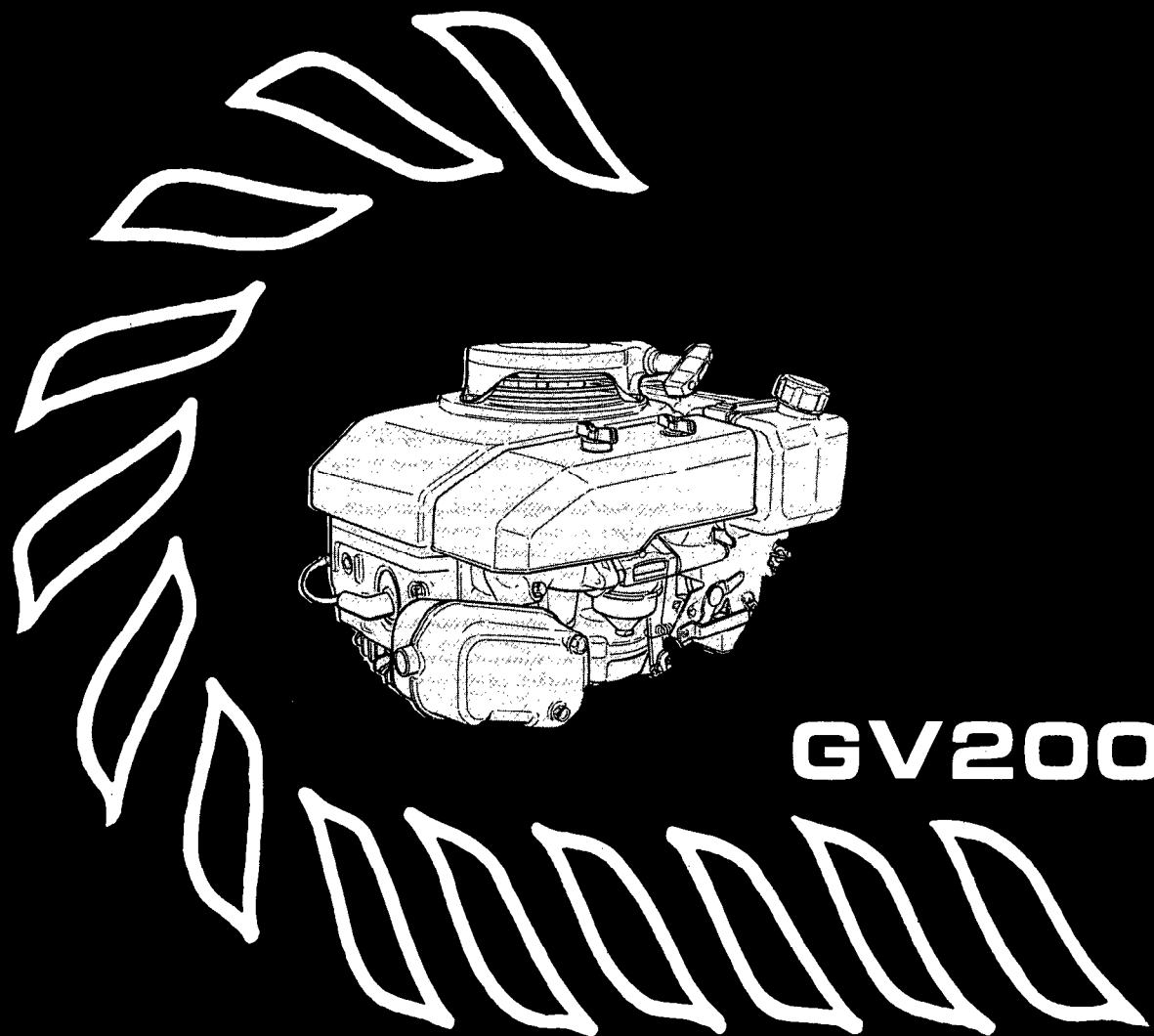


HONDA

VERTICAL ENGINE



GV200

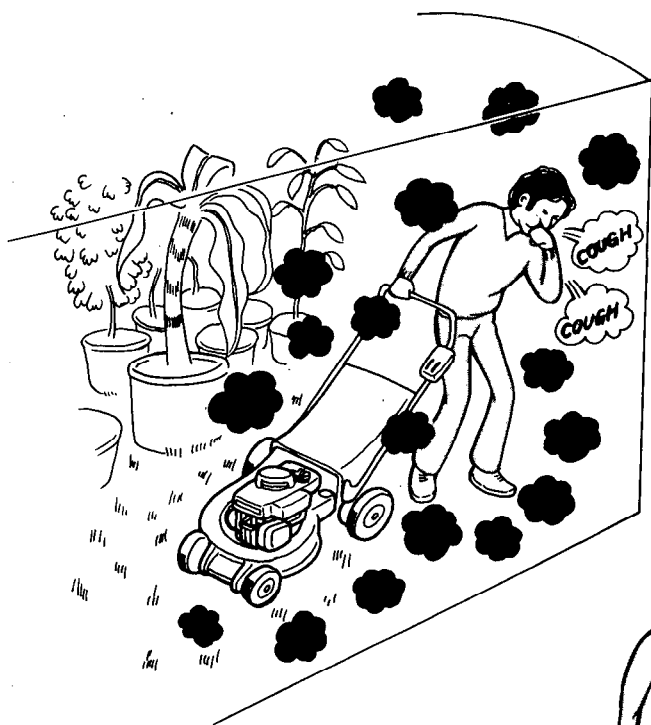
Thank you for purchasing the HONDA GV200 vertical engine. If any trouble should develop with your unit, consult the dealer from whom you purchased it.

OWNER'S MANUAL

FOR SAFE OPERATION

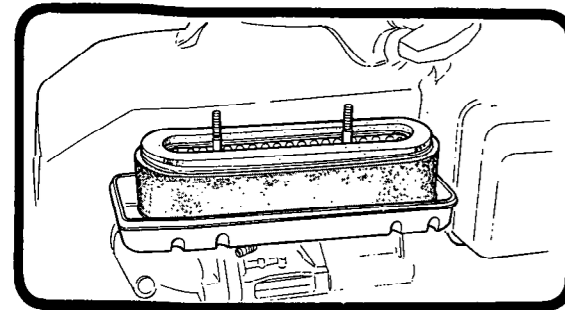
WARNING

- ★ To prevent fire hazards and to provide adequate ventilation, keep the engine at least 3 ft away from buildings and other equipment, during operation.
- ★ Do not place flammable materials, such as gasoline, matches etc., close to the engine while it is running.
- ★ Refuel in a well ventilated area with the engine stopped. Gasoline is flammable and explosive under certain conditions.
- ★ Do not smoke or allow flames or sparks where the engine is refueled or where gasoline is stored.
- ★ Do not overfill the tank. There should be no fuel in the filler neck. Make sure that the filler cap is closed securely.
- ★ If any fuel is spilled, make sure the area is dry before starting the engine.
- ★ Do not incline the engine, when in use, more than 20° in any direction.
- ★ This engine is not equipped with a spark arrester, and operation may be illegal in some areas. Check local laws and regulations before operation.
- ★ Exhaust contains poisonous carbon monoxide gas. Avoid inhalation of exhaust gases. Never run the engine in a closed garage or confined area.



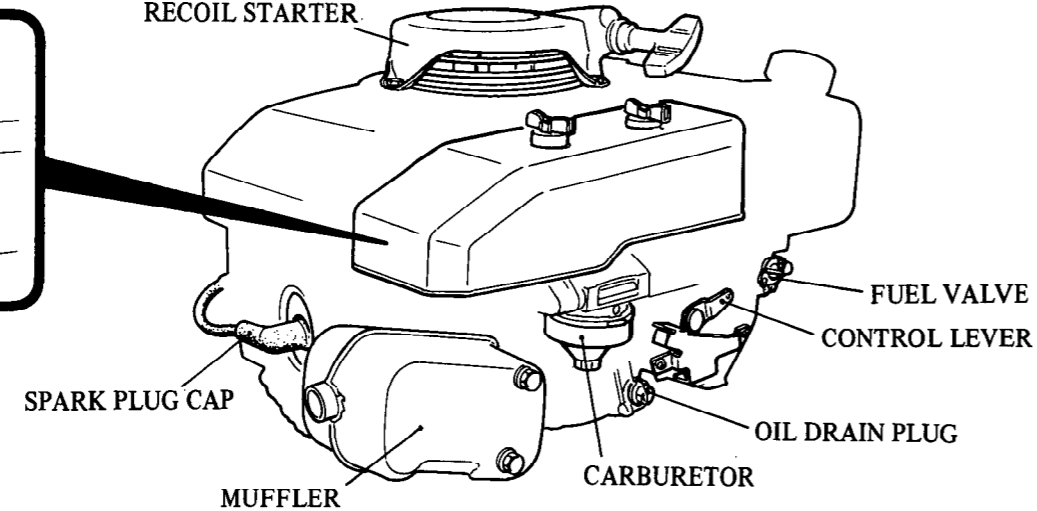
PRE-OPERATION CHECK

AIR CLEANER



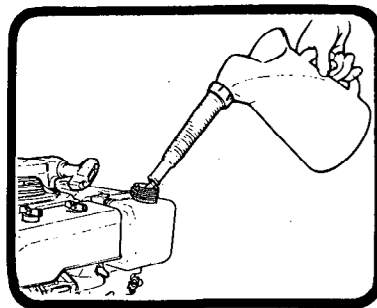
- ★ Check cleaner for dirt or obstruction of the elements.

RECOIL STARTER

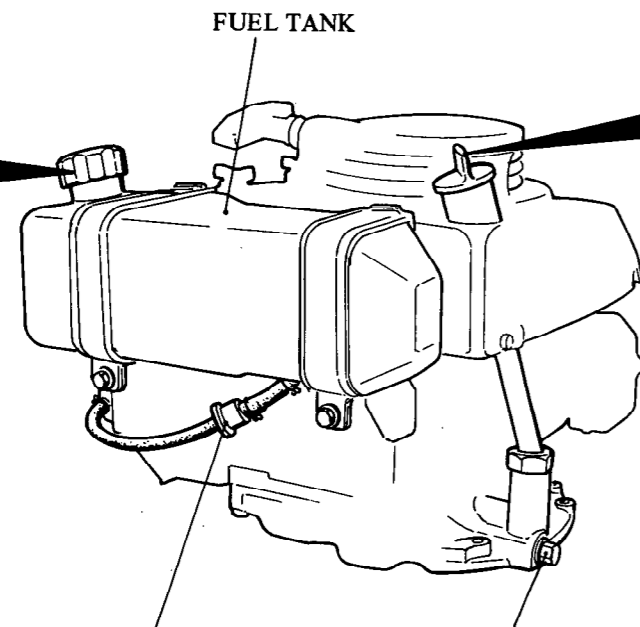


N10 type

FUEL FILLER CAP

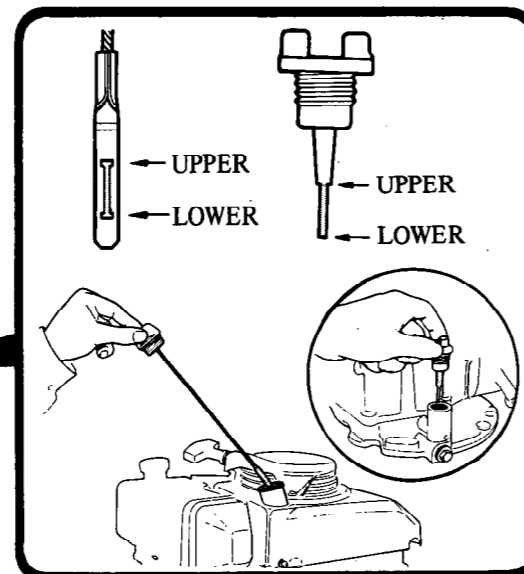


- ★ Fill fuel tank with regular grade automotive gasoline.
- ★ Tank capacity 1.8 l (0.48 US gal, 0.40 Imp gal)
- NOTE: Always replace cap securely.
- CAUTION: Gasoline substitutes, such as gasohol etc., are not recommended, they may be harmful to the fuel system components.

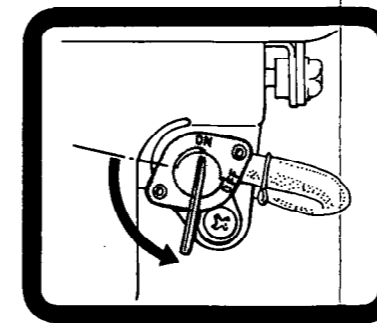
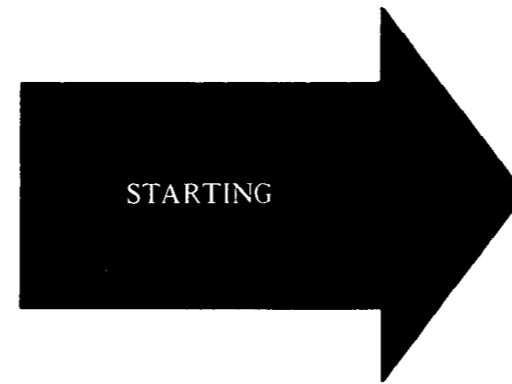


- ★ Check fuel filter for dirt or obstruction.

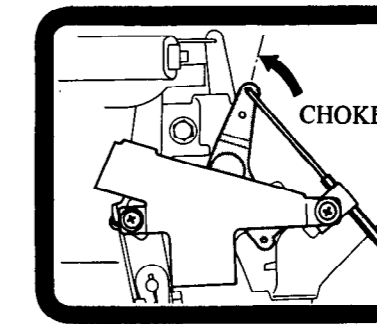
OIL FILLER CAP



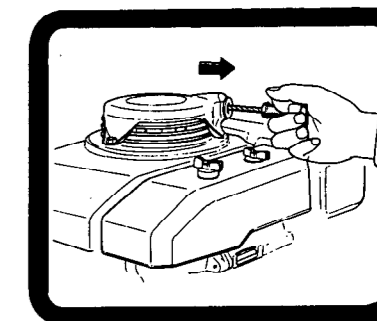
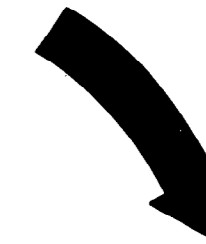
- ★ Fill with engine oil up to the upper level of the oil level gauge.
- ★ Engine oil capacity: 0.7 l (1.48 US pt, 1.23 Imp pt)
- ★ Use SE rated SAE 10W-40 engine oil.
- NOTE: Use a screwdriver when opening or closing the filler cap.



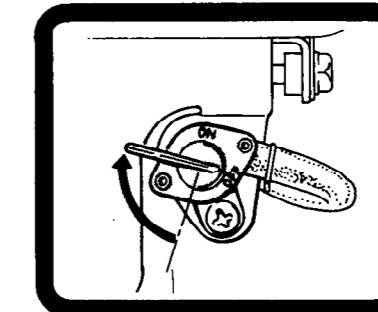
- ★ Turn the fuel valve ON.



- ★ Move the control lever to CHOKE.
- NOTE: Do not use CHOKE if the engine is warm or in warm weather.



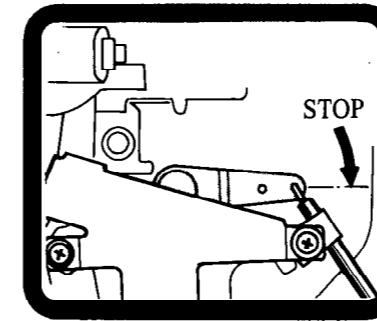
- ★ Pull the recoil starter briskly.
- NOTE: Allow it to return slowly.



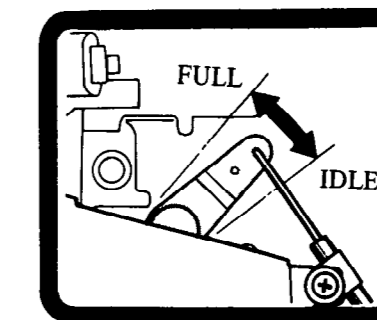
- ★ Turn the fuel valve OFF.

NOTE:

- ★ To store engine, turn fuel valve OFF and run engine until it stops.



- ★ Move the control lever to STOP.



- ★ When the engine warms up, adjust the control lever for the desired rpm.

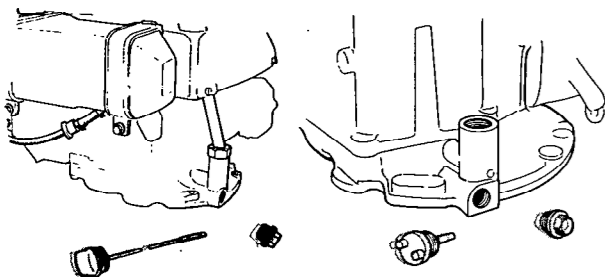


MAINTENANCE

⚠ WARNING : SHUT THE ENGINE OFF BEFORE PERFORMING ANY MAINTENANCE.

First 20 operating Hrs.

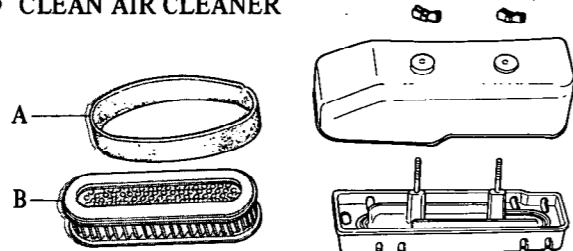
• CHANGE ENGINE OIL



- ★ Engine oil capacity: 0.71 (1.48 US pt, 1.23 Imp pt)
- ★ Use SE rated SAE 10W-40 engine oil.
- ★ Remove the oil drain plug and filler cap and tip engine toward the drain hole for complete draining.

Every 20 operating Hrs.

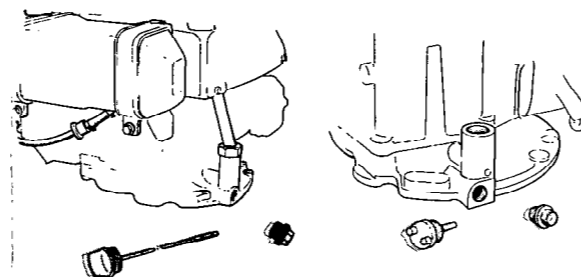
• CLEAN AIR CLEANER



- ★ Wash the foam element "A" 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.
- ★ Remove dust from paper element "B" by applying compressed air from inside of the element 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.
- ★ The air cleaner may require maintenance after each use when the engine is used in very dusty areas.

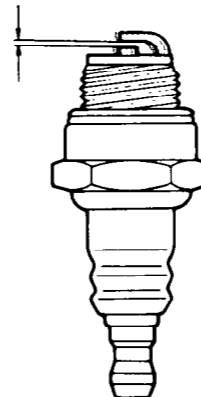
Every 100 operating Hrs.

• CHANGE ENGINE OIL



• CLEAN SPARK PLUG AND CHECK GAP

Breaker type	CDI type
0.6 - 0.7 mm (0.024 - 0.027 in)	0.9 - 1.0 mm (0.035 - 0.039 in)
★ For replacement, use BMR-6A (NGK) or W20MR-U (ND) spark plug.	★ BPMR-6A (NGK) or W20MPR-U10 (ND)



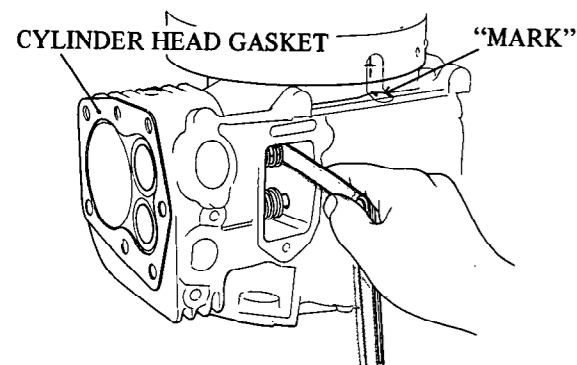
• CHECK FUEL LINE

- ★ Check the fuel line for cracks or leaks and replace it if necessary.

ADJUSTMENT

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

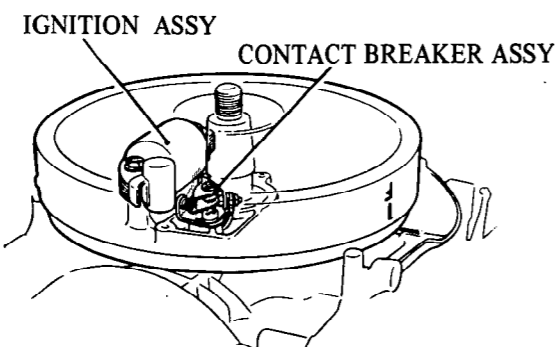
• CHECK VALVE CLEARANCE



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

• ADJUST IGNITION TIMING

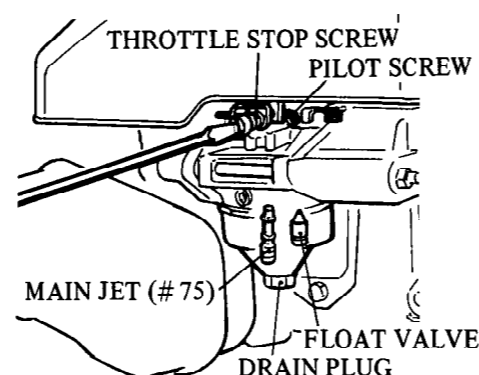
- ★ Adjust contact breaker points so that they just start to open when F mark on flywheel aligns with the mark on cylinder barrel.
- ★ IGNITION TIMING: 20° BTDC (fixed)



NOTE:

- ★ Units equipped with CDI do not require timing adjustment.

• ADJUST CARBURETOR SCREW



★ Idle Speed

- (1) Start the engine and run at idle until a normal operating temperature is obtained.
- (2) Turn the throttle stop screw in or out as necessary until the specified idle speed is obtained. Specified idle speed: 1,700 rpm

★ Pilot Screw

If the pilot screw setting needs adjustment:

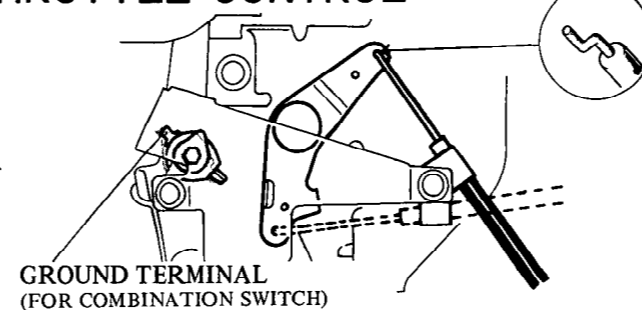
- (1) Tighten the pilot screw until it bottoms lightly, then back it off 1 1/4 turns.
- (2) Readjust to the specified idle speed using the throttle stop screw.

BEFORE EXTENDED STORING

- ★ Drain gasoline from fuel tank and carburetor, and change the engine oil.
⚠ WARNING Use caution; gasoline is flammable. Drain fuel when engine is cold.
- ★ 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.

INSTALLATION

THROTTLE CONTROL



GROUND TERMINAL
(FOR COMBINATION SWITCH)

- ★ A throttle control cable may be attached for either of the two pull directions shown.
- ★ When connecting the control cable, select either hole to get correct stroke of the cable.

SPECIFICATIONS

	N10 type	
Cycle, valve arrangement	4-Stroke, side valve	
Displacement	cm ³ (cu in)	197 (12.0)
Max. output	HP/rpm	5.0/3,600
Max. torque	kg-cm (ft-lb)	105 (7.6)
Fuel consumption	g/HP h (lb/HP h)	300 (0.66)
Dry weight	kg (lb)	17.0 (37.5)

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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).

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