

REMOVING THE CAMSHAFTS

1. Align:

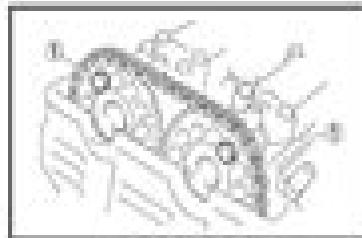
- TDC mark on the pickup coil rotor (with the crankcase mating surface)

a. Turn the crankshaft clockwise.

- When piston #1 is at TDC on the compression stroke, align the TDC mark ① on the pickup coil rotor with the crankcase mating surface ②.

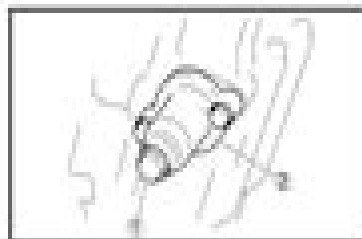
NOTE:

TDC on the compression stroke can be found when the camshaft lobes are turned away from each other.



2. Loosen:

- camshaft sprocket bolts ①

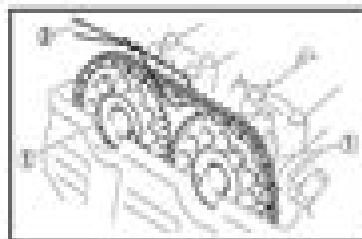


3. Loosen:

- cap bolt ①

4. Remove:

- timing chain tensioner ②
- gasket

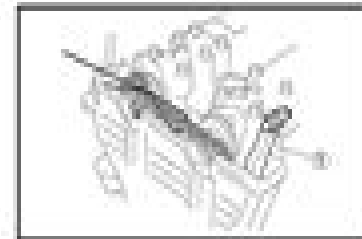


5. Remove:

- camshaft sprockets ①

NOTE:

To prevent the timing chain from falling into the crankcase, fasten it with a wire ②.

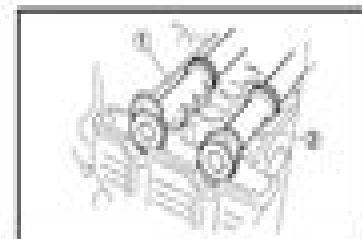


6. Remove:

- timing chain guide (exhaust side) ①
- camshaft caps
- drive pins

CAUTION:

To prevent damage to the cylinder head, camshafts or camshaft caps, loosen the camshaft cap bolts in stages and in a criss-cross pattern, working from the outside in.



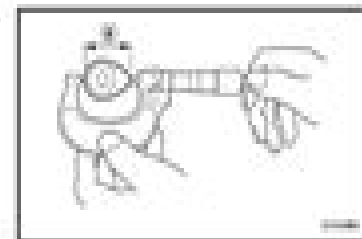
7. Remove:

- intake camshaft ①
- exhaust camshaft ②

CHECKING THE CAMSHAFTS

1. Check:

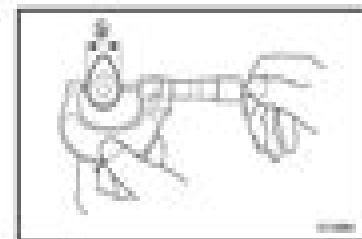
- camshaft lobes
Blue discoloration/pitting/scratches →
Replace the camshaft.



2. Measure:

- camshaft lobe dimensions ① and ②
Out of specification → Replace the camshaft.

	Camshaft lobe dimension limit	
	Intake camshaft	
	①	32.4 mm (1.2754 in)
	②	24.85 mm (0.9785 in)
	Exhaust camshaft	
	①	32.85 mm (1.2933 in)
	②	24.85 mm (0.9785 in)



Yamaha R1 2003 Service Manual

Matthew Coombs



Yamaha R1 2003 Service Manual:

Yamaha YZF-R1, '98-'03 Haynes Publishing, 2018-05-01 Each Haynes manual provides specific and detailed instructions for performing everything from basic maintenance and troubleshooting to a complete overhaul of the machine in this case the Yamaha YZF R1 model years 1998 through 2003 Do it yourselfers will find this service and repair manual more comprehensive than the factory manual making it an indispensable part of their tool box A typical Haynes manual covers general information troubleshooting lubrication and routine maintenance engine top end engine lower end primary drive clutch and external shift mechanism transmission and internal shift mechanism engine management system electrical system wheels tires and drivebelt front suspension and steering rear suspension brakes body and color wiring diagrams An index makes the manual easy to navigate *TWO AND THREE WHEELER TECHNOLOGY* DHRUV U. PANCHAL, 2015-08-20 The inclination towards two wheelers is not newer to the world From the very beginning two wheelers are recognized as a mark of triumph independence and joy These are considered fast safe and easy mode of transportation with worthy fuel economy With the arrival of automation and electronics in two wheelers the study gained more momentum which led Two and Three Wheeler Technology to emerge as a new discipline of automobile engineering The book explains traditional and modern technologies in an easy to understand manner Various technologies have been explicated with appropriate 2D and 3D diagrams to support learning Text comprises the state of the art developments in the field of two wheelers Detailed explanation on the actual assemblies helps the students to cognize the technology systematically Although the emphasis has been given to the two wheeler technology considering the requirement of various syllabi the last chapter is solely dedicated to three wheeler technology Chapter end review questions help students in preparing them for examination by self assessment method Primarily designed for the undergraduate and diploma students of automobile engineering the lucid and simple presentation of the book makes it useful for the commoner who has keen interest in this area It is a useful guide for a vehicle owner for understanding mechanism and parts which may help him in maintaining his vehicle at best efficiency

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YZF-R6, '03-'05 Haynes Publishing,2020-02-25 Each Haynes manual provides specific and detailed instructions for performing everything from basic maintenance and troubleshooting to a complete overhaul of the machine in this case the Yamaha YZF R6 model years 2003 through 2005 Do it yourselfers will find this service and repair manual more comprehensive than the factory manual making it an indispensable part of their tool box A typical Haynes manual covers general information troubleshooting lubrication and routine maintenance engine top end engine lower end primary drive clutch and external shift mechanism transmission and internal shift mechanism engine management system electrical system wheels tires and drivebelt front suspension and steering rear suspension brakes body and color wiring diagrams An index makes the manual easy to navigate **Yamaha YZF-R6 Service & Repair Manual** Matthew Coombs,2007 Written by Matthew Coombs this is a service and repair manual for the DIY motorcycle mechanic This title focuses on the Yamaha YZF R6 motorcycle Yamaha Service Manual R5-B. Yamaha Motor Co. Service Department,1971 **Yamaha Service Manual** Yamaha Motor Co,19?? **Yamaha Model YL-1 (motorcycle) Service Manual** Yamaha Motor Co,1970* **Yamaha Service Manual R3/R3C**. Yamaha Motor Co,1968 Yamaha YZF-R6 Tim Griffiths,2020 *Clymer Yamaha XV535-1100 Virago 1981-2003: Service, Repair, Maintenance* Ed Scott,2004-05-30 Service repair and maintenance manual **Yamaha Combined Service Manual** ,1972

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