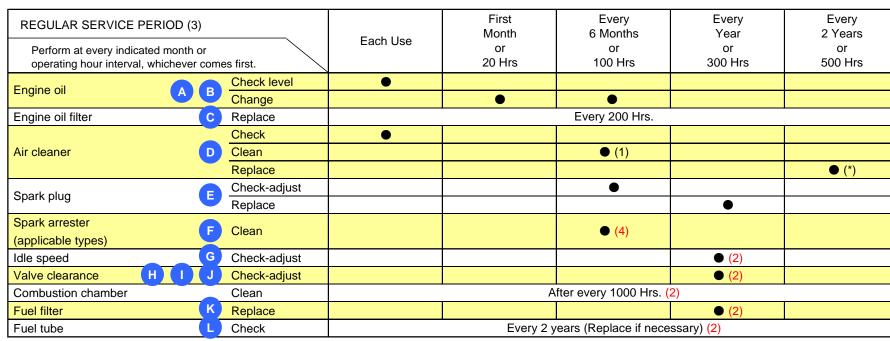
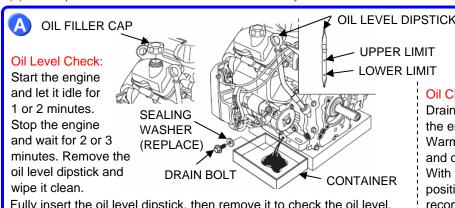
## HONDA ENGINES

## GX630 - GX660 - GX690 Maintenance Information





- (\*) 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.

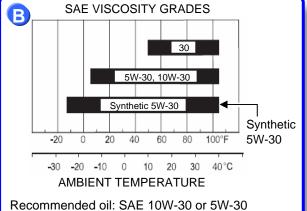


Fully insert the oil level dipstick, then remove it to check the oil level. If the oil level is low, remove the oil filler cap, and fill with the recommended oil to the upper limit mark on the oil level dipstick.

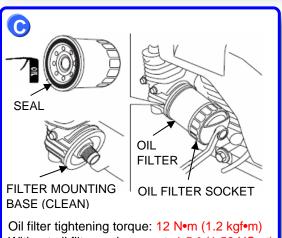
## Oil Change: Drain the used oil when the engine is warm. Warm oil drains quickly and completely. With the engine in a level position, fill with the recommended oil to the

upper limit mark on the

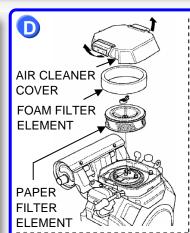
oil level dipstick.



API Service Classification: SJ or later



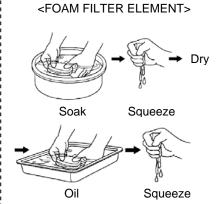
Oil filter tightening torque: 12 N•m (1.2 kgf•m) Without oil filter replacement: 1.5 l (1.59 US qt) With oil filter replacement: 1.7 l (1.80 US qt)



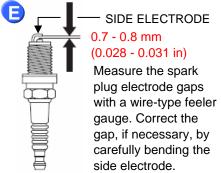
## <PAPER FILTER ELEMENT>

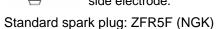


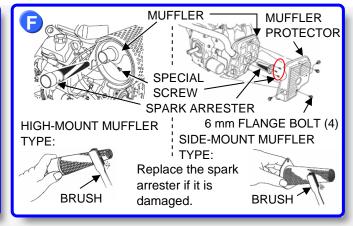
Tap the filter element several times on a hard surface to remove dirt, or blow compressed air (not exceeding 207 kPa <2.1 kgf/cm², 30 psi>) through the filter element from the air cleaner case side.

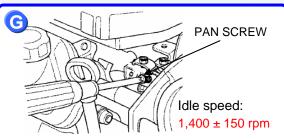


Clean in warm soapy water, rinse, and allow to dry thoroughly. Or clean in non-flammable solvent and allow to dry. Dip the filter element in clean engine oil, then squeeze out all excess oil.



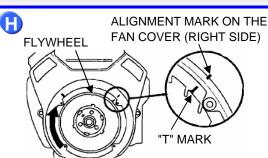




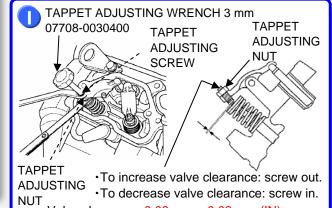


- On some applications the engine speed is fixed and does not idle.
- •The standard idle speed may be different depending on the application.

  Refer to the equipment manufacturer's instructions for specific idle speed setting.

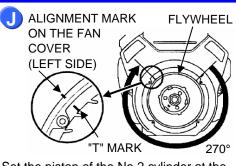


Set the piston of the No.1 cylinder at the top dead center of the cylinder compression stroke (both valves fully closed) by rotating the flywheel clockwise slowly.

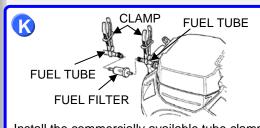


Valve clearance: 0.08 mm ± 0.02 mm (IN)

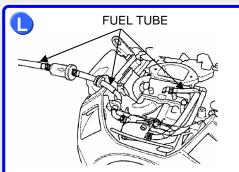
 $0.10 \text{ mm} \pm 0.02 \text{ mm} (EX)$ 



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.



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.



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

If necessary, replace it.