



# VKM 31034

Technical Bulletin - May 2009



AUDI A4, A4 Avant, A6, A6 Avant  
VW Passat, Passat Variant



VKM 31034 Fitting recommendations



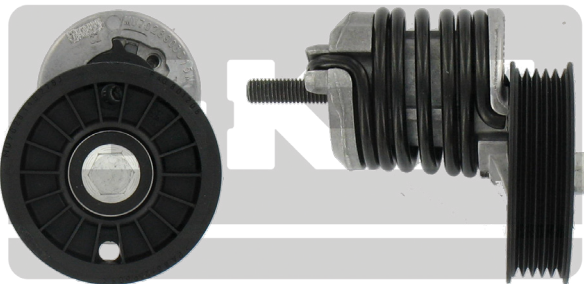
VKM 31034: OE # 028 903 315 M

CAR MAKER	MODEL	ENGINE	ENGINE CODES
AUDI	A4 / A4 Avant (8D2, B5) A6 / A6 Avant (4B, C5)	1.9 TDi , 1.9 TDi Quattro, 1.9 TDi	AFF, 1Z, AHH, AHU, AFN, AVG, AFN, AVG
VW	Passat (3B2) Passat variant (3B5)	1.9 TDi , 1.9 TDi Syncro- 4 motion	AHH, AHU, AFN, AVG AHH, AHU, AFN, AVG

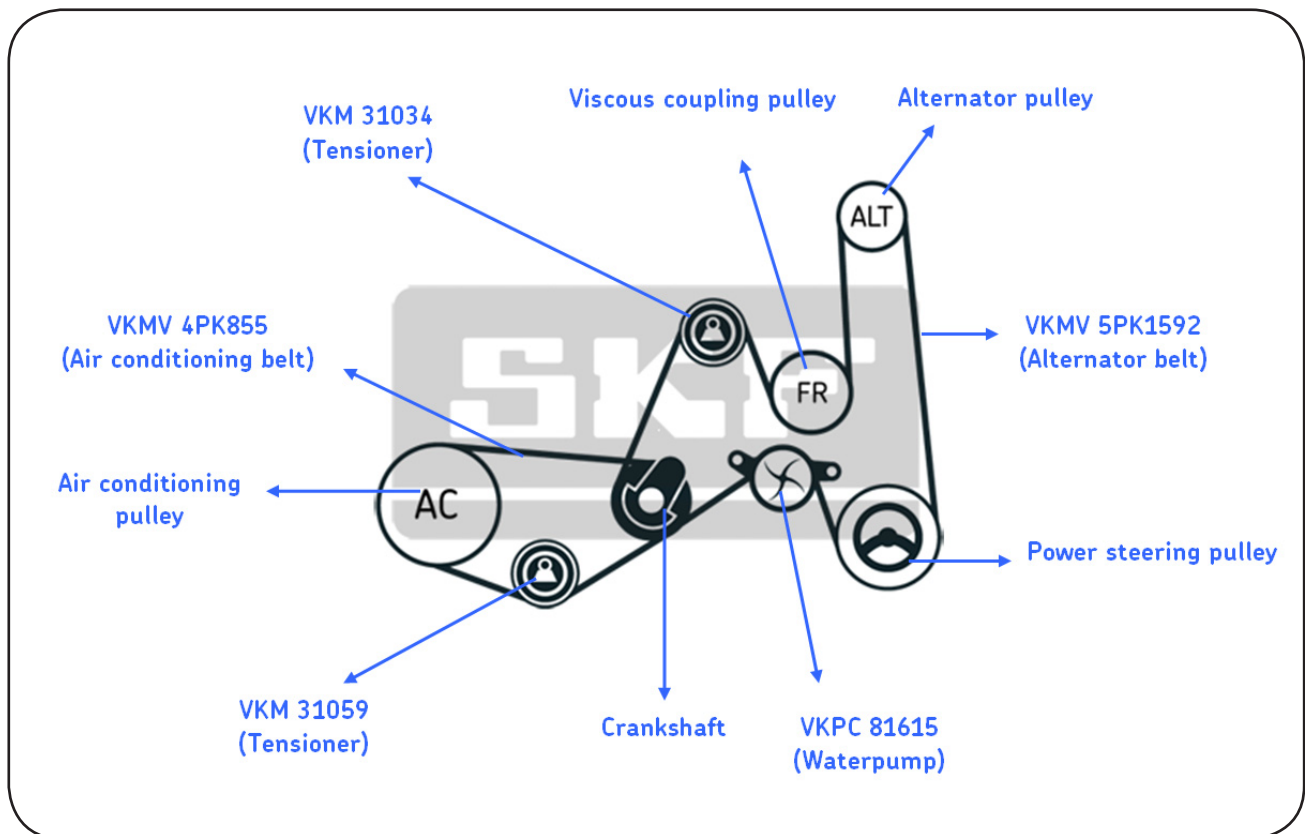
When servicing the accessory drive system, it is very important to change the tensioner and the drive belt. With SKF you get a belt that is the same length as the OE (the belt is sold separately), which reduces the risk of breakage further down the road.

The tensioner (VKM 31034) contains two parts - a plastic idler and a spring mounted together.

## VKM 31034



# VKM 31034 System layout



The layout diagram above shows that all of the components (ALT, PS and AC) are driven by the auxiliary belts. That's why we strongly recommended fitting the **exact OE belt length** when servicing the auxiliary drive system!

# VKM 31034 Fitting instructions

1) The tensioner is supplied in a low tension position, without a locking pin or tools.



2) Install the tensioner on the alternator bracket – ensure the locking tab locates for correct installation. Tighten the retaining bolt to 45 Nm.



3) Set the tensioner to its max tension position and lock this position with a locking tool or pins.

4) Mount the belt onto the plastic idler and remove the locking tool to apply tension to the system.



The belt length is very important at this stage as it sets the overall system tension. Always fit the OE length belt to avoid future breakdowns!



5) To check if the correct tension has been applied, check the tensioner guide (as shown opposite).



**Remember:** The correct tension of VKM 31034 is set by using the exact belt length.



These steps should be handled with caution as very high tension is applied to the system. Serious injury may result if not handled correctly!



For a professional repair, when changing the VKM 31034, do not take any risk and change all of the auxiliary components included in our following VKMA kits:

Applications without AC	Applications with AC
VKMA _____	VKMA _____
VKMV 5PK1592 (position ALT)	VKMV 5PK1592 (position ALT)
VKM 31034 (position ALT)	VKM 31034 (position ALT)
	VKMV 4PK855 (position AC)
	VKM 31059 (position AC)

The OE belt length is key to ensure a good quality repair and performance from the auxiliary system! The wrong belt length (shorter or longer) could lead to premature failure of the complete auxiliary system.

To install confidence and avoid future claims – service the auxiliary drive system with the complete VKMA auxiliary kit!

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