



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 200 hrs.
Engine oil	A B C	Check level Change	●	●	●	
Air cleaner	D E	Check	●			
		Clean Replace		● (2)		● (2)
Spark plug	F	Check-adjust Replace			●	●
Timing belt	G	Check	After every 300 hrs. (3) (4)			
Spark arrester (applicable types)	H	Clean			● (5)	
Idle speed	I	Check-adjust				● (4)
Combustion chamber	J	Clean	After every 300 hrs. (4)			
Valve clearance	K L	Check-adjust				● (4)
Fuel tank and filter	M N	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) Check that there are no cracks or abnormal wear in the belt, and replace if it is abnormal.  
 (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.

**G**

TIMING BELT

Check that the belt is not worn or cracked, and do not bend or twist the belt.

**H**

SPARK ARRESTER SCREEN  
 SPARK ARRESTER (OPTIONAL PART)  
 WIRE BRUSH  
 MUFFLER PROTECTOR

**I**

THROTTLE STOP SCREW

Standard idle speed:  
 $1,550 \pm 150$  rpm

The standard idle speed may be different depending on the application. Refer to the equipment manufacturer's instructions for specific idle speed setting.

**J**

CLEANING BRUSH  
 ELECTRIC DRILL

Use thick paper or equivalent to protect the cylinder.

- Do not use excessive force to remove carbon from the aluminum head.
- Do not allow the cleaning brush to contact the cylinder wall.

**A**

OIL FILLER CAP/ DIPSTICK  
 UPPER LIMIT  
 LOWER LIMIT

Insert the dipstick in the oil filter neck, but do not screw it in. Remove the dipstick and check the oil level.

**B**

SEALING WASHER  
 OIL DRAIN BOLT  
 CONTAINER

Drain the used engine oil while the engine is warm. Warm oil drains quickly and completely.

**C**

SAE Viscosity Grades

API service category: SF or later  
 Engine oil capacity: 0.40 l

**K**

CUTOUT TOP HOLE FAN COVER  
 ALIGNMENT MARK FLYWHEEL

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

**L**

VALVE ADJUSTING WRENCH, 3 mm  
 VALVE ADJUSTING SCREW  
 FEELER GAUGE  
 VALVE ADJUSTING LOCK NUT

Valve clearance:  $0.15 \text{ mm} \pm 0.04 \text{ mm}$  (IN)  
 $0.20 \text{ mm} \pm 0.04 \text{ mm}$  (EX)

**D**

FOAM ELEMENT  
 WASH  
 DRY

Clean in nonflammable solvent or warm soapy water.  
 Do not put oil on the foam element.

**E**

PAPER ELEMENT

Tap the element several times on a hard surface to remove dirt, or blow compressed air (not exceeding 207 kPa <math>\lt; 2.1 \text{ kgf/cm}^2, 30 \text{ psi}>>) through the element from the clean side that faces the engine.

**F**

0.6 - 0.7 mm  
 SIDE ELECTRODE

Measure the plug gap with a wire-type feeler gauge. If the measurement is out of specification, adjust by bending the side electrode.  
 Recommended spark plug: CR5HSB (NGK)  
 U16FSR-UB (DENSO)

**M**

VALVE ADJUSTING SCREW  
 VALVE STEM

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

**N**

FUEL TANK  
 FUEL FILTER  
 FUEL TUBE

Clean the fuel tank with nonflammable solvent, and allow the fuel tank to dry thoroughly.  
 Clean the filter with nonflammable solvent, and check to be sure the filter screen is undamaged.  
 Check the fuel tube for deterioration, cracks, or signs of leakage.