



REGULAR SERVICE PERIOD (3)	Each Use	First Month or 20 Hrs	Every 6 Months or 100 Hrs	Every Year or 300 Hrs	Every 2 Years or 500 Hrs
Perform at every indicated month or operating hour interval, whichever comes first.					
Engine oil A B	Check level Change	●	●		
Engine oil filter C	Replace		●	●	
Air cleaner	Check	●			
	D Clean Replace		● (1)		● (*)
Spark plug E	Check-adjust		●		
	Replace			●	
Spark arrester (applicable types) F	Clean		● (4)		
Idle speed G	Check-adjust			● (2)	
Valve clearance H I J	Check-adjust			● (2)	
Combustion chamber	Clean				After every 1000 Hrs. (2)
Fuel filter K	Replace			● (2)	
Fuel tube L	Check				Every 2 years (Replace if necessary) (2)

(*) Replace the paper filter element type only.

(1) Service more frequently when used in dusty areas.

(2) These items should be serviced by your Honda servicing dealer, unless you have the proper tools and mechanically proficient. Refer to the Honda shop manual for service procedures.

(3) For commercial use, log hours of operation to determine proper maintenance intervals.

(4) In Europe and other countries where the machinery directive 2006/42/EC is enforced, this service should be done by your servicing dealer.

A OIL FILLER CAP

Oil Level Check: Start the engine and let it idle for 1 or 2 minutes. Stop the engine and wait for 2 or 3 minutes. Remove the oil level dipstick and wipe it clean. Fully insert the oil level dipstick, then remove it to check the oil level. If the oil level is low, remove the oil filler cap, and fill with the recommended oil to the upper limit mark on the oil level dipstick.

Oil Change: Drain the used oil when the engine is warm. Warm oil drains quickly and completely. With the engine in a level position, fill with the recommended oil to the upper limit mark on the oil level dipstick.

Labels: OIL LEVEL DIPSTICK, UPPER LIMIT, LOWER LIMIT, SEALING WASHER (REPLACE), DRAIN BOLT, OIL FILTER, OIL FILTER SOCKET, CONTAINER

B SAE VISCOSITY GRADES

Recommended oil: SAE 10W-30 or 5W-30
API Service Classification: SJ or later

C

Oil filter tightening torque: **12 N•m (1.2 kgf•m)**
Without oil filter replacement: **1.5 ℓ (1.59 US qt)**
With oil filter replacement: **1.7 ℓ (1.80 US qt)**

D

<PAPER FILTER ELEMENT>
Tap the filter element 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 filter element from the air cleaner case side.

<FOAM FILTER ELEMENT>
Soak → Squeeze → Dry
Oil → Squeeze

Clean in warm soapy water, rinse, and allow to dry thoroughly. Or clean in non-flammable solvent and allow to dry. Dip the filter element in clean engine oil, then squeeze out all excess oil.

E

SIDE ELECTRODE
0.7 - 0.8 mm (0.028 - 0.031 in)
Measure the spark plug electrode gaps with a wire-type feeler gauge. Correct the gap, if necessary, by carefully bending the side electrode.

Standard spark plug: ZFR5F (NGK)

F

MUFFLER, MUFFLER PROTECTOR, SPECIAL SCREW, SPARK ARRESTER, 6 mm FLANGE BOLT (4) TYPE, SIDE-MOUNT MUFFLER TYPE

Replace the spark arrester if it is damaged.

G

PAN SCREW

Idle speed: **1,400 ± 150 rpm**

- 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.

H

ALIGNMENT MARK ON THE FAN COVER (RIGHT SIDE)

FLYWHEEL, "T" MARK

Set the piston of the No.1 cylinder at the top dead center of the cylinder compression stroke (both valves fully closed) by rotating the flywheel clockwise slowly.

I TAPPET ADJUSTING WRENCH 3 mm 07708-0030400

TAPPET ADJUSTING SCREW, TAPPET ADJUSTING NUT

TAPPET ADJUSTING NUT

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

Valve clearance: **0.08 mm ± 0.02 mm (IN)**
0.10 mm ± 0.02 mm (EX)

J ALIGNMENT MARK ON THE FAN COVER (LEFT SIDE)

FLYWHEEL, "T" MARK, 270°

Set the piston of the No.2 cylinder at the top dead center of the cylinder compression stroke (both valves fully closed) by rotating the flywheel 270 degrees clockwise slowly.

K

CLAMP, FUEL TUBE, FUEL FILTER

Install the commercially available tube clamps on the fuel tubes on both sides of the fuel filter. Disconnect the fuel tube from the fuel filter to remove the fuel filter. Install a new fuel filter with the arrow mark toward the carburetor side. Check the connecting parts for any sign of fuel leakage.

L FUEL TUBE

Check the fuel tube for deterioration, cracks or signs of leakage. If necessary, replace it.