

Circolare TecnicaService Bulletin - Technisches Rundschreiben - Circulaire Technique - Circular
Tecnica**555**

no.1

Date: **07/06/2001**Subject: **REPLACEMENT OF CLOSING ROCKER ARMS (part no. 209.1.013.1a -
209.1.014.1a)**Product: **996R****FUNCTION-RELATED RECALL CAMPAIGN**

We determined that the above referenced part needs replacing.

Some closing rocker arms from the batch to be recalled might break and cause severe damage to the timing system.

We suggest that you replace the rocker arms upon the pre-delivery inspection or the 1,000 km service. Any motorcycles which have already undergone the first service must be recalled.

Affected frame numbers are indicated in the table below:

MODEL	COUNTRY	COUNTRY-SPECIFIC MARKING	FINAL FIGURES of SERIAL NO.	
			FROM	TO
996R	EC	ZDMH200AA1B	012568	012691

H0L038

How to replace the rocker

Remove the following component parts to obtain free access to the heads:

side fairing;

fuel tank;

air box;

engine cooling system;

belt covers;

timing belts;

unscrew and remove timing belt

rollers with tool no. 88713.1806.

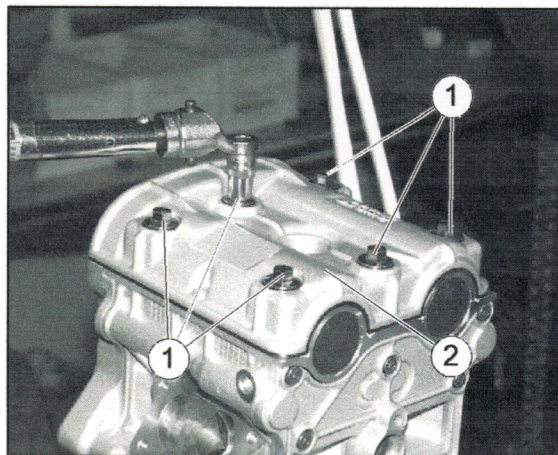
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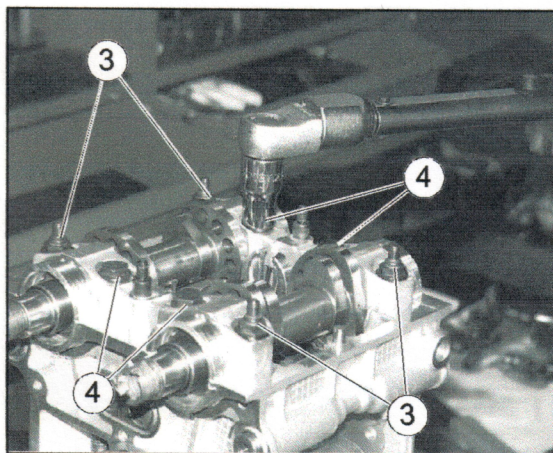
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no.2

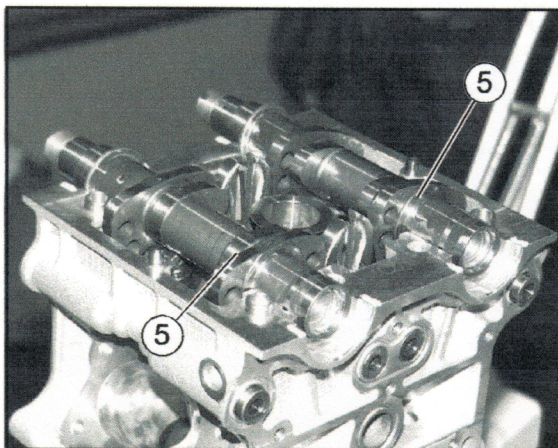
Loosen the flanged bolts (1) on the head cover and remove the head cover (2).



Unscrew the stud bolts (3) and the bolts (4) fixing the camshaft pillow blocks (5)



Take the camshafts (5) out of the head.



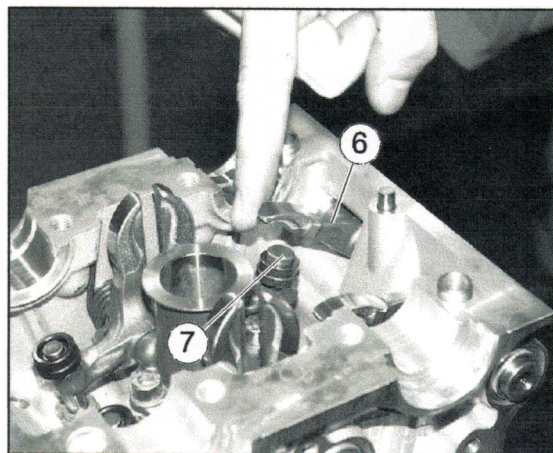
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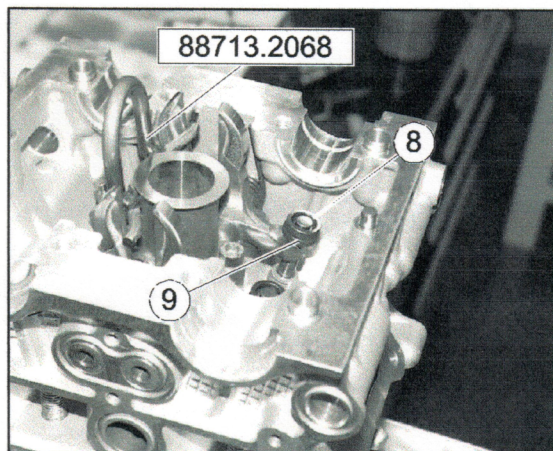
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no.3

Remove the valve opening rockers
(6) and remove the opening shim (7).



Push down the closing rockers with
tool no. 88713.2068 and remove the
half rings (8) that hold the closing
shims (9) in place.
Remove the closing shims.



During this operation, set the piston -
of the cylinder in which you are
operating - at the T.D.C. to prevent
valves to fall in. Close oil drainage
holes to prevent half rings to fall in.
Remove side covers securing rocker
shafts.

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With tool no. 887131994 unscrew the rocker shafts (11) and take the closing rockers (12) out of the head.

Replace the RH closing rocker part no. 209.1.013.1a with rocker part no. 209.1.013.3a and the LH closing rocker part no. 209.1.014.1a with rocker part no. 209.1.014.3a

To reassemble, reverse the disassembly procedure.
Use new seals between head covers and heads.

(13) part no. 938.2.320.87

(14) part no. 463.2.050.5A

(15) part no. 788.1.064.1A

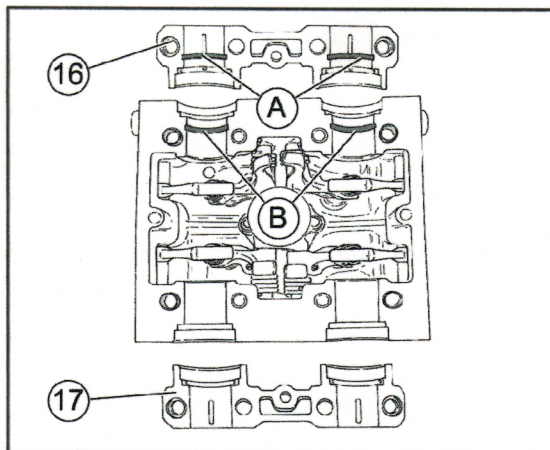
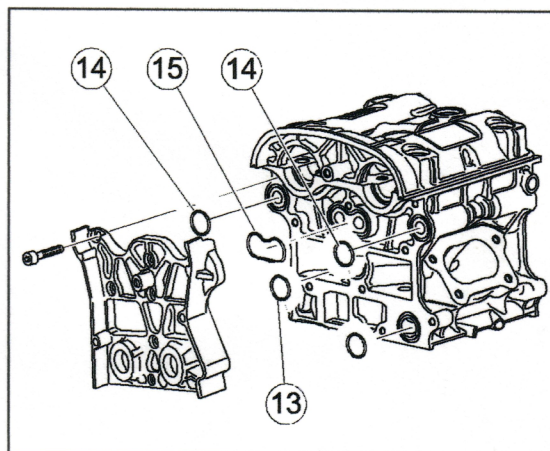
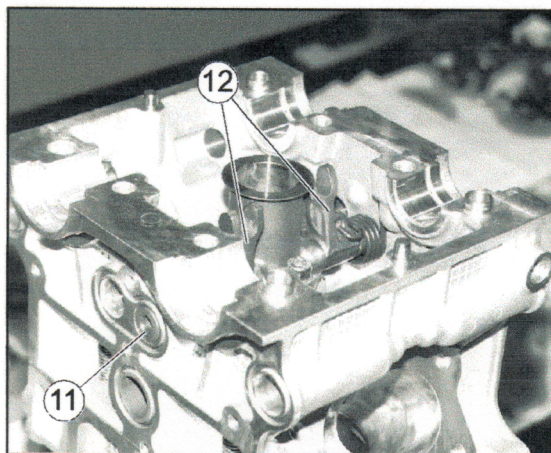
Valve clearances upon re-assembly:

Opening: $0,13 \pm 0,18$ mm

Closing: $0,18 \pm 0,23$ mm

When reassembling, do not forget to place the camshaft pillow blocks (16 and 17) so that the one featuring the distribution groove corresponds to the side of the head with the oil delivery duct.

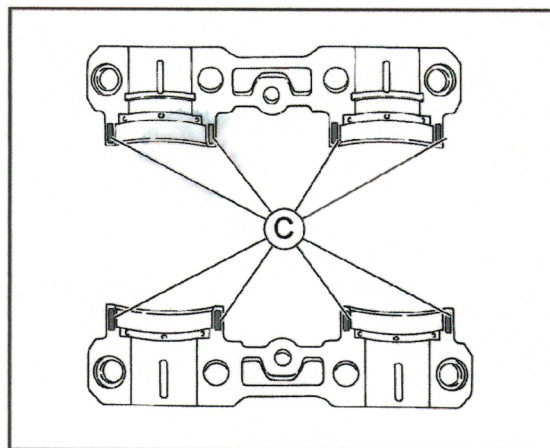
Important! cap (16) differs from cap (17) in grooves (A) and must be fitted on head side featuring grooves (B)



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When refitting the camshaft pillow blocks, apply uniform bead of **THREE BOND** sealant(C) in the areas highlighted by the arrows on both sides of the head.



Tightening torques to be used during head re-assembly

Timing belt roller ring nut 998	M17x1	71 Nm	SHELL ALVANIA R3 Grease
Head cover flanged bolts	M6x1	10 Nm	
Head cover stud bolts	M6x1	10 Nm	Loctite 243
Camshaft pillow blocks	M8x1,25	1) Grease bolt with SHELL - RETINAX HDX 2 grease 2) Tighten until 10 Nm 3) Tighten 22,5 Nm	
General nuts and bolts	M6x1	10 Nm	
	M8x1,25	25 Nm	

Each Dealer/Importer will be receiving a list of affected vehicles.

You will be refunded the worth of the spare parts used plus **8 hours** labour for the replacement procedure through the usual warranty claim procedure.

Please use the codes listed below when filling the Warranty Claim form:
inspection only:

Description	Code	Qty.		Def.	Sub.	Cau.	Sfty.
A146 RH closing rocker	209.1.013.3a	4	x	CR007	1	1	B
A146 LH closing rocker	209.1.014.3a	4				1	
G046 O-Ring	463.2.050.5a	4 8				1	
A111 Gasket (PARA)	788.1.064.1a	2 4				1	
G020 O-Ring	93823.2087	4 8				1	
Man-hour unit	**	8.0				1	

**Please report the specific Man-hour code for your country.

It is your responsibility to inform your customers that this change must be performed urgently using the attached letter and in accordance with the law provisions in your country.

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Under Directive CEE 92/59 of 29/6/92, we shall not be liable for any damage to persons or property resulting from accidents in the event of failure to perform or improper performance of the change outlined above.

We trust that you will give this matter due consideration.

Best regards

**N.B. THIS BULLETIN SUPERSEDES THE PREVIOUS BULLETIN BEARING THE SAME
NUMBER, DATED 03/05/01**

Technical Service Department