



VKM 31012 – VKMA 31014

Technical Bulletin - January 2012



AUDI, SEAT, SKODA, VW



Fitting recommendations



OE #: 038 903 315 C

CAR MAKER	MAIN MODEL	ENGINE	ENGINE CODES
AUDI	A3	1.9 TDI	AGR, AHF, ALH, ASV
SEAT	Cordoba, Ibiza III, Leon I, Toledo II	1.9 TDI	AGR, AHF, ALH, ASV
SKODA	Octavia I	1.9 TDI	AGR, AHF, ALH, ASV
VW	Bora, Caddy II, Golf IV, New Beetle, Polo	1.9 TDI	AGR, AHF, ALH, ASV

For detailed applications, please refer to the latest SKF catalogue.

On the above listed applications; the VKM 31012 auxiliary tensioner casting could break close to the lower fixing point of the hydraulic piston. The likely root causes for this could be:

- A worn free alternator pulley (FAP).
- Low-cost, replacement alternators equipped with a simple solid pulley.
- Vehicle applications listed before 07/1998, equipped with a solid alternator pulley.

In the above 3 cases, the tensioner tries to compensate for the missing FAP function and is subjected to excessive vibration. The tensioner has not been designed to work in such extreme conditions and therefore the tensioner bracket breaks close to the hydraulic piston lower mount.

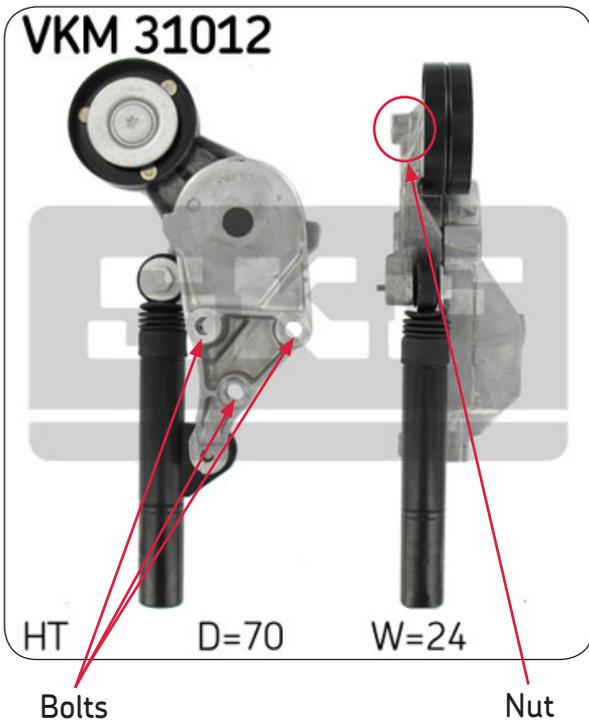
SKF Solution



SKF strongly recommends changing the complete accessory system – the SKF kits listed below include the accessory belt, tensioner and FAP:

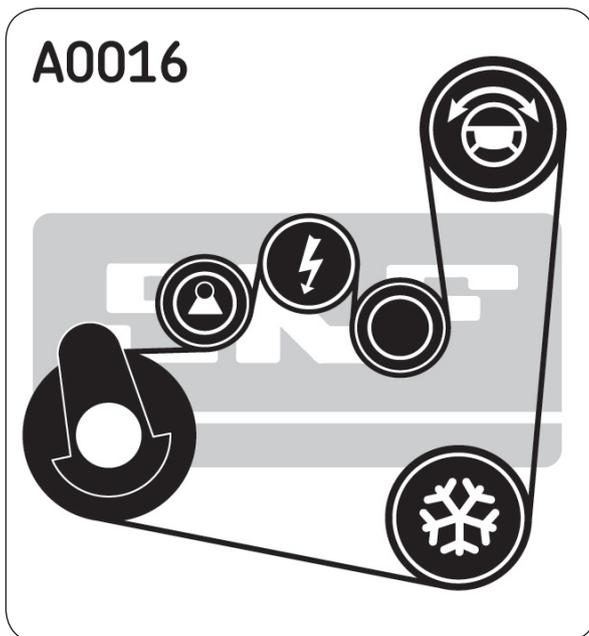
- VKMAF 31014-1: VKMA 31014 + FAP VKM 03101
- VKMAF 31014-2: VKMA 31014 + FAP VKM 03100





FITTING RECOMMENDATIONS

- 1) Release the tension from the multi-v belt by attaching the correct size tool, to the captive nut on the back of the VKM 31012 tensioner (see picture). Then remove the belt from the system. Remove the 3 retaining bolts and dismount the tensioner.
- 2) Refit the new tensioner, taking care that all retaining bolts are torqued to the vehicle manufacturers guidelines before releasing the tension. **Always** fit a **new** belt, never reuse the old one!



For a complete and professional repair - do not take any risks! Change all of the associated auxiliary components included in the SKF VKMAF 31014-1 and VKMAF 31014-2 kits!

To reduce the risk of a future breakdown, always carry out this procedure when servicing the timing belt system.

	Component	Tightening torque
	VKM 03100	80 Nm
	VKM 03101	80 Nm
	Tensioner bolts	25 Nm
	Idler bolt	25 Nm

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