



REGULAR SERVICE PERIOD (1) Perform at every indicated month or operating hour interval, whichever comes first.		Each use	First month or 20 hrs.	Every 3 months or 50 hrs.	Every 6 months or 100 hrs.	Every year or 300 hrs.
Engine oil	A B	Check level Change	●	●	●	
Air cleaner	C D	Check Clean Replace	●	● (2)		● (3)
Sediment cup	E	Clean			●	
Spark plug	F	Check-adjust Replace			●	●
Spark arrester (applicable types)	G	Clean			● (5)	
Idle speed	H	Check-adjust				● (4)
Valve clearance	I J K	Check-adjust				● (4)
Combustion chamber	L	Clean			After every 500 hrs. (4)	
Fuel tank and filter	M	Clean			● (4)	
Fuel tube	N	Check				Every 2 years (Replace if necessary) (4)

- (1) For commercial use, log hours of operation to determine proper maintenance intervals.
- (2) Service more frequently when used in dusty areas.
- (3) Replace paper element type only.
- (4) These items should be serviced by your servicing dealer, unless you have the proper tools and are mechanically proficient. Refer to Honda shop manual for servicing procedures.
- (5) In Europe and other countries where the machinery directive 2006/42/EC is enforced, this cleaning should be done by your servicing dealer.

A OIL FILLER CAP/DIPSTICK

UPPER LIMIT

OIL DRAIN BOLT

B SAE Viscosity Grades

Recommended oil: SAE 10W-30
API service category: SE or later
Engine oil capacity: 1.1 l (1.2 US qt)

C FOAM ELEMENT

NONFLAMMABLE SOLVENT

ENGINE OIL

SQUEEZE THOROUGHLY

Excess oil will restrict air flow through the foam element and may transfer to the paper element, soaking and clogging it.

D <CYCLONE TYPE> <100 db TYPE> <SILENT TYPE>

PAPER ELEMENT

FOAM ELEMENT

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PAPER ELEMENT

Paper element: Tap the element lightly several times on a hard surface to remove dirt, or blow compressed air (not exceeding 207 kPa, 2.1 kgf/cm², 30 psi) through the element from the inside. Never try to brush off dirt; brushing will force dirt into the paper fibers.

E

Loosen the drain screw to drain the carburetor thoroughly before removal.

OFF

O-RING

SEDIMENT CUP

F

Standard spark plug:
BP6ES, BPR6ES (NGK)
W20EP-U, W20EPR-U (DENSO)

0.6 - 0.7 mm

G SPARK ARRESTER

SPARK ARRESTER SCREEN

WIRE BRUSH

Clean the carbon deposits from the spark arrester screen with a wire brush. Be careful not to damage the spark arrester screen.

H

Specified idle speed:
1,400 ± 150 rpm

THROTTLE STOP SCREW

- On some applications the engine speed is fixed and does not idle.
- The standard idle speed may be different depending on the application. Refer to the equipment manufacturer's instructions for specific idle speed setting.

I

TOP HOLE

ALIGN

TRIANGLE MARK

Set the piston at top dead center of the compression stroke (both valves fully closed).

J FEELER GAUGE

Valve clearance: **0.15 mm ± 0.02 mm (IN)**
0.20 mm ± 0.02 mm (EX)

K

ROCKER ARM

ROCKER ARM PIVOT

VALVE

ROCKER ARM PIVOT LOCK NUT

- To increase valve clearance, screw out.
- To decrease valve clearance, screw in.

L

WIRE BRUSH

Remove any carbon deposits from the combustion chamber using a soft wire brush.

M

- Clean the fuel tank with nonflammable solvent and allow the fuel tank to dry thoroughly.
- Clean the filter with nonflammable solvent. Inspect the fuel filter to be sure it is undamaged.

O-RING

FUEL FILTER

FUEL FILTER JOINT NUT

N

FUEL TUBE

Check the fuel tubes for deterioration, cracks, and other damage. Replace fuel tube(s) if necessary.