

MAINTENANCE INFORMATION

Article Text

1996 Volkswagen Golf
For Volkswagen Technical Site
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ARTICLE BEGINNING

1993-96 MAINTENANCE
Volkswagen Maintenance Information

Golf III,
GTI (1995-96),
Jetta III
Cabrio (1995-96)

* PLEASE READ THIS FIRST *

NOTE: For scheduled maintenance intervals and the related fluid capacities, fluid specifications and labor times for major service intervals, see SCHEDULED SERVICES article in this section. Warranty information and specifications for fluid capacities, lubrication specifications, wheel and tire size, and battery type are covered in this article.

MODEL IDENTIFICATION

VIN LOCATION

The Vehicle Identification Number (VIN) is located on the left side of the dash panel at the base of the windshield. The VIN chart explains the code characters.

VIN CODE ID EXPLANATION

Numbers preceding the explanations in the legend below refer to the sequence of characters as listed on VIN identification label. See VIN example below.

UAAA
3 (VIN) W V 2 Y B 0 2 5 5 K H 0 9 9 7 1 7 3
3 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 3
AAU

1 - Manufacturing Country

W * Germany
3 * Mexico
9 * Brazil

2-3 - Manufacturer

VW * Volkswagen

4 - Series

A * 2-Door Base
B * 2-Door Convertible Cabrio (1995-96)
B * 2-Door Hatch Golf III GL (1994-96)
B * 2-Door Hatch Golf III Sport (1995-96)

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F * 4-Door Hatch Golf III GL (1993-96)
H * 2-Door Coupe GTI V6 (1995-96)
J * 4-Door Hatch Golf III City (1995-96)
K * 2-Door Hatch Golf III Base (1995-96)
P * 4-Door Sedan Jetta III Base (1995-96)
R * 4-Door Sedan Jetta III GL (1993-96)
S * 4-Door Sedan Jetta III GLS (1994-96)
T * 4-Door Sedan Jetta III GLX V6 (1994-96)
V * 4-Door Sedan Jetta III City (1995-96)

5 - Engine

A * 2.0L 4-Cyl. SFI 115 HP
B * 2.0L 4-Cyl. SFI 115 HP
D * 2.8L V6 SFI 172 HP

6 - Restraint System

2 * Passive With Manual Lap
8 * Active Driver & Passenger With Driver & Passenger Air Bag

7-8 - Model

1H * Golf III
1H * Jetta III
1H * GTI (1995-96)
1E * Cabrio (1995-96)

9 - VIN Check Digit

2 * Computer Selected Check Number

10 - Vehicle Model Year

P * 1993
R * 1994
S * 1995
T * 1996

11 - Assembly Plant

A * Ingolstadt
B * Brussels
E * Emden
G * Graz
H * Hannover
K * Osnabruk
N * Neckarsulm
P * Brazil
S * Stuttgart
W * Wolfsburg

12-17 - Serial Number

* Sequential Production Number

MAINTENANCE SERVICE INFORMATION

SEVERE & NORMAL SERVICE DEFINITIONS

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NOTE: Use the Severe Service schedule if the vehicle to be serviced is operated under ANY (one or more) of these conditions:

Service is recommended at mileage intervals based on vehicle operation. Service schedules are based on the following primary operating conditions:

Normal Service

- * Driven More Than 10 Miles Daily
- * No Operating Conditions From Severe Service Schedule

Severe Service (Unique Driving Conditions)

- * Short Trips In Freezing Temperatures
- * Towing Or Heavily Loaded
- * Severe Dust Conditions
- * Hot Weather, Stop-And-Go Driving
- * Extensive Idling

CAMSHAFT TIMING BELT

CAUTION: Failure to replace a faulty camshaft timing belt may result in serious engine damage.

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 belt 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 in this manual reflect these changes.

Belts or components should be inspected and replaced if any of the following conditions exist:

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

Inspect timing belt at 20,000 mile intervals. Replace belt as necessary.

SERVICE POINT LOCATIONS

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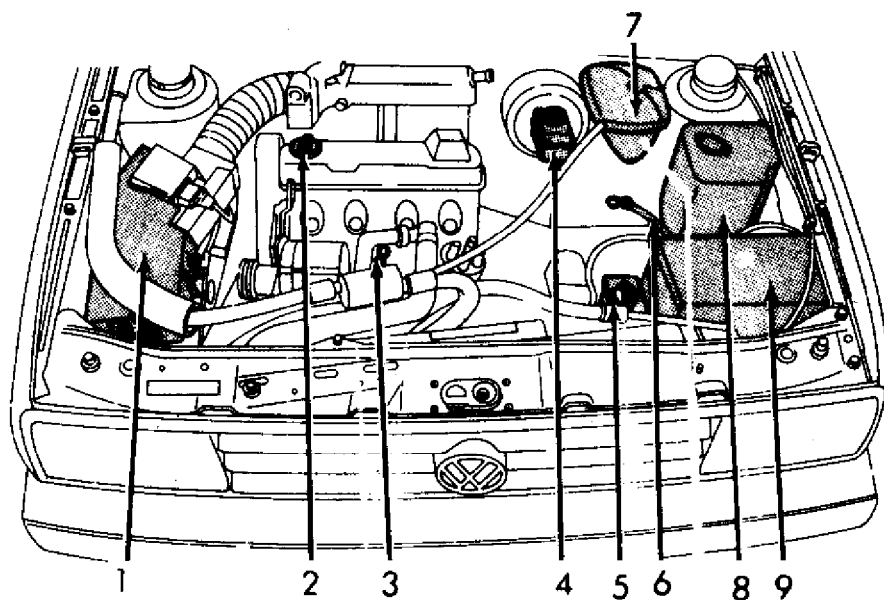
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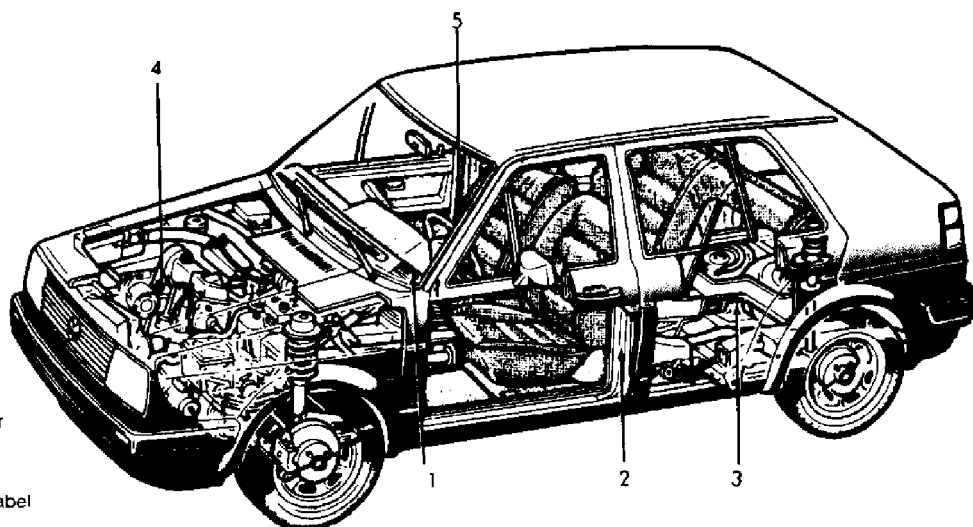
GASOLINE ENGINE

- | | |
|-----------------------------|------------------------------------|
| 1. Air Cleaner | 6. Automatic Transmission Dipstick |
| 2. Engine Oil Filler Cap | 7. Engine Coolant Expansion Tank |
| 3. Engine Oil Dipstick | 8. Windshield Washer Reservoir |
| 4. Brake Fluid Reservoir | 9. Battery |
| 5. Power Steering Reservoir | 10. Diesel Fuel Filter |

93C45783

Fig. 1: Service Point Locations (Gasoline Engine)
Courtesy of Volkswagen United States, Inc.

INFORMATION LABEL LOCATIONS



- | |
|-------------------------------------|
| 1. Vehicle Identification Number |
| 2. Safety Compliance Sticker |
| 3. Vehicle Identification Label |
| 4. Engine Number |
| 5. Tire & Wheel Specification Label |

Fig. 2: Information Label Locations
Courtesy of Volkswagen United States, Inc.

SERVICE LABOR TIMES

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SERVICE LABOR TIMES TABLE (HOURS)

AA			
		15, 000	30, 000 (60, 000)
Application (1) (2) (3)		Mile Service	Mile Service
Gasoline Engine			
Automatic Transmission	1.5	3.2 (4.1)
Manual Transmission	1.7	2.6 (3.5)

- (1) - Add .2 hr. if equipped with A/C.
(2) - Add .1 hr. if equipped with cruise control.
(3) - Add the following times to replace camshaft timing belt.
2.2 hours on engines with air conditioning and 1.8 hours
on engines without air conditioning.

AA

LUBRICATION SPECIFICATIONS

LUBRICATION SPECIFICATIONS TABLE

AA			
Application			
Fluid Specifications			
Engine Oil			
Ambient Temperatures			
Greater Than 50°F (10°C)	SAE 20W-50 API	SF/CD
14° To 50°F (-10°C To 10°C)	SAE 10W-40 API	SF/CD
Less Than 14°F (-10°C)	SAE 5W-30 API	SF/CD
Brake Fluid	SAE J1703 (DOT 3 Or DOT 4)	
Power Steering Fluid	VW Hydraulic Oil	
		(G 002000) Or Equivalent	
Automatic Transmission	Dexron-II E ATF Or Equivalent	
Manual Transmission	Hypoid Gear Oil SAE 75W-90 API	GL-4
AA			

FLUID CAPACITIES

FLUID CAPACITIES TABLE (1)

AA			
Application			
Quantity			
A/C System R-134a Refrigerant (2)			
1993-96	.....	26.5-30	0zs.
Cooling System			
4-Cylinder Engines	.....	5.0-7.0	Qts. (4.8-6.5L)
V6 Engines	.....	9.1	Qts. (8.6L)
Engine Oil (3)			
4-Cylinder Engines	.....	4.3	Qts. (4.0L)
V6 Engines	.....	6.3	Qts. (6.0L)
Fuel Tank	14.5	Gals. (55.0L)
Automatic Transmission	3.2	Qts. (3.0L)
Manual Transmi ssi on	2.0	Qts. (1.9L)

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Final Drive

Differential (A/T) (4) 0.8 Qt. (.75L)

- (1) - Capacities are recommended or calculated levels. Always use dipstick (if available) to measure level.
- (2) - Use of R-12 in a R134a system will result in SEVERE DAMAGE.
- (3) - Includes oil filter change.
- (4) - Lifetime fill.

AA

WHEEL & TIRE SPECIFICATIONS

Wheel and tire sizes vary according to vehicle and equipment and can be found on the tire information label on each vehicle. Wheel and tire specifications and tire inflation pressures are listed on a label found on the right door post for 2-door vehicles and the right rear door post on 4-door vehicles.

NOTE: Snow chains must be used on drive wheels, in pairs only.

WHEEL TIGHTENING

Tighten all wheel lugs to 80 ft. lbs. (110 N.m).

BATTERY SPECIFICATIONS

CAUTION: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See COMPUTER RELEARN PROCEDURES article in the GENERAL INFORMATION section.

All models use BCI group 42 batteries with cold crank rating of 360 amps.

CAUTIONS & WARNINGS

ELECTRIC SHOCK HAZARD

WARNING: Contact with live components of ignition system while engine is running could lead to a fatal electric shock.

BRAKE PEDAL PRESSURE WITH ENGINE NOT RUNNING

CAUTION: Brake pedal requires extreme pressure to stop the vehicle when the engine is not running.

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG SYSTEM)

NOTE: For information on air bag DIAGNOSIS & TESTING or DISPOSAL

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PROCEDURES, see **AIR BAGS** article in the **ACCESSORIES/SAFETY EQUIPMENT** Section.

WARRANTY INFORMATION

CAUTION: Always refer to customer's copy of warranty information for specific model application and/or coverage limitations.

BASIC NEW CAR WARRANTY

The manufacturer warrants that every vehicle imported and sold as a new vehicle to a retail customer will be free of defects in material and workmanship for 2 years or 24,000 miles, whichever comes first, after the date of delivery to the first retail customer, or after the vehicle was first placed in service.

LIMITED POWER TRAIN WARRANTY

Covers the engine, transmission and drivetrain for a period of 5 years or 50,000 miles, whichever occurs first.

ANTI-CORROSION

Covers holes caused by corrosion in body sheet metal for 6 years, without respect to mileage, so long as the inspection and maintenance services are performed.

EMISSION CONTROL SYSTEM (ALL MODELS)

Manufacturer warrants that this vehicle is designed, built, and equipped so as to conform at the time of sale with all U.S. and California Air Resources Board emission regulations applicable at the time of manufacture and that this vehicle is free from defects in materials and workmanship which cause it to fail to conform with applicable regulations within the first 5 years or 50,000 miles, whichever occurs first.

EMISSION CONTROL SYSTEM (CALIFORNIA ONLY)

Vehicles are warranted against failure to conform with applicable standards for 3 years or 50,000 miles, whichever occurs first, under the Performance Warranty. The warranty covers defective emission-related parts for 7 years or 70,000 miles, whichever occurs first.

FUSES & CIRCUIT BREAKERS

The fuse panel is located under the left side of the dash board by the driver's knee on the Jetta. On the Golf and GTI models the panel is located by the driver's right knee, under the dash panel.

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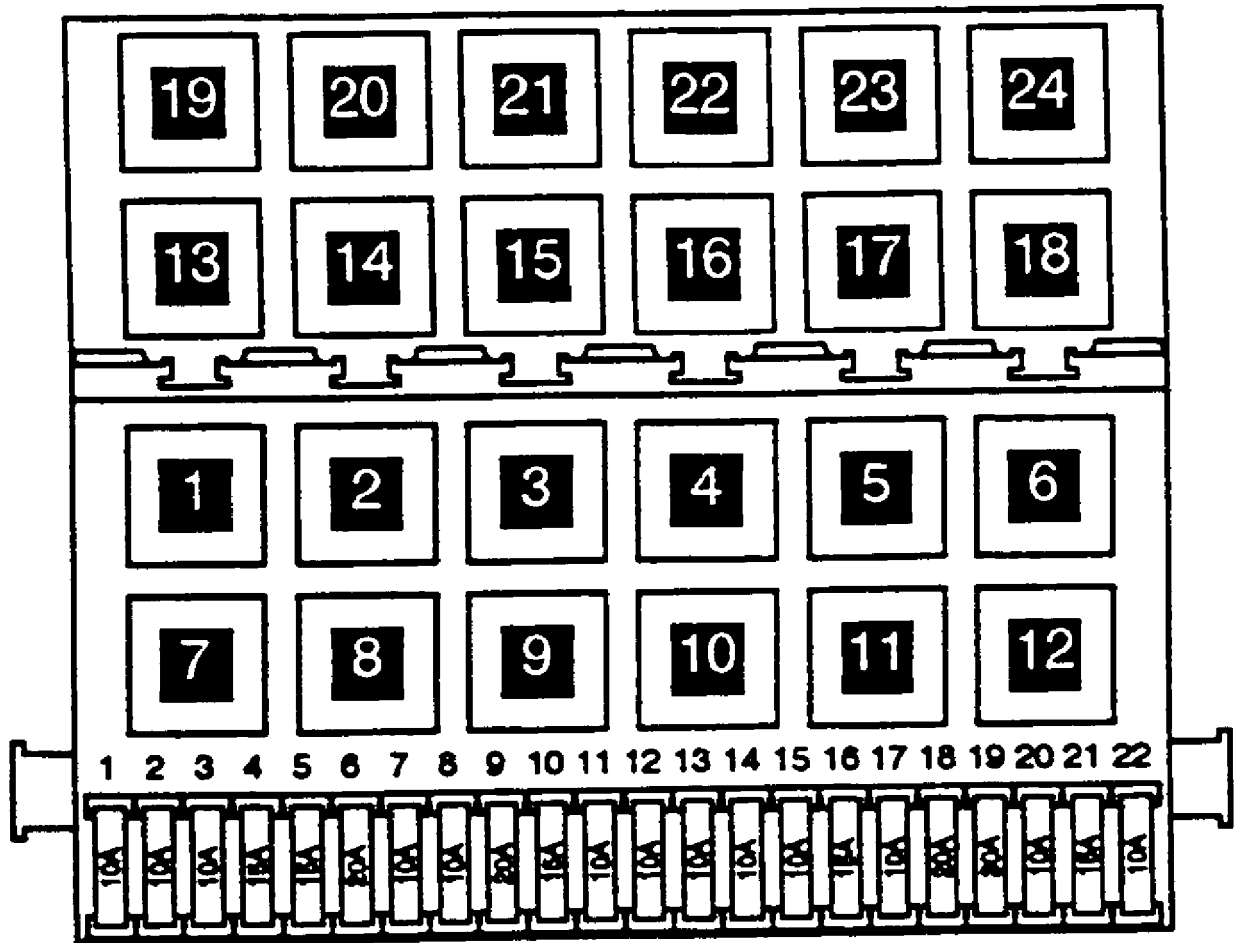
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NOTE: On all models, fuse specifications are listed on inside of panel cover.



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Fig. 3: Fuse Panel Identification
Courtesy of Volkswagen United States, Inc.

Fuse & Circuit Breaker Identification

- 1 - 10 Amp (Red)
Left Headlight Low Beam
- 2 - 10 Amp (Red)
Right Headlight Low Beam
- 3 - 10 Amp (Red)
Instrument & License Lights
- 4 - 15 Amp (Blue)
Rear Window Wiper, Glove Box Light
- 5 - 15 Amp (Blue)
Windshield Wiper/Washer
- 6 - 30 Amp (Green)
A/C, Fresh Air Fan
- 7 - 10 Amp (Red)
Right Taillight & Side Marker Light

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- 8 - 10 Amp (Red)
Left Taillight & Side Marker Light
- 9 - 20 Amp (Yellow)
Rear Window Defogger, Mirror Heater
- 10 - 15 Amp (Blue)
Fog Lights
- 11 - 10 Amp (Red)
Left Headlight High Beam & High Beam Indicator
- 12 - 10 Amp (Red)
Right Headlight High Beam
- 13 - 10 Amp (Red)
Horn, Radiator Cooling Fan
- 14 - 15 Amp (Blue)
Backup Lights, Electric Mirrors, Heated Front Seats,
Windshield Washer Jets
- 15 - 10 Amp (Red)
Engine Electronics
- 16 - 15 Amp (Blue)
Power Sunroof
- 17 - 10 Amp (Red)
Emergency Flasher
- 18 - 20 Amp (Yellow)
Fuel Pump, Oxygen Sensor
- 19 - 30 Amp (Green)
A/C, Radiator Cooling Fan
- 20 - 10 Amp (Red)
Brakelights, Cruise Control
- 21 - 15 Amp (Blue)
Dome/Luggage/Vanity Mirror Lights, Clock, Radio, Central
Locking System, Multi-Function Indicator, Alarm System
- 22 - 10 Amp (Red)
Radio, Cigarette Lighter, Remote Luggage Compartment Release

Relay Identification

- 1 - 10 Amp (Red)
Left Headlight Low Beam
- 2 - 10 Amp (Red)
Right Headlight Low Beam
- 3 - 10 Amp (Red)
Instrument & License Lights
- 4 - 15 Amp (Blue)
Rear Window Wiper, Glove Box Light
- 5 - 15 Amp (Blue)
Windshield Wiper/Washer
- 6 - 30 Amp (Green)
A/C, Fresh Air Fan
- 7 - 10 Amp (Red)
Right Taillight & Side Marker Light
- 8 - 10 Amp (Red)
Left Taillight & Side Marker Light
- 9 - 20 Amp (Yellow)

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Rear Window Defogger, Mirror Heater

10 - 15 Amp (Blue)

Fog Lights

11 - 10 Amp (Red)

Left Headlight High Beam & High Beam Indicator

12 - 10 Amp (Red)

Right Headlight High Beam

13 - 10 Amp (Red)

Horn, Radiator Cooling Fan

END OF ARTICLE