

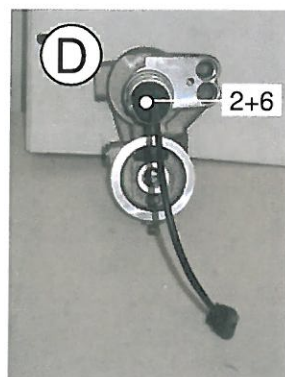
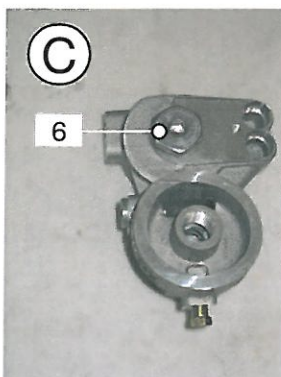
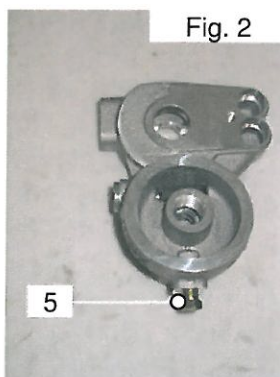
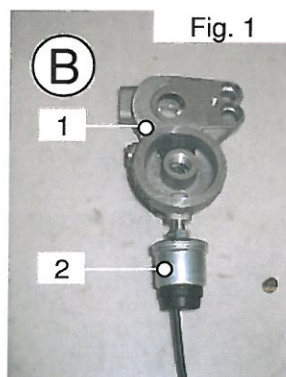
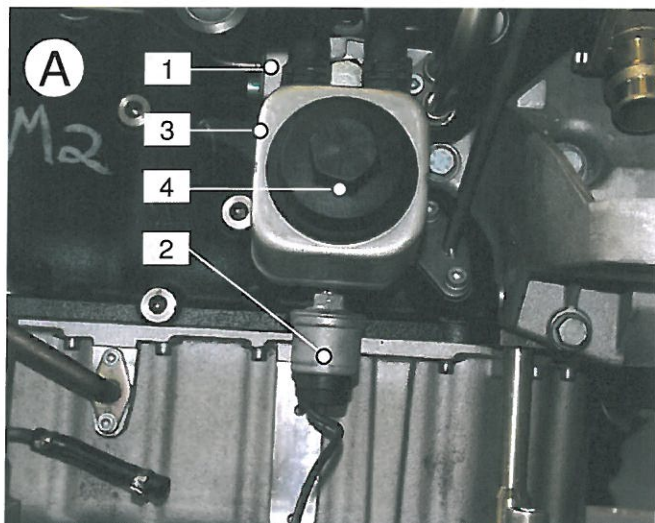
B 2.2 Engine, Installation, Accessories

Group	Number	Version
B 2.2	smc-07-88 vwm-07-08	01

Retrofitting of 150hp 5-cyl. TDI engine by replacing the oil cooler

If you are going to retrofit the 150hp 5-cyl. engine, please use only spare parts stated below:

Part number	Name
065 201 292	Oil pressure sensor
WHT 001 318	Locking screw
WHT 001 170	Hollow lock screw
N 043 854.3	Gasket
038 117 170 B	Flat seal
038 117 021 B	Oil cooler
065 121 057 J	Cooler tube
065 121 057 H	Cooler tube
N 020 903.6	Cable strap (2x)
074 115 441 B	Plate sealing



Operational procedure:

- A) Unscrew the holder of the oilcooler -1- along with the oil pressure sensor -2-, oil cooler -3- and oil cooler cap -4- from the engine.
- B) Unscrew the oil pressure sensor -2- from the oil cooler holder (Fig. 1) and screw the locking screw -5- into the thread (Fig. 2) (25Nm)(part number WHT 001 318).
- C) Replace hollow screw -6- (part number WHT 001 904) by hollow screw with part number WHT 001 170 (100Nm).
- D) Screw oil pressure sensor -2- (part number 065 201 292) into hollow screw -6-.

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Operational procedure:

- E) Replace previously installed oil cooler by oil cooler -3.1- with part number 117 021 B. Insert gasket -7- with part number 038 117 170 B into the oil cooler (fig. 1).^{*} Insert plate sealing with part number 074 115 441 B between engine and oil cooler holder. Note the colour coding (yellow = left) and screw together the oil cooler cap -4- with the oil cooler holder -1- and torque both down with 30Nm (Fig. 2).
- F) Replace the existing cooler tubes with part numbers 065 121 057 C and 065 121 057 D by cooler tubes with part numbers 065 121 057 H -8- and 065 121 057 J -9-.
Attach cooler tube -8- to oil cooler and crank case and cooler tube -9- to oil cooler and cooling system
Use existing steel clamps N 906 869 01(3x), N 909 264 01(1x)
- G) Fix cooler tubes with cable strap (part number N 020 903.6) on oil pipe (Fig.3) and connect both cooler tubes jointly by a second cable strap. (Fig. 4)

* Note:

- ◆ Brush contact area between oil cooler and oil cooler holder outside of gasket with sealing compound AMV 188 100 02.
- ◆ Look out for free access to surrounding components

