

INTERFERENCE VERIFICATION CHECK FOR OHC ENGINE

Article Text

1991 Volkswagen Passat
For Volkswagen Technical Site
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Wednesday, August 25, 1999 08:47PM

ARTICLE BEGINNING

Maintenance & Service Information
1974-96 Volkswagen - Timing Belt Information

Cabrio, Cabriolet, Corrado, Dasher, Eurovan (Canadian), Fox, Golf, Golf (Canadian), GTI, GTI (Canadian), Jetta, Jetta GLI, Passat, Passat (Canadian), Pickup, Quantum, Rabbit, Scirocco, Scirocco (Canadian), Transporter (Canadian), Vanagon

TIMING BELT INTERFERENCE VERIFICATION INFORMATION

TIMING BELT INTERFERENCE CAUTION

NOTE: CAMSHAFT DRIVE BELTS OR TIMING BELTS - The condition of camshaft drive belts should always be checked on vehicles which have more than 50,000 miles. Although some manufacturers do not recommend replacement at a specified mileage, others require it at 60,000-100,000 miles. A camshaft drive belt failure may cause extensive damage to internal engine components on most engines, although some designs do not allow piston-to-valve contact. These designs are often called "Free Wheeling". Many manufacturers changed their maintenance and warranty schedules in the mid-1980's to reflect timing belt inspection and/or replacement at 50,000-60,000 miles. Most service interval schedules shown in this section reflect these changes. Belts or components should be inspected and replaced if any of the following conditions exist:

- * Crack Or Tears In Belt Surface
- * Missing, Damaged, Cracked Or Rounded Teeth
- * Oil Contamination
- * Damaged Or Faulty Tensioners
- * Incorrect Tension Adjustment

TIMING BELT INTERFERENCE CHECK MENU

TIMING BELT INTERFERENCE VERIF. TABLE - PASSENGER CARS (1)
AA

Appl i cati on		Engi ne	Replacem ent	Interval (Mi les)
Cabrio				
1995-96	.....	2. 0L 4- Cyl.	.....	(3) 60, 000
Cabriolet				
1985-89	.....	1. 8L 4- Cyl. (DOHC)	.....	(3) 60, 000
		1. 8L 4- Cyl. (SOHC)	(3) 60, 000
1990-93	1. 8L 4- Cyl.	(3) 60, 000
Corrado				
1990-92	1. 8L 4- Cyl.	(3) 60, 000

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Dasher

1976- 80 (2) 1. 5L 4- Cyl. Diesel (3) 60, 000
1974- 80 1. 6L 4- Cyl.	(3) 60, 000
1981- 80 (2) 1. 6L 4- Cyl.	
	Diesel & Turbo Diesel (3) 60, 000

Fox

1987- 93 1. 8L 4- Cyl.	(3) 60, 000
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Golf

1985- 88 (2) 1. 6L 4- Cyl. Diesel	(3) 60, 000
1985- 89 1. 8L 4- Cyl. (DOHC)	(3) 60, 000
1985- 93 1. 8L 4- Cyl. (SOHC)	(3) 60, 000
1990- 92	..... 1. 8L 4- Cyl.	(3) 60, 000
1993- 96	..... 2. 0L 4- Cyl.	(3) 60, 000

Golf (Canadian)

1985- 92	..... (2) 1. 6L 4- Cyl. Diesel	(3) 60, 000
1993	..... 1. 8L 4- Cyl.	(3) 60, 000

GTI

1983- 84	..... (2) 1. 6L 4- Cyl. Diesel	(3) 60, 000
	(2) 1. 6L 4- Cyl. Turbo Diesel	... (3) 60, 000
	1. 7L 4- Cyl.	(3) 60, 000
	1. 8L 4- Cyl.	(3) 60, 000
1985- 89	..... 1. 8L 4- Cyl. (DOHC)	(3) 60, 000
1983- 92	..... 1. 8L 4- Cyl. (SOHC)	(3) 60, 000
1990- 92 1. 8L 4- Cyl.	(3) 60, 000
1990- 96 2. 0L 4- Cyl.	(3) 60, 000

GTI (Canadian)

1993 2. 0L 4- Cyl.	(3) 60, 000
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Jetta

1980 1. 6L 4- Cyl.	(3) 60, 000
1981- 92 (2) 1. 6L 4- Cyl.	
	Diesel & Turbo Diesel (3) 60, 000
1983- 84 1. 7L 4- Cyl.	(3) 60, 000
	1. 8L 4- Cyl.	(3) 60, 000
1985- 89	..... 1. 8L 4- Cyl. (DOHC)	(3) 60, 000
1983- 92	..... 1. 8L 4- Cyl. (SOHC)	(3) 60, 000
1990- 92 1. 8L 4- Cyl.	(3) 60, 000
1993- 96 2. 0L 4- Cyl.	(3) 60, 000

Jetta GLI

1990- 92 2. 0L 4- Cyl.	(3) 60, 000
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Passat

1990- 96 2. 0L 4- Cyl.	(3) 60, 000
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Passat (Canadian)

1993 1. 8L 4- Cyl.	(3) 60, 000
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Quantum

1981- 86 (2) 1. 6L 4- Cyl.	
	Diesel & Turbo Diesel (3) 60, 000
1981- 84 1. 7L 4- Cyl.	(3) 60, 000
1984- 85	..... 2. 1L 5- Cyl.	(3) 60, 000
1983- 88 2. 2L 5- Cyl.	(3) 60, 000
1985- 86 1. 8L 4- Cyl.	(3) 60, 000

Rabbit

1974- 79 1. 5L 4- Cyl.	(3) 60, 000
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		1. 6L 4- Cyl.	(3) 60, 000
1976- 80 (2)	1. 5L 4- Cyl. Diesel	(3) 60, 000
1981- 84 (2)	1. 6L 4- Cyl.	
		Diesel & Turbo Diesel	(3) 60, 000
1983- 84	.....	1. 7L 4- Cyl.	(3) 60, 000
		1. 8L 4- Cyl.	(3) 60, 000
Scirocco			
1976- 79	.....	1. 5L 4- Cyl.	(3) 60, 000
1976- 80	.....	1. 6L 4- Cyl.	(3) 60, 000
1983- 84	.....	1. 7L 4- Cyl.	(3) 60, 000
		1. 8L 4- Cyl.	(3) 60, 000
1985- 89	.....	1. 8L 4- Cyl. (DOHC)	(3) 60, 000
		1. 8L 4- Cyl. (SOHC)	(3) 60, 000
Scirocco (Canadian)			
1989	.....	1. 8L 4- Cyl. (DOHC)	(3) 60, 000
		1. 8L 4- Cyl. (SOHC)	(3) 60, 000

- (1) - Other interference engine applications may exist which are not indicated here.
- (2) - Interference engine. Check for possible damage to piston(s) or valve(s) if there has been a timing belt failure.
- (3) - Although the vehicle manufacturer does not recommend a specific scheduled maintenance interval, aftermarket belt manufacturers suggest the belt be replaced at 60,000 mile intervals.
- (4) - Vehicle manufacturer recommends replacing all belts at the same time.

AA

TIMING BELT INTERFERENCE VERIF. TABLE - LIGHT TRUCKS (1)

AA

Application	Engine	Replacement Interval (Miles)
Eurovan (Canadian)		
1992- 96	..... 2. 5L 5- Cyl.	(3) 60, 000
Pickup		
1980	..... (2) 1. 5L 4- Cyl. Diesel	(3) 60, 000
1980- 83	..... 1. 6L 4- Cyl.	(3) 60, 000
1981- 83	.... (2) 1. 6L 4- Cyl. Diesel	(3) 60, 000
	1. 7L 4- Cyl.	(3) 60, 000
Transporter (Canadian)		
1992- 96	..... 2. 5L 5- Cyl.	(3) 60, 000
Vanagon		
1981- 82	.... (2) 1. 6L 4- Cyl. Diesel	(3) 60, 000

- (1) - Other interference engine applications may exist which are not indicated here.
- (2) - Interference engine. Check for possible damage to piston(s) or valve(s) if there has been a timing belt failure.

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- (3) - Although the vehicle manufacturer does not recommend a specific scheduled maintenance interval, aftermarket belt manufacturers suggest the belt be replaced at 60,000 mile intervals.
- (4) - Vehicle manufacturer recommends replacing all belts at the same time.

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END OF ARTICLE