



Kawasaki **Ninja ZX-6RR**

2005 Ninja ZX-6RR

Racing Kit Manual

This manual contains only the information of the racing kit parts. Refer to the base manual listed below for information of the original model.

Base Manual	Part Number
Ninja ZX-6RR Motorcycle Service Manual	99924-1346-01

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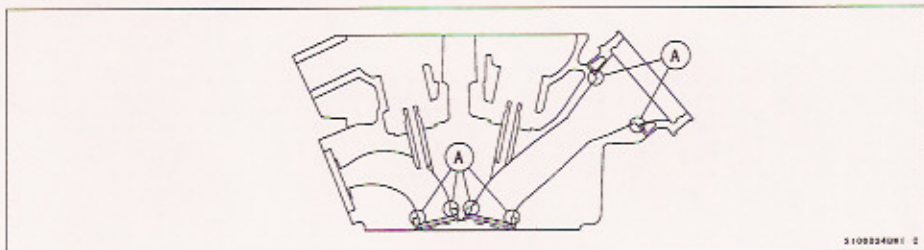
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- Grind off and smooth the stepped portions at the mating surface between valve seat and the port.
- Smooth the inside of the intake port and exhaust port.
- Chamfer the machining edge of the cylinder head where the valve seat is installed, also smooth the dome of the combustion chamber with the valves installed. Excessive smoothing may reduce the cylinder compression.
- Use the hand grinder.
- Use #200 oil stone for eliminating any stepped portions.
- Use #200 oil stone for smoothing and #300 oil stone for finishing.

NOTE

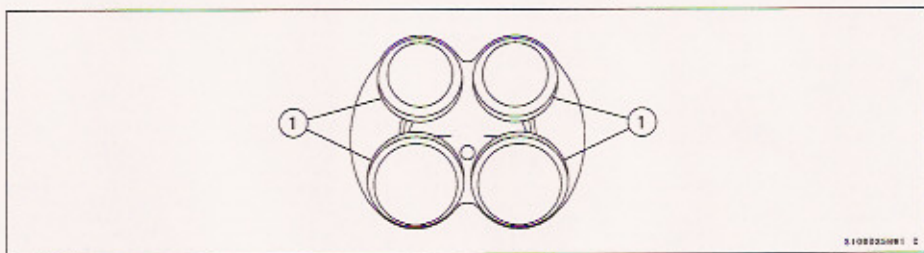
- *These procedures make air resistance less and intake/exhaust gas flow more smooth. However, much more effect can not be expected by excessive grinding and smoothing. It may be done to the extent of getting rid of uneven surfaces.*



A: Stepped Portions

---: Combustion Chamber Dome

- The combustion chambers are modified by cutting work but the edges shown must be hand finished for smooth corners (Round them to about R1).



1. Edges (4)

NOTE

- *When grinding the cylinder head bottom surface or using thinner gaskets, adjust the valve timing to keep that the valve to piston clearance is not less than the minimum value (IN: 0.7 mm, EX: 1.4 mm).*

Standard Selection of Spring Retainers

Total Thickness of Clutch Plates	Size of Spring Retainers	Remarks
38.2 ~ 38.8 mm	6 mm	P/No. 13091-1041 Original Setting
37.6 ~ 38.2 mm	5 mm	P/No. 39108-0004

* If clutch slip is occurred with a retainer of 6 mm, try with a retainer of 5 mm.

Standard Selection of Shim

Total Thickness of Clutch Plates	Size of Shim	Remarks
Approx. 38.8 mm	0.6 mm	P/No. 92025-1755 Original Setting
38.0 ~ 38.6 mm	0.4 mm	P/No. 92025-1756
37.6 ~ 38.0 mm	—	Without Shim

Transmission

- Remove the three steel balls (600A0500) from the output shaft assembly. This is done to start easily the engine with the second gear.
- Take kit and optional transmission gears are available to be closer to each gear ratio.

Transmission Shimming

By using washers with various thickness, keep the axial clearance between 0.3 mm and 0.4 mm, to prevent the seizure of gears and to keep smooth gear-shifting.

	Thickness	Part No.	
Spline washer (input)	1.5 mm	92200-1239	Original
	1.7mm	92200-1534	Kit
Spline washer (output)	1.5 mm	92200-1240	Original
	1.7 mm	92200-1535	kit
Plane washer	0.7 mm	92022-1026	Production part
	1.0 mm	92022-112	Original (input)
	1.2 mm	92200-1536	Kit
	1.4 mm	92022-223	Production part
	1.5 mm	92200-1375	Production part
	2.3 mm	92200-1238	Original (output)

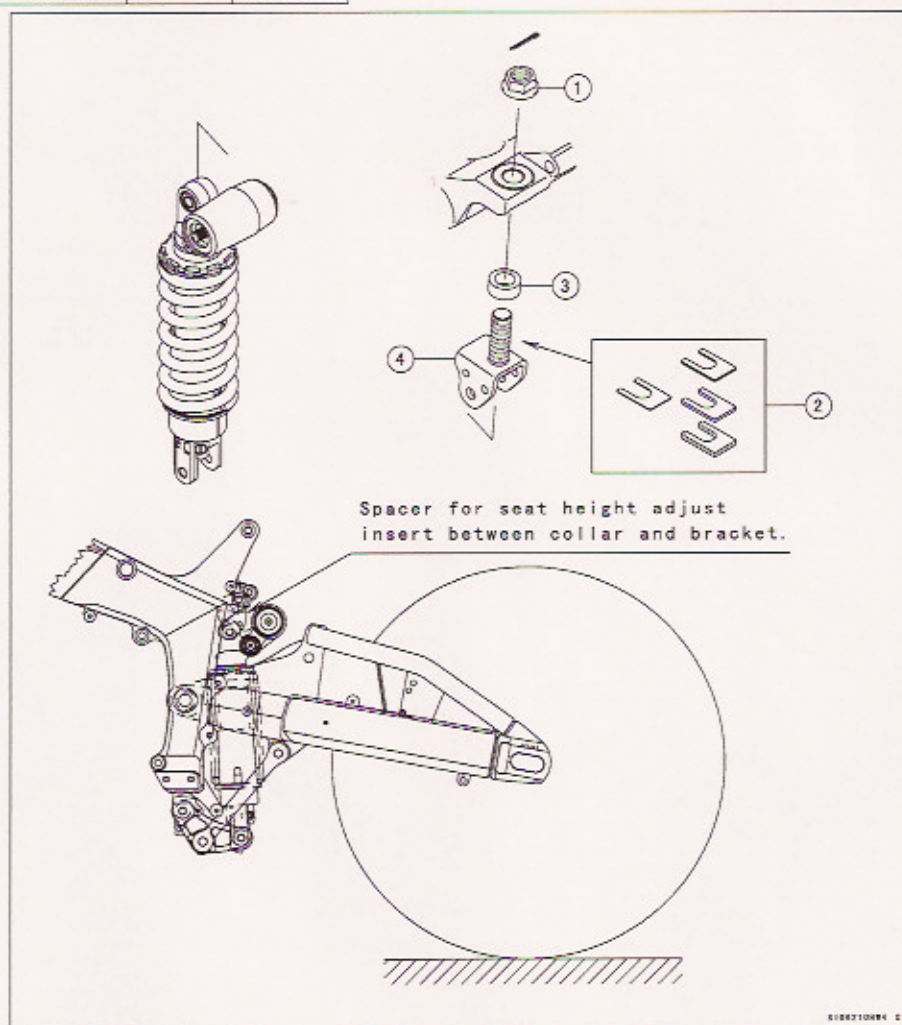
Seat Height Adjustment

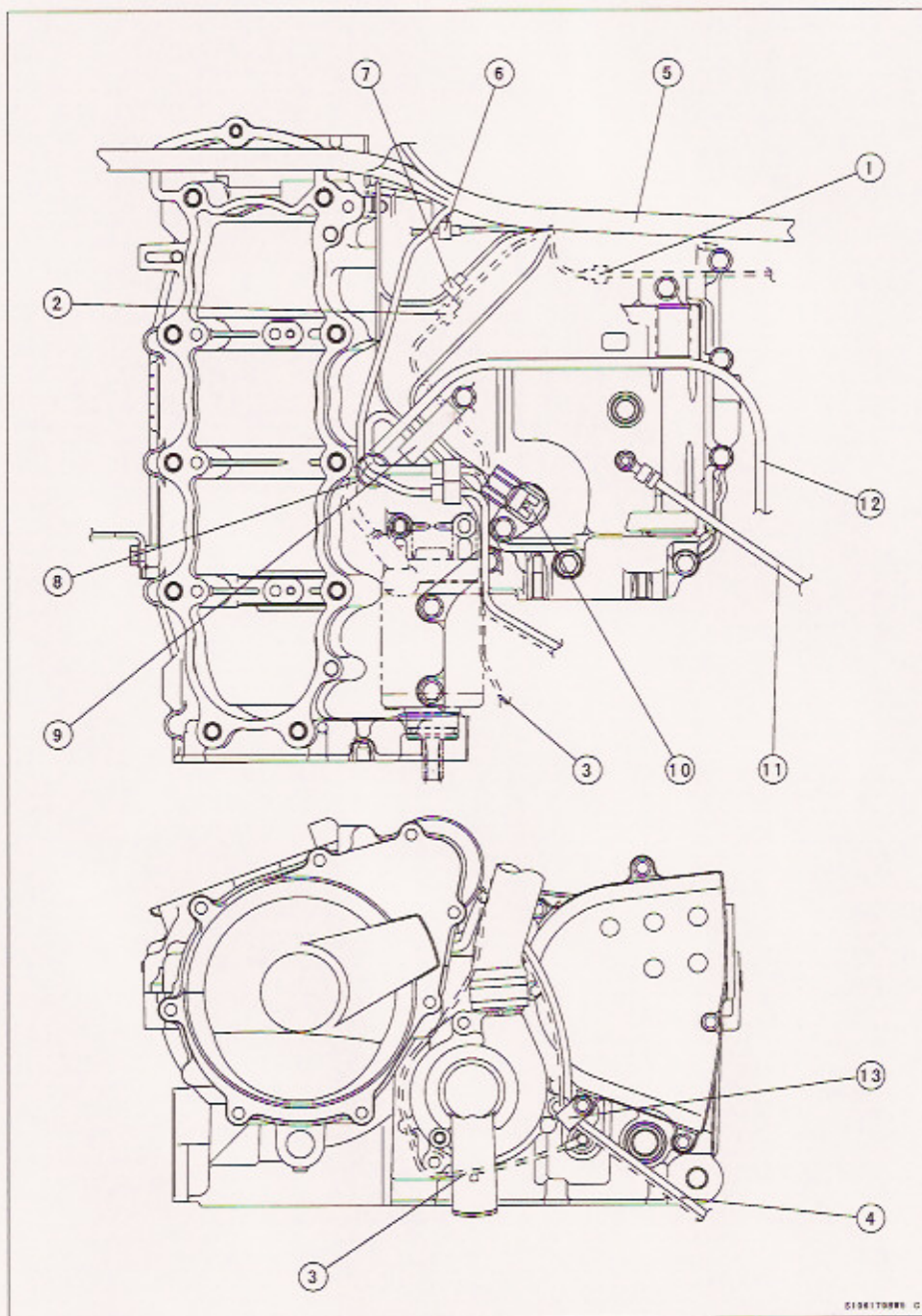
Spacer Set: 92026-1586

P/No.	Quantity	Thickness
92026-1582	1	1.0 mm
92026-1583	1	2.0 mm
92026-1584	1	3.2 mm
92026-1585	2	4.5 mm

Used nut and seat height adjustable range (Std: 11 mm)

	Range from standard position	Remarks
Original	- 6 mm	cotter pin used
Kit	- 6 ~ + 3.5 mm	self lock nut





This catalog covers:

'05 ZX600-NR1 Engine



GRID NO. This grid covers:

B-5 Clutch

E1359

Ref. No.	Part No.	Description	Spec Code	Quantity-ZX600		
				'05	NR1	
39108	39108-0004 (OPTION)	RETAINER-SPRING,L=5MM		6		
92015	92015-1929	NUT		1		
92025	92025-1756 (OPTION)	SHIM,T=0.4		1		
92210	92210-0058 (OPTION)	NUT		1		



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