



REGULAR SERVICE PERIOD (1) Perform at every indicated month or operating hour interval, whichever comes first.		Each use	First month or 5 hrs.	Every 3 months or 25 hrs.	Every 6 months or 50 hrs.	Every year or 100 hrs.	Every 2 years or 250 hrs.
ITEM							
Engine oil	A B C	●	●	● (2)			
Air cleaner	D	●		● (3)			
	E						●
Timing belt	E		After every 250 hrs. (4) (5)				
Flywheel brake pad (applicable types)	F				●		
Spark plug	G					●	
							●
Spark arrester (applicable types)	H					● (*)	
Idle speed	I					● (5)	
Valve clearance	J K					● (5)	
Combustion chamber	L		After every 250 hrs. (5)				
Fuel tank and filter	M N					● (5)	
Fuel tube	N		Every 2 years (Replace if necessary) (5)				

- (1) For commercial use, log hours of operation to determine proper maintenance intervals.
 (2) Change engine oil every 25 hours when used under heavy load or in high ambient temperature.
 (3) Service more frequently when used in dusty areas. (4) Check that there are no cracks or abnormal wear in the belt, and replace it if necessary.
 (5) 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.
 (*) In Europe and other countries where the machinery directive 2006/42/EC is enforced, this cleaning should be done by your servicing dealer.

G GAP: 0.7 - 0.8 mm

Measure the plug gap with a wire-type feeler gauge. If necessary, adjust the gap by bending the side electrode.

Standard spark plug:
 BPR6ES (NGK) (Pressure washer applications)
 BPR5ES (NGK) (All other applications)

H SPARK ARRESTER (OPTIONAL PART)

I

Standard idle speed
 1,700 ± 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.

J ALIGNMENT MARKS

CAM PULLEY

CYLINDER HEAD COVER MATING SURFACE

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

A OIL FILLER CAP/DIPSTICK

UPPER LIMIT

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

Remove the oil filler cap. Tilt the engine toward the oil filler cap side and drain the used oil into a suitable container.

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: 0.55 l

K VALVE ADJUSTING WRENCH B

VALVE ADJUSTING LOCK NUT

FEELER GAUGE

VALVE ADJUSTING SCREW

Valve clearance: 0.15 mm ± 0.04 mm (IN)
 0.20 mm ± 0.04 mm (EX)

L 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.

D AIR CLEANER ELEMENT

Tap the 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 element from the clean side that faces the engine.

E TIMING BELT

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

F

FLYWHEEL BRAKE SHOE (applicable types)

M

FUEL TANK

FUEL FILTER

Wash with nonflammable solvent to remove the sediment, and dry thoroughly before installing.

Remove dust and foreign material from the filter in the fuel tank, and check the filter for tears.

N

FUEL TUBE

FUEL VALVE

FUEL TUBE

Check the fuel lines for deterioration, cracks, or signs of leakage.