

Balancer

1. Remove the balancer cover mounting screws (2).
2. Take out the balancer (1).

(When reassembling)

- Clean up the balancer needle bearing (2) and balancer shaft (at the side cover), and apply oil to them.
- Make sure the needle bearing turns smoothly. Install the balancer (1) onto the balancer shaft from the balancer side. Finally place the balancer (1) in position.

NOTE

- Install the balancer (1) with the gear facing toward the balancer casing. See the picture.
- Be sure that the balancer (1) turns smoothly.

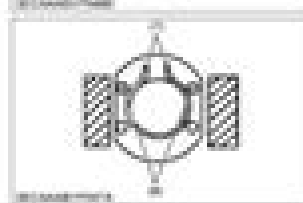
IMPORTANT

- For replacing the bearing, clean up a new bearing and the drive-in spring. Force the bearing into position with its side mark facing outward.

(1) Balancer

(2) Balancer Cover Mounting Screws

0000-01 0000-04 0000



Governor Gear and Oil Pump

1. Remove the stopper (1).
2. Pull out the gear (2).
3. Remove the spring pin (3).
- The circumference of the spring pin hole results out when the pin has been taken out. Connect this area flat.
4. Remove the three screws retaining the oil pump cover (4).
5. Push out the lower rotor shaft (5) and outer rotor (4).

(When reassembling)

- Make sure the oil of the spring pin (3) faces the oil pump.
- Make sure the spring pin (3) stretches at equal distance left and right out of the shaft.
- Place the stopper (1) so that its hole (7) be fitted in between the two projection (6) of the gear. See the figure.
- Apply oil each section.

NOTE

- Finally pull the gear to see if it is tight in position.

Distance between gear case and governor gear (6)	0000-01	1.5 mm 0.059 in.
	0000-04	0.5 mm 0.019 in.

(1) Stopper

(5) Lower Rotor Shaft

(2) Governor Gear

(4) Cover

(3) Spring Pin

(6) Gear

(4) Outer Rotor

(7) Projection

0000-01 0000-04 0000

(6) Piston and Connecting Rod



Camshaft and Tappet

1. Pull out the camshaft (1) and the cam gear (2) as a unit.
2. Remove the tappet (3).

NOTE

- Intake and exhaust tappets are of an identical shape, and need to be distinguished with a tag, etc.

IMPORTANT

- Force the bearing into position with its side mark facing outward.

(1) Camshaft

(2) Tappet

0000-01 0000-04 0000

Piston and Connecting Rod

1. Remove the cap (2) at the top end of the connecting rod.
2. Put the parting mark (1) (4) on the piston head as shown in the figure.
3. Pull out the piston (1) from the cylinder head side.

(When reassembling)

- Insert the piston (1) with a piston ring compressor.

IMPORTANT

- Be sure to assemble the connecting rod so that the casting mark (2) (3) of the connecting rod faces toward the flywheel.

- Align the mark on the side of the connecting rod and cap (2).

(When reassembling piston and connecting rod)

IMPORTANT

- When installing the piston pin, insert the piston in oil (1) (2) (3) oil for 10 to 15 minutes and insert the piston pin to the piston.
- When installing the connecting rod to the piston, align the mark (2) on the connecting rod to the parting mark (4).

Tightening torque	Connecting rod bolts	0000-01	10 to 11 N·m 1.0 to 1.2 kgf·m 10 to 15 lb·ft
		0000-04	10 to 10 N·m 1.0 to 1.1 kgf·m 10 to 10 lb·ft

(1) Piston

(2) Parting Mark

(3) Connecting Rod Cap

(4) Casting Mark

0000-01 0000-04 0000

Kubota Oc60 Manual

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Table of Contents Kubota Oc60 Manual

1. Understanding the eBook Kubota Oc60 Manual
 - The Rise of Digital Reading Kubota Oc60 Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Kubota Oc60 Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Kubota Oc60 Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Kubota Oc60 Manual
 - Personalized Recommendations
 - Kubota Oc60 Manual User Reviews and Ratings
 - Kubota Oc60 Manual and Bestseller Lists
5. Accessing Kubota Oc60 Manual Free and Paid eBooks

- Kubota Oc60 Manual Public Domain eBooks
- Kubota Oc60 Manual eBook Subscription Services
- Kubota Oc60 Manual Budget-Friendly Options
- 6. Navigating Kubota Oc60 Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Kubota Oc60 Manual Compatibility with Devices
 - Kubota Oc60 Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Kubota Oc60 Manual
 - Highlighting and Note-Taking Kubota Oc60 Manual
 - Interactive Elements Kubota Oc60 Manual
- 8. Staying Engaged with Kubota Oc60 Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Kubota Oc60 Manual
- 9. Balancing eBooks and Physical Books Kubota Oc60 Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Kubota Oc60 Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Kubota Oc60 Manual
 - Setting Reading Goals Kubota Oc60 Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Kubota Oc60 Manual
 - Fact-Checking eBook Content of Kubota Oc60 Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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