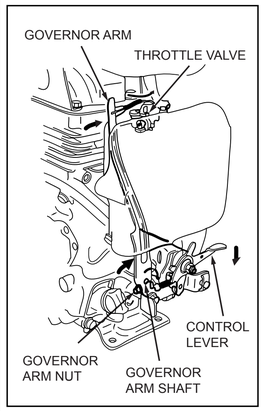
HONDA
POWER PRODUCTS

# GX100

## GOVERNOR

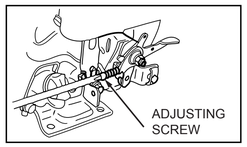



### ADJUSTMENT

1

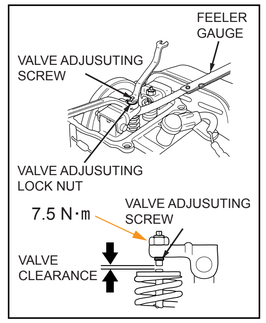
1) Move the control lever to the "FAST" position.
2) Loosen the governor arm nut on the governor arm.
3) Push the governor arm end toward the carburetor side, open the carburetor throttle valve fully.
4) Holding the carburetor throttle valve fully opened, turn the governor arm shaft clockwise fully, and tighten the governor arm nut to the specified torque. (TORQUE : 10 N・m)
5) Check to see whether the governor arm and the carburetor throttle valve operate smoothly.
6) Start the engine and allow it to warm up to the normal operatlng temperature. Move the control lever to the maximum engine speed position and check the maximum engine speed.
7) Adjust the maximum engine speed, if necessaiy, by turning the adjusting screw in or out.

| Maximum engine speed (no load) |
|---|
| 4,000 ±200 min$^{-1}$ (rpm) |



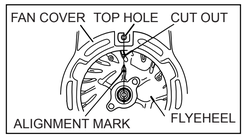

## VALVE CLEARANCE

2




Valve clearance inspection and adjustment must be performed with the engine cold.

Remove the cylinder head cover, and set the piston at the top dead center of the compression stroke (both valves fully closed).
Align the cutout in the flywheel fin er the alignment mark on the flywheel with the top hole on the fan cover.




Insert a feeler gauge between the valve adjusting screw and the valve to measure valve clearance.

| VALVE CLEARANCE | 0.15 ± 0.04 mm (IN) 0.20 ± 0.04 mm (EX) |
|---|---|

## IGNITION COIL

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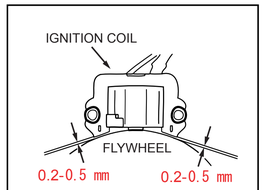
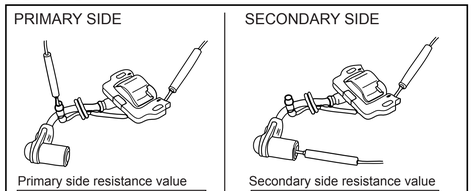
### IGNITION COIL AIR GAP




### INSPECTION



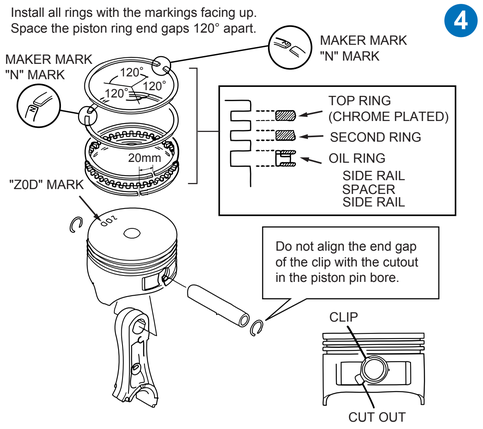

| Primary side resistance value |
|---|
| 0.75—0.95Ω |

| Secondary side resistance value |
|---|
| 6.1—9.3 kΩ |

## PISTON DISASSEMBLY/REASSEMBLY

4

Install all rings with the markings facing up.
Space the piston ring end gaps 120° apart.




## CAM PULLEY INSTALLATION

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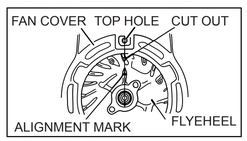
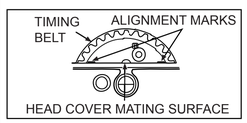



Set the piston top dead center of the compression stroke (both valve fully closed). Align the cutout in the flywheel fin er the alignment mark on the flywheel with the top hole on the fan cover.



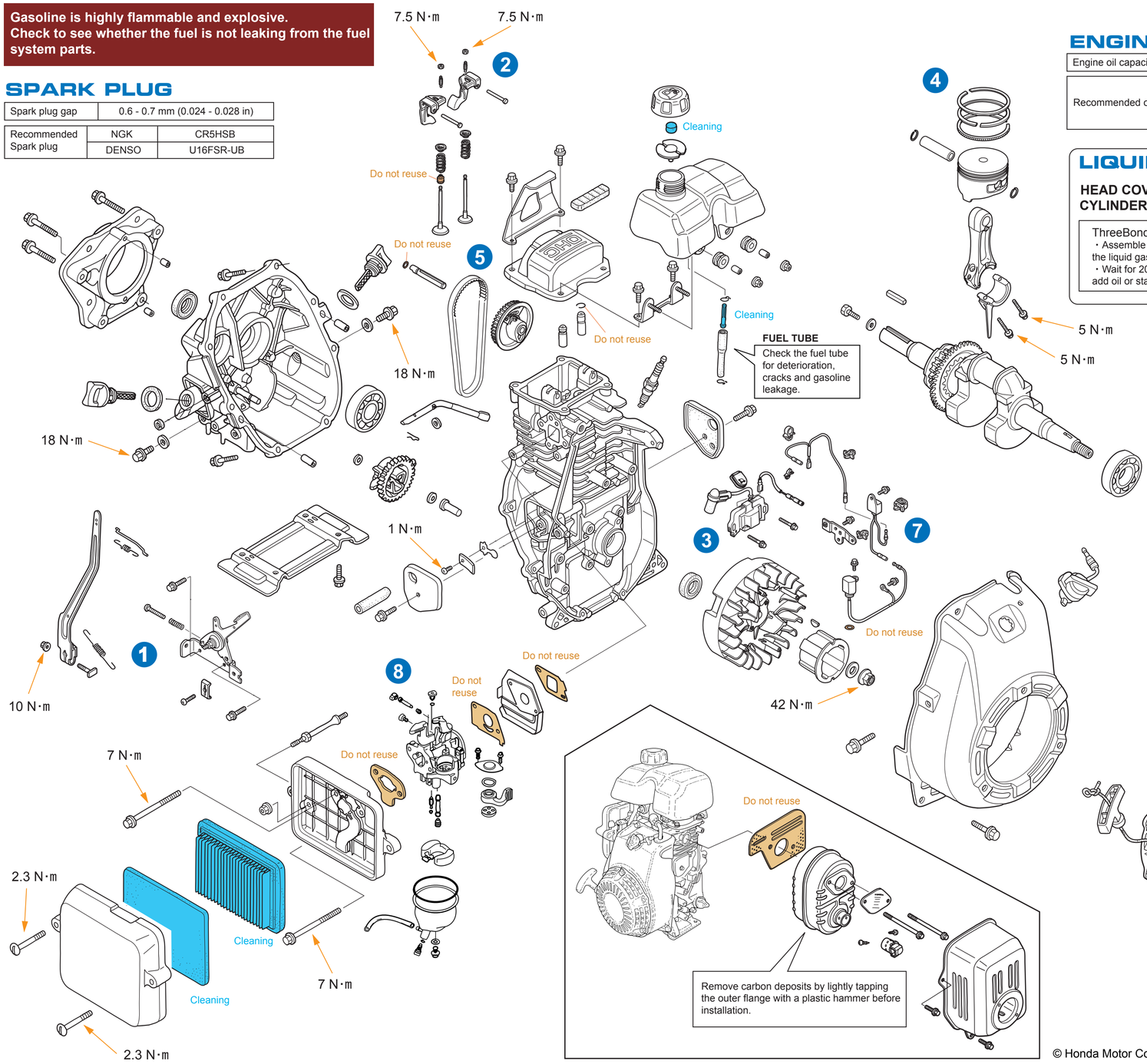

Align the alignment marks on the cam pulley so that they are in line with the head cover mating surface.
Be careful ta avoid turning the crankshaft when installing.

**Gasoline is highly flammable and explosive.**
**Check to see whether the fuel is not leaking from the fuel system parts.**

## SPARK PLUG

| Spark plug gap | 0.6 - 0.7 mm (0.024 - 0.028 in) |
|---|---|

| Recommended Spark plug | NGK | CR5HSB |
|---|---|---|
| | DENSO | U16FSR-UB |




## ENGINE OIL

| Engine oil capacity | 0.40 L (0.42 mUS qt, 0.35 Imp qt) |
|---|---|
| Recommended oil | SAE 10W-30<br>API Service Classification SF or SG |

## LIQUID GASKET

**HEAD COVER**
**CYLINDER BARREL**

ThreeBond 1207B or equivalent
- Assemble within 10 minutes after applying the liquid gasket.
- Wait for 20 minutes after assembly. Do not add oil or start the engine during this period.

## ENGINE STOP SWITCH

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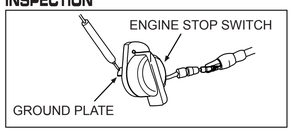
### INSPECTION




Attach the tester leads to the black wire and the ground plateof the engine stop switch, and check continuity.

Switch OFF position : There should be continuity.

Switch ON position : There should be no continuity.

## OIL ALERT

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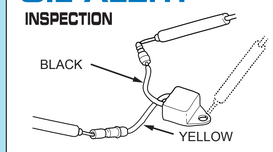
### INSPECTION




| - \ + | BLACK | YELLOW | BODY |
|---|---|---|---|
| BLACK | | 500-10kΩ | ∞ |
| YELLOW | 500-10kΩ | | ∞ |
| BODY | ∞ | ∞ | |

## CARBURETOR

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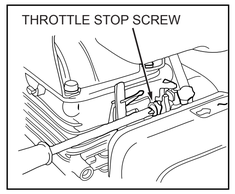
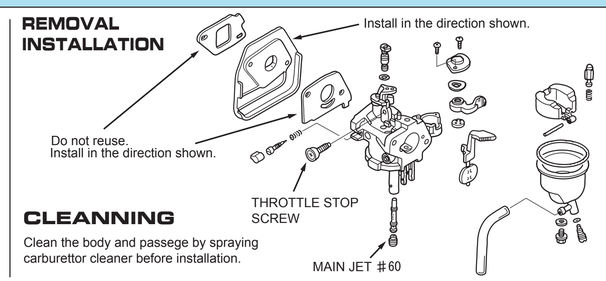
### IDLE SPEED ADJUSTMENT




- Start the engine and allow it warm up to normal operating temperature.
- With the engine idling, turn the throttle stop screw in or out to obtain the standard idle speed.

| Standard idle speed |
|---|
| 1,550±150 min$^{-1}$(rpm) |

### REMOVAL INSTALLATION




### CLEANNING

Clean the body and passege by spraying carburettor cleaner before installation.

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