

GRADED ROLLING CONTACT ROCKER ARMS

FOR BMW VALVETRONIC
AND PSA PRINCE ENGINES

TECHNICAL INFO NO. 1007

VEHICLE MANUFACTURER:

BMW, Mini, Citroën, Peugeot

OE-NO./ITEM NO.:

BMW:	PSA:	RUVILLE-NO.:
11 33 7 559 792	0903.H3	235006
11 33 7 559 793	0903.H5	235007
11 33 7 559 794	0903.H6	235008
11 33 7 559 795	0903.H7	235009
11 33 7 559 796	0903.H8	235010

You can find current vehicle classifications in our catalogue.

In BMW Valvetronic 6-cylinder petrol engines and PSA 4-cylinder Prince engines, graded rocker arms are fitted on the intake valve side and (on Prince engines only) on the outlet valve side and are identified with a number referring to its size. We have five different rocker arms, each marked with a code (see Image 2).

IMPORTANT NOTE!

The rocker arm must be replaced with a genuine part. Note the specifications of the vehicle manufacturer!

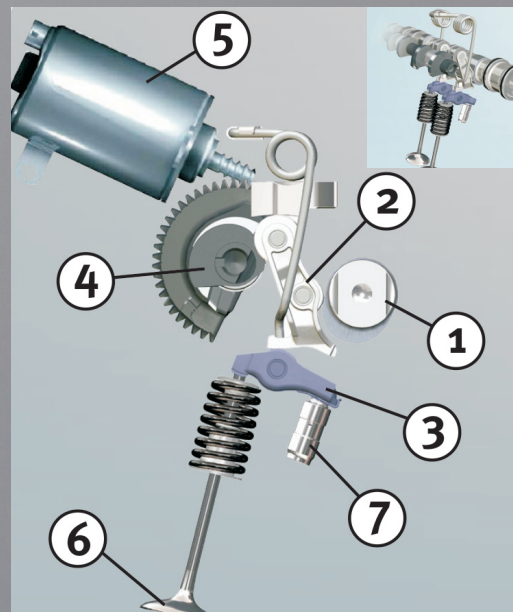


Image 1:
System over-
view for BMW
Valvetronic/
Detailed view
of system
components



Image 2: Rolling contact rocker arm
marking

Technical background for Valvetronic engines (Image 1):

In this case the intake valve assumes the functions of the throttle valve and is not driven directly by the camshaft (1) but via an intermediate arm (2). Image 2: Rolling contact rocker arm marking. The intermediate arm (2), which is also classified, contains a rolling element in the centre on which the cams run. The lower end sits on the rolling element of the rocker arm (3) with hydraulic compensating element (7). At the top, the arm (2) is connected to an eccentric shaft (4) via a second rolling element. An electric motor (5) rotates the eccentric shaft (4) according to the driver's required load status. The intermediate arm (2) transfers the rotation of the cams to the valve (6), depending on the position of the eccentric element. Variable adjustment of the system is carried out on the basis of the engine speed and the position of the accelerator. With PSA Prince engines, the intermediate arm function is omitted.



INFORMATION

The corresponding spare parts can be found in our online catalogue at www.ruville.de

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