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Technical Bulletin

VAG Timing System Replacement Intervals

GATES REFERENCE:

Various.

MAKE:

AUDI, SEAT, SKODA, VOLKSWAGEN

MODEL:

All

ENGINE:

All

ENGINE CODE:

All



Over the past months and years, we have seen many changes in the timing belt replacement intervals recommended by the different makes belonging to the Volkswagen group, so we have therefore prepared an overview of the current situation.

Gates has for many years been promoting the simultaneous replacement of belts, tensioners and idlers, thus ensuring a complete overhaul of the drive system, resulting in trouble free performance for another service period.

We notice that also the car manufacturers are now considering this 'good practise', and that they are offering OES kits for full timing system replacement. They have started including the replacement of the tensioners also in their service recommendations. This is as well the case for VAG, so these data are included in the attached files.

Please note that these replacement intervals are the OE recommendations for the maximum mileage of the drive.

A quicker change can be required when the car is used in adverse conditions, such as very sporty driving, extreme temperatures (*), sand and gravel, running a lot on idle speed (taxis, delivery vans etc), frequent stops, always driving short distances, etc. VAG therefore advises to check the condition of the components at every major service.

Do remember that the engine needs to be at room temperature before installation, and precise follow up of the OE installation recommendations is strongly advised.

We also recommend that you always check the latest OE information on replacement intervals.

For a correct identification of Gates Belts and Kits related to the VAG engines, please consult our web catalogue at www.gatesautocat.com

See also Technical Bulletin # 002, 007, 010, 011, and 012 for further information on specific VAG models.

(*) e.g. For prolonged exposure to temperatures above 26 °C or below -6 °C, the change interval is reduced from 5 to 4 years.

Visit our web catalogue : www.gatesautocat.com

Model	Engine/Body type	Engine code	Model year	Change Interval (KM)		Remarks
				BELT	TENSIONER	
VW DIESEL						
BEETLE	1.9 SDI/TDI	AGP/AGR/AHF/ALH/AQM/ASV	-> 2001	90.000		Also change idler
		AGP/AGR/AHF/ALH/AQM/ASV	2002	120.000	120.000	
		AGP/AGR/AHF/ALH/AQM/ASV	2003 ->	150.000		
	1.9 TDI PUMP NOZZLE	AJM	-> 2000	60.000	60.000	
		AJM	2001 ->	90.000	90.000	
		ARL/ASZ/ATD/AUY/AXR	-> 2003	90.000	90.000	
		ARL/ASZ/ATD/AXR/BEW	2004 ->	120.000	240.000	
BORA	1.9 SDI/TDI	AGP/AGR/AHF/ALH/AQM/ASV	-> 2001	90.000		Also change idler
		AGP/AGR/AHF/ALH/AQM/ASV	2002	120.000	120.000	
		AGP/AGR/AHF/ALH/AQM/ASV	2003 ->	150.000		
	1.9 TDI PUMP NOZZLE	AJM	-> 2000	60.000	60.000	
		AJM	2001 ->	90.000	90.000	
		ARL/ASZ/ATD/AUY/AXR	-> 2003	90.000	90.000	
		ARL/ASZ/ATD/AXR/BEW	2004 ->	120.000	240.000	
CADDY	1.9 SDI/TDI	AEY/AFN/AHB/AHU/ALE	-> 2001	90.000		Also change idler
		AGP/AGR/ALH/AQM/ASK/ASV/AYQ	2002	120.000	120.000	
		AGP/AGR/ALH/AQM/ASK/ASV/AYQ	2003 ->	150.000		
	2.0 SDI	BJB		120.000	240.000	
		BDJ		120.000	240.000	
				120.000	240.000	
FOX	TDI PUMP NOZZLE (1.2 / 1.4)	AMF/ANY/AYZ	-> 2000	60.000	60.000	
		AMF/ANY/AYZ	2001 ->	90.000	90.000	
	TDI PUMP NOZZLE (1.4 / 1.9)	AXR/BAY	-> 2003	90.000	90.000	
		AMF/ASZ/ATD/AXR/BAY/BLT/BNM/BNV	2004 ->	120.000	240.000	
	1.7 SDI	AHG/AKU	-> 2000	60.000		
	AHG/AKU	2001 ->	90.000			
GOLF III	1.9 SDI	AEY		90.000		Also change crankshaft bolt
	1.9 TDI	AFN/AHU/ALE/1Z		90.000		Also change crankshaft bolt
GOLF IV	1.9 SDI/TDI	AGP/AGR/AHF/ALH/AQM/ASV	-> 2001	90.000		Also change idler
		AGP/AGR/AHF/ALH/AQM/ASV	2002	120.000	120.000	
		AGP/AGR/AHF/ALH/AQM/ASV	2003 ->	150.000		
	1.9 TDI PUMP NOZZLE	AJM	-> 2000	60.000	60.000	
		AJM	2001 ->	90.000	90.000	
		ARL/ASZ/ATD/AUY/AXR	-> 2003	90.000	90.000	
	ARL/ASZ/ATD/AXR/BEW	2004 ->	120.000	240.000		
GOLF V	1.9 TDI / 2.0 SDI / 2.0 TDI	AVQ/AZV/BDK/BJB/BKC/BKD/BLS/BMM/BRU		120.000	240.000	
GOLF PLUS	1.9 TDI / 2.0 SDI / 2.0 TDI	AVQ/AZV/BDK/BJB/BKC/BKD/BLS/BMM/BRU		120.000	240.000	
JETTA	1.9 TDI / 2.0 TDI	AZV/BKC/BKD	2006-	120.000	240.000	
LT 1	6 Cylinder Diesel	ACL/ACT/DV/DW		120.000	120.000	
LT 2	5 Cylinder SDI	AGX	1997-1999	67.500		Also change belt and tensioner of injection pump
		AGX	2000-	90.000		Also change belt and tensioner of injection pump
	5 Cylinder TDI	AHD/ANJ/APA/AVR/BBE/BBF		135.000		Also change belt and tensioner of injection pump

Model	Engine/Body type	Engine code	Model year	Change Interval (KM)		Remarks
				BELT	TENSIONER	
LUPO	TDI PUMP NOZZLE (1.2 / 1.4)	AMF/ANY/AYZ	-> 2000	60.000	60.000	
		AMF/ANY/AYZ	2001 ->	90.000	90.000	
	TDI PUMP NOZZLE (1.4 / 1.9)	AXR/BAY	-> 2003	90.000	90.000	
		AMF/ASZ/ATD/AXR/BAY/BLT/BNM/BNV	2004 ->	120.000	240.000	
	1.7 SDI	AHG/AKU	-> 2000	60.000		
AHG/AKU		2001 ->	90.000			
PASSAT -> 2005	1.9 TDI 1.9 TDI PUMP NOZZLE	AFN/AHH/AHU/AVG/1Z		90.000		
		AJM	-> 2000	60.000	60.000	
		AJM	2001 ->	90.000	90.000	
	2.0 TDI PUMP NOZZLE 2.5 TDI V6	ATJ/AVB/AVF/AWX	-> 2003	90.000	90.000	
		AVB/AVF/AWX	2004-2005	120.000	240.000	
		BGW/BHW		120.000	240.000	
	BAU/BDG/BDH		120.000	120.000		
PASSAT 2006 ->	2.0 TDI PUMP NOZZLE	BKC/BKP/BLS/BMA/BMP/BMR/BVE		120.000	240.000	
POLO	TDI PUMP NOZZLE (1.2 / 1.4)	AMF/ANY/AYZ	-> 2000	60.000	60.000	
		AMF/ANY/AYZ	2001 ->	90.000	90.000	
	TDI PUMP NOZZLE (1.4 / 1.9)	AXR/BAY	-> 2003	90.000	90.000	
		AMF/ASZ/ATD/AXR/BAY/BLT/BNM/BNV	2004 ->	120.000	240.000	
	1.7 SDI	AHG/AKU	-> 2000	60.000		
		AHG/AKU	2001 ->	90.000		
	1.9 SDI	AGD/ASX		90.000		
		ASY	-> 2002	120.000	120.000	Also change idler
	ASY	2003 ->	150.000			
POLO CLASSIC	1.7 SDI 1.9 SDI/TDI	AKW		60.000		
		AEY/AFN/AHB/AHU/ALE		90.000		
	AGP/AGR/ALH/AQM/ASK/ASV/AYQ	-> 2001	90.000			
		2002 ->	120.000	120.000	Also change idler	
POLO VARIANT	1.7 SDI 1.9 SDI/TDI	AKW		60.000		
		AEY/AFN/AHB/AHU/ALE		90.000		
	AGP/AGR/ALH/AQM/ASK/ASV/AYQ	-> 2001	90.000			
		2002 ->	120.000	120.000	Also change idler	
SHARAN	1.9 TDI 1.9 TDI PUMP NOZZLE (90, 100, 115 HP)	AFN/AHU/AVG/1Z		90.000		
		ANU/AUY	-> 2003	60.000	60.000	
	1.9 TDI PUMP NOZZLE (130/150 HP) 2.0 TDI PUMP NOZZLE	ASZBTB	2004 ->	90.000	180.000	
		BRT		90.000	180.000	
			2006 ->	90.000	180.000	
TARO	2.4	2L		100.000		
TOURAN	1.9 TDI / 2.0 SDI / 2.0 TDI	AVQ/AZV/BDK/BJB/BKC/BKD/BLS/BMM/BRU		120.000	240.000	
TRANSPORTER	TYPE 3 TYPE 4 4 CYLINDER TYPE 4 5 CYLINDER	ABL/1X	1990-2003	120.000		
		AAB/AJA	1990-2000	120.000	120.000	
	TYPE 4 5 CYLINDER TDI TYPE 5 1.9	ACV/AHY/AJT/AUF/AXG/AXL/AYC/AYY	1994-	120.000		
		AXB/AXC	2003-	90.000	180.000	Also change belt and tensioner of injection pump
VENTO	1.9 SDI	AEY		90.000		
	1.9 TDI	AFN/AHU/ALE/1Z		90.000		
OTHER MODELS / ENGINES				90.000		

Model	Engine/Body type	Engine code	Model year	Change Interval (KM)		Remarks
				BELT	TENSIONER	
VW PETROL						
BEETLE	1.8 20V	AGN/AGU/AQA/ARZ/AVC/AUM/AUQ/AWU		180.000		
BORA	1.8 20V	AGN/AGU/AQA/ARZ/AVC/AUM/AUQ/AWU		180.000		
GOLF IV	1.8 20V	AGN/AGU/AQA/ARZ/AVC/AUM/AUQ/AWU		180.000		
GOLF V	2.0 FSI/TFSI	AXW/AXX/BLR/BLX/BLY/BPY/BWA		180.000		
GOLF PLUS	2.0 FSI/TFSI	AXW/AXX/BLR/BLX/BLY/BPY/BWA		180.000		
PASSAT	1.8 20V 2.0 20V 2.8 V6 2.0 FSI/TFSI	ADR/AEB/ANB/APT/APU/ARG ADR/AEB/ANB/APT/APU/ARG/AWM/AWT ALT ACK/ALG/AMX/APR/AQD/ATQ AXW/AXX/BLR/BLX/BLY/BPY/BWA	1997-1999 2000-2005 1998-2005 2006-	120.000 180.000 180.000 120.000 180.000	120.000	
PHAETON	4.2 V8	BGH/BGJ		120.000	120.000	
SHARAN	1.8 20V	AJH/AWC		180.000		
TOUAREG	4.2 V8	AXQ		120.000	120.000	
TOURAN	2.0 FSI/TFSI	AXW/AXX/BLR/BLX/BLY/BPY/BWA		180.000		
TRANSPORTER	TYP 5 2.0	AXA	2003-	180.000		
OTHER MODELS / ENGINES				As required		
AUDI DIESEL						
A2	3 CYL TDI	AMF/ANY ATL/BHC	2004-	90.000 120.000	90.000 120.000	
A3	1.9 TDI 1.9 TDI PUMP NOZZLE 2.0 TDI PUMP NOZZLE	AGR/AHF/ALH AGR/AHF/ALH/ASV AGR/AHF/ALH/ASV AGR/AHF/ALH/ASV ASZ/ATD/AXR BKC/BLS AZV/BKD	-> 1999 2000-2001 2002 2003 -> 2003 2004 -> 2004 ->	60.000 90.000 120.000 150.000 90.000 120.000 120.000	60.000 90.000 120.000 150.000 90.000 120.000 120.000	

Model	Engine/Body type	Engine code	Model year	Change Interval (KM)		Remarks
				BELT	TENSIONER	
A4	1.9 DI 1.9 TDI	AFF		90.000	90.000	
		AHH	-> 1999	60.000	60.000	
	AFN/AHU/AVG/1Z	-> 1999	90.000	90.000		
	AFN/AHH/AHU/AVG	2000-2001	90.000	90.000		
	1.9 TDI PUMP NOZZLE	AJM/ATJ	-> 2001	90.000	90.000	
		AVB/AVF/AWX	2001-2003	90.000	90.000	
		AVB/AVF/AWX	2004-	120.000	120.000	
2.0 TDI PUMP NOZZLE	BKB/BRB	2005-	120.000	240.000		
		2005-	120.000	240.000		
2.5 TDI V6	AFB/AKE/AKN/AYM	-> 2001	120.000		Also change belt of injection pump	
	AKE/AYM/BAU/BCZ/BDG/BDH/BFC	2001-	120.000		Also change belt and tensioner of injection pump	
A4 CABRIO	1.9 TDI PUMP NOZZLE	AVB/AVF/AWX	2003	90.000	90.000	Also change belt and tensioner of injection pump
		AVB/AVF/AWX	2004-	120.000	120.000	
	2.5 TDI V6	AKE/AYM/BAU/BCZ/BDG/BDH/BFC	2001-	120.000		
A6	1.9 TDI 1.9 TDI PUMP NOZZLE	AFN/AHU/AVG/1Z		90.000	90.000	Also change belt of injection pump Also change belt of injection pump Also change belt and tensioner of injection pump
		AJM/ATJ/AVF/AWX	-> 2003	90.000	90.000	
	AJM/ATJ/AVF/AWX	2004	120.000	120.000		
	2.0 TDI PUMP NOZZLE 136 HP	BLB/BNA/BRE	2005 ->	120.000	120.000	
	2.5 TDI 5 CYL	AAT/AEL	-> 2004	120.000		
2.5 V6 TDI 150 HP	AFB/AKN	-> 2004	120.000			
2.5 V6 TDI 155/163/180 HP	AKE/AYM/BAU/BCZ/BDG/BDH/BFC	-> 2004	120.000			
A8	2.5 V6 TDI 150 HP	AFB/AKN		120.000		Also change belt of injection pump
	2.5 V6 TDI 180 HP	AKE		120.000		Also change belt and tensioner of injection pump
	3.3 V8 TDI	AKF		120.000		
CABRIO	1.9 TDI	AHU/1Z	1995-1999	90.000	90.000	
		AHU	2000	90.000		
80	1.9 TDI	1Z	1987-1995	90.000	90.000	
90	1.9 TDI	1Z	1987-1995	90.000	90.000	
100	2.4 5 CYL	AAS		120.000		Also change belt of injection pump
	2.5 5 CYL	ABP		120.000		Also change belt of injection pump
OTHER MODELS / ENGINES				120.000		

Model	Engine/Body type	Engine code	Model year	Change Interval (KM)		Remarks
				BELT	TENSIONER	
TT	1.8 20V TURBO 180 HP	AJQ/AMK/APP/APY/ARY/AUQ	-> 2000	180.000 / 5 YEARS		
	1.8 20V TURBO 225 HP	APX/BAM AMU/BAM	2001 ->	180.000		
			-> 2000	180.000		
			2001 ->	120.000		
80	4 CYL 8V		1987-1995	120.000		
	2.2/2.3 5 CYL	KV/NG/3B/7A	1987-1995	120.000		
90	4 CYL 8V		1987-1991	120.000		
	2.2/2.3 5 CYL	KV/NG/3B/7A	1987-1991	120.000		
100	4 CYL/5 CYL		1991-1994	120.000		
OTHER MODELS / ENGINES						
SEAT DIESEL						
ALHAMBRA	1.9 TDI	AFN/AHU/AVG/1Z	1996-2000	90.000	90.000	
	1.9 TDI PUMP NOZZLE	ANU/ASZ/AUY	2001-2003	60.000	60.000	
			2004-	90.000	180.000	
ALTEA	1.9/2.0 TDI PUMP NOZZLE	AZV/BKC/BKD/BJB	2004-	120.000	240.000	
AROSA	1.4 TDI PUMP NOZZLE	AMF	2000 -> CH 6HY-017500	60.000	60.000	
			CH 6HY-017501 - 2003	90.000	90.000	
	1.7 SDI	AKU	2004- 1998 -> CH 6HY-017500 CH 6HY-017501 ->	120.000 60.000 90.000	240.000 60.000	
IBIZA	1.4 TDI PUMP NOZZLE	AMF	2002-2003	90.000	90.000	
	1.9 SDI/TDI	AEY/AFN/AHU/1Z AGP/AQM AGR/ALH/ASV AGP/AGR/ALH/ASV/AQM	2004-	120.000	240.000	
			1995-1998	90.000	90.000	
			1999 -> CH 6LY-117719	90.000	90.000	
			CH 6LY-117720 -> 6L1-237879	90.000		
			CH 6LX-400.000 -> 6L1-237879	90.000		
	1.9 SDI	ASY	CH 6L1-237880 -> 6L2-206415	120.000	120.000	Also change idler
CH 6L2-206416-			150.000			
1.9 TDI PUMP NOZZLE	ASZ/ATD/BPX	2002 -> CH 6L3-015058 CH 6L3-015059- 2002-2003 2004-	120.000 150.000 90.000 120.000	120.000 90.000	Also change idler	
CORDOBA	1.4 TDI PUMP NOZZLE	AMF	2002-2003	90.000	90.000	
	1.9 SDI/TDI	AEY/AFN/AHU/1Z AGP/AQM AGR/ALH/ASV AGP/AGR/ALH/ASV/AQM	2004-	120.000	240.000	
			1995-1998	90.000	90.000	
			1999 -> CH 6LY-117719	90.000	90.000	
			CH 6LY-117720 -> 6L1-237879	90.000		
			CH 6LX-400.000 -> 6L1-237879	90.000		
	1.9 SDI	ASY	CH 6L1-237880 -> 6L2-206415	120.000	120.000	Also change idler
CH 6L2-206416-			150.000			
1.9 TDI PUMP NOZZLE	ASZ/ATD/BPX	2002 -> CH 6L3-015058 CH 6L3-015059- 2002-2003 2004-	120.000 150.000 90.000 120.000	120.000 90.000	Also change idler	

Model	Engine/Body type	Engine code	Model year	Change Interval (KM)		Remarks
				BELT	TENSIONER	
INCA	1.7 SDI	AHB	1997-2000	90.000	90.000	Also change idler
	1.9 SDI	AEY	2001 ->	90.000	90.000	
		AYQ	2001 -> CH 6K1-017124	90.000	90.000	
			CH 6K1-017125 -> 6K3-001595 CH 6K3-001596 ->	120.000 150.000	120.000	
LEON	1.9 SDI	AQM	2000 -> CH 1MY-009989	90.000	90.000	Also change idler
	1.9 TDI	AGR/AHF/ALH/AVS	CH 1MY-009990 -> 1M1-072110	90.000		
		AGR/AHF/ALH/AQM/AVS	2000 - CH 1M1-072110	90.000		
	1.9 SDI/TDI		CH 1M1-072111 -> 1M3-014911	120.000	120.000	
	1.9 TDI PUMP NOZZLE	ARL/ASZ	CH 1M3-014912 - 2005	150.000		
1.9/2.0 TDI PUMP NOZZLE	AZV/BKC/BKD/BJB	2001-2003	90.000	90.000		
TOLEDO	1.9 TDI	AFN/AHU/1Z AGR/AHF/ALH/AVS	1995-1998	90.000	90.000	Also change idler
			1999 -> CH 1LY-002609	60.000	60.000	
			CH 1LY-002610 -> 1L1-059365	90.000	90.000	
	CH 1L1-059366 -> 1L3-014911	120.000	120.000			
1.9 TDI PUMP NOZZLE	ASZ/ARL	CH 1L3-014912 - 2004	150.000			
1.9/2.0 TDI PUMP NOZZLE	AZV/BJB/BKC/BKD	2001-2003	90.000	90.000		
		2004-	120.000	240.000		
2005-		120.000	240.000			
VARIO	1.4 TDI PUMP NOZZLE	AMF	2002-2003	90.000	90.000	Also change idler
	1.9 SDI/TDI	AEY/AFN/AHU/1Z AGP/AQM AGR/ALH/ASV AGP/AGR/ALH/ASV/AQM	2004-	120.000	240.000	
			1995-1998	90.000	90.000	
			1999 -> CH 6LY-117719	90.000	90.000	
			CH 6LY-117720 -> 6L1-237879	90.000		
			CH 6LX-400.000 -> 6L1-237879	90.000		
	1.9 SDI	ASY	CH 6L1-237880 -> 6L2-206415	120.000	120.000	
			CH 6L2-206416-	150.000		
2002 -> CH 6L3-015058			120.000	120.000		
1.9 TDI PUMP NOZZLE	ASZ/ATD/BPX	CH 6L3-015059-	150.000			
2002-2003		90.000	90.000			
2004-		120.000	240.000			
OTHER MODELS / ENGINES				90.000		
SEAT PETROL						
ALHAMBRA	1.8 20V	AJH/AWC	1998-	180,000 / 5 YEARS		
ALTEA	2.0 FSI	BLR/BLY	2004-	180,000 / 5 YEARS		
CORDOBA	1.8 20V	AQX/AYP	2000-	180,000 / 5 YEARS		
IBIZA	1.8 20V	AQX/AYP	2000-	180,000 / 5 YEARS		

Model	Engine/Body type	Engine code	Model year	Change Interval (KM)		Remarks
				BELT	TENSIONER	
LEON	1.8 20V 2.0 FSI	BLR/BLY	2000- 2005-	180,000 / 5 YEARS 180,000 / 5 YEARS		
TOLEDO	1.8 20V 2.0 FSI	BLR/BLY	2000-2004 2004-	180,000 / 5 YEARS 180,000 / 5 YEARS		
OTHER MODELS / ENGINES				As required		
SKODA DIESEL						
FABIA	1.4 TDI 1.9 SDI 1.9 TDI	AMF/BNM/BNV ASY ATD ASZ/ATD	 -> 2001 2002 2003- -> 2003 2004-	120.000 90.000 120.000 150.000 90.000 120.000	120.000 120.000 150.000 90.000 120.000	 Also change idler Also change idler
OCTAVIA	1.9SDI/TDI 1.9 TDI (Pump Nozzle) 1.9 TDI (Pump Nozzle), 2.0 TDI (Pump Nozzle)	AGP/AGR/AHF/AQM AGP/AGR/ALH/AQM/ASV AGP/AHF/ALH/AQM/ASV AGP/AHF/ALH/AQM/ASV ASZ/ATD/AVB/AWX ASZ/ATD/AVB/AWX AZV/BJB/BKD/BLS/BXE	-> 06/99 07/99 -> 2001 2002 -> CH 1U2-641072 CH 1U2-641073- -> 2003 2004- 2006-	60.000 90.000 120.000 150.000 90.000 120.000 120.000	60.000 90.000 120.000 120.000	
ROOMSTER	1.4 TDI 1.9 TDI	BMS/BNM/BNV AXR/BLS		120.000 120.000	240.000 240.000	
SUPERB	1.9 TDI (Pump Nozzle) 2.0 TDI (Pump Nozzle) 2.5 V6 TDI	ATD/AVB/AVF/AWX/BSV BSS AYM/BDG	-> 07/03 08/03 ->	90.000 120.000 120.000 120.000	90.000 240.000 120.000 120.000	
ALL OTHERS				As required		
SKODA PETROL						
OCTAVIA I	1,8	AGN/AGU/ARX/ARZ/AUMAQU/AWT		180.000		
OCTAVIA II	2.0	BLR/BLX/BLY/BVX/BVY/BVZ/BWA		180.000		
SUPERB	1,8 2,8	AGN/AGU/ARX/ARZ/AUMAQU/AWT AMX/BBG		180.000 120.000	120.000	
ALL OTHERS					As required	