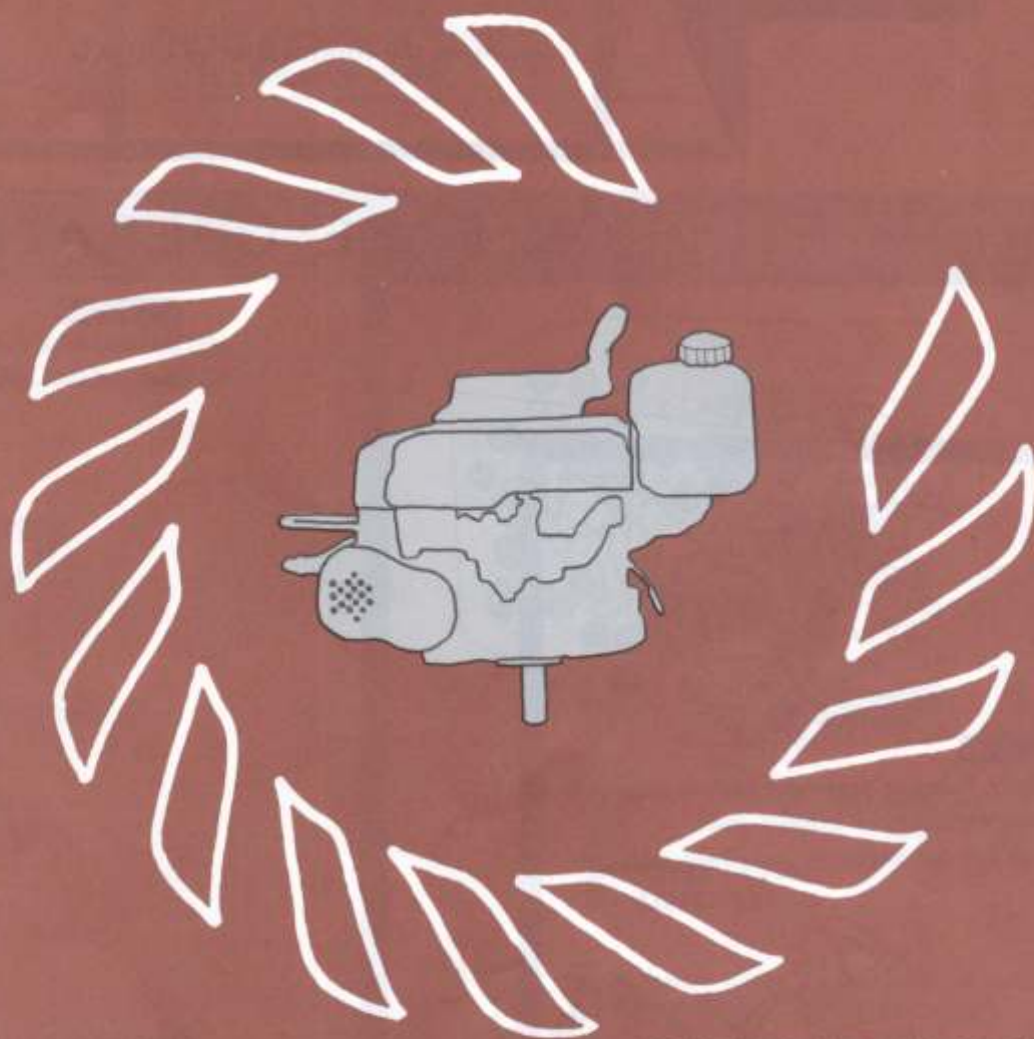


# HONDA GV150

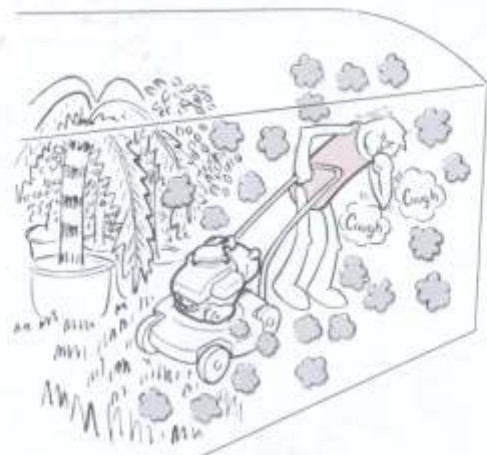
## VERTICAL ENGINE



## OWNER'S MANUAL

Thank you for purchasing the HONDA GV150 vertical engine.  
If any trouble should develop with your unit, consult the dealer  
from whom you purchased it.

# FOR SAFE OPERATION



## WARNING

- Exhaust contains poisonous carbon monoxide gas. Avoid inhalation of exhaust gases.
- Never run the engine in a confined area.



## WARNING

- Gasoline is extremely flammable and explosive under certain conditions. Refuel in a well ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where the GV150 is refueled or where gasoline is stored.

## WARNING

Do not overfill the tank. (There should be no fuel in the filler neck.) After refueling, make sure the filler cap is closed securely.

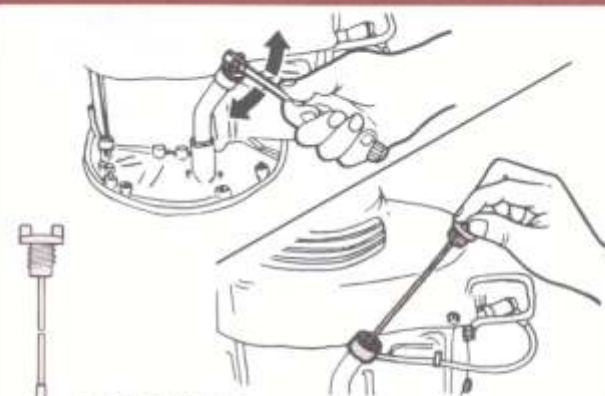


## OTHER PRECAUTIONS

- This engine is not equipped with a spark arrestor. Operating this engine may not be legal in some states. Check local laws and regulations before operation.
- Keep hands and feet clear of rotating parts.
- Don't touch the muffler during operation because it is hot.
- Note that the bolts and nuts used on this engine are metric.
- Do not allow any grass, mud or dirt to collect around the recoil starter or the fuel filler cap area. Keep these areas clean, or engine trouble may result.
- Do not put your feet or any articles on the fuel tank.
- Never attempt to modify your HONDA engine.

# PRE-OPERATION CHECK

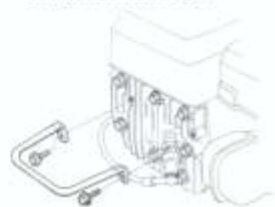
## OIL FILLER CAP



- Fill with engine oil up to the oil level gauge.
- Engine oil capacity: 0.6 lit  
(1.3 US pt, 1.1 Imp pt)
- Use SE rated SAE 10W-40 engine oil.

NOTE: Use a screw-driver when opening or closing the filler cap.

## PLUG GUARD INSTALLATION



## RECOIL STARTER



## CONTROL LEVER

## SPARK PLUG CAP

## MUFFLER

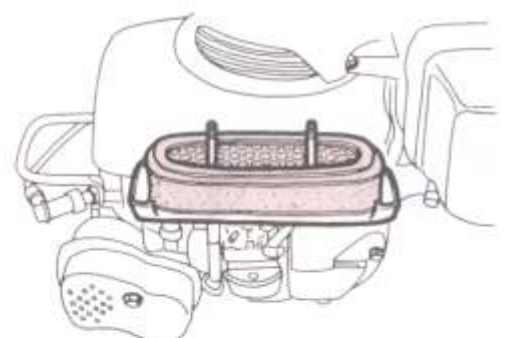
## CARBURETOR

## FUEL FILLER CAP



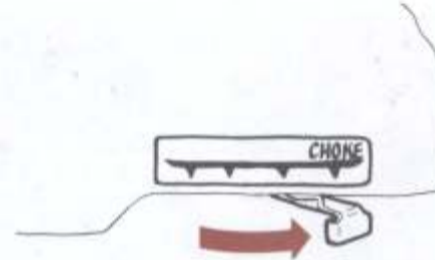
- Fill fuel tank with regular automotive gasoline.
- Tank capacity: 2.0 lit  
(0.53 US gal, 0.44 Imp gal)

NOTE: Always replace cap securely.



• Check air cleaner element; clean if dirty.

STARTING



Move the control lever to CHOKE.



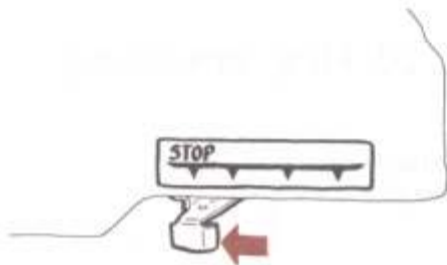
Pull the recoil starter briskly.  
NOTE: Return it slowly.



When the engine warms up, move control lever between HIGH and LOW.

RUNNING

STOPPING



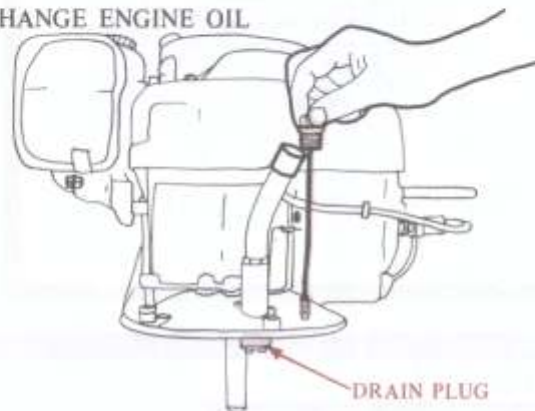
Move the control lever to STOP.

# MAINTENANCE

**WARNING: SHUT THE ENGINE OFF BEFORE PERFORMING ANY MAINTENANCE**

## First 20 Hrs. operating

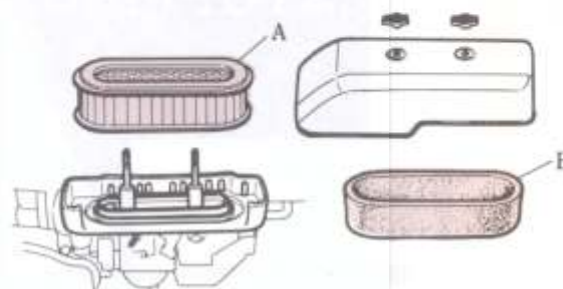
### • CHANGE ENGINE OIL



- ★ Engine oil capacity: 0.6 lit (1.3 US pt, 1.1 Imp pt)
- ★ Use SE rated SAE 10W-40 engine oil.
- ★ When removing the drain plug, raise the carburetor side up to prevent fuel from spilling.

## Every 20 Hrs. operating

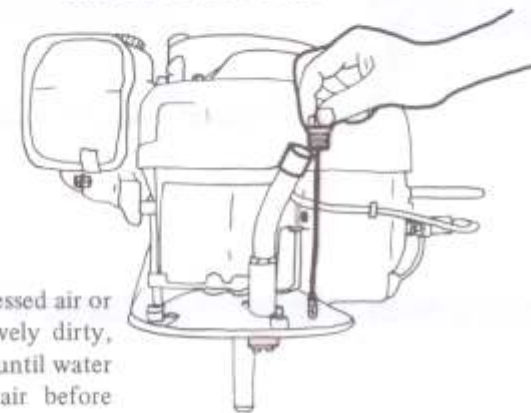
### • CLEAN AIR CLEANER



- ★ Remove dust from paper element "A" by applying compressed air or tapping the case lightly. If the paper element is excessively dirty, replace or wash it in liquid detergent and water and flush until water is clear. Dry it thoroughly by applying compressed air before installing.
- ★ Wash the foam element "B" in liquid detergent and water and flush until water is clear. Dry it thoroughly by applying compressed air. After drying, soak in oil and squeeze out the excess.
- ★ The air cleaner may require maintenance with each use when the engine is used in very dusty areas.

## Every 100 Hrs. operating

### • CHANGE ENGINE OIL



### • CLEAN SPARK PLUG AND CHECK GAP

0.6–0.7mm  
(0.024–0.028 in)



- ★ For replacement, use BM-6A or BMR-6A spark plug (NGK).

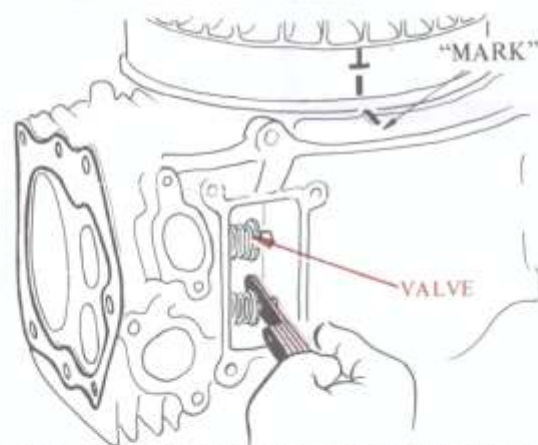
### • CHECK FUEL LINE

- ★ Check fuel line tube and replace it, if necessary.

## ADJUSTMENT

The following adjustments should be performed by your HONDA general purpose engine dealer.

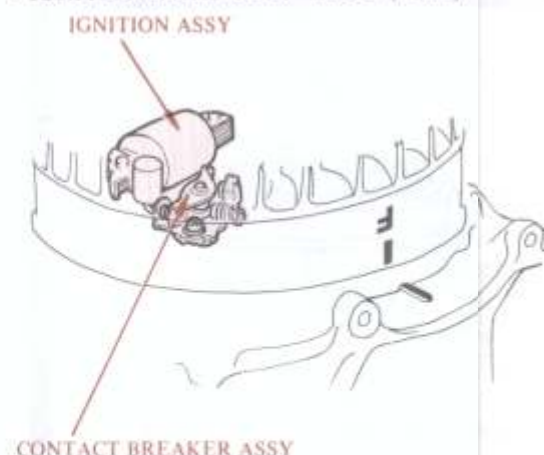
### • ADJUST VALVE CLEARANCE



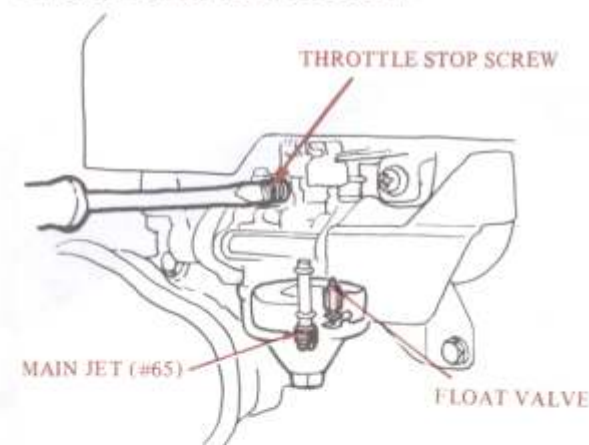
- ★ Measure at TDC on compression when engine is cold.
- ★ STANDARD  
IN: 0.08–0.16mm (.0031–.0063 in)  
EX: 0.16–0.24mm (.0063–.0094 in)
- ★ If the clearance is less than the standard limit, grind valve stem or replace valve.

### • ADJUST IGNITION TIMING

- ★ Adjust contact breaker points so that they just start to open when "F" mark on flywheel aligns with the mark on crankcase.
- ★ IGNITION TIMING: 20° BTDC (fixed)



### • ADJUST CARBURETOR SCREW

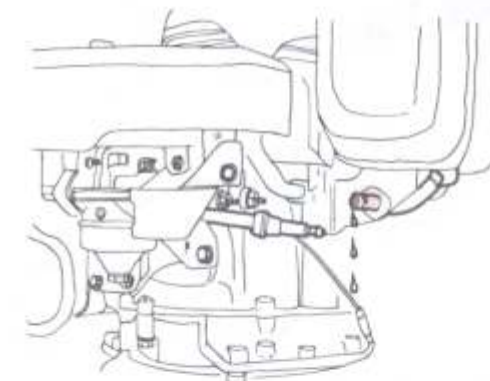


- ★ Start engine, turn throttle stop screw either in or out as necessary until the specified idling rpm is obtained.
- ★ SPECIFIED IDLING RPM: 1,700 rpm (without blade)  
1,400 rpm (with blade)

## BEFORE EXTENDED STORAGE

- Drain gasoline from fuel tank and carburetor, and change engine oil.

**WARNING:** Use caution, gasoline is flammable.



- Pull the starter rope until resistance is felt to prevent dust from coming into engine.
- Store in a dust-free, dry area on a level surface.

### SPECIFICATIONS

Cycle, valve arrangement		4-stroke, side valve
Displacement	cm <sup>3</sup> (cu in)	144 (8.8)
Max. output	HP/rpm	3.5/3,600
Max. torque	kg-cm (ft-lb)	70 (5.1)
Fuel consumption	g/HP h (lb/HP h)	310 (0.68)
Dry weight	kg (lb)	13.6 (30.0)

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**HONDA**  
HONDA MOTOR CO., LTD. TOKYO, JAPAN

## **Current customer service contact information:**

Servicing 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, General Manager, or Owner can help. Almost all problems are solved in this way.

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

If you are dissatisfied with the decision made by the dealership's management, contact the Honda Regional Engine Distributor for your area ([www.honda-engines.com/dea.htm](http://www.honda-engines.com/dea.htm)).

If you are still dissatisfied after speaking with the Regional Engine Distributor, you may contact the Honda Office as shown.

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 - 7:00 pm EST

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

- Equipment manufacturer's name and model number that the engine is mounted on
- Engine model, serial number, and type
- Name of the dealer who sold the engine to you
- Name, address, and contact person of the dealer who services your engine
- Date of purchase
- Your name, address, and telephone number
- A detailed description of the problem