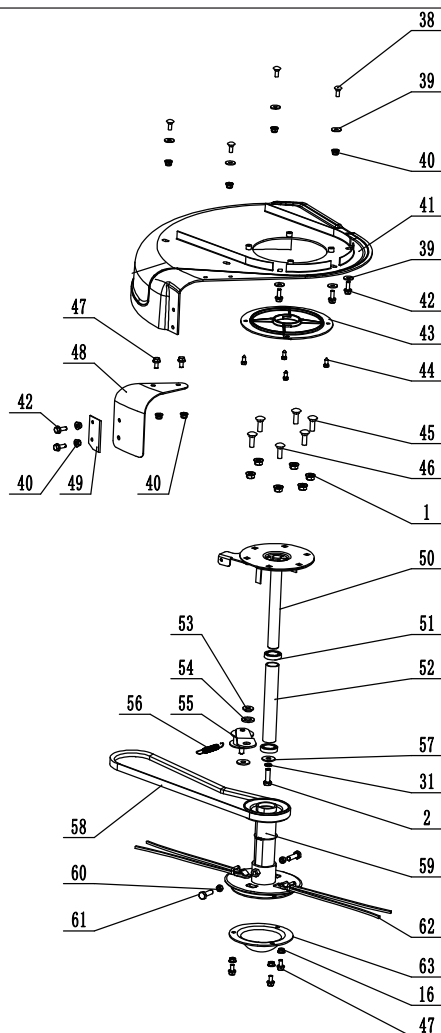
REF.NO.	PART NO	DESCRIPTION	QTY	REMARK
23	90338-1000-3108	Nut M10	2	
24	90408-1000-E108	Gasket	2	
25	76008-U920210-Q2A0	14inch Wheels	2	
26	90683-U920510-H6A0	Bushing	1	
27	28007-U920810-BKA0	Trimmer shield	1	
28	42002-U920310-H6A0	Wheel axle	1	
29	28007-U920410-Q2A0	Rear cover	1	
30	90005-0825-0108	Bolt M8x25	3	
31	90403-0800-0108	Washer	4	
32	90408-0800-E108	Flat Washer	3	
33	90007-Z250110-00A0	Bolt 3/8-24UNF×25	2	
34	76305-U920110-01A0	Pulley	3	
35	90521-Z010510-00A0	Flat key	3	
36	170cc	Engine	1	
37	90403-1000-0108	Washer	1	

EXPLODED VIEW & PARTS LIST



REF.NO.	PART NO	DESCRIPTION	QTY	REMARK
38	90024-U920210-03A0	Bolt M6x16	4	
39	90406-0600-E108	Washer	7	
40	90338-0600-3108	Nut M6	8	
41	28007-U921010-Q2A0	Trimmer shield	1	
42	90007-0616-A108	Bolt M6x16	5	
43	79409-U920110-Q2A0	Belt cover plate	2	
44	90032-4813-01A0	Screw	4	
45	90024-U920310-03A0	Bolt M8x20	5	
46	90024-U920110-03A0	Bolt M8x25	1	
47	90007-0612-A108	Bolt M6x16	5	
48	82025-U920110-Q2A0	Right cover	1	
49	73107-U920110-01A0	Cutter	1	
50	73211-U920111-01A0	Trimmer head seat	1	
51	90549-6184-10A0	Bearing-2RS	2	

EXPLODED VIEW & PARTS LIST



REF.NO.	PART NO	DESCRIPTION	QTY	REMARK
52	90683-U920410-01A0	Bushing	1	
53	90683-U920210-01A0	Bushing	1	
54	90405-G130110-0000	Washer	1	
55	76210-U920110-01A0	Tension pulley assembly	1	
56	72106-U920110-01A0	Tension spring	1	
57	90406-0800-E108	Washer	2	
58	76304-U920110-00A0	Transmission belt	1	
59	73220-U920110-01B0	Trimmer head parts	1	
60	90303-0800-3108	Nut	2	
61	90005-0825-0108	Bolt M8×25	2	
62	76753-U920210-RBA0	Trimmer line	6	
63	73231-U920110-H7A0	Trimmer head cover	1	

WARRANTIES

Combined Exhaust and Evaporative Emissions Control Warranty Statement

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The United States Environmental Protection Agency and DU DU GROUP (DU DU) are pleased to explain the emission control system warranty on your 2024/2025 model year small off-road engine/equipment. In the United States, new small off-road engine/equipments must be designed, built and equipped to meet stringent anti smog standards. DU DU must warrant the emission control system on your small off-road engine/equipment for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your small off-road engine/equipment.

Where a warrantable condition exists, DUDU will repair your small off-road engine/equipment at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE:

This emissions control system is warranted for two years. If any emission-related part on your small off-road engine/equipment is defective, the part will be repaired or replaced by DU DU.

OWNER'S WARRANTY RESPONSIBILITIES:

As the small off-road engine/equipment owner, you are responsible for the performance of the required maintenance listed in your owner's manual. DUDU recommends that you retain all receipts covering maintenance on your small off-road engine/equipment, but cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the small off-road engine/equipment owner, you should however be aware that DU DU may deny you warranty coverage if your small off-road engine/equipment or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact DU DU GROUP at (888)680-2849 or inquiry@bilthardusa.com.

DEFECTS WARRANTY REQUIREMENTS:

(a) The warranty period begins on the date the engine/equipment is delivered to an ultimate purchaser.

(b) General Emissions Warranty Coverage. DUDU warrants to the ultimate purchaser and each subsequent owner that the engine/equipment is:

WARRANTIES

Limited 90 Day Warranty (Retail)

DU DU Group warrants to the original purchaser only, that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. And DU DU Group makes every effort to ensure its products meet high quality and durability standards.

This warranty does not apply to damage due directly or indirectly, to misrepair, abuse, neglect, normal wear and tear, improper maintenance, improper storage, incorrect lubricants/fuels or other conditions adversely affecting the Product. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS, EXCEPT FOR THE EMISSIONS CONTROL SYSTEM WARRANTY BELOW.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date, serial number, and there must also be a description of the problem in order to help our repairs department diagnose and fix the issue.

If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This limited warranty gives you specific legal rights and you may also have other rights which vary from state to state.

BILT HARD

WARRANTIES

- (1). Designed, built, and equipped so as to conform with all applicable regulations adopted by the Environmental Protection Agency.
- (2). Free from defects in materials and workmanship that causes the failure of a warranted part for a period of two years.
- (c). Warranty Parts for Exhaust Emission.
 - 1. Fuel System
 - 2. Air Induction System
 - 3. Ignition System

The following parts are also considered emission related components for exhaust emissions, if applicable

- 1. Exhaust Gas Recirculation (EGR) System
- 2. Aftertreatment devices.
- 3. Crankcase ventilation valves.
- 4. Sensors.
- 5. Electronic control units.

(d) Warranty Parts for Evaporative Emission include fuel tank, fuel cap, fuel line and fittings, carbon canister, vapor hoses. They may also include, if applicable, liquid/vapor separator, clamps, pressure relief valves, etc.

Du Du will furnish with each new engine/equipment written instructions for the maintenance and use of the engine/equipment by the owner.

PLEASE READ THE FOLLOWING CAREFULLY

The manufacture and/or distributor has provided the parts list and assembly diagram in this manual as a reference tool only. Neither the manufacturer or distributor makes any representation or warranty of any kind to the buyer that he or she is qualified to make any repairs to the product, or that he or she is qualified to replace any parts of the product. In fact, the manufacturer and/or distributor expressly states that all repairs and parts replacements should be undertaken by certified and licensed technicians, and not by the buyer. the buyer assumes all risk and liability arising out of his or her repairs to the original product or replacement parts thereto, or arising out of his or her installation of replacement parts thereto.

BILT HARD

