

VKPC 81625/81635

Technical Bulletin - January 2011



Audi A4, A6, A8, Allroad / Skoda Superb / VW Passat



Two different water pumps with very similar designs are existing for 2.5 Tdi engines: VKPC 81625 and VKPC 81635, see below for detailed applications.

Applications VKPC 81625

CAR MANUFACTURER	MODEL	ENGINE	ENGINE CODES
AUDI	A4 (8D2, 8D5)	2.5 TDI 150 HP	AFB
AUDI	A6 (4B, C5)	2.5 TDI 150 HP	AFB
AUDI	A6 (4B, C5)	2.5 TDI 150 HP	AKN (Up to Ch. 4B-X-037 000)
AUDI	A8 (4D2, 4D8)	2.5 TDI 150 HP	AFB
AUDI	A8 (4D2, 4D8)	2.5 TDI 150 HP	AKN (Up to Ch. 4D-X-005 000)
VW	Passat (3B2, 3B5)	2.5 TDI 150 HP	AFB

Applications VKPC 81635

CAR MANUFACTURER	MODEL	ENGINE	ENGINE CODES
AUDI	A4 (8D2, 8D5)	2.5 TDI 150 HP	AKN
AUDI	A4 (8E2, 8E5)	2.5 TDI 163 HP	BCZ, BDG, BFC
AUDI	A4 (8E2, 8E5)	2.5 TDI 155 HP	AYM
AUDI	A6 (4B, C5)	2.5 TDI 150 HP	AKN (From Ch. 4B-X-037 001)
AUDI	A6 (4B, C5)	2.5 TDI 155 HP	AYM
AUDI	A6 (4B, C5)	2.5 TDI 163 HP	BCZ, BDG, BFC
AUDI	A6 (4B, C5)	2.5 TDI 180 HP	AKE, BAU, BDH, BND
AUDI	A8 (4D2, 4D8)	2.5 TDI 150 HP	AKN (From Ch. 4D-X-005 001)
AUDI	A8 (4D2, 4D8)	2.5 TDI 180 HP	AKE
AUDI	ALLROAD (4BH)	2.5 TDI 163 HP	BCZ
AUDI	ALLROAD (4BH)	2.5 TDI 180 HP	AKE, BAU
SKODA	SUPERB (3U4)	2.5 TDI 155 HP	AYM
SKODA	SUPERB (3U4)	2.5 TDI 180 HP	BDG
VW	Passat (3B)	2.5 TDI 150 HP	AKN
VW	Passat (3B)	2.5 TDI 163 HP	BDG
VW	Passat (3B)	2.5 TDI 180 HP	BAU, BDH



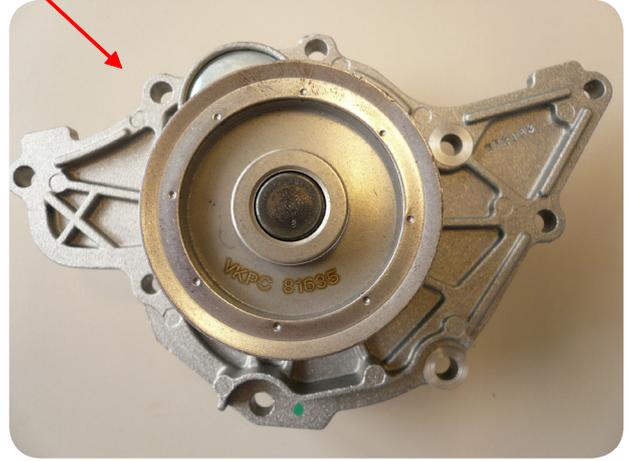
Both water pumps have a very similar external design, but with internal differences. They should not be interchanged between the applications specified on previous page.



VKPC 81625

OE # 059 121 004 C

- Bearing diameter: 30 mm
- Water pump shaft diameter: 16 mm



VKPC 81635

OE # 059 121 004 E

- Bearing diameter: 34 mm
- Water pump shaft diameter: 12 mm

Corresponding timing belt kits :

- VKMA 01151 / VKMA 01152 (Kits without hydraulic damper)
- VKMA 01951 / VKMA 01952 (Kits with hydraulic damper)
- VKMC 01951 (kit with hydraulic damper + water pump VKPC 81625)
- VKMC 01952 (kit with hydraulic damper + water pump VKPC 81635)





Always follow the SKF fitting instructions supplied in VKMA or VKMC kits. The automatic tensioner and hydraulic piston requires a precise setup.

Technical guidelines:

- Check that the pivot lever is in contact with the axis pin behind the roller.

CORRECT



INCORRECT



- Turn tensioner clockwise using an Allen key and slightly compress piston, remove the piston retaining pin and allow the piston to fully extend. Adjust the tensioner using a Dynometric (Torque) wrench.

Anti-clockwise set at 15 Nm.



Torque the tensioner fastening bolt to 42 Nm.

