

HONDA TILLER MODEL F28

OWNER'S MANUAL



IMPORTANT NOTICE

**This tiller is not equipped with a spark arrestor.
Operation on forest covered, brush covered, or
grass covered land may not be legal in some states.
Check local laws and regulations before operation.**

PREFACE

Read and understand this manual before attempting to operate the F28 tiller.

Correct handling and proper servicing will maintain the tiller in top operating condition for a long and useful life. This tiller is designed for rugged service; however, if problems should arise, consult the dealer from whom you bought it and he will provide you with prompt service.

NOTE: The tires shown installed in this manual are optional parts.

In this manual statements preceded by the following words are of special significance:
"WARNING" means that there is the possibility of personal injury to yourself and others.
"CAUTION" means that there is the possibility of damage to the machine.
"NOTE" indicates points of particular interest for more efficient and convenient operation.

We recommend that you take particular notice of these items when reading this manual.

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SAFE OPERATION OF THE HONDA TILLER, MODEL F28

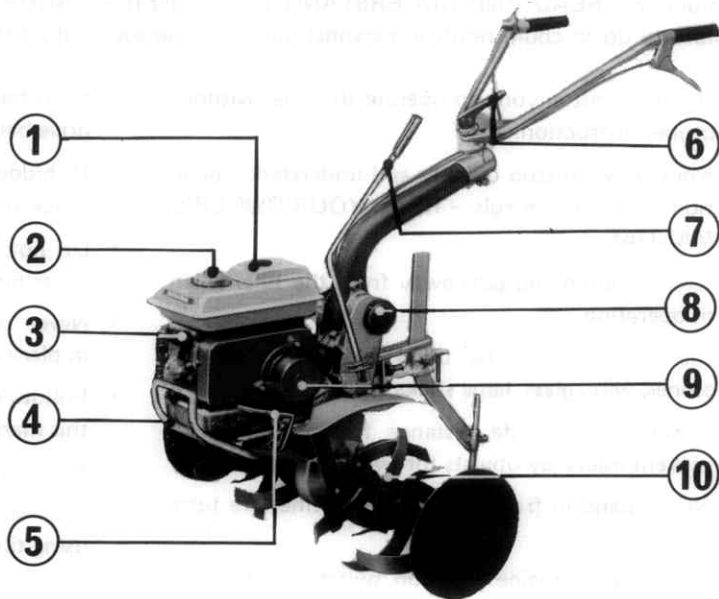
WARNING:

The Honda F28 tiller is designed to give reasonably safe and effective service if operated according to these instructions. **READ AND UNDERSTAND THE OWNER'S MANUAL** before attempting to operate the tiller. Failure to do so could result in personal injury or damage to the tiller.

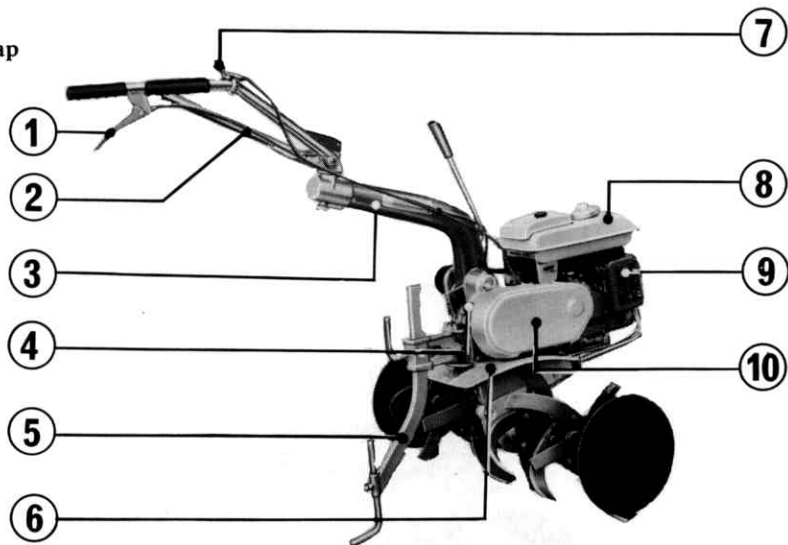
- Never permit anyone to operate the tiller without proper instruction.
 - Know how to stop quickly and understand operation of all the controls – **READ YOUR OWNER'S MANUAL**.
 - Keep children and pets away from the tiller when in operation.
 - Clear the area to be tilled by picking up any stones, wire, glass, large sticks, metal, etc.
 - Always stay a safe distance from the tines to prevent injury by objects thrown by the tiller.
 - Never stand in front of tines while tines are turning.
 - Always stop engine (ignition switch/fuel valve at OFF) before cleaning tines or making adjustments.
 - Keep hands and feet away from rotating parts and drive belt while engine is running.
 - If hidden object is struck, turn off engine and check for damage to tiller.
 - Do not allow debris to buildup around engine or other operating parts.
 - Never operate the tiller without the belt cover in place.
 - Follow recommended maintenance suggestions in this manual.
 - Make sure all fasteners are properly secured.
 - Wear suitable clothing and substantial shoes while using tiller.
-

NAMES OF MAIN COMPONENTS

- ① Air cleaner cover
- ② Fuel tank cap
- ③ Spark plug cap
- ④ Stand
- ⑤ Engine mounting lever
- ⑥ Handlebar clamp lever
- ⑦ Shift lever
- ⑧ Handlebar column locking knob
- ⑨ Recoil starter
- ⑩ Tine assy



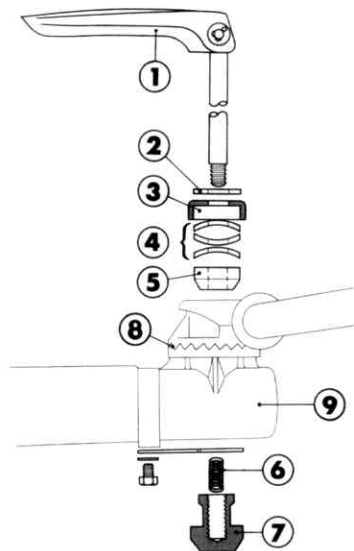
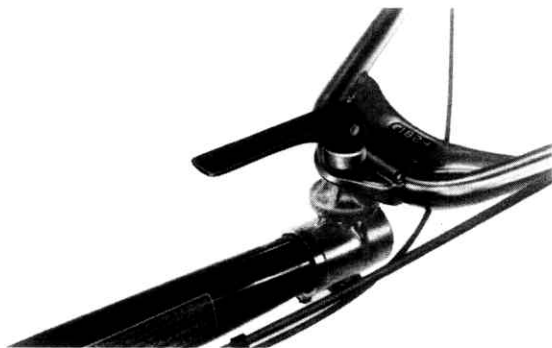
-
- ① Clutch lever and lock
 - ② Handlebar
 - ③ Handlebar column
 - ④ Transmission oil filler cap
 - ⑤ Hitch/drag bar assy
 - ⑥ Fender
 - ⑦ Throttle lever
 - ⑧ Fuel tank
 - ⑨ Carburetor cover
 - ⑩ V-belt cover



ASSEMBLY INSTRUCTIONS

HANDLEBAR CLAMP LEVER ASSEMBLY

1. Place washer, spring seat, springs, and collar on clamp lever shaft.
2. Insert shaft through handlebar and handlebar mount on handlebar column.
3. Check that serrations are aligned.
4. Tighten clamp lever adjuster nut to hold handlebar securely.

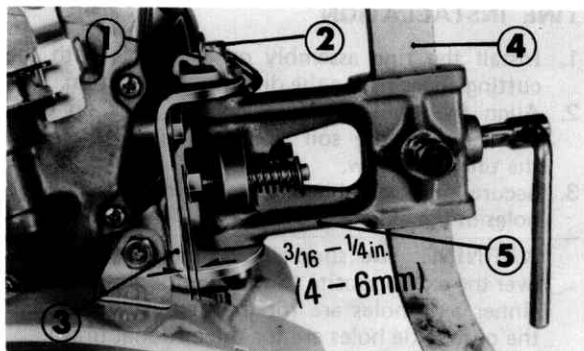


- | | | | |
|---|-----------------------|---|-----------------|
| ① | Clamp lever | ⑥ | Spring |
| ② | Washer | ⑦ | Adjuster nut |
| ③ | Spring seat | ⑧ | Serrations |
| ④ | Springs (note camber) | ⑨ | Handlebar mount |
| ⑤ | Collar | | |

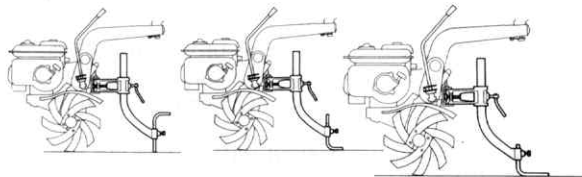
HITCH/DRAW BAR ASSEMBLY

1. Install hitch attachment in hitch box with weight holder pin. (Hitch pin clip snaps into relief in weight holder pin to retain pin.)
2. Adjust hitch bolts so that the clearance between the hitch box and the tips of the bolts is $3/16$ – $1/4$ in. on either side when the hitch bar is aligned with the handlebar column.
3. Set Drag Bar Tip As Required:
 - For hard soil, use the straight end of drag bar tip as stabilizer.
 - For normal soil, use the shorter bent end of drag bar tip as stabilizer.
 - For very soft soil, use the longer bent end of drag bar tip as stabilizer.

NOTE: Note the direction of the hitch bolts and springs.



- | | |
|---------------------|--------------------|
| ① Hitch pin clip | ④ Drag bar |
| ② Weight holder pin | ⑤ Hitch attachment |
| ③ Hitch box | |



For hard soil

For normal soil

For very soft soil

TINE INSTALLATION

1. Install the tine assembly on each axle with the cutting edges facing the direction of rotation.
2. Align the tine assemblies so the tines on each side contact the soil simultaneously; otherwise the tiller may yaw.
3. Secure tine assemblies with locking pins through holes in the axles.

WARNING: Be sure clip of locking pins snap over the axle opposite to the direction of rotation. (Inner axle holes are for the tine assemblies and the outer axle holes are for the optional tires.)

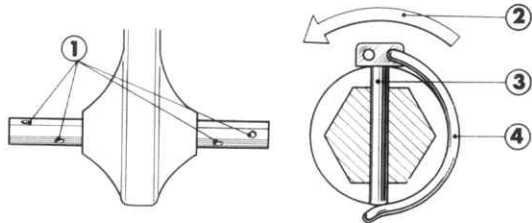
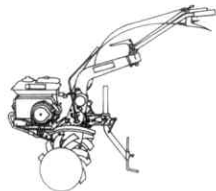
Depending on the width of the crop rows and soil condition, the number of tine blades can be changed from one to three on each side. Always have the same number of blades on each side. Use three blades on each side for normal or cultivated ground. Use two blades on each side for hard ground.

Tine diameter	12 in.
Overall width	36 in. (3 blades with discs)
	25 in. (2 blades with discs)
	13 in. (1 blade without discs)

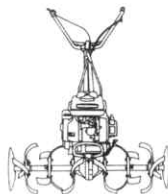
Disc

A removeable disc, attached with a locking pin can be installed on the end of each tine assembly. Disc can be used as a guide along sidewalks, fence, etc., and also can be used to stabilize unit.

WARNING: The edges of the discs are sharp and can cause injury.



- ① Locking pin holes ③ Locking pin
② Direction of axle rotation ④ Clip



Standard tine assembly

PRE-OPERATION SERVICING

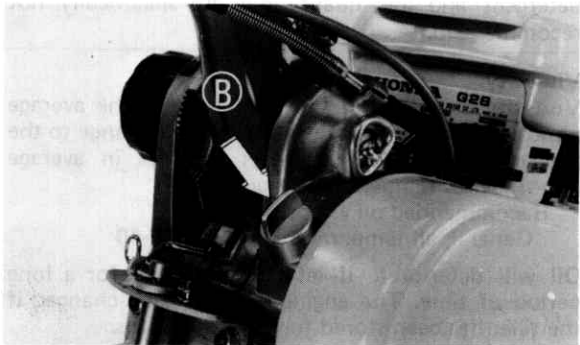
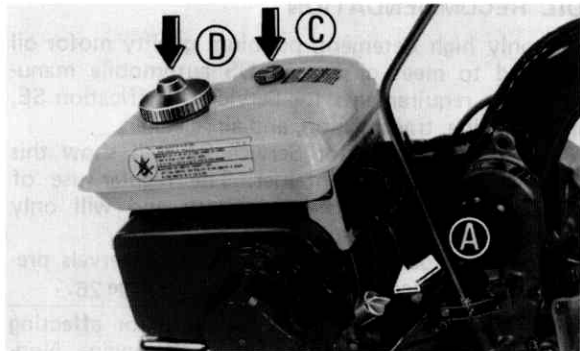
CHECK THE FOLLOWING ITEMS BEFORE STARTING ENGINE

.....
A. Engine oil for proper level.

.....
B. Transmission oil for proper level.

.....
C. Air cleaner oil for proper level and contamination
(Clean if necessary).

.....
D. Check fuel level.



OIL RECOMMENDATION

Use only high detergent, premium quality motor oil certified to meet or exceed US automobile manufacturer's requirements for Service Classification SE, in the engine, transmission, and air cleaner.

Motor oils intended for Service SE will show this designation on the container. The regular use of special oil additives is unnecessary and will only increase operating expenses.

Engine oil should be changed at the intervals prescribed in the Maintenance Schedule on page 26.

CAUTION: Engine oil is a major factor affecting the performance and service life of the engine. Non-detergent and low quality oils are specifically not recommended.

Viscosity:

Viscosity selection should be based on the average atmospheric temperature in your area. Change to the proper viscosity oil whenever changes in average atmospheric temperature require it.

- Recommended oil viscosity:
General, all temperatures, **SAE 10W-40**

Oil will deteriorate if left in an engine for a long period of time. The engine oil should be changed if the tiller has been stored for several months.

ENGINE OIL LEVEL

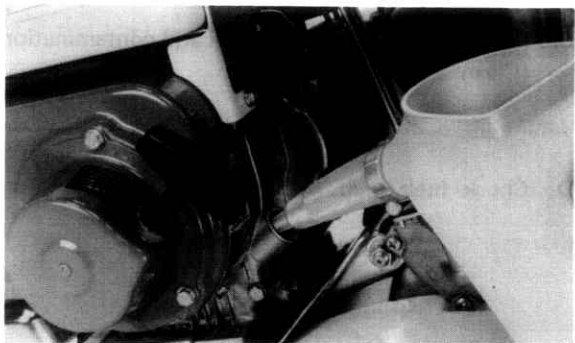

When filling or checking oil level, be sure engine is level.

Remove the oil filler cap and fill with a proper grade oil to the required level (0.7qt)

Overfilling will result in power loss and smoking. Insufficient oil will cause overheating and subsequent wear.

ALTERNATE

S. A. E. groups	Outside temp.	
	°C	°F
# 40	20°	68°



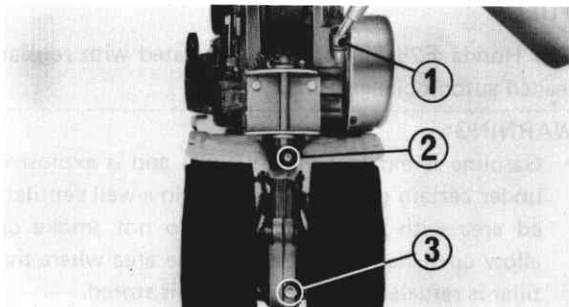
TRANSMISSION OIL LEVEL

When filling or checking oil level, place the tiller in a level position.

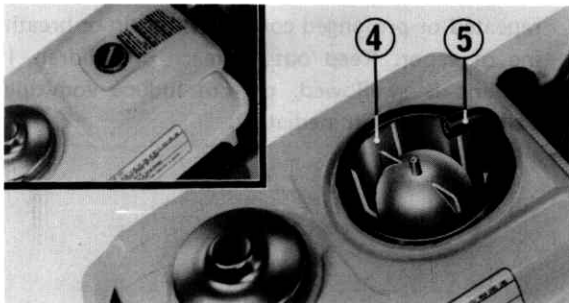
Loosen the oil level bolt, remove the oil filler cap and fill with recommended oil. Oil will flow from the oil level bolt hole when the proper level has been reached. Tighten oil level bolt and reinstall oil filler cap.

AIR CLEANER OIL LEVEL

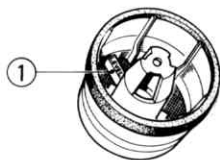
Place the tiller in a level position. Remove the air cleaner cover and fill the air cleaner case with the recommended oil to the level shown. The air cleaner oil should be changed frequently and the air cleaner element washed if the tiller is operated under dusty conditions.



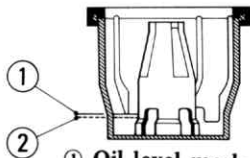
- ① Oil filler neck
- ② Oil level bolt
- ③ Oil drain plug



- ④ Air cleaner case
- ⑤ Breather tube



- ① Oil level mark



- ① Oil level mark
- ② Fill to 1/16"-1/8" below oil level mark

FUEL

The Honda F28 Tiller may be operated with regular leaded automobile gasoline.

WARNING:

- Gasoline is extremely flammable and is explosive under certain conditions. Refuel in a well ventilated area with engine stopped. Do not smoke or allow open flames or sparks in the area where the tiller is refueled or where gasoline is stored.
 - Never fill the tank above the screen of the filter basket.
 - Gasoline is harmful or fatal if swallowed. Avoid repeated or prolonged contact with skin or breathing of vapor. Keep out of reach of children. If gasoline is swallowed, do not induce vomiting. Call a physician immediately.
-

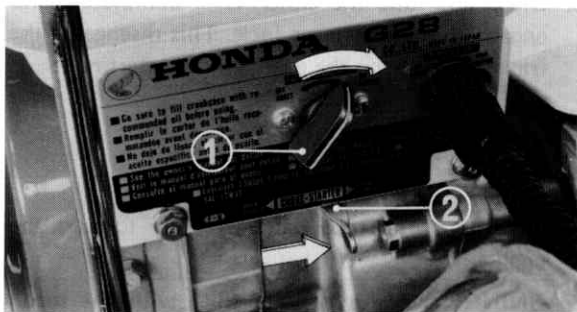


① Filter basket screen

STARTING THE ENGINE

WARNING: Exhaust contains poisonous carbon monoxide gas. Avoid inhalation of exhaust gases. Never run the engine in a closed garage or confined area.

1. Turn the ignition switch/fuel valve to ON and move the choke lever to the CLOSE position.
2. Move the throttle lever in the direction of the arrow so that the indicator located at the side of the throttle knob is in the START position.

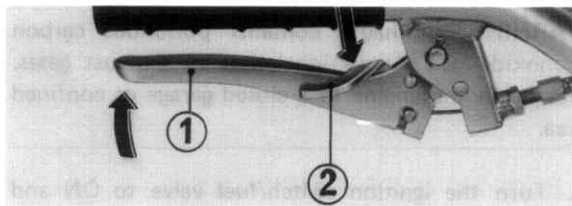


① Ignition switch/fuel valve ② Choke lever



③ Throttle position indicator

-
3. Grasp and raise the clutch lever completely and engage the clutch lever lock. This disengages the transmission from the engine during starting.



① Clutch lever ② Clutch lever lock

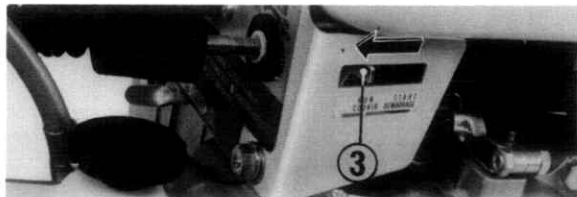
4. Pull the starter rope handle rapidly to start the engine.

WARNING: Do not operate tiller with the recoil starter removed, because moving parts are exposed.

CAUTION: Do not allow the starter rope to snap back.



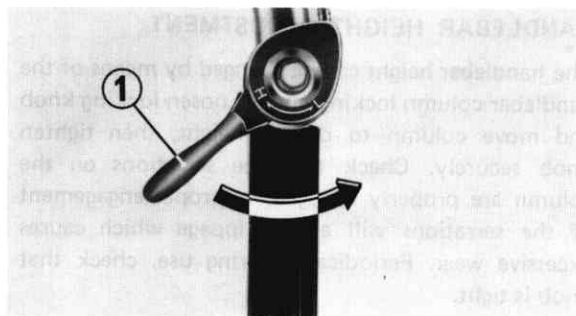
5. Move the choke lever to the OPEN position and warm up the engine for one to two minutes. Then, move throttle lever to set the throttle position indicator at the RUN position to increase the engine speed.



③ Throttle position indicator

STOPPING THE ENGINE

1. Move the throttle lever to the extreme right to lower the engine speed.



① Throttle lever

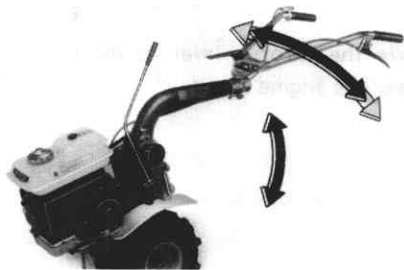
2. Turn ignition switch/fuel valve to the OFF position to stop the engine.



OPERATING INSTRUCTIONS

HANDLEBAR HEIGHT ADJUSTMENT

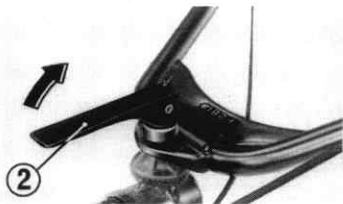
The handlebar height can be changed by means of the handlebar column locking knob. Loosen locking knob and move column to desired height, then tighten knob securely. Check that the serrations on the column are properly engaged. Improper engagement of the serrations will allow slippage which causes excessive wear. Periodically during use, check that knob is tight.



① Handlebar column locking knob

HANDLEBAR ANGLE ADJUSTMENT

The handlebar angle can be adjusted by raising the handlebar clamp lever and positioning the handle as desired then returning the clamp lever into its original position.



② Handlebar clamp

CLUTCHES

The Honda F28 Tiller has two clutch systems which insure easy operation of the tiller.

CENTRIFUGAL CLUTCH

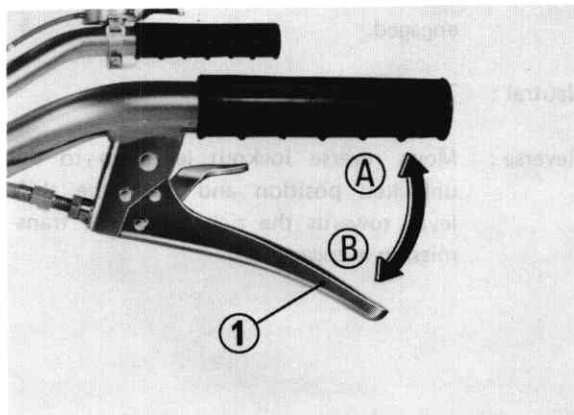
The centrifugal clutch is built into the engine. When the engine speed is increased, the centrifugal clutch engages and the engine becomes linked to the drive pulley. This clutch prevents the engine from stopping when the throttle lever is placed in the idle position and the manual clutch is engaged.

MANUAL CLUTCH (belt tension clutch)

The manual clutch engages the engine to the tiller transmission.

The manual clutch is engaged by first pulling up the clutch lever to release the clutch lever lock then slowly releasing the clutch lever to engage the transmission.

If the clutch lever lock is pressed and held while releasing the clutch lever, the clutch lever is locked in the disengaged position.



① Clutch lever ① Disengaged ② Engaged

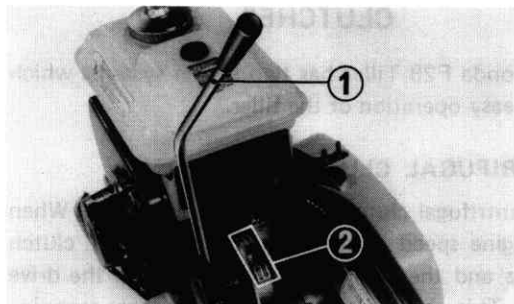
GEAR SELECTION

The transmission can be shifted into forward or reverse. The shift lever should be operated in accordance with the attached gear shifting plate.

Forward : Move the reverse lockout lever down to the lock position and push the shift lever towards the left until the transmission is engaged.

Neutral : The middle position.

Reverse : Move reverse lockout lever up to the unlocked position and push the shift lever towards the right until the transmission is engaged.



① Shift lever

② Gear shifting plate

SHIFT LEVER OPERATION

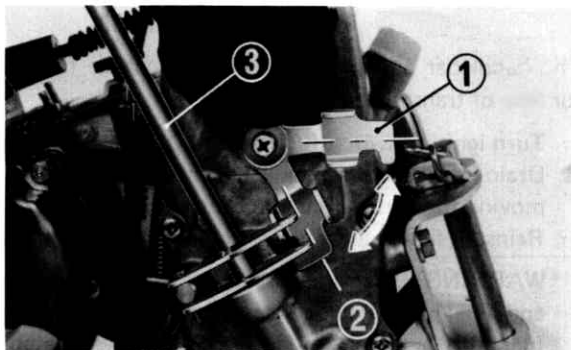
1. Move the throttle lever to the idle position.
2. Squeeze and lock the clutch lever.
3. Position reverse lockout lever as required.
4. Push the shift lever to either the forward or reverse position.

NOTES:

- If the shift lever will not engage the desired gear, engage the manual clutch and move the tiller slightly to reposition the gears.

CAUTIONS:

- Before shifting into forward, move the reverse lockout lever to the lockout position, to prevent accidentally engaging reverse.
 - Before shifting, return the throttle lever to the idle position and disengage the clutch. Then move the shift lever to engage the gears. Do not use excessive force on the shift lever while attempting to engage the gears.
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- ① Reverse lockout lever ③ Shift lever
② Lockout position

FOLDING FOR TRANSPORTATION

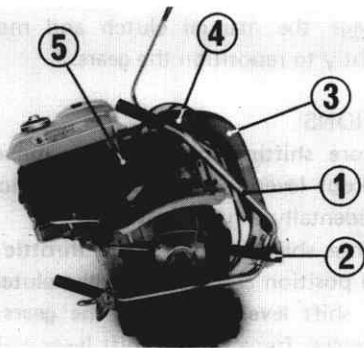
The handlebar and handlebar column can be folded for ease of transportation or storage.

1. Turn ignition switch/fuel valve to ON.
2. Drain gasoline from tank and carburetor by removing fuel strainer cup on bottom of carburetor. Reinstall fuel strainer cup and tighten right nut.

WARNING: Gasoline is extremely flammable and is explosive under certain conditions. Drain fuel into a metal container in a well ventilated area with the engine stopped. Do not smoke or allow open flames or sparks in the area where the fuel is being drained.

3. Turn ignition switch/fuel valve to OFF.
4. Remove air cleaner case to prevent oil spillage during transit. (Reinstall before operating tiller.)
5. Remove shift lever to prevent damage. (Reinstall before operating tiller.)
6. Remove hitch/drag bar assembly.
7. Remove handlebar clamp lever, rotate handlebar mount 90° to the left and reinstall handlebar at angle shown. Tighten clamp lever.

8. Remove both tine assemblies or left wheel, whichever is applicable.
9. Loosen handlebar column locking knob and swing handlebar column down all the way. Tighten column locking knob.
10. Transport folded tiller on the left side to prevent oil spillage from the crankcase.
11. Reverse these steps to put the tiller back into operation.

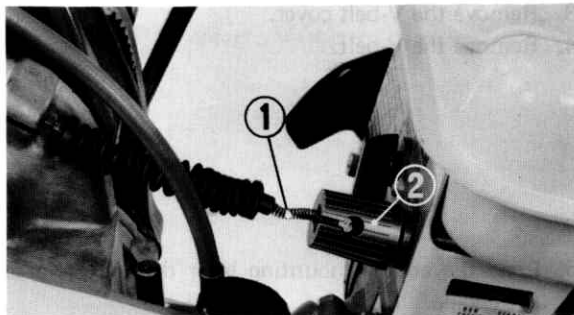


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|-------------------------|---------------------------------|
| ① Handlebar | ④ Handlebar column locking knob |
| ② Handlebar clamp lever | ⑤ Recoil starter |
| ③ Handlebar column | |

ENGINE REMOVAL AND INSTALLATION

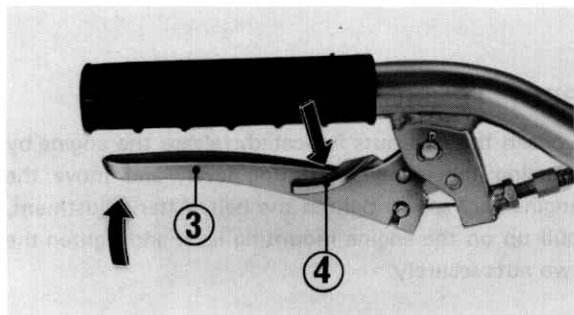
The engine can be easily removed and reinstalled for servicing convenience.

1. Remove the throttle cable from the throttle knob.



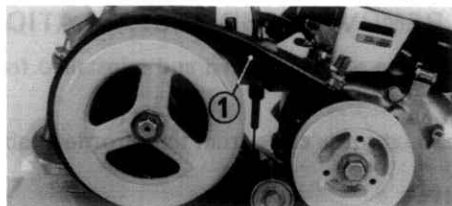
① Throttle cable ② Throttle knob

2. Grasp and raise clutch lever completely and engage clutch lever lock.



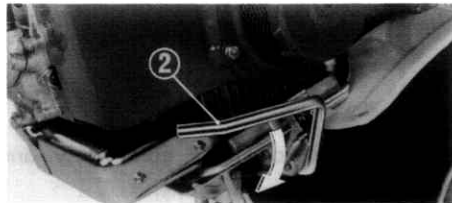
③ Clutch lever ④ Clutch lever lock

3. Remove the V-belt cover.
4. Remove the V-belt.



① V-belt

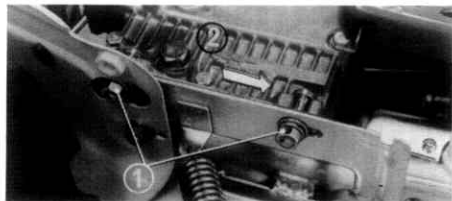
5. Press the engine mounting lever down to release the engine.
6. Reinstall the engine by reversing the preceding sequence.



② Engine mounting lever

BELT TENSION ADJUSTMENT

Loosen the two nuts indicated, release the engine by pressing the engine mounting lever, and move the engine forward to tighten the belt. After adjustment, pull up on the engine mounting lever and tighten the two nuts securely.



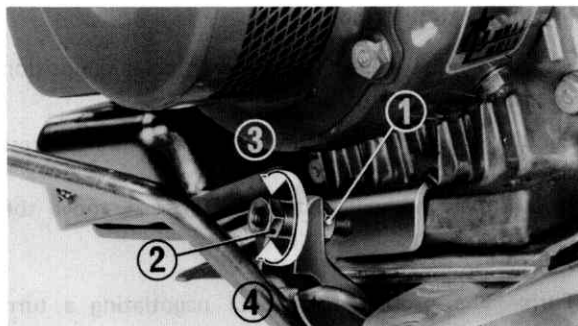
① Nuts

② Slide

ENGINE MOUNTING LEVER ADJUSTMENT

The engine must be held securely, so it will not move during operation.

The engine mount may be tightened by releasing the lock nut and turning the adjusting nut counter-clockwise until the engine is securely fastened. Then retighten the lock nut.

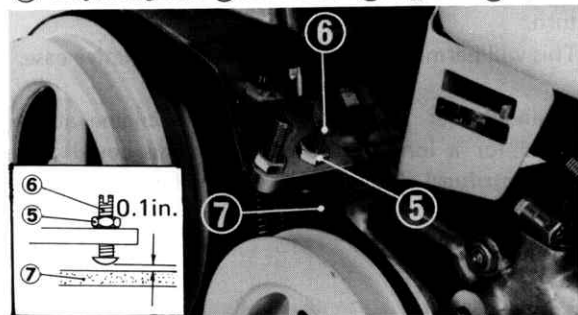


① Adjusting nut ② Lock nut ③ Tighten ④ Loosen

BELT STOPPER SCREW ADJUSTMENT

With the manual clutch engaged, the belt stopper screw should be adjusted so that a clearance of 0.1 inch exists between the belt and the head of the stopper screw.

If the clearance is excessive, the belt may not fully disengage when the manual clutch lever is squeezed.



⑤ Lock nut ⑥ Adjusting screw ⑦ V-belt

HANDLING TIPS

Adjust handlebar height to a comfortable position (waist high for normal tilling).

Should machine jerk forward when tilling, press down on the handlebar.

If the machine will not move forward, move the handlebar from side to side.

Turn: The proper method of negotiating a turn during tilling operation is to lower the handlebar to bring the weight toward the rear and then make the turn.

This will permit a turn to be made with relative ease.

Engine Speed: Do not operate the engine at low speed for a long period of time. This could cause the centrifugal clutch to slip and overheat.



MAINTENANCE

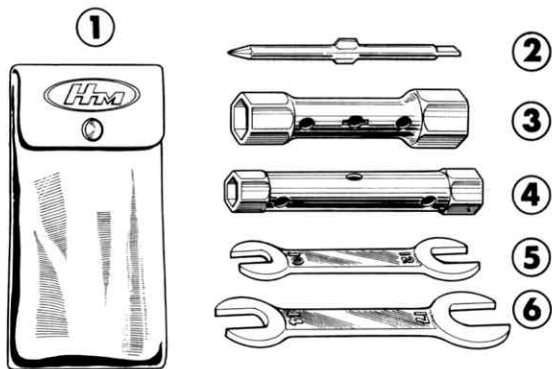
TOOL KIT

The tool kit furnished with the F28 Tiller is illustrated in the picture below.

This tool kit is adequate for routine maintenance of the Honda Tiller. It should be kept in a convenient place so as to be available at all times. Adjustments or repairs which cannot be performed with these tools should be referred to your HONDA POWER PRODUCTS dealer.

WARNING: To maintain the safety and reliability of your HONDA tiller do not modify the tiller. Use only genuine HONDA parts when servicing or repairing.

The use of other replacement parts which are not of equivalent quality may impair the operation of your tiller.



- | | | | |
|---|-------------------|---|--------------------------|
| ① | Tool bag | ④ | 10x14 mm socket wrench |
| ② | Screw driver | ⑤ | 10x12 mm open end wrench |
| ③ | Spark plug wrench | ⑥ | 14x17 mm open end wrench |

MAINTENANCE GUIDE

Periodic inspection and adjustment of the Honda Tiller is essential if a high level of performance is to be maintained. Regular maintenance will also insure the longest possible life of your Honda Tiller.

Provided below is a maintenance chart describing proper intervals and types of maintenance to be performed.

Item \ Period	Initial 20 Hours	Every 50 Hours	Every 100 Hours	Every 200 Hours
Change engine oil	○		○	
Change transmission oil	○			○
*Clean air cleaner and change air cleaner oil	○	○		
Clean and check spark plug			○	
Check points and adjust ignition timing				●
Adjust drive belt	○			○
Adjust carburetor		●		
Grease recoil starter shaft			●	
Clean fuel filter				●
Clean fuel strainer cup		○		
Adj. clutch cable	○			○
Adj. throttle cable	○			○
Adj. valve clearance				●
Tighten nuts & bolts			○	

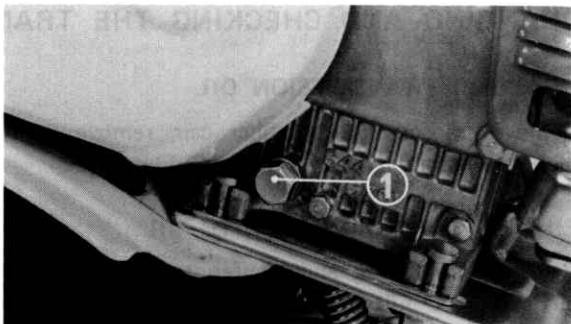
- Performed by owner
- Performed by dealer

* Should be performed every 20 hours if used under unusually dusty conditions.

ENGINE OIL CHANGE

DRAINING ENGINE OIL

When changing the engine oil, the oil is drained by removing the oil drain plug on the right side of the engine. To ensure complete draining, be sure engine is level and the oil warm.

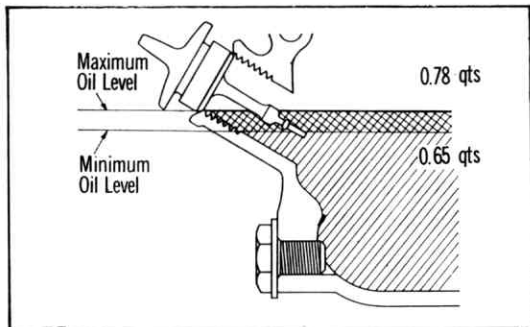


① Oil drain plug

OIL LEVEL

After the oil is drained completely, reinstall and tighten the drain plug securely. With the engine setting level, remove the oil filler cap and fill the crankcase with the recommended oil up to the maximum oil level indicated. Reinstall and tighten oil filler cap.

Oil capacity: 0.78 qts.



CHANGING AND CHECKING THE TRANSMISSION OIL

DRAINING TRANSMISSION OIL

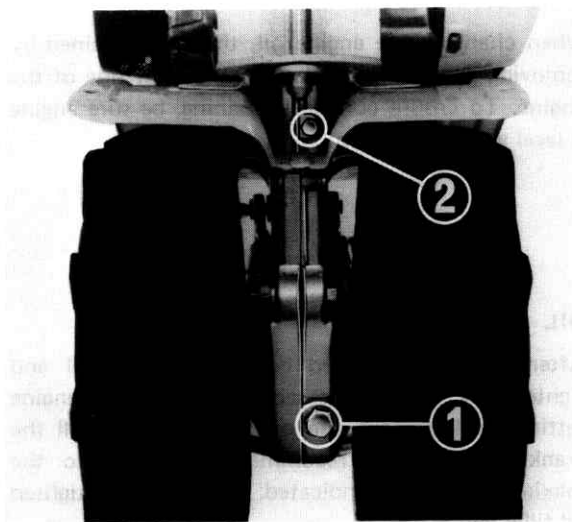
Remove transmission oil filler cap, remove drain plug, and drain the oil. The tiller should be level.

FILLING TRANSMISSION WITH OIL

Reinstall drain plug and tighten securely. Loosen oil level bolt. Fill transmission with recommended oil (1 qt.) until the oil begins to come from the oil level bolt hole. Tighten the oil level bolt and reinstall and tighten the oil filler cap.

CHECKING TRANSMISSION OIL LEVEL

Position the tiller in a level position and remove the oil level bolt. If there is sufficient oil in the transmission, oil will come from the oil level bolt hole. After checking, reinstall and tighten the oil level bolt.



① Drain plug

② Oil level bolt

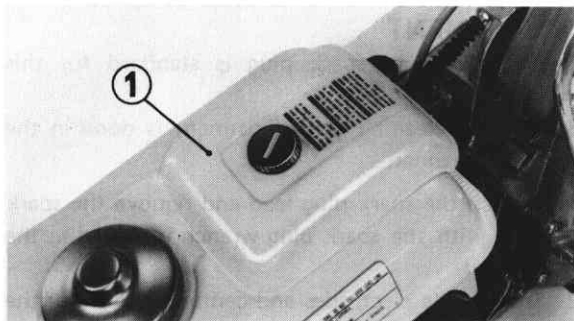
CLEANING THE AIR CLEANER AND CHANGING THE AIR CLEANER OIL

If the air cleaner element becomes clogged with dust, the output of the engine is reduced significantly. Also dust may begin to enter the engine and shorten the life of the piston and cylinder.

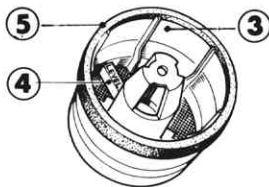
1. Remove the air cleaner cover. Remove the air cleaner element and clean with solvent.

WARNING: Gasoline or low flash point solvents are highly flammable and under some conditions explosive and must not be used to clean the air cleaner element.

2. Saturate element with oil, then squeeze out excess oil.
3. Empty oil from air cleaner case and wash out accumulated dirt with solvent. Dry the case.
4. Fill the case to the oil level indicated in the illustration.
5. Reassemble air cleaner and reinstall.
6. Reinstall air cleaner cover.

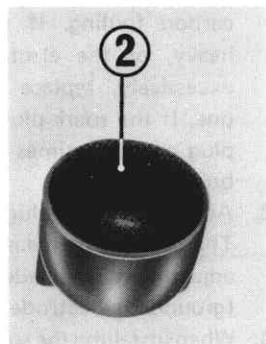


① Air cleaner cover



② Air cleaner element

③ Air cleaner case



④ Oil level mark

⑤ Rubber seal

SPARK PLUG REPLACEMENT AND ADJUSTMENT

The NGK C-6HB spark plug is standard for this model.

Spark plug cleaning and adjustment is done in the following manner.

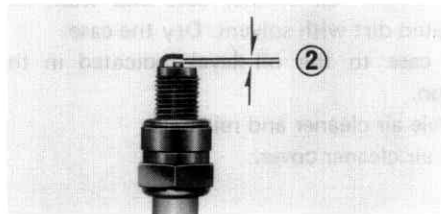
1. Detach the spark plug lead and remove the spark plug with the spark plug wrench provided in the tool kit.
2. Inspect the electrodes and center porcelain of the spark plug for deposits, eroded electrodes, or carbon fouling. If the spark plug deposits are heavy, or the electrodes appear to be eroded excessively, replace the spark plug with a new one. If the spark plug is carbon or wet fouled, the plug can sometimes be cleaned with a stiff wire brush.
3. Adjust the spark plug gap to 0.03in. The gap can be measured with a feeler gauge. The adjustment is made by bending the negative (grounded) electrode .
4. When installing the spark plug it should be screwed in finger tight and then torqued with the wrench a further 1/2 to 3/4 turn to compress the washer.

CAUTION:

- Spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly cause damage to the engine.
 - Never use a spark plug with a heat range that is not recommended.
 - Do not attempt to dry or remove soot from the spark plug by burning the tip.
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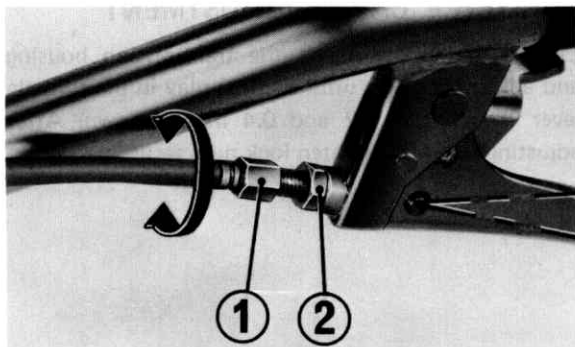
① Spark plug wrench



② 0.03 in.

CLUTCH CABLE ADJUSTMENT

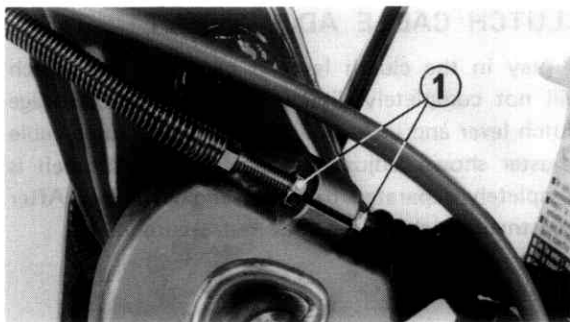
If play in the clutch lever is excessive, the clutch will not completely disengage. To adjust, disengage clutch lever and lock it. Then, using the clutch cable adjuster shown, adjust the cable so that the belt is completely separated from the engine pulley. After adjustment, tighten the lock nut securely.



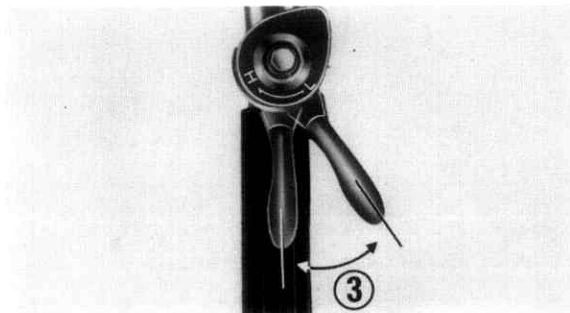
① Clutch cable adjuster ② Lock nut

THROTTLE CABLE ADJUSTMENT

Loosen the lock nuts on the transmission housing and adjust lock nuts until the free play in the throttle lever is between 0.2 and 0.4 in. as shown. After adjusting free play, tighten lock nuts securely.



① Lock nut

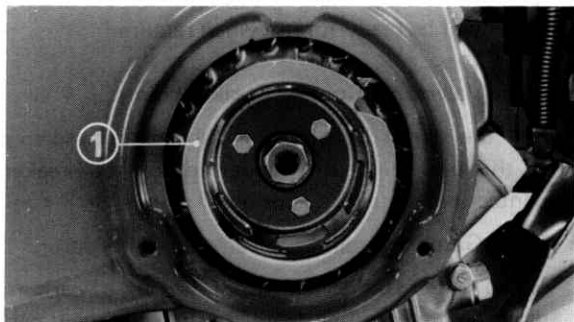


③ 0.2–0.4 in.

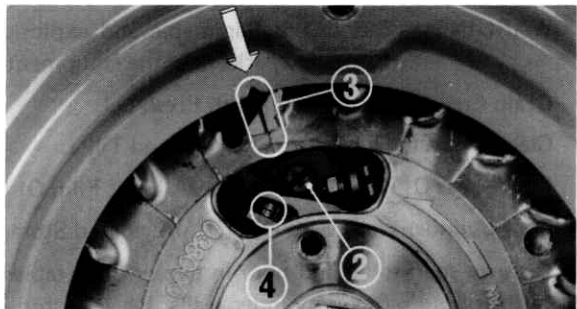
ADJUSTING THE IGNITION TIMING

Improper ignition timing will cause a reduction in power output of the F28 Tiller engine.

1. Remove the recoil starter, starter pulley, and point cover, to expose the contact breaker points.
2. The ignition timing is correct when the points start to open when the marked cooling fin passes the index mark in the fan cover and the piston is on the compression stroke.
3. If the ignition timing is incorrect, loosen the contact breaker points mounting screw and adjust the ignition timing with a screw driver inserted in the notches. If the contact breaker points are pitted, or burned, the points should be replaced and the condenser checked. A gray discoloration is normal and can be removed with a point file. Filing should be done carefully. Clean the point contacts after filing with a clean piece of unwaxed paper such as a business card, or with a chemical point cleaner.
4. If engine is still difficult to start, or runs erratically, see your HONDA POWER PRODUCTS dealer.



① Starter pulley



② Mounting screw

③ Marked fin

④ Contact breaker points

PREPARATION FOR STORAGE

To prepare the tiller for extended storage (over 30 days), the following should be accomplished to ensure that the tiller will be ready for use when required.

- Close Valves and Contact Breaker Points.

Pull the starter handle until it becomes hard to pull (the piston is coming up on the compression stroke). In this position, both valves and contact breaker points will be closed. This will protect valve seats and contact points from corrosion.

- Drain Gasoline From Fuel Tank and Carburetor.

Remove fuel strainer cup from bottom of carburetor, turn ignition switch/fuel valve to the ON position and drain all the gasoline from the fuel tank and carburetor into a metal container. Reinstall fuel strainer cup and tighten right nut. Turn ignition switch/fuel valve to the OFF position.

WARNING: Gasoline is flammable and explosive under certain conditions. Do not smoke or allow open flames or sparks near the equipment while draining fuel.

- Drain Engine Oil and Refill with Fresh Oil.
- Clean Dirt and Debris From Engine and Tiller.
- Coat Areas Of Possible Rust With A Light Film Of Oil.
- Coat Cylinder Walls With Oil. (If Anticipated Storage Will Exceed 1 Year.)

Remove spark plug and pour in two or three tablespoons of clean oil into cylinder. Pull starter handle slowly to distribute oil over cylinder walls. Leave piston on compression to close valves and points. Reinstall spark plug. (Note: it may be necessary to raise the front of the tiller to distribute the oil evenly around the cylinder.)

- Cover Tiller and Store In A Dry, Dust-free Area.
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REMOVAL FROM STORAGE

To remove the tiller from storage, accomplish the following.

Remove Spark Plug and Pull Starter Handle Several Times.

- Check That Spark Plug Is Clean and Properly Gapped, Reinstall Plug and Tighten.
- Check Oil Level In Engine, Transmission, and Air Cleaner.
- Fill Fuel Tank.

WARNING: Gasoline is flammable and explosive under certain conditions. Do not smoke or allow open flames or sparks near the equipment while filling tank. Do not fill tank inside the building.

- Turn Ignition Switch/Fuel Valve To ON and Note That Fuel Strainer Cup Fills With Fuel.
- Check Operation and Condition Of All Controls. (If any parts are required, use only genuine Honda parts.)
- Start Engine and Check Operation. (Note: If oil was used in the cylinder for storage, initial engine operation will produce excessive smoke. This will clear up.)

SPECIFICATIONS

Engine type	OHC single-cylinder, forced air-cooled four-stroke gasoline.
Displacement	67 cc (4.1 cu. in.)
Maximum output	3.0 HP/6000 rpm (S.A.E.)
Maximum torque	2.83 ft.-lb./4000 rpm
Air cleaner	Oil bath type
Gasoline tank capacity	0.65 U.S. gal. for 3.3 hours operation
Starter	Recoil
Clutches	Automatic centrifugal and manual V-belt
P.T.O. shaft	19mm x 4mm; flat keyway; 2500 rpm clockwise
Transmission	Two speeds forward with V-belt adjustment; new reverse gear with safety lock
Dimensions	56 x 23 x 35 in.
Weight	81.5lbs., dry, without tines
Shaft width	Maximum (three tines each side); 36 inches; Minimum (one tine each side); 13 inches
Spark plug type	C-6HB (NGK)
Spark plug gap	0.03 in.
Engine oil capacity	0.78 qt.
Transmission oil capacity	1 qt.

Current customer service contact information:

United States, Puerto Rico, and U.S. Virgin Islands:

Honda Power Equipment dealership personnel are trained professionals. They should be able to answer any question you may have. If you encounter a problem that your dealer does not solve to your satisfaction, please discuss it with the dealership's management. The Service Manager or General Manager can help. Almost all problems are solved in this way.

If you are dissatisfied with the decision made by the dealership's management, contact the Honda Power Equipment Customer Relations Office. You can write:

American Honda Motor Co., Inc.
Power Equipment Division
Customer Relations Office
4900 Marconi Drive
Alpharetta, GA 30005-8847

Or telephone: (770) 497-6400 M-F, 8:30 am - 5:00 pm EST

When you write or call, please provide the following information:

- Model and serial numbers
- Name of the dealer who sold the Honda power equipment to you
- Name and address of the dealer who services your equipment
- Date of purchase
- Your name, address, and telephone number
- A detailed description of the problem



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