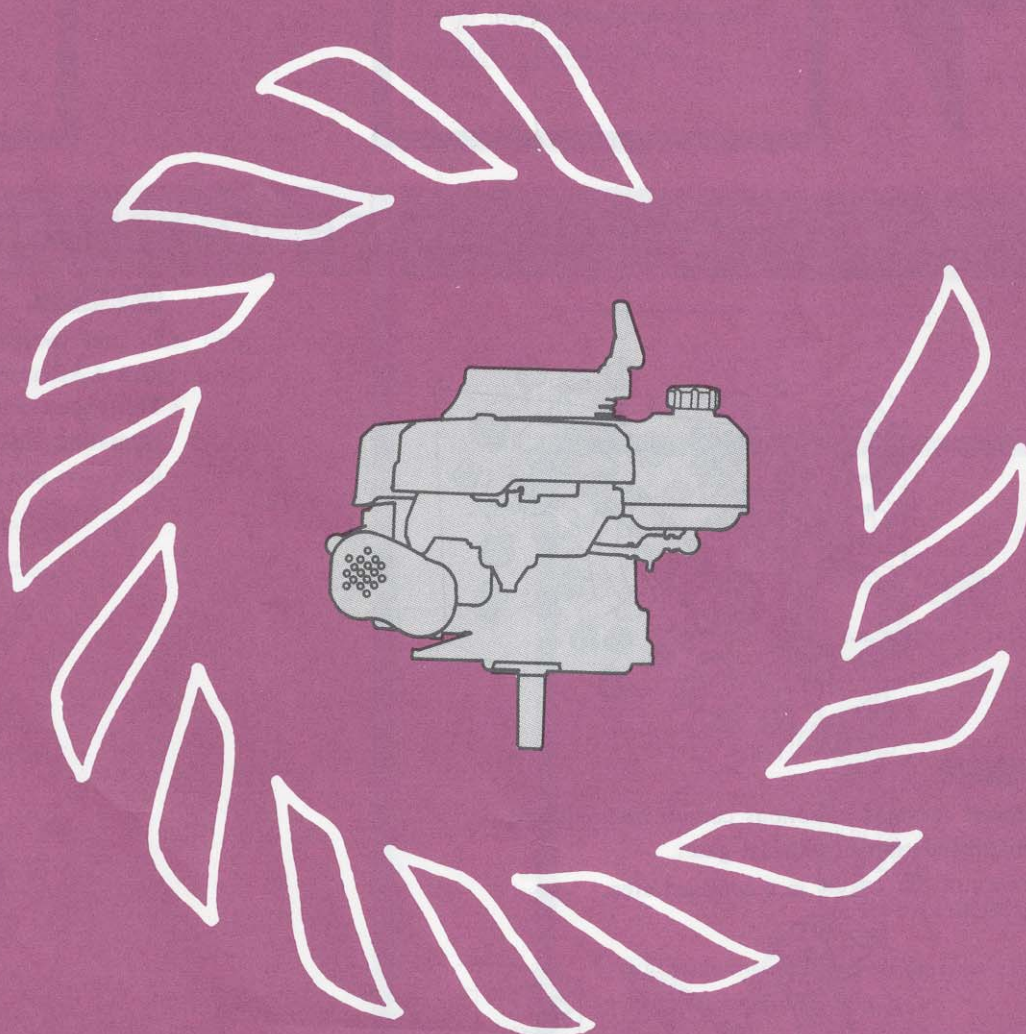


HONDA GV150

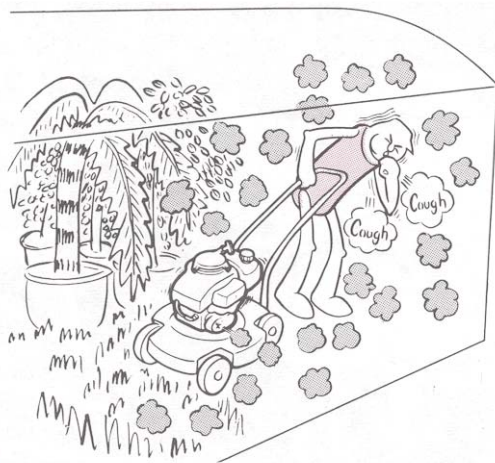
VERTICAL ENGINE



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.

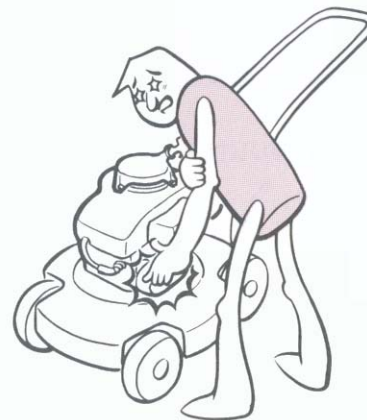


WARNING

- 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.
- 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.

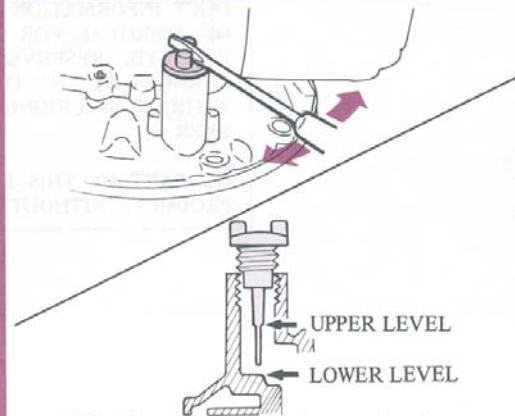


OTHER PRECAUTIONS

- 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.

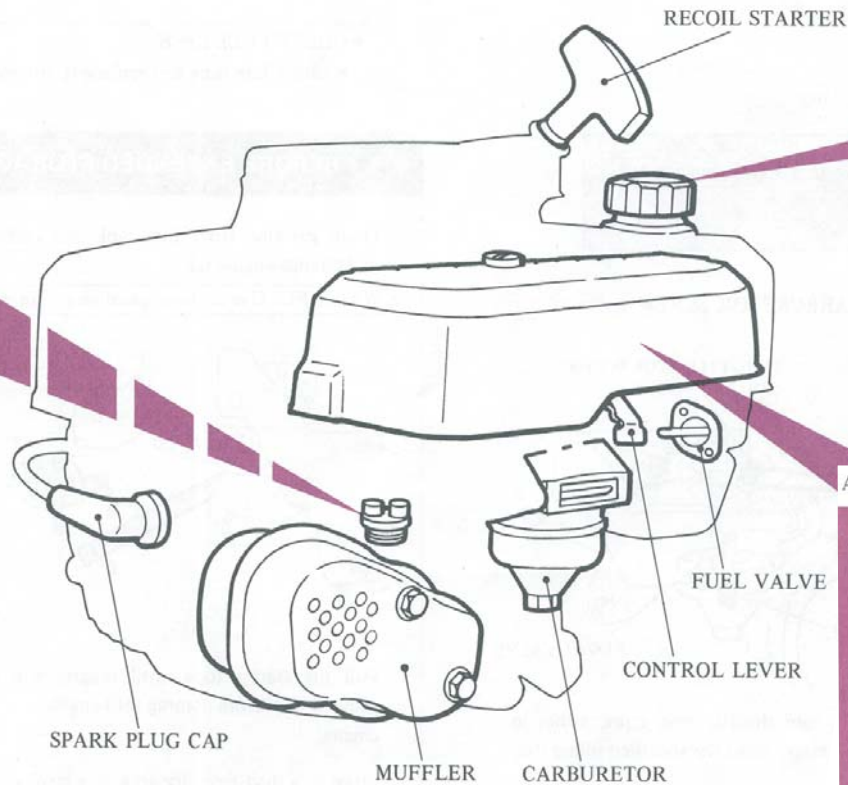
PRE-OPERATION CHECK

OIL FILLER CAP

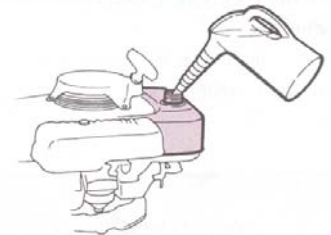


- Fill with engine oil up to the upper level.
- Engine oil capacity: 0.6 lit
(1.3 US pt, 1.1 Imp pt)
- Use SAE 10W-30 or 10W-40 engine oil SE rated.

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



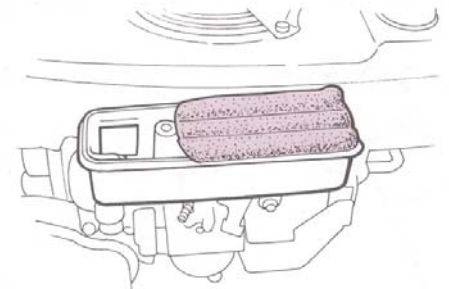
FUEL FILLER CAP



- Fill fuel tank with regular automotive gasoline.
- Tank capacity: 1.0 lit
(0.26 US gal, 0.22 Imp gal)

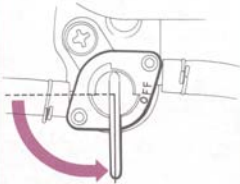
NOTE: Always replace cap securely.

AIR CLEANER



- Check air cleaner element; clean if dirty.

STARTING



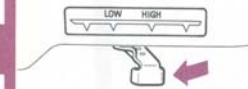
Turn the fuel valve ON.



Move the control lever to CHOKE.



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



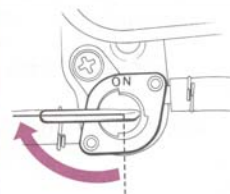
When the engine warms up,
move the control lever between HIGH and LOW.

RUNNING

STOPPING



Move the control lever to STOP.



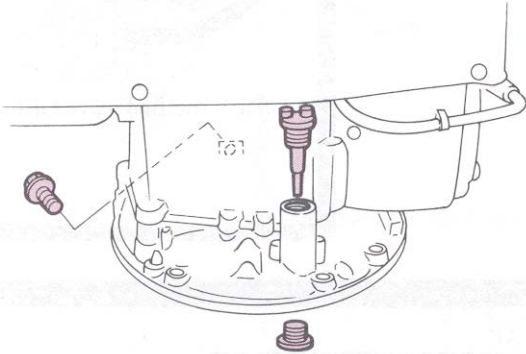
Turn the fuel valve OFF.

MAINTENANCE

WARNING: SHUT THE ENGINE OFF BEFORE PERFORMING ANY MAINTENANCE.

First 20 Hrs. operating

• CHANGE ENGINE OIL

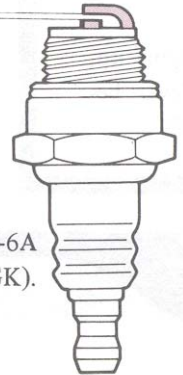


- ★ Engine oil capacity: 0.6 lit (1.3 US pt, 1.1 Imp pt)
- ★ Use SAE 10W-40 engine oil.
- ★ When removing the drain plug, raise the carburetor side up to prevent fuel from spilling.

Every 100 Hrs. operating

• CLEAN SPARK PLUG AND CHECK GAP

0.6 – 0.7mm
(0.024–0.028 in)



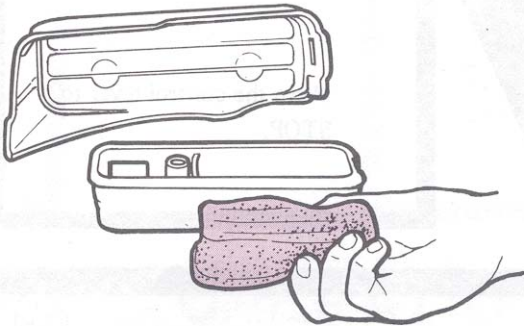
- ★ For replacement, use BM-6A or BMR-6A spark plug (NGK).

• CHECK FUEL LINE

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

Every 20 Hrs. operating

• CLEAN AIR CLEANER

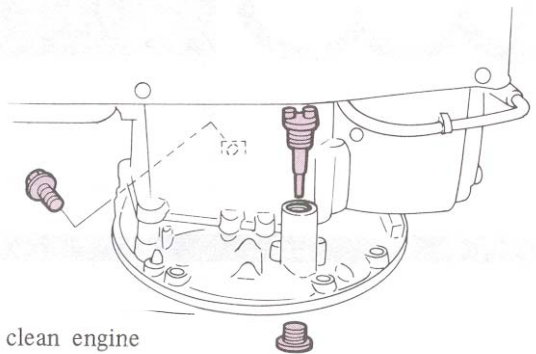


- ★ Wash element in cleaning solvent. After drying, soak in clean engine oil and squeeze out the excess.
- ★ The air cleaner may require daily maintenance, if the engine is used in very dusty area.

WARNING

Do not use gasoline or low flash point solvents for cleaning. They are flammable and explosive under certain conditions.

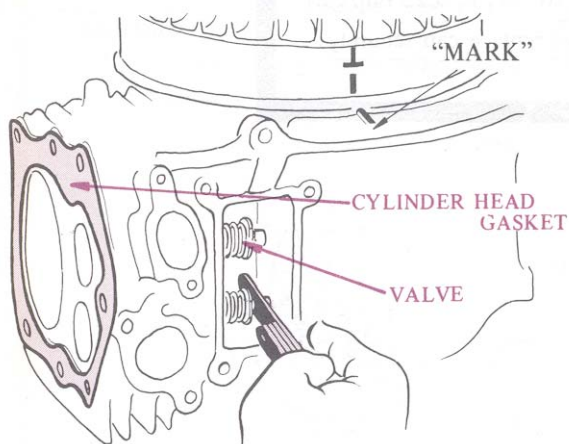
• CHANGE ENGINE OIL



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.

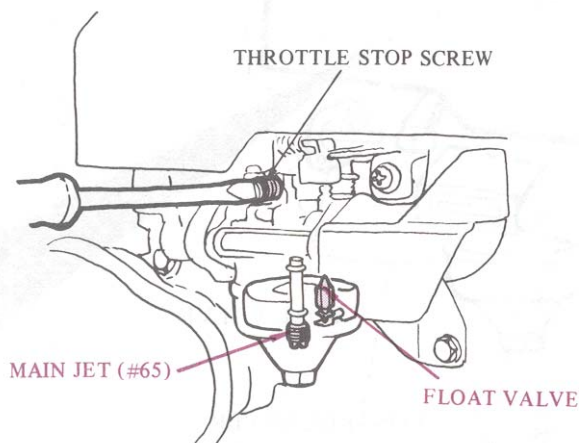
★ STANDARD:

IN: 0.05–0.11mm (.0020–.0043 in)

EX: 0.09–0.15mm (.0035–.0059 in)

★ If the clearance is less than the standard limit, grind valve stem or replace valve.

● ADJUST CARBURETOR SCREW



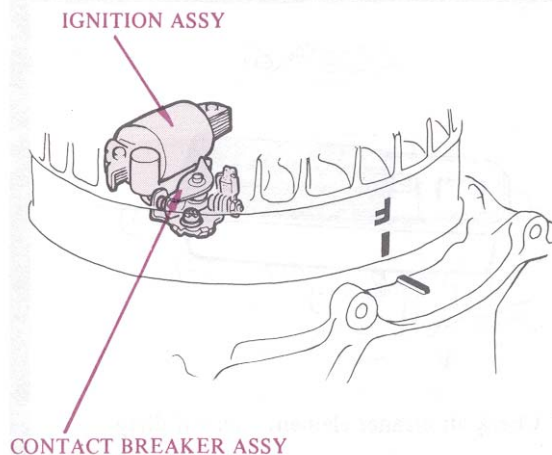
★ Start engine, turn throttle stop screw either in or out as necessary until the specified idling rpm is obtained.

★ SPECIFIED IDLING RPM: 1,700 rpm (without blade)
1,400 rpm (with blade)

● 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.

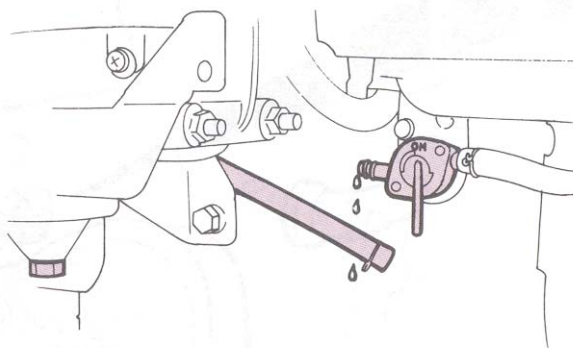
★ IGNITION TIMING: 20° BTDC (fixed)



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	(cu in)	144 (8.8)
Max. output	hp/rpm	3.5/3,600
Max. torque	kg-m (lbs-ft)	0.70 (5.1)
Fuel consumption	g/hp-h (lb/hp-h)	310 (0.68)
*Dry weight	kg (lbs)	13.0 (28.6)
*N ₁ , N ₂ type		

ALL INFORMATION, ILLUSTRATIONS, DIRECTIONS AND SPECIFICATIONS INCLUDED IN THIS PUBLICATION ARE BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF APPROVAL FOR PRINTING. HONDA MOTOR CO., LTD. RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE AND WITHOUT INCURRING ANY OBLIGATION WHATSOEVER.

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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).

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