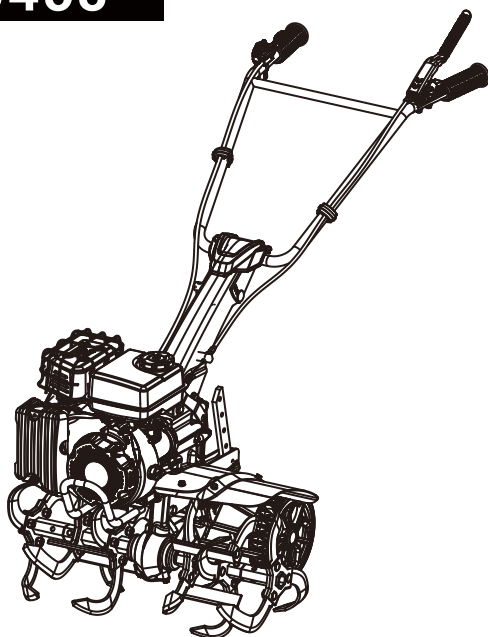


OWNER'S MANUAL & OPERATION INSTRUCTION

BILT HARD

TOA-0458



Using tips:
Video on Youtube



TILLER 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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I. SAFETY SIGNS

These labels warn you of potential hazards which can cause serious injury. Read the labels and safety notes and precautions described in this manual carefully.

- 1. **WARNING** - Read the instruction before using the machine.
- 2. **Danger of cutting yourself, Moving milling cutters.** Read the instructions before carrying out any maintenance or repairs.
- 3. **Danger of cutting yourself moving rotary tools.**
- 4. **Risk of thrown objects.** Keep person away from the work area during use.
- 5. **Risk of exposure to noise and dust, Wear protection against noise and protective glasses.**



- 6. **WARNING** - Burn hazard. Do not touch the cylinder, muffler enclosure, or adjacent frame during operation and for 20 minutes after engine shutdown. Allow additional cooling time if ambient temperature exceeds 20°C.



- 7. **WARNING** - Do not remove the cover. Major repairs must only be performed by an authorized service center.



II. SAFETY INSTRUCTIONS

1. Training

1.1 Read all instructions carefully. Thoroughly familiarize yourself with the controls and proper operation of the equipment.

1.2 Never allow children or untrained persons to operate the machine.

Note: Local regulations may restrict the minimum operator age.

1.3 Do not operate the machine when bystanders, especially children or pets, are within the work area.

1.4 The operator assumes full responsibility for accidents or hazards affecting others or their property.

2. PREPARATION

2.1 Always wear sturdy footwear and long pants during operation. Do not operate the equipment when barefooted or wearing open-toed shoes.

2.2 Thoroughly inspect the work area before use. Remove all objects that may be propelled by the machine.

2.3 WARNING - Gasoline is highly flammable:

A. Store fuel only in approved containers.

B. Refuel outdoors in a well-ventilated area. Do not smoke during refueling.

C. Refuel only when the engine is off and cooled down.

If fuel is spilled:

A. Do not start the engine.

B. Move the machine away from the spill.

C. Avoid ignition sources until vapors dissipate.

Always tighten fuel tank and container caps securely.

2.4 Replace damaged mufflers immediately.

2.5 Before each use, inspect tools for wear or damage. Replace worn or damaged parts as a complete set to maintain balance.

3. OPERATION

3.1 Do not operate the engine in enclosed spaces where dangerous carbon monoxide fumes may accumulate.

3.2 Operate only in daylight or under adequate artificial lighting.

3.3 Always maintain secure footing on slopes.

3.4 Walk with the machine at all times. Never run.

3.5 Exercise extreme caution when changing direction on slopes.

3.6 Do not operate the machine on excessively steep slopes.

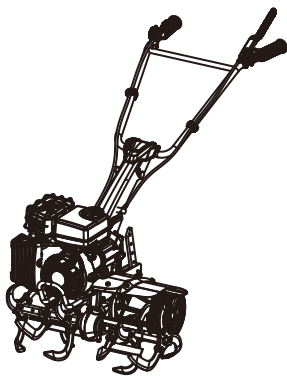
3.7 Use extreme caution when reversing or pulling the machine toward yourself.

3.8 Do not adjust the engine governor settings or overspeed the engine.

3.9 Start the engine strictly according to the manufacturer's instructions, keeping feet clear of rotating tools.

- 3.10 Keep hands and feet away from rotating parts.
 - 3.11 Never transport or carry the machine while the engine is running.
 - 3.12 Stop the engine under the following conditions:
 - A. Whenever leaving the machine unattended.
 - B. Before refueling.
 - 3.13 During engine shutdown: reduce throttle to idle for 30 seconds.
 If equipped with a fuel shut-off valve, turn it to OFF after stopping operation.
4. MAINTENANCE AND STORAGE
- 4.1 Ensure all nuts, bolts, and screws are properly torqued to maintain safe working condition.
 - 4.2 Never store the machine with fuel in the tank indoors. Gasoline vapors can ignite from open flames or sparks.
 - 4.3 Allow the engine to cool completely (≥ 30 minutes) before storing in enclosed spaces.
 - 4.4 To minimize fire risks:
 Keep the engine, muffler, and fuel storage area free of debris, dry vegetation, and grease buildup.
 - 4.5 Replace worn or damaged parts immediately to ensure operational safety.
 - 4.6 If draining the fuel tank is necessary, perform this task outdoors in a well-ventilated area.

III. UNPACKING & PACKING LIST



Component: 1 tiller

Tools



Spark arrestor tools-(1)
 T-Socket -(1)



8mm/10mmWrench-(1)
 10mm/12mmWrench-(1)
 13mm/15mmWrench-(1)
 16mm/18mmWrench-(1)



Engine oil bottle(350ml)-(1)
 Transmission oil bottle
 (500ml)-(1)

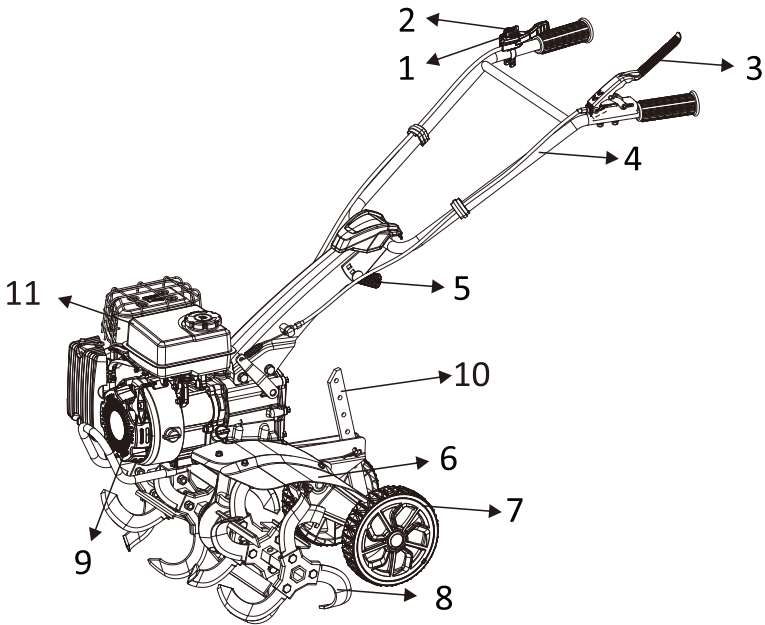


Manual-(1)

IV. SPECIFICATION

Model	TOA-0458
Rated Power (kW / rpm)	1.8 /3600
Engine Displacement(cc/hp)	99 /2.41
Fuel Tank Capacity(L)	1.8
Engine Oil Capacity(L)	350ml(Equipped with 350ml Oil bottle)
Engine Start	Recoil
Forward Speed(r / min)	150
Driving System	Gear
Transmission Oil Capacity(L)	500ml(Equipped with 500ml Oil bottle)
Transmission House	aluminium and cast iron
Tilling Width (Inch)	16.96
Tilling Depth (Inch)	≥ 3.94
Tine Speed (r / min)	149
Blades Type	3pcs,(2+1)/18pcs
Wheels Size (Inch)	8
Dimension (Inch)	51.0x37.8x24.1
Package Size (Inch)	32.3x21.1x24.4
Net Weight (LBS)	83.8

V. KNOW YOUR TILLER

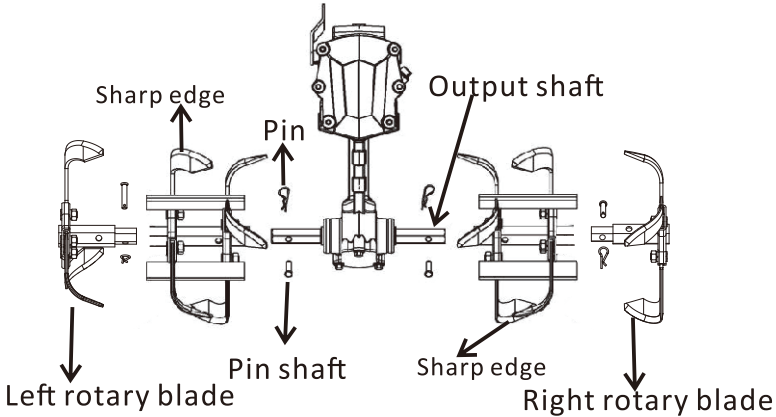


1. Throttle Switch
2. On/off Switch
3. Clutch Grip
4. Handle
5. Locking Grip
6. Fender
7. Walking Wheel
8. Rotary Blade
9. Recoil Starter
10. Resistance Bar
11. Fuel Tank

VI. INSTALLATION AND ADJUSTMENT

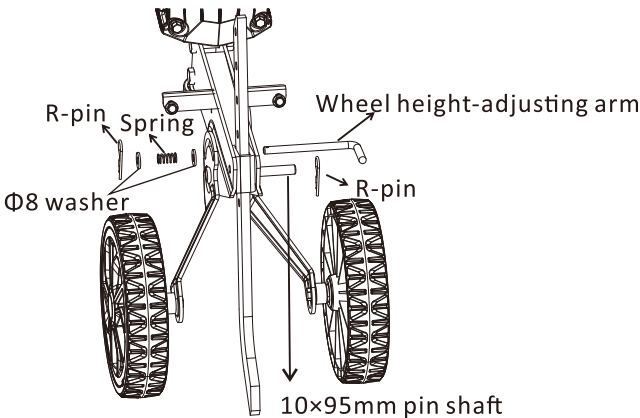
1. Rotary Blade Installation

- A. Secure the three blade sets (2+1 arrangement) with pin and pin shaft.
 - B. Rotary set installation on gear box: Fasten left/right side rotary blade assembly to output shaft of gear box with one pin and one pin shaft.
- NOTE: The sharp edge of the blade faces forward.



2. Walking Wheels Installation

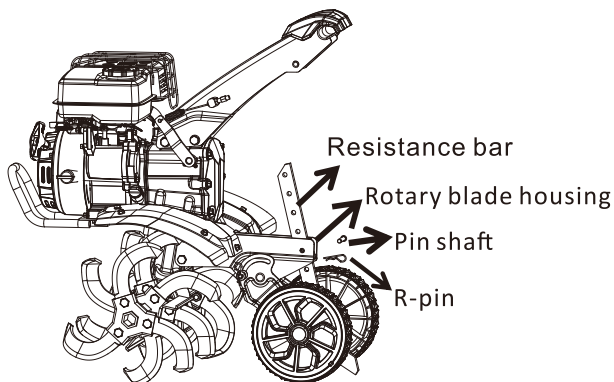
- 2.1 Install the walking wheels assembly onto the tow body.
- 2.2 Insert the 10×95mm pin shaft into the pivot hole and secure it with an R-pin.
- 2.3 Pass the height-adjusting arm through the walking wheel assembly and the tow body. On the left side, install a $\Phi 8$ washer, a spring, and another $\Phi 8$ washer in sequence, then secure with an R-pin.



3. Resistance Bar Installation

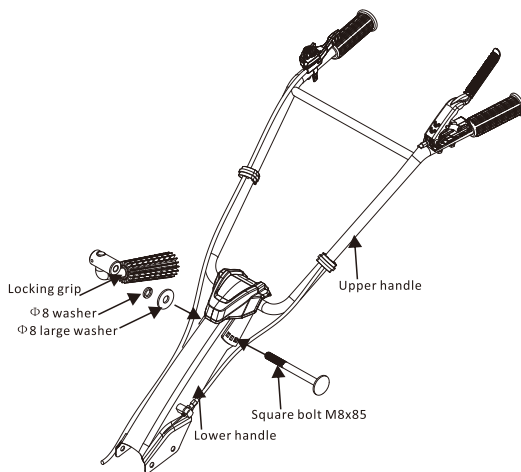
Insert the resistance bar into the rotary blade housing of the tow body, thread the pin shaft, and secure it with an R-pin.

NOTE: Adjust the resistance bar height according to soil conditions.



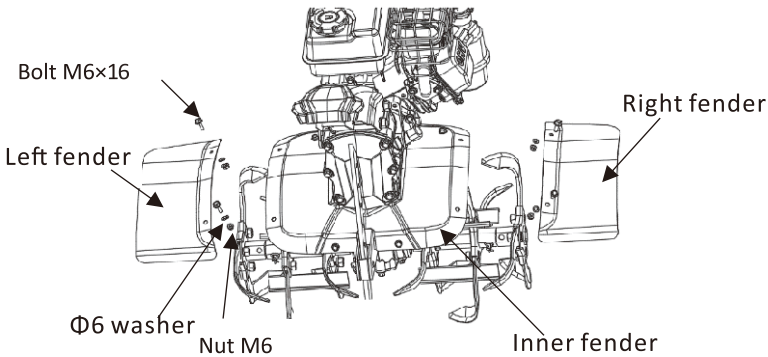
4. Handle Installation

Align the upper handle to lower handle with the mounting hole. Secure it with one M8x85 square-head bolt, one $\Phi 8$ large washer, one $\Phi 8$ washer, and a locking grip.



5. Fender Installation

Install fenders on both the left and right sides with 4 M6×16 bolts, 4 M6 nuts, and 4 Φ 6 washers.



6. Clutch Handle Adjustment

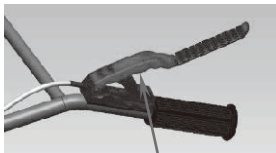
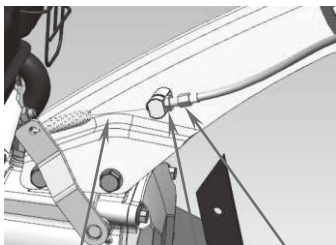
Ensure 4–8 mm of free play in the clutch cable.

If the free play is outside this range:

- A. Loosen the locking nut.
- B. Adjust the tension bolt incrementally.
- C. Test the clutch tension after each adjustment.

Verify functionality:

- When the clutch grip is engaged, engine power must be successfully transmitted to the gearbox.
- When disengaged, power must be completely cut off.



Clutch
cable

Locking
nut

Tension bolt

Clutch
grip

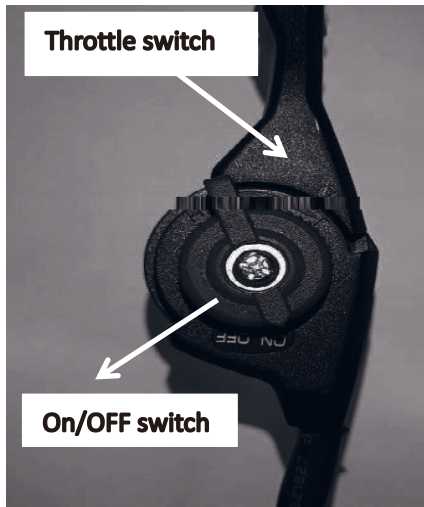
7. Throttle Switch And On/off Switch Operation

7.1 Starting the Engine:

- A. Turn the on/off switch to the "ON" position.
- B. Set the throttle to the high (H) position and start the engine.

7.2 Stopping the Engine:

- A. Disengage the clutch grip.
- B. Return the throttle to the Low (L) position.
- C. Turn the on/off switch to the "OFF" position.



VII. PREPARATION BEFORE OPERATION

1. Check the General Condition

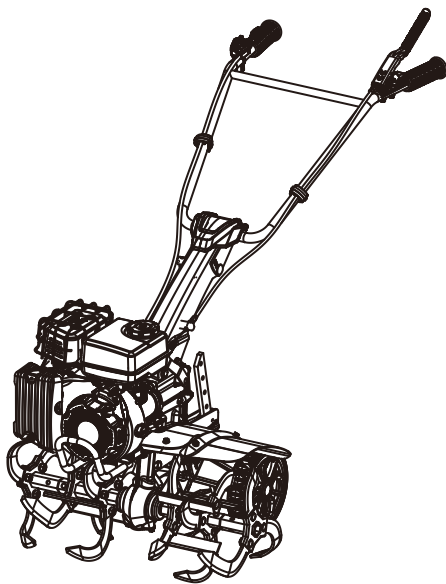
- Inspect the engine and surrounding area for oil or fuel leaks.
- Remove dirt or debris, especially near the muffler and recoil starter.
- Check for physical damage.
- Verify all shields/covers are installed, and all nuts, bolts, and screws are properly tightened.

2. Check the Engine

- Oil level: Check and fill as needed (see Section **IV.**).
NOTE: The engine is shipped without oil for safety. Fill before first use.
- Fuel level: Check and fill as needed (see Section **IV.**).
- Air filter: Inspect and clean/replace if dirty (see Section **XI.9.1**).

NOTICE:

- Running the engine without oil will cause severe damage. Always verify the oil level before operation.
- Ensure the machine is on level ground during checks.



VIII. BEFORE OPERATION

CAUTION:

- The tiller is equipped with protective fenders. Do not start the tiller if the fender is missing or damaged.

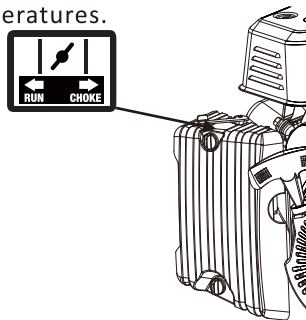
CAUTION:

- Before starting the engine: A. Disengage the clutch. B. Shift the lever to the neutral position to prevent sudden movement when the engine starts.

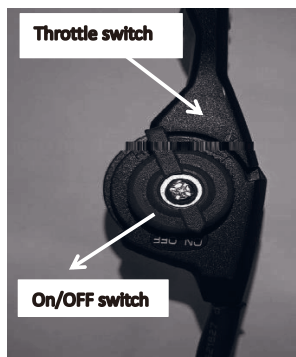
1. Starting The Engine

1.1 Move the choke lever to the ON position.

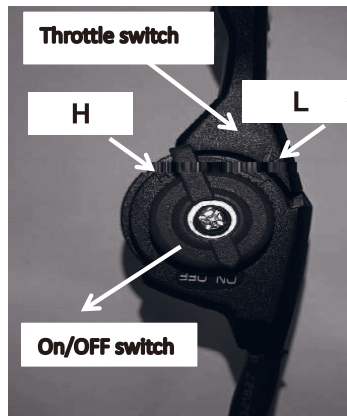
Note: The choke is only required for cold starts. Disable it if the engine is warm or in high ambient temperatures.



1.2 Move the engine On/off switch to the ON position.



1.3 Set the throttle to the high (H) position.



IX. OPERATION

1. Ensure the clutch grip is in the neutral position.

2. Starting Procedure:

2.1 Stabilize the machine by firmly gripping the handle with your left hand.

2. 2 With your right hand:

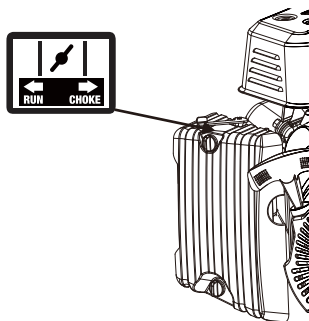
- a. Pull the recoil starter lightly until resistance is felt.
- b. Pull sharply upward to start the engine.
- c. Gently guide the starter back to its resting position.



- Never allow the recoil starter to snap back violently. Always guide it back slowly to avoid damaging the starter mechanism.



3. As the engine warm up, put the choke lever to RUN position

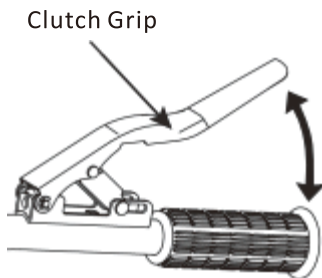
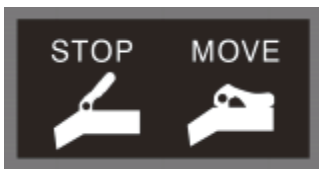


4. Operate Your Tiller

4.1 Start the engine as described in Section VIII 1-3. Allow it to idle for 2–3 minutes to warm up before operation.

4.2 Squeeze the clutch grip on “MOVE ON” position and the machine now move forward.

4.3 Release the clutch grip on “STOP” position to stop the machine to move on.



Note: *If the shift lever will not engage the desired gear, stop the engine, then squeeze the clutch lever and move the machine slightly to reposit the gears.*



Reduce engine speed (move the throttle lever to the low position) before operate the clutch.



Always release the clutch lever on the "STOP" position before operate with the shift handle.



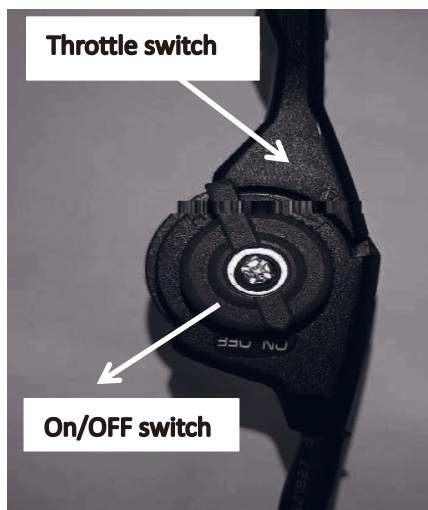
If the soil fastened on the blade, do not try to remove it before.

- **Releasing the clutch lever.**
- **Stopping the engine.**
- **Waiting up to 30 minutes after use to allow the engine to cool.**
- **Do not put your hand inside the blade.**

X. STOP THE ENGINE/AFTER USE

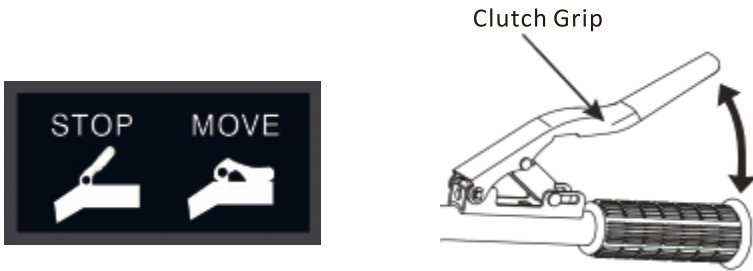
1. IN AN EMERGENCY:

- A. Release the clutch grip on "STOP" position to stop the machine to move on.
- B. Turn the engine On/off switch to "OFF" immediately.

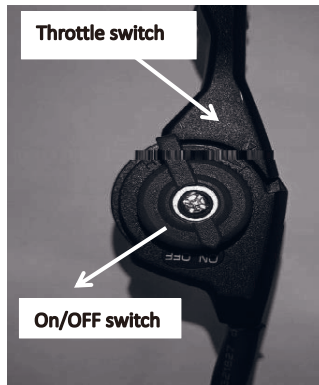


2. Normally, you should stop the engine as followed steps after use.

A. Release the clutch grip on “STOP” position to stop the machine to move on.



B. Turn the engine On/off switch to “OFF” immediately.



3. Clean blades.

NOTE: Waiting up to 30 minutes after use to allow the engine to cool.

4. Tighten loose screws and nuts.

5. Check for loose or damaged parts. If required, change damaged parts.

XI. SERVICING

1. Safety Precautions

A. Engine Safety:

Ensure the engine is completely turned off before performing any maintenance or repairs.

Allow the engine to cool for at least 30 minutes after operation before touching any components.

B. Ventilation Warning:

Never operate the machine indoors. Exhaust fumes contain carbon monoxide, a highly toxic and potentially lethal gas.

C. Preparation:

Read the service manual thoroughly before starting.

Verify that you have the required tools and technical expertise.

D. Fire Prevention:

Avoid open flames, sparks, or smoking near the machine.

Use only non-flammable solvents (never gasoline) to clean parts.

2. Maintenance Schedule

REGULAR SERVICE PERIOD(4)	Before each use	5Hrs. or First month	25Hrs. or Every 3 months	50Hrs. or Every 6 months	100Hrs or Every 6 months	250Hrs. or Every 2 year
Engine oil	Check	Change(2)		Change(2)		
Air filter	Check		Clean (1)	Clean (1)		Change
Linkages, lubricate	After every 10 Hrs.(3)					
Gear Oil	40 hours for the first time, 80 hours after then.					
Sediment cup				Clean		
Spark plug					Check Adjust	Change
Idle speed					Check Adjust (3)	
Valve clearance					Check Adjust (3)	
Combustion Chamber	After every 300 Hrs. (3)					
Fuel tank				Clean (3)		
Fuel filter				Clean (3)		
Fuel tube	Every 2 years (Replace if necessary) (3)					

NOTE:

- A. Service more frequently when used in dusty areas.
- B. Change oil every 25 hours when used in heavy load or in high ambient temperatures.
- C. These items should be serviced by a technician.

3.REFUELING

Use unleaded gasoline to produces fewer engine and spark plug deposits and extends exhaust system life.



Gasoline is highly flammable and explosive , and you can be burned or seriously injured when refueling.

Stop engine and keep heat, sparks, and flame away.

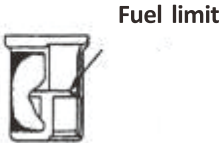
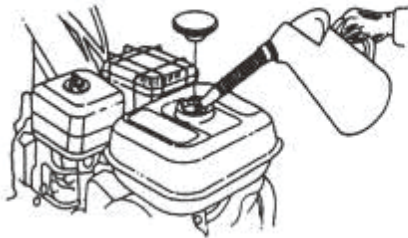
Refuel only outdoors.

Gasoline is poisonous, be careful not to touch or inhale the vapor.

The installation and major repair work shall be carried out only by specifically trained personnel.

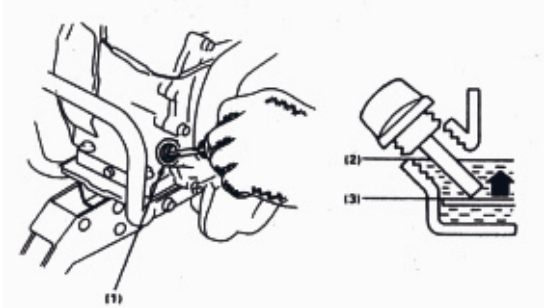
4. ADDING FUEL

- 4.1 Remove the fuel tank cap.
 - 4.2 Add fuel to the bottom of the fuel level limit in the neck of the fuel tank. Do not overfill. Wipe up spilled fuel before starting the engine.
- Fuel tank capacity:1.8L.



5. ENGINE OIL LEVEL CHECK

- 5.1 Check the oil level when engine is stopped.
- 5.2 Remove the oil filler cap/dipstick and wipe it clean.
- 5.3 Insert the oil filler cap/dipstick into the oil filler neck as shown, but do not screw it in, then remove it to check the oil level. Engine oil capacity:0.35L.

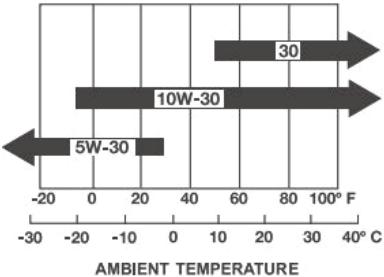


- 1. Oil filler cap/dipstick
- 2. Upper limit
- 3. Lower limit

- 5.4 If the oil level is near or below the lower limit mark on the dipstick, remove the oil filler cap/dipstick, and fill with the recommended oil to the upper limit mark (bottom edge of the oil fill hole). Do not overfill.
- 5.5 Reinstall the oil filler cap/dipstick.

6. ENGINE OIL RECOMMENDATIONS

- 6.1 Oil is a critical factor affecting engine performance and service life.
- 6.2 For general use, SAE 10W-30 detergent engine oil is recommended for four-stroke engines.



7. OIL CHANGE

Drain the engine oil when the engine is warm. Warm oil drains quickly and completely.

7.1 Turn the fuel valve to **off** position to reduce the possibility of fuel.

7.2 Place a suitable container next to the engine to catch the used oil.

7.3 Remove the drain bolt and drain the oil into the container by slightly tipping the engine toward the oil filler cap/dipstick.

7.4 With the engine in a level position, fill to the upper limit mark on the dipstick with the recommended oil.

7.5 Reinstall the oil filler cap/dipstick securely.

We suggest you take used oil in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the trash, pour it on the ground, or down a drain.

Engine oil capacity: 0.35L



- ***Running the engine with a low oil level can cause engine damage.***
- ***Engine oil is poisonous, be careful not to touch it.***

8. LUBRICATION



No service must be carried out before:

No parts inside the gearbox are to be lubricated. All bearings and bushings are permanently lubricated and require no maintenance.

Lubricating these parts will only result in the grease getting on to the friction wheel and disc drive plate, which could damage the rubber clad friction wheel.

For long time storage the above-mentioned parts should be lightly wiped with an oily rag to prevent rust.

9. AIR CLEANER SERVICE

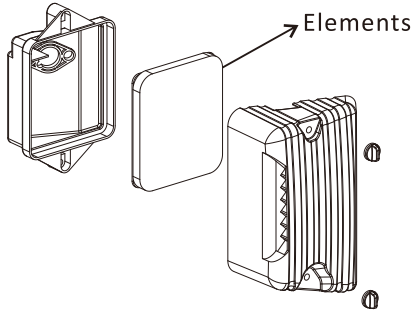
A dirty air filter will restrict air flow to the carburetor, reducing engine performance. If you operate the engine in very dusty areas, clean the air filter more often than specified in the **MAINTENANCE SCHEDULE**.

NOTICE

Operating the engine without an airfilter, or with a damaged airfilter, will allow dirt to enter the engine, causing rapid engine wear.

9.1 INSPECTION

- 1.Remove the air cleaner cover. Be careful to prevent dirt and debris from falling into the air cleaner base.
2. Remove the air cleaner from the air cleaner base.
- 3.Inspect the air cleaner elements. Replace any damaged elements clean or replace dirty elements.



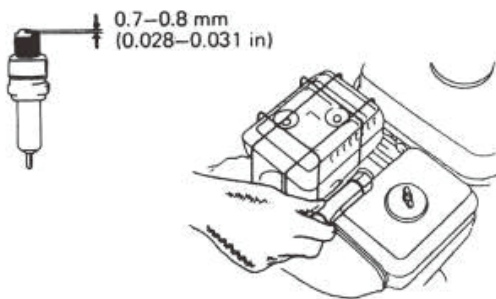
9.2 CLEANING

1. Remove the air cleaner cover and foam element, as described in the procedure.
- 2.Remove the paper element from the air cleaner base.
3. Paper air filter element: Tap the filter element several times on a hard surface to remove dirt.
Never try to brush off dirt; brushing will force dirt into the fibers.
4. Foam air filter element: Clean in warm soapy water, rinse, and dry thoroughly.
Dip the filter element in clean engine oil, then squeeze out all excess oil.
5. Excess oil will restrict air flow through the foam element and may transfer to the paper element, soaking and clogging it.
6. Wipe dirt from the inside of the air cleaner base and cover, using a moist rag. Be careful to prevent dirt from entering the air duct that leads to the carburetor.
- 7.Reinstall the air cleaner elements, and make sure both elements are properly positioned. Install the air cleaner cover and tighten the wing bolts securely.

10. SPARK PLUG SERVICE

Recommended spark plug: F6RTC

1. Disconnect the spark plug cap, and remove any dirt from around the spark plug area.
2. Remove the spark plug with a spark plug wrench.
3. Inspect the spark plug. Replace it if the electrodes are worn, or if the insulator is cracked or chipped.
4. Measure the spark plug electrode gap with a suitable gauge. The gap should be 0.028~0.031 in (0.70~0.80mm). Correct the gap if necessary, by carefully bending the side electrode.



5. Install the spark plug carefully, by hand, to avoid cross-threading.
 6. After the spark plug seats, tighten with a spark plug wrench to compress the sealing washer.
- If reinstalling the used spark plug, tighten 1/8-1/4 turn after the spark plug seats.
If installing a new spark plug, tighten 1 / 2 turn after the spark plug seats.

NOTICE

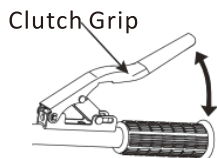
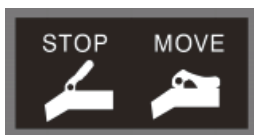
A loose sparkplug can overhand and damage the engine.

Overtightening the sparkplug can damage the threads in the cylinder head.

7. Attach the spark plug cap.

11.Clutch cable

Check the free distance as follow. If the distance is not correct, loose the lock nut and adjust the bolt. Next tighten the lock nut and check for a proper clutch lever operation.



XII. STORAGE

Never store the machine with petrol in the fuel tank in a confined area with bad ventilation. Petrol fumes could reach open flames, sparks and cigarettes etc.

If the machine is to be stored for a longer period than 30 days, the following methods are recommended.

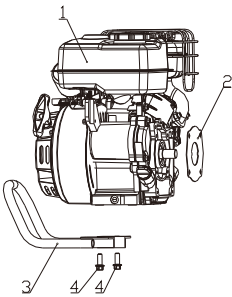
1. Empty the fuel tank.
2. Start the engine and let it run until it stops due to lack of fuel.
3. Change the engine oil if it has not been done for 3 months.
4. Remove the spark plug and empty a little engine oil (about 30 ml) in the hole. Crank the engine a couple of times. Screw back the spark plug.
5. Clean the whole machine thoroughly.
6. Lubricate all the parts as shown in lubricating above.
7. Inspect the machine for damage, repair if necessary.
8. Touch up any paint damage.
9. Rust protection to the metal surfaces.
10. Store the machine indoors if possible.

XIII. TRANSPORTING

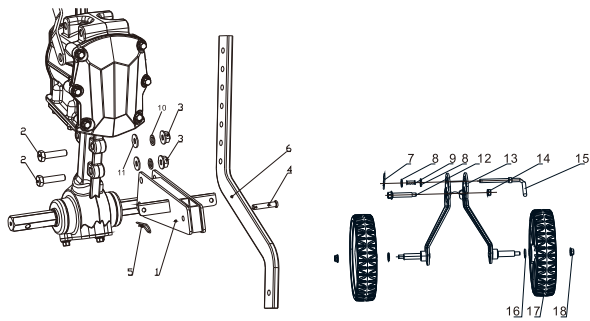
If the engine has been running, allow it to cool for at least 15 minutes before loading the machine on the transport vehicle. A hot engine and exhaust system can burn you and can ignite some materials.

Keep the engine machine when transporting to reduce the possibility of fuel leakage. Move the fuel valve lever to the OFF position.

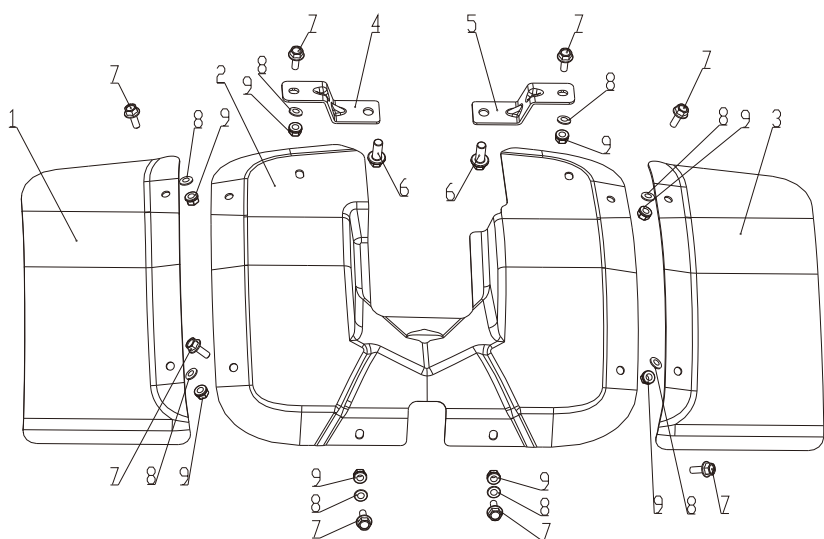
XIV. EXPLODED VIEW & PARTS LIST



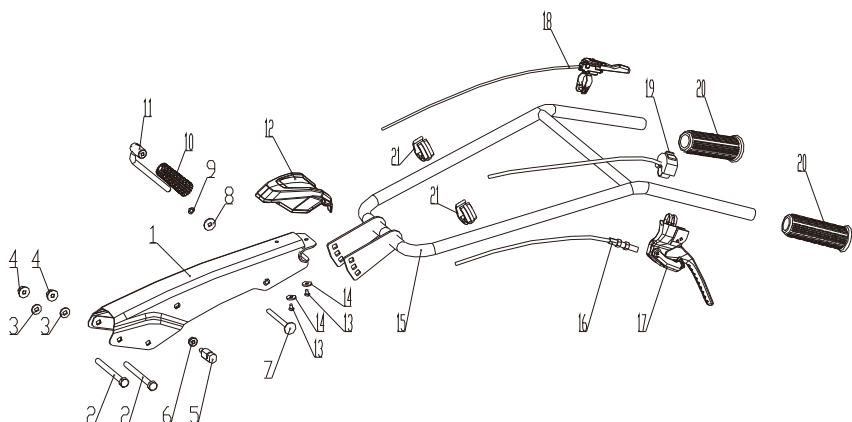
REF.NO.	PART NO	DESCRIPTION	Q'TY
F06-1	R0W0Z1H00A-0000001	Engine Comp.	1
F06-2	24307-U0C0110-00A0	Engine Seal Gasket	1
F06-3	58410-U0C0110-H6A0	Guard	1
F06-4	90001-0820-01A0	Hexagon Socket Flange Face Bolt - Small Series	2



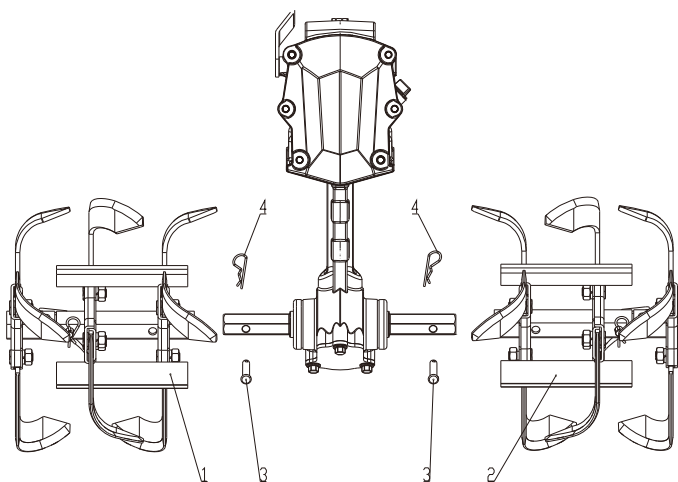
REF.NO.	PART NO	DESCRIPTION	Q'TY
F07-1	76025-U0C0110-H6A0	Trailing Body	1
F07-2	90005-1045-0108	Hexagonal Head Bolt - Full Thread	2
F07-3	90303-1000-3108	Type 1 Hexagon Nut	2
F07-4	90504-0835-01A0	Pin Shaft	2
F07-5	93124-U050110-0100	R-Pin	3
F07-6	76016-U0C0110-H6A0	Resistance bar	1
F07-7	93124-U050110-0100	R-Pin	1
F07-8	16552-U0V0310-0000	Washer	2
F07-9	90798-U0V0110-0100	Compression Spring	1
F07-10	90403-1000-0108	Standard Spring Washer	2
F07-11	90408-1000-E108	Flat Washer - Grade A	2
F07-12	90208-U0V0110-0100	Hexagonal Step Bolt	1
F07-13	76211-U0V0110-H700	Transportation Wheel Rack	1
F07-14	90308-0800-31A0	Type 2 Non-Metallic Insert Hexagon Lock Nut With Flange	1
F07-15	79158-U0V0110-0100	Height Adjusting Handle	1
F07-16	90405-G130110-0000	Wave Elastic Washer	2
F07-17	40206-G030110-Q2A0	Push Wheel	2
F07-18	90308-0800-31A0	Type 1 Non-Metallic Insert Hexagon Lock Nut	2



REF.NO.	PART NO	DESCRIPTION	Q'TY
F08-1	76007-U0C0210-H600	Fender	1
F08-2	76007-U0C0111-H6A0	Fender	1
F08-3	76007-U0C0310-H600	Fender	1
F08-4	80009-U0C0110-H6A0	Support, Front Fender	1
F08-5	80009-U0C0210-H6A0	Support, Front Fender	1
F08-6	90001-0820-01A0	Hexagon Socket Flange Face Bolt - Small Series	2
F08-7	90007-0616-01	Hexagon Socket Flange Face Bolt - Big Series - Grade B	8
F08-8	90406-0600-E108	Flat Washer - Grade A	8
F08-9	90343-0600-31A0	Type 1 Non-Metallic Insert Hexagon Lock Nut	8



REF.NO.	PART NO	DESCRIPTION	Q'TY
F09-1	54200-U0C0110-Y1A0	Armrest Assembly	1
F09-2	90002-U0C0110-01A0	Hexagon Socket Flange Face Bolt - Fin Thread - Small Series	2
F09-3	90408-1000-E1A0	Flat Washer - Grade A	4
F09-4	90306-1000A01A2	Hexagon Nut With Flange - Fin Thread	2
F09-5	54037-U0C0110-01A0	Inhaul Cable Base	1
F09-6	90305-Z010110-0008	Hexagon Nut With Flange	1
F09-7	90028-U0C0110-01A0	Grade B Small Half Round Head Low Square Neck Bolts	1
F09-8	90406-0800-E108	Large Washer - Grade A	1
F09-9	90403-0800-Z108	Standard Spring Washer	1
F09-10	54101-U080210-0000	Sleeve, Handle Rubber	1
F09-11	54203-U0B0110-01A0	Lock Handle	1
F09-12	82007-U0C0110-Q2A0	Cover, Decorated	1
F09-13	90107-4813-0108	Cross-Recessed Pan Head Self-Tapping Screw	2
F09-14	90406-0500-3108	Large Washer - Grade A	2
F09-15	54110-U0C0210-H6A0	Handle Tube Assy	1
F09-16	16550-U0C0210-00A0	Throttle Cock Assembly	1
F09-17	90001-0630-0108	Hexagon Socket Flange Face Bolt - Small Series	2
F09-18	24510-U0C0110-RTA0	Forward Clutch Handle Assembly	1
F09-19	54101-U050210-Q200	Sleeve, Handle Rubber	2
F09-20	90684-U070111-0000	Wire Clip	2



REF.NO.	PART NO	DESCRIPTION	Q'TY
F10-1	76700-U0C0110-H6A0	Left Rotary Blade	1
F10-2	76700-U0C0210-H6A0	Right Rotary Blade	1
F10-3	90504-0840-0108	Pin Shaft	2
F10-4	93124-U050110-0100	Pin	2

XV. WARRANTIES

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 2025/2026 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

- (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.

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

KIT HIGH ALTITUDE 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.

BILT HARD

