



MODEL

F22 (2 Series Coupe)	F23 (2 Series Convertible)	F30 (3 Series Sedan)	F31 (3 Series Sport Wagon)
F32 (4 Series Coupe)	F33 (4 Series Convertible)	F34 (3 Series Gran Turismo)	F36 (4 Series Gran Coupe)

With B58 engine

INFORMATION

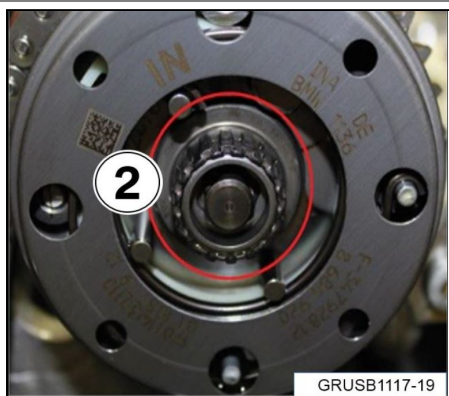
The VANOS central bolt/valve, adjusters and camshafts have been modified as of August 2017.

Parts descriptions in the Electronic Parts Catalog (EPC) have been modified to indicate the difference between the early design (1) and the later design (2).



Central Valve VANOS Short (1) produced before 8/2017 with 22mm hex head.

Or



VANOS Central Valve (2) produced after 8/2017 with splined head requiring special tool P/N 83 30 2 450 487.

Cylinder head replacement on vehicles produced before 8/2017:

1. Always enter the VIN number of the vehicle when selecting parts from EPC.
2. If the cylinder head with valve gear P/N 11 12 8 482 779 is installed on a vehicle produced before 7/2017 production then the following must be performed to avoid assembly issues and faults stored in the DME fault memory.

- The vehicles integration level needs to be 17-07-500 or higher. Program the vehicle as needed.

- Install cylinder head cover and profile gasket P/N 11 12 7 645 173
- Install adjustment unit inlet camshaft (VANOS Gear) P/N 11 36 8 684 920
- Install adjustment unit outlet camshaft (VANOS Gear) P/N 11 36 8 684 921
- Install two (both) VANOS central valves P/N 11 36 8 696 446

New or remanufactured engine replacement on vehicles produced before 8/2017:

1. Always enter the VIN number of the vehicle when selecting parts from EPC.
2. If the engine is being replaced on a vehicle produced before 7/2017 then the cylinder head cover index number must be read.



If the cylinder head cover index number is **08 or lower** then take no further action and install the engine.



If the cylinder head cover index number is **09 or higher** than the vehicles integration level needs to be 17-07-500 or higher. Program the vehicle as needed.

Note: Index 09 signifies the replacement engine is already fitted with the later design VANOS parts.

PARTS INFORMATION

Always enter the VIN number of the vehicle when selecting parts from EPC. The current version of ETK is correct.

WARRANTY INFORMATION

Not applicable.