

INTERFERENCE VERIFICATION CHECK FOR OHC ENGINE

Article Text

1993 Volkswagen Passat

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Wednesday, March 22, 2000 10:18PM

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

| Application | Engine | Replacement Interval (Miles) |
|-------------|--------------------|---------------------------------|
| 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 |
| Dasher | | |

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| | | |
|-------------------|------------------------------|------------------|
| 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 |
| 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 |
| 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 |
| Passat | | |
| 1990-96 | 2.0L 4-Cyl. | (3) 60,000 |
| Passat (Canadian) | | |
| 1993 | 1.8L 4-Cyl. | (3) 60,000 |
| 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 |
| | 1.6L 4-Cyl. | (3) 60,000 |

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| | | | | |
|---------------------|-------|------------------------|-------|------------|
| 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.

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

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| 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.
- (3) - Although the vehicle manufacturer does not recommend a

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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