





Thank you for purchasing our product. Before installing/operating the product, read the instructions carefully and retain them for future reference.

⚠ Attention!

- For installation, follow the steps described. Any damage caused by wrong installation shall be imputed to the users.
- Do not disassemble or change any parts. Opening and dissassembling this unit will void any warranty.
- Maintenance and repairs should be executed by our professionals only.
- •The Cylinder can be painted with High Heat Paint only Under no circumstances should you apply any paint inside the cylinder or near the gasket surface.

NOTE

Engine oil must be used during installation.

Torque value required for fastening the screws.

** WARNING! Certain procedures must be followed to avoid injuries from occurring to the user or to

ACAUTION! others. Certain procedures must be followed to avoid damages from occurring to the

vehicle. 1-1 Accessories







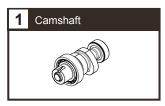




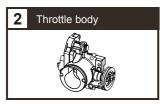




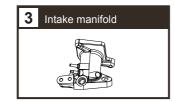
1-2 Optional Accessories

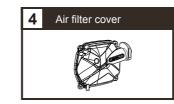




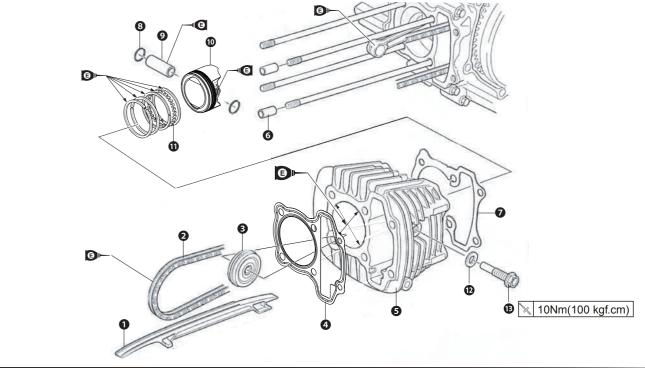








2-1 Instructions of Cylinder and Piston Dismantling and Disassembly



Proceed as follows

8 C-Ring (Accessories7)

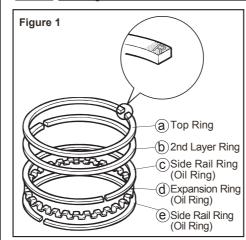
1 Cam Chain

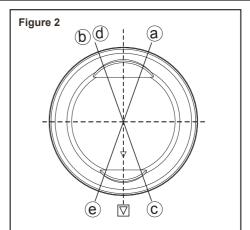
2 Chain

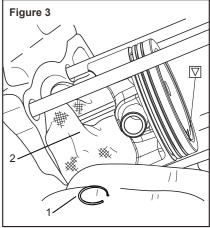
- 3 Cam Chain Guide
 - 4 Cylinder Upper Gasket (Accessories2) Cylinder Lower Gasket (Accessories3)

- **5** Ceramic Coated Cylinder x1 (Accessories1)
 - 6 Std Dowel Pin 9 Forged Piston Pin (Accessories6)
 - Piston(Accessories4)
- 1 Piston Ring (Accessories5)

- Washer Bolt
- ⚠ Before the installation, apply lubricant oil on the cylinder wall to avoid unnecessary scratching or damaging of the cylinder.
- NOTE Perform the dismantling according to the method indicated in the figure. The installation should be performed in reverse sequence for the dismantling procedure.







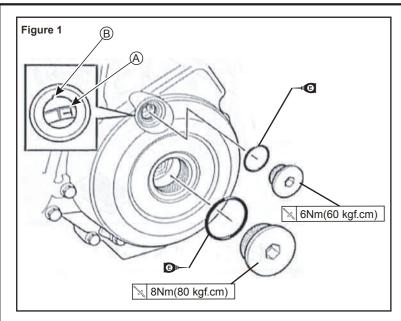
The marking on the piston ring should face upward (Fig. 1) and the notches on the Piston Ring should also be aligned by intersecting

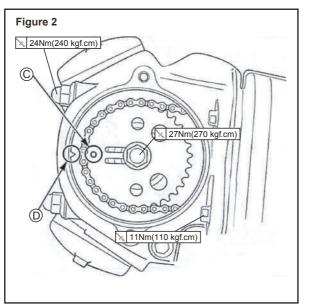
NOTE During the installation, confirm that the triangle marking on the piston is facing toward the discharge side of the cylinder

ACAUTION! Before installing C-Ring (1), be sure to cover the opening of Crankcase (2) with a clean cloth to prevent the ring from bouncing back into the Crankcase as to cause unnecessary damage (Fig. 3).

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2-2 Instructions of Timing Gear Adjustment





- 1.Rotate the Distribution Panel Rotor with appropriate tool and then adjust until the TDC markin is correctly aligned with the marking (B) on the generator.
- 2. Confirm that the Camshaft Sprocket marking (is correctly aligned with marking (i) on the cylinder head.

NOTE Perform the dismantling according to the method indicated in the figure. The installation should be performed in reverse sequence for the dismantling procedure.

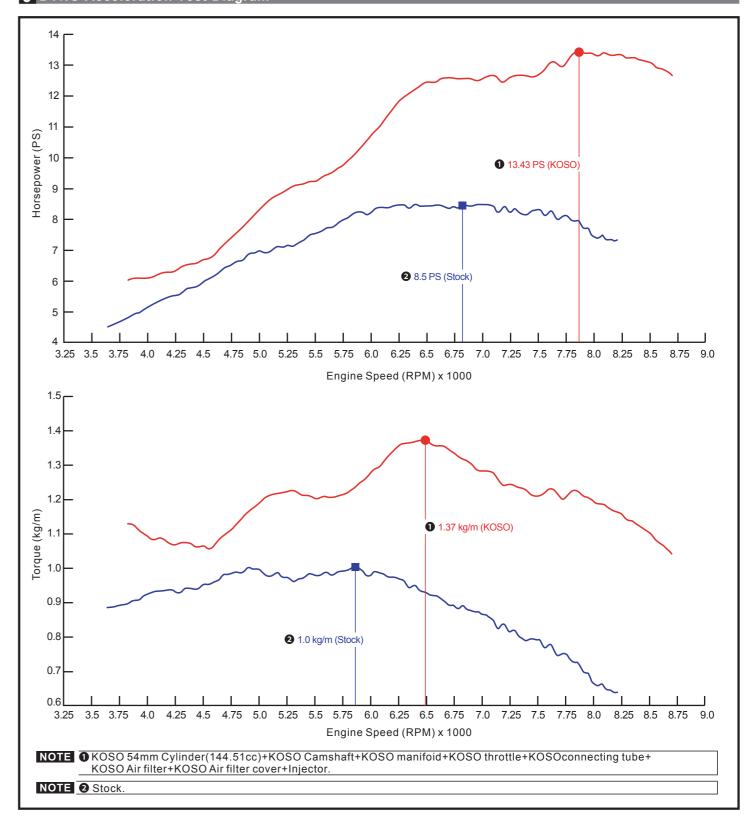
NOTE When installing the Camshaft, the chain should be kept with a tension.

ACAUTION! When dismantling, be sure to adjust the Timing Gear marking first and then proceed with the dismantling operation.

When installing the Camshaft, do not attempt to turn the crank to avoid damaging the valve or causing timing error of the valve.

<u>A WARNING!</u> After completing the installation of Timing Gear and chain, check if the relative markings are correctly aligned. Before starting the machine, perform a running test to ensure that the machine is correctly installed.

3 DYNO Acceleration Test Diagram



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