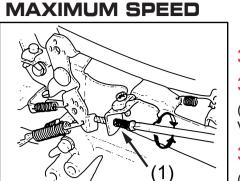


# GX630/650/690

GOVERNOR Start the engine and allow it to warm up to normal operating temperature.



MAXIMUM SPEED  $3.850 \pm 150 \text{ min}_{-1} \text{ (rpm)}$  $1.150 \pm 150 \text{ min}_{-1} \text{ (rpm)}$ GX630R QYD, VEP4, GX660R XF types only)

 $1.200 \pm 150 \text{ min}_{-1} \text{ (rpm)}$ (GX630R VXD8, VXE1, GX660R VXE1, GX690R VXE types only)

Turn the pan screw (1) of the control to obtain the specified maximum speed.

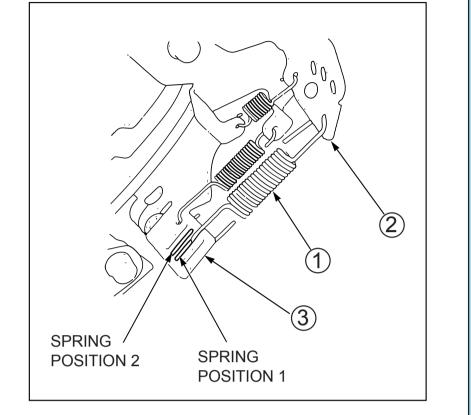
# **IDLE SPEED** IDLE SPEED $1,400 \pm 150 \text{min}_{-1} \text{(rpm)}$

Turn the pan screw (2) of the control to obtain the specified idle speed.

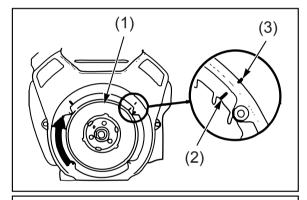
#### **GOVERNOR SPRING** INSTALLATION

Hook the governor spring (1) to the throttle lever ② of the control. Refer to the table below to confirm the governor spring position on the governor

Model	Туре	Spring position
GX630	All types	1
GX630R	Except QYD, VEP4, VXD8, VXE1, VXF	1
	QYD, VEP4, VXD8, VXE1, VXF	2
GX660	All types	1
GX660R	Except VXE1	1
	VXE1	2
GX690	All types	1
GX690R	Except VXE1	1
	VXE1	2



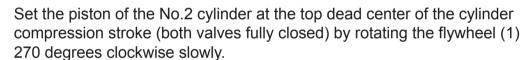
#### **VALVE CLEARANCE**



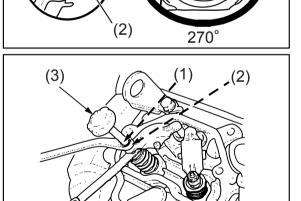
Set the piston of the No.1 cylinder at the top dead center of the cylinder compression stroke (both valves fully closed) by rotating the flywheel (1) clockwise slowly.

When the No.1 piston is at the top dead center of the compression stroke, the "T" mark (2) on the cooling fan will align with the right side alignment mark (3) on the fan cover.

If the exhaust valve is opened, rotate the flywheel and align the "T" mark on the cooling fan with the alignment mark on the fan cover again.



When the No.2 piston is at the top dead center of the compression stroke, the "T" mark (2) on the cooling fan will align with the left side alignment mark (3) on the fan cover.



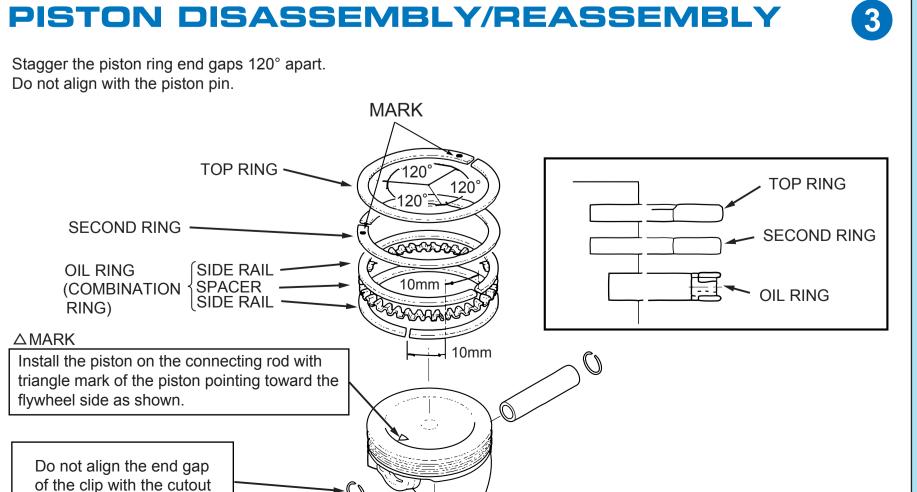
in the piston pin bore.

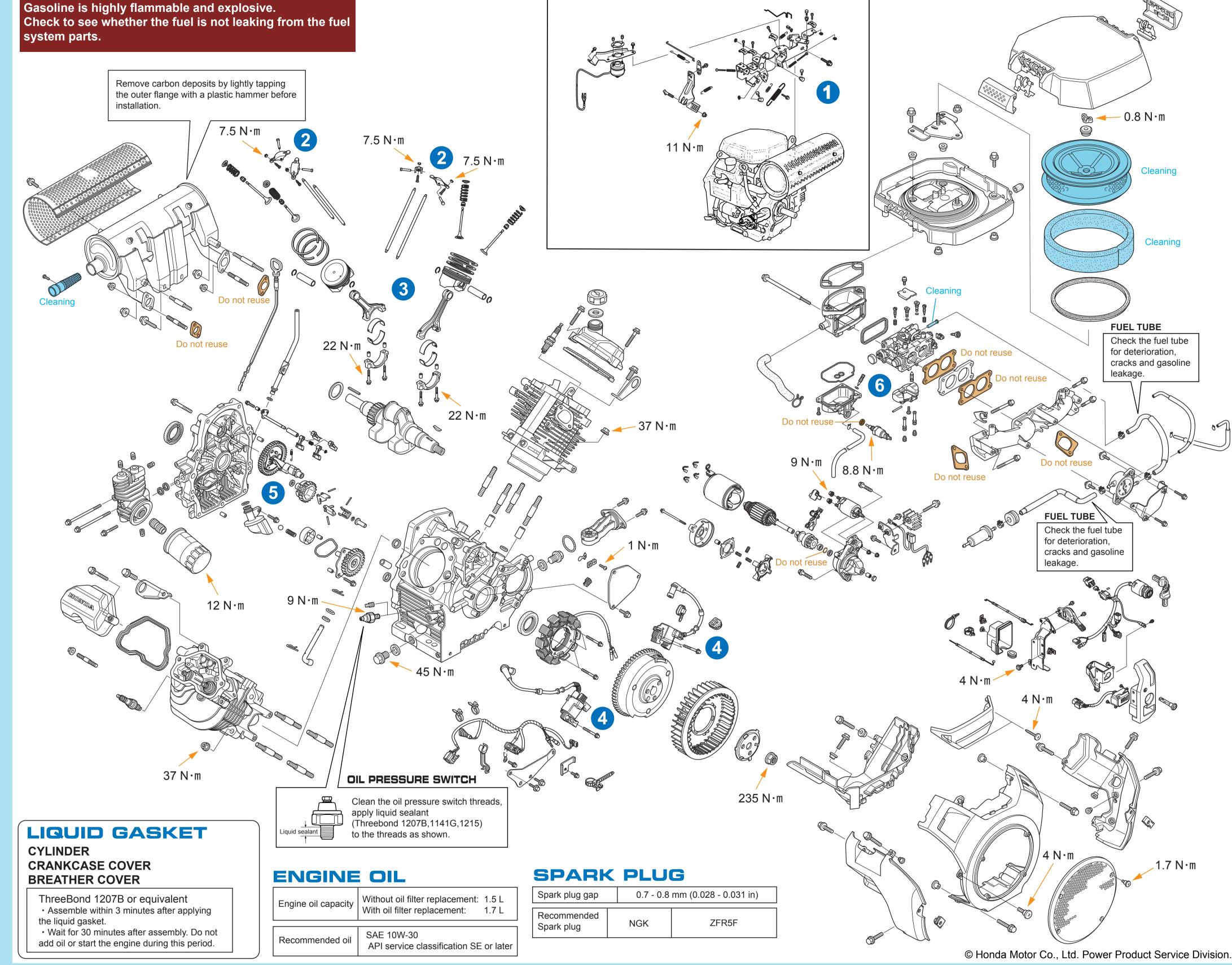
Insert a thickness gauge between the valve rocker arm and valve stem to measure the valve clearance.

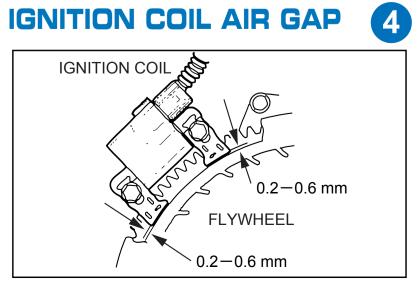
#### IN: $0.08 \pm 0.02$ mm EX: $0.10 \pm 0.02$ mm

If adjustment is necessary, proceed as follows. Hold the tappet adjusting screw (1) and loosen the tappet adjusting nut (2). Turn the tappet adjusting screw to obtain the specified clearance. TOOL: Tappet adjusting wrench 3 mm (3) 07708-0030400

## PISTON DISASSEMBLY/REASSEMBLY

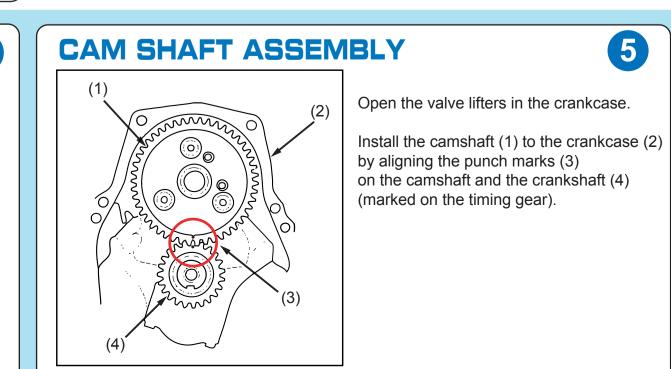






Adjust the ignition coil air gap equally

at both side.



Open the valve lifters in the crankcase.

### CLEANING Clean the carburetor body with non-flammable solvent. Clean thoroughly the following passages and ports with low compressed air.

**MAIN JET** MAIN JET NUMBER:

**CARBURETOR** 

GX630/GX630R: L side (No.1 cylinder) #102 **─**MAIN JET R side (No.2 cylinder) #105 GX660/GX660R: #112 GX690/GX690R: #118

