

WARNING

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A**ABS**

see Anti-lock brakes (ABS)

ABS/EDL/ASR/ESP coding tables ST-29**Air conditioning (A/C)**

A/C, heating and ventilation controls **87-23**
 A/C clutch **87-38**
 A/C components, underhood **87-32**
 A/C compressor **87-34**
 A/C passenger compartment components (climatronic) **87-24**
 A/C pressure switches, checking **87-9**
 A/C refrigerant circuit, **87-2**
 A/C refrigerant system, **87-5**
 A/C refrigerant system, replacing components **87-12**
 A/C refrigerant system servicing **87-16**
 A/C refrigerant system, discharging and charging **87-21**
 A/C refrigerant system, flushing **87-22**
 A/C system, troubleshooting **87-18**
 A/C system odor, checking **87-16**
 air flap motors (climatronic) **87-28**
 condenser assembly, overview **87-14**
 control module for fresh air blower, removing **87-26**
 evaporator/heater assembly, overview **87-15**
 evaporator water drain valve **87-33**
 footwell air outlet temperature sensor, removing and installing **87-26**
 footwell/defrost flap motor (V85), removing and installing **87-31**
 fresh air blower, removing **87-27**
 high pressure service valve assembly **87-10**
 low pressure service valve assembly **87-10**
 pressure relief valve **87-10**
 refrigerant oil, pag **87-12**
 refrigerant lines and hoses **87-12**
 sunlight photo sensor, removing **87-26**
 temperature flap motor (V68) **87-30**

Air filter

see Maintenance

Airbag system coding tables ST-32**Airbags**

see Seatbelts, airbags
 control module coding
 see Scan Tool

Alarm system

see Front doors, comfort system

Alternator

see Engine Electrical, generator

Antenna

see Radio

Anti-freeze

see Engine—cooling system

Anti-lock brakes (ABS)

ABS components **45-4**
 ABS control module **45-21**
 ABS control module coding
 see Scan Tool
 brake light switch, removing and installing **45-10**
 brake system warning lights **45-8**
 electrical components **45-5**
 front ABS rotor, checking **45-23**
 hydraulic/mechanical ABS components **45-13**
 hydraulic unit, distinguishing features **45-6**
 hydraulic unit, removing/installing **45-16**
 special precautions for ABS or ABS/EDL equipped vehicles **45-2**
 wheel speed sensors **45-22**

Anti-theft Immobilizer 96-8**Automatic transmission**

ATF cooler **37-58**
 automatic transmission electronic and electrical components **37-11**
 basic settings **37-19**
 selector lever cable, checking and adjusting (01M) **37-27**
 selector lever cable, checking and adjusting (09A) **37-28**
 shift lock **37-29**
 shift lock operation checking **37-36**
 shift mechanism, assembly **37-21**
 transmission, removing and installing (01M) **37-37**
 transmission, removing and installing (09A) **37-48**
 transmission code location **37-2**
 transmission range switch, removing, installing, adjusting **37-17**

B**Battery**

see Engine electrical

remote control batteries, changing
 see Front doors

Belts

ribbed v-belt, see Maintenance
 toothed belt, see Timing belt

Bleeding brakes

see Brakes—hydraulic system

Body—exterior equipment

exterior moldings **66-7**
 front grille **66-10**
 “GTI 337 edition” special trim **66-11**
 mirror housing **66-1**
 roof moldings, overview **66-7**
 roof rack rail (Jetta wagon) **66-9**
 rear spoiler **66-13**
 rear spoiler stoplight **66-14**
 side moldings, overview **66-8**
 side-view mirror **66-1**
 side-view mirror assembly **66-3**
 sill panel extension **66-12**
 wheel housing liners **66-5**

Body—front

front body components **50-1**
 fender dimensions, Golf/GTI **50-3**
 fender dimensions, Jetta **50-3**
 front fender assembly **50-2**
 lock carrier **50-4**
 front noise insulation **50-5**

Boost pressure

see Turbocharger and intercooler

Brake fluid

see Brakes—hydraulic system
 see also Maintenance

Brake light switch

removing and installing **45-10**

Brakes—hydraulic system

brake booster **47-22**
 brake booster pressure sensor **47-19**
 brake pressure regulator **47-11**
 brake fluid **47-13**
 bleeding **47-14**
 replacing **47-15**
 brake master cylinder **47-21**
 brake service precautions **47-1**
 electric vacuum pump **47-20**
 front brake caliper **47-2**
 front brake caliper (FS III) **47-3**
 front brake caliper (FN 3) **47-4**
 front caliper piston, removing and installing (FS III and FN 3) **47-5**
 master cylinder/brake booster **47-17**
 rear brakes **47-7**
 rear caliper piston **47-8**
 rear caliper, pre-bleeding **47-10**
 vacuum check valve **47-19**
 vacuum pump for brake booster (TDI engine) **47-19**

Brakes—mechanical components

front brakes **46-2**
 front brake assembly
 FS III caliper **46-3**
 FN3 caliper **46-6**

front brake pads, removing and installing
 FS III caliper **46-4**
 FN 3 caliper **46-7**
 parking brake, adjusting **46-13**
 parking brake cables, removing and installing **46-14**
 parking brake lever assembly **46-16**
 rear brakes **46-9**
 rear brake pads, removing and installing **46-10**

Bumpers

bumpers, servicing **63-1**
 front bumper assembly **63-2**
 front bumper beam assembly **63-3**
 hood release lever, removing **63-1**
 rear bumper assembly **63-4**
 rear bumper beam assembly **63-5**
 trailer hitch, assembly **63-6**

C

Caliper

see Brakes—hydraulic system

Catalytic converter

see Exhaust system and emission controls

CD changer/player

see Radio

Central locking

see Front doors

Clutch

clutch assembly **30-18**
 clutch hydraulic system **30-6**
 clutch hydraulic system bleeding (02J and 02M) **30-14**
 clutch master cylinder, removing and installing (02J and 02M) **30-10**
 clutch pedal (02J and 02M) **30-2**
 clutch pedal, removing and installing **30-6**
 clutch release mechanism **30-15**
 clutch servicing (02J and 02M) **30-18**
 over-center spring, removing and installing **30-4**

Comfort system

see Front doors
 control module coding
 see Scan Tool

Component locations (electrical) 97-7

Compression test

see Cylinder head and valvetrain

Control module coding

see Scan Tool

Console, center

see Trim—interior

Convenience system coding tables

ST-37

Coolant pump

see Engine—cooling system

Crankshaft/cylinder block (4-cylinder)

crankshaft **13a-18**
 crankshaft assembly (gasoline engines) **13a-20**
 crankshaft assembly (diesel engine) **13a-21**
 cylinder bore dimensions **13a-16**
 cylinder block **13a-2**
 cylinder block internal components **13a-10**
 driveplate clearance, adjusting (cars with automatic transmission) **13a-9**
 flywheel/driveplate **13a-8**
 oil seals **13a-4**
 piston projection at TDC (diesel engine) **13a-17**
 piston rings **13a-14**
 pistons and connecting rods **13a-10**

Crankshaft/cylinder block (6-cylinder)

cylinder block components **13b-2**
 cylinder block internal components **13b-9**
 cylinder bore dimensions **13b-12**
 crankshaft **13b-13**
 driveplate clearance, adjusting (cars with automatic transmission) **13b-8**
 flywheel/driveplate **13b-7**
 oil seals **13b-5**
 pistons and connecting rods **13b-9**
 vibration damper, removing and installing **13b-4**

Cruise control 27-21

CV joint

see Front suspension and drive axle

Cylinder head and valvetrain

(1.8L engine)

cylinder head components **15a-30**
 cylinder head, removing and installing **15a-24**
 cylinder head service **15a-3**
 camshaft oil seal, replacing **15a-7**
 camshafts, removing and installing **15a-11**
 cylinder head (valve) cover, removing and installing **15a-6**
 external cylinder head assembly **15a-5**
 hydraulic cam followers, checking **15a-14**
 internal cylinder head assembly **15a-4**
 valve stem oil seals **15a-15**
 diagnostic testing **15a-2**
 compression test **15a-2**
 cylinder leakdown test **15a-3**
 timing belt - camshaft drive **15a-18**
 valves **15a-31**

Cylinder head and valvetrain

(1.9L engine)

cylinder head components **15b-28**

cylinder head, removing and installing **15b-22**

cylinder head service **15b-3**

camshaft oil seal, replacing **15b-6**
 camshaft, removing and installing **15b-9**

cylinder head (valve) cover, removing and installing **15b-6**
 external cylinder head assembly **15b-5**

hydraulic cam followers, checking **15b-11**

internal cylinder head assembly **15b-4**

valve stem oil seals **15b-12**

diagnostic testing **15b-2**

compression test **15b-2**

cylinder leakdown test **15b-3**

timing belt - camshaft drive **15b-14**

valves **15b-29**

Cylinder head and valvetrain

(1.9L PD engine)

cylinder head components **15c-25**
 cylinder head, removing and installing **15e-22**

cylinder head service **15e-3**

camshaft oil seal, replacing **15e-8**
 camshaft, removing and installing **15e-9**

cylinder head (valve) cover, removing and installing **15e-7**
 external cylinder head assembly **15e-5**

internal cylinder head assembly **15e-4**

valve stem oil seals **15e-12**

diagnostic testing **15e-2**

compression test **15e-2**

cylinder leakdown test **15e-3**

timing belt - camshaft drive **15e-15**

valves **15e-26**

Cylinder head and valvetrain

(2.0L engine)

cylinder head components **15c-35**
 cylinder head, removing and installing **15c-28**

cylinder head service **15c-3**

camshaft oil seal, replacing **15c-10**
 camshaft, removing and installing **15c-11**

cylinder head (valve) cover, removing and installing **15c-9**
 external cylinder head assembly **15c-6**

hydraulic cam followers **15c-13**

internal cylinder head assembly **15c-4**

valve stem oil seals **15c-14**

diagnostic testing **15c-2**

compression test **15c-2**

cylinder leakdown test **15c-3**

timing belt - camshaft drive **15c-13**

valves **15c-37**

Cylinder head and valvetrain

(2.8L engine)

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camshaft drive chains (AFP engine) **15d-17**
 valve timing, checking **15d-18**
 camshaft drive chains (BDF engine) **15d-50**
 valve timing, checking **15d-51**
 cylinder head components (AFP engine) **15d-31**
 camshafts and cam followers **15d-32**
 valves **15d-33**
 cylinder head components (BDF engine) **15d-66**
 camshafts and cam followers **15d-67**
 valves **15d-68**
 cylinder head, removing and installing (AFP engine) **15d-25**
 cylinder head, removing and installing (BDF engine) **15d-58**
 cylinder head service (AFP engine) **15d-5**
 camshafts, removing **15d-10**
 cylinder head (valve) cover, removing and installing **15d-7**
 hydraulic cam followers **15d-14**
 internal cylinder head assembly **15d-6**
 valve stem oil seals, replacing **15d-15**
 cylinder head service (BDF engine) **15d-35**
 camshafts, removing **15d-43**
 camshaft sprocket cover assembly **15d-37**
 cylinder head (valve) cover, removing and installing **15d-40**
 external cylinder head assembly **15d-36**
 valve stem oil seals, replacing **15d-48**
 diagnostic testing **15d-2**
 compression test **15d-2**
 cylinder leakdown test **15d-4**

D**Dashboard**

see Instrument panel **70-32**

Diagnostic trouble codes

see Scan Tool

Diesel fuel injection

see Fuel injection–diesel

Differential and final drive

automatic transmission **39-9**
 differential and final drive assembly **39-10, 39-11**
 drive flange oil seals, replacing (01M) **39-12**
 drive flange oil seals, replacing (09A) **39-16**
 manual transmission **39-1**
 differential and final drive assembly **39-2, 39-3**
 drive flange oil seals, replacing (02J) **39-4**
 drive flange oil seals, replacing (02M) **39-6**
 rear final drive, identification (R32 models)
 see R32 supplement

Disc brakes

see Brakes—mechanical components
 see also Brakes—hydraulic components
 Door panel
 see Trim—interior

Doors

see Front doors
 see also Rear doors

Drive axles

see Front suspension and drive axles

Drive belt

see Cylinder head and valvetrain, camshaft drive belt
 see also Maintenance: ribbed V-belts

Driveplate

see Crankshaft/cylinder block

DTC table ST-2**Dust and pollen filter**

see Heating and ventilation

E**Engine Control Module (ECM) coding tables ST-25****EGR**

see Exhaust system and emission controls

Electrical system—general

continuity, checking **9-6**
 electrical test equipment **9-2**
 electrical troubleshooting **9-3**

safety precautions **9-1**
 short circuit test with voltmeter **9-7**
 short circuits, checking **9-6**
 voltage, measuring **9-5**
 voltage and ground, checking **9-4**
 voltage and polarity **9-1**
 voltage drop, testing **9-5**
 wiring diagrams, fuses and relays **9-3**

Electronic Power Control (EPC) System

EPC pedal components **20-17**
 malfunction light for accelerator activation **20-16**

Engine—cooling system

after-run coolant pump, checking **19-10**
 auxiliary radiator (2.8L engine) **19-34**
 coolant/anti-freeze concentration **19-6**
 coolant, pump and thermostat **19-2**
 coolant pump, replacing (1.8L engine) **19-15**
 (1.9L engine) **19-17**
 (1.9L PD engine) **19-19**
 (2.0L engine) **19-23**
 (2.8L AFP engine) **19-25**
 (2.8L BDF engine) **19-27**
 coolant temperature/level warning lights **19-4**
 cooling fans and thermo-switch **19-7**
 cooling system, components **19-14**
 cooling system, draining and filling **19-11**
 cooling system, pressure testing **19-6**
 radiator and cooling fans **19-29**
 thermostat, replacing (4-cylinder) **19-35**
 thermostat assembly (2.8L engine) **19-37**
 troubleshooting **19-4**
 warnings and cautions **19-2**

Engine electrical

battery charging **27-6**
 battery, removing and installing **27-7**
 battery service **27-3**
 charging system **27-11**
 cruise control **27-21**
 electrolyte level, checking **27-3**
 generator, overview **27-13**
 generator, removing and installing **27-12**
 load voltage testing **27-5**
 open circuit voltage test **27-4**
 procedure following interruption of voltage supply **27-10**
 regulator brushes, checking **27-16**
 specific gravity, checking **27-5**
 static current draw, checking **27-4**
 starter bushing **27-21**
 starter, removing and installing **27-19**
 starter service **27-17**

Engine—general

- 1.8L engine 1-2
- 1.9L engine 1-3
- 1.9L engine (PD diesel) 1-6
- 2.0L engine 1-4
- 2.8L engine 1-5

Engine-lubrication system

- lubrication system, components 17-5
- oil cooler 17-20
- oil filter flange assembly
 - (1.8L engine) 17-10
 - (1.9L engine) 17-11
 - (2.0L engine) 17-12
 - (2.8L AFP engine) 17-13
 - (2.8L BDF engine) 17-14
- oil pan 17-14
- oil pressure and oil pressure switch, testing 17-3
- oil pressure warning system 17-3
- oil pump 17-18
- oil spray nozzles 17-20
- oil supply to turbocharger (1.9L PD diesel engine) 17-21

Engine-removing/installing

- 1.8L 10-2
- 1.9L 10-13
- 2.0L 10-23
- 2.8L 10-33

Exhaust system and emission**controls**

- catalytic converter 26-5
- combi-valve, checking (2.8L engine) 26-32
- emission controls (diesel engine) 26-33
- emission controls (gas engines) 26-23
- exhaust gas recirculation (EGR) 26-33
 - EGR cooler 26-38
 - EGR valve, checking 26-36
- exhaust system
 - (1.8L engine) 26-7
 - (1.9L engine) 26-10
 - (2.0L engine) 26-13
 - (2.8L engine) 26-20
- exhaust system, installation details 26-4
- oxygen sensor, removing and installing 26-6
- positive crankcase ventilation (PCV)
 - gas engines 26-23
 - diesel engines 26-33
- secondary air injection system 26-23
- secondary air injection system, components
 - (1.8L engine) 26-27
 - (2.0L engine) 26-28
 - (2.8L engine) 26-30
- service precautions 26-2
- vacuum hose connections
 - 1.9L TDI engine 26-35
 - 1.9L PD TDI engine 21-13

F**Fender**

- see Body-front

Flywheel

- see Crankshaft/cylinder block

Fog light

- see Lights, accessories-exterior

Front doors

- central locking 57-2
- comfort system and central locking, component overview 57-19
- connector station in a-pillar 57-20
- door, adjusting 57-4
- door assembly 57-3
- door handle and lock assembly 57-5
- door handle, removing and installing 57-7
- door, removing and installing 57-4
- door seals 57-17
- door window assembly 57-14
- door window glass 57-15
- keys and remote control 57-20
- lock button, removing and installing 57-12
- lock cylinder housing, removing and installing 57-6
- power windows 57-1
- remote control batteries, changing 57-21

Front seats

- see Seats

Front suspension and drive axles

- ball joint, removing and installing 40-6
- coil spring, removing, installing, identifying 40-17
- cv joints, servicing 40-39
- drive axles 40-18
- drive axle, removing and installing 40-44
- front suspension strut assembly 40-13
- front suspension struts, removing and installing 40-14
- inner cv joint and boot 40-41
- outer cv joint and boot 40-39
- subframe, stabilizer bar, control arm assembly 40-3
- suspension struts 40-13
- triple roller joint, 40-27
- wheel bearings 40-8

Fuel, ignition, and exhaust systems—**general**

- diesel turbo direct injection (TDI) 2-3
- electronic power control (EPC) 2-8
- emission controls 2-8
- fuel injection 2-1
- fuel supply 2-1
- ignition system 2-8
- motronic 5.9.2 engine management 2-2
- motronic ME 7 engine management 2-5

Fuel filter

- see Maintenance

Fuel injection—motronic (1.8L engine)

- adaptation 24a-4
- air cleaner assembly 24a-11
- engine control module (ECM) 24a-13
- engine coolant temperature (ECT) sensor, measuring resistance 24a-7
- engine speed (RPM) sensor 24a-13
- fuel injection system component locations, overview 24a-6
- fuel injection system components, removing and installing 24a-8
- fuel rail and injector assembly 24a-12
- intake air temperature (IAT) sensor, measuring resistance 24a-10
- on board diagnostics 24a-3
- readiness codes 24a-4
- safety precautions 24a-2

Fuel injection—diesel (1.9L engine)

- diesel injection system (1.9L TDI diesel) 23-2
 - basic fuel delivery, checking 23-9
 - diagnostic quick checks 23-7
 - engine control module 23-23
 - fuel injectors 23-27
 - fuel shut-off valve, checking 23-8
 - injection pump 23-12
 - injection pump dynamic timing, checking and adjusting 23-20
 - intake manifold change-over valve 23-26
 - readiness codes, setting 23-25
 - throttle position sensor 23-10
 - timing belt - camshaft drive 23-11
 - troubleshooting 23-5
- diesel injection system (1.9L PD TDI diesel) 23-30
 - engine control module 23-33
 - pump injector 23-35
 - throttle position sensor 23-31
 - timing belt - camshaft drive 23-31
 - variable intake manifold 23-34

Fuel injection—motronic (2.0L engine)

- motronic engine management components 24b-5
 - air cleaner assembly 24b-14
 - engine control module (ECM) 24b-16
 - engine coolant temperature (ECT) sensor, measuring resistance 24b-10
 - engine speed (RPM) sensor 24b-16
 - intake air temperature (IAT) sensor, measuring resistance 24b-15
 - lower intake manifold section, assembly 24b-12
 - upper intake manifold assembly 24b-11

WARNING

Your common sense, good judgement, and general alertness are crucial to safe and successful service work. Before attempting any work on your VW, read the warnings and cautions on page vii and the copyright page at the front of the manual. Review these warnings and cautions each time you prepare to work on your VW. Please also read any warnings and cautions that accompany the procedures in the manual.

on board diagnostics **24b-3**
adaptation **24b-4**
engine control module coding **24b-5**
readiness codes **24b-4**

Fuel injection—motronic (2.8L engine)

fuel injection components testing **24c-21**
engine control module (ECM) **24c-23**
engine coolant temperature sensor (ECT) **24c-22**
engine speed (RPM) sensor **24c-23**
intake air temperature (IAT) sensor **24c-21**
throttle valve (TV) control module **24c-24**
motronic engine management components (AFP engine) **24c-5**
air cleaner assembly **24c-12**
intake manifold, upper section, assembly **24c-10**
intake manifold, lower section and fuel rail, assembly **24c-11**
motronic engine management components (BDF engine) **24c-13**
air cleaner assembly **24c-20**
fuel rail assembly **24c-19**
intake manifold assembly **24c-18**
throttle valve control module, measuring resistance **24c-24**
on board diagnostics **24c-3**
adaptation **24c-4**
engine control module coding **24c-5**
readiness codes **24c-4**

Fuel storage and supply

change-over valve, checking **20-21**
electronic power control (EPC) system **20-30**
EPC pedal components **20-31**
evaporative emissions **20-32**
EVAP system overviews **20-35**
LDP system overviews
fuel cooler (1.9L) **20-25**
fuel filter assembly (1.9L PD) **20-26**
fuel gauge sensor, removing and installing **20-11**
fuel pump (fuel delivery unit) **20-13**

fuel pump troubleshooting **20-3**
fuel tank and lines **20-19**
tandem pump (1.9L PD) **20-27**
throttle mechanism (AEG engine) **20-26**

Fuel tank

see Fuel storage and supply

Fuses

see Wiring diagrams, fuses and relays

G**Generator**

see Engine electrical system

Glow plugs

see Ignition system—diesel

H**Haldex clutch**

see R32 supplement

Hand brake

see Parking brake **46-13**

Headlight

see Lights, accessories—exterior

Headliner

see Trim—interior

Heating and ventilation

air outlets, removing **80-3**
blower fan, removing and installing **80-13**
central flap cable **80-10**
central flap lever **80-13**
connecting duct **80-5**
defroster duct **80-5**
dust and pollen filter **80-11**
footwell/defrost flap cable **80-10**
heater assembly, overview **80-12**
heater core bulkhead seal **80-13**
heating and ventilation components **80-11**
heating and ventilation controls **80-2**
instrument panel crossmember, loosening and tightening **80-5**
passenger compartment components, overview **80-2**
recirculation flap servo **80-14**
side window fixed air vents **80-3**
temperature flap cable **80-10**
ventilation system, checking **80-15**

Hood and lids

front hood **55-2**
hood assembly **55-2**
hood lock assembly **55-5**
hood lock support, removing **55-6**
hood lock, removing **55-6**
hood release cable assembly **55-3**
release lever, removing and installing **55-4**

rear lids **55-7**
gas-filled strut, removing **55-9**
lock cylinder housing assembly (Golf) **55-11**
rear hatch assembly (Golf) **55-8**
rear hatch lock assembly (Golf) **55-10**
rear hatch/lid, adjusting **55-7**
rear hatch/tailgate assembly (Jetta wagon) **55-16**
rear lid assembly (Jetta) **55-12**
rear lid lock assembly (Jetta) **55-13**
tailgate/trunk lock assembly (Jetta wagon) **55-17**
tank flap unit assembly (Golf) **55-18**
tank flap unit assembly (Jetta and wagon) **55-19**

I**Ignition system—diesel**

coolant glow plugs/auxiliary heater **28b-5**
diesel glow plug system **28b-2**

Ignition system—gasoline

disabling ignition system **28a-2**
ignition system troubleshooting **28a-4**
quick check of ignition system **28a-5**
spark plug wires/connectors, checking **28a-6**
ignition system (1.8L engine) **28a-7**
(2.0L engine) **28a-10**
(2.8L engine) **28a-16**
knock sensors, checking resistance (2.8L BDF engine) **28a-19**

Immobilizer

see Anti-theft immobilizer

Instrument cluster

see Instruments

Instruments

instrument cluster **90-2**
instrument cluster, removing and installing **90-3**
instrument panel overview **90-7**
malfunction recognition and display **90-2**
multi-pin connector terminal assignment **90-4**
service interval display, resetting **90-8**

Intercooler

see Turbocharger and intercooler

Interior lights

see Lights, accessories—interior

J**Jacking vehicle**

see Maintenance, lifting

K**Keys**

see Front doors, comfort system

Kick-down point, adapting ST-48

L**License plate light**

see Lights, accessories–exterior

Lid

see Hood and lids

Lifting vehicle

see Maintenance

Lights, accessories–exterior

Golf/GTI exterior lights 94-2

headlight 94-3

high-mount brake light 94-9

taillight 94-7

Golf/GTI/Jetta exterior lights 94-17

headlight upper securing lugs 94-17

side mounted turn signals 94-17

license plate light 94-18

Jetta exterior lights 94-10

headlight 94-10

high-mount brake light 94-14

taillight 94-15

Lights, accessories–interior

anti-theft immobilizer 96-8

door panel switches 96-3

door warning light 96-6

glovebox light 96-6

headlight switch 96-2

instrument panel light dimmer switch 96-2

instrument panel switches 96-4

interior light and sunroof switch 96-5

luggage compartment light 96-6

mirror adjustment switch 96-3

rear lid handle release button (Jetta) 96-8

rear reading light 96-5

remote fuel tank door/rear lid unlock switch 96-7

M**Maintenance**

air filter element, replacing 0-38

airbag unit, visual inspection 0-48

ATF, replacing 0-45

battery service 0-29

body and interior maintenance 0-47

brake fluid 0-25

brake system, visual inspection 0-39

brake pads (front and rear) 0-39

coolant, checking 0-23

door check straps and hinges,

lubrication 0-48

drive axles, checking boots 0-40

dust and pollen filter, replacing 0-47

emergency towing with commercial equipment 0-9

engine identification 0-6

engine oil, changing 0-19

engine oil filter, replacing 0-22

engine oil level, checking 0-18

exhaust system, checking 0-46

exterior lights, checking 0-47

final drive oil level, checking 0-41

fluid leaks 0-27

front suspension components,

checking 0-41

fuel filter, replacing

(gasoline engines) 0-27

fuel filter, draining

(diesel engine) 0-28

fuel filter, replacing

(diesel engine) 0-29

how to use this manual 0-2

identification plates and labels 0-4

interior lights, checking 0-47

lifting vehicle 0-12

maintenance schedules 0-50

on board diagnostics (OBD),

checking 0-49

parking brake, adjusting 0-40

power steering fluid level 0-26

ribbed v-belt 0-31

road test 0-50

sound absorber panels 0-16

spark plugs, replacing 0-36

timing belt, checking 0-35

tire service 0-40

transmission, checking for

leaks 0-41

transmission fluid (ATF) level 0-43

transmission identification 0-7

transmission oil level, checking

(manual transmission) 0-42

towing 0-9

towing eyes 0-12

underbody sealant, checking 0-46

under car maintenance 0-38

vehicle hook-up, front 0-11

vehicle hook-up, rear 0-11

vehicle identification number (VIN) 0-4

warnings, cautions and notes 0-3

windshield wipers and washers 0-49

work safety 0-4

working under the vehicle 0-13

Manual transmission

02J specifications 34-4

02M specifications 34-8

gear selector mechanism, 02J

(through 05/99) 34-15

gear selector mechanism, 02J

(from 05/99) 34-27

gear selector mechanism, 02M 34-38

transmission, 02J, removing and

installing 34-49

transmission, 02M, removing and

installing 34-62

transmission code location 34-3

Master cylinder

see Brakes–hydraulic system

see also Clutch

Mirrors

see Body–exterior equipment

see also Trim–interior

Moonroof

see Sunroof

O**Oil**

changing 0-19

filter 0-22

see also Engine–lubrication system

P**Parking brake**

see Brakes–mechanical components

Piston

see Crankshaft/cylinder block

Pollen filter

see Heating and ventilation, dust and pollen filter

Power windows

see Front doors

see also Rear doors

Product familiarization

body exterior 00-14

body interior 00-16

electrical system 00-20

engine and transaxle 00-7

heating and air conditioning 00-19

product overview (1999 model

introduction) 00-2

golf dimensions 00-6

jetta dimensions 00-7

suspension and brakes 00-10

technical specifications 00-22

R**R32 supplement**

body components R32-43

front bumper cover R32-43

rear bumper cover R32-45

sill panel extension R32-48

spoilers R32-47

engine R32-12

chain drive R32-14

cooling system R32-18

cylinder block R32-13

cylinder head R32-15

engine number R32-12

lubrication R32-16

oil filter R32-17

oil pressure R32-16

WARNING

Your common sense, good judgement, and general alertness are crucial to safe and successful service work. Before attempting any work on your VW, read the warnings and cautions on page vii and the copyright page at the front of the manual. Review these warnings and cautions each time you prepare to work on your VW. Please also read any warnings and cautions that accompany the procedures in the manual.

fuel supply, injection, ignition and exhaust **R32-20**
 exhaust system **R32-25**
 fuel injection **R32-22**
 fuel supply **R32-21**
 ignition system **R32-27**
 general **R32-1**
 maintenance **R32-5**
 2004 m.y. maintenance **R32-11**
 ball joints, checking **R32-5**
 brake pads, checking **R32-6**
 ribbed v-belt **R32-7**
 sound absorber panels, removal **R32-8**
 spark plugs, replacing **R32-9**
 suspension and brakes **R32-34**
 front brakes **R32-38**
 front suspension **R32-34**
 rear brakes **R32-42**
 rear suspension **R32-36**
 transmission **R32-28**
 02Y transmission specifications **R32-29**
 all wheel drive control module **R32-31**
 electrical components **R32-30**
 haldex clutch oil and filter **R32-32**
 rear final drive **R32-32**

Radio and communication

cd player/changer **91-14**
 cd player, terminal assignment **91-15**
 interference suppression **91-3**
 multi-function steering wheel **91-18**
 radio reception **91-1**
 radio system **91-3**
 amplifier (monsoon) **91-6**
 antenna **91-11**
 radio anti-theft system **91-8**
 radio head unit **91-4**
 radio head unit terminal assignment **91-12**
 speakers, removing and installing **91-8**
 telematics **91-21**

Radio and sound system coding tables ST-40**Rear hatch**

see Hood and lids

Rear doors

door, adjusting **58-3**
 door, removing and installing **58-3**
 door handle and lock assembly **58-4**
 door handle, removing and installing **58-5**
 door lock, removing **58-11**
 door lock, installing **58-13**
 rear door assembly **58-2**
 rear door seals **58-14**
 rear door windows **58-6**

Rear seats

see Seats

Rear suspension

bushings **42-5**
 rear coil springs **42-11**
 rear shock absorber assembly **42-10**
 rear shock absorbers, removing and installing **42-12**
 rear suspension assembly **42-3**
 rear wheel bearings **42-14**

Relays

see Wiring diagrams, fuses and relays

Remote control (locking)

see Front doors

S**Scan tool (ST)**

basic settings **ST-42**
 kick-down point, adapting **ST-48**
 throttle valve control module, adapting **ST-42**
 transmission control module, adapting **ST-47**
 control module coding **ST-25**
 diagnostic scan tool suppliers **ST-24**
 on-board diagnostics II **ST-1**
 VAG 1551/1552 operating overview flow chart **ST-50**

Seatbelts, airbags

airbag control module **69-16**
 airbag slip ring, removing and installing **69-20**
 airbag system, overview **69-15**
 airbag unit, front passenger, assembly (with seams in dash for airbag) **69-24**
 airbag unit, front passenger, assembly (without seams in dash for airbag) **69-25**
 airbag unit in 4-spoke steering wheel, distinguishing features **69-16**
 3-spoke steering wheel and airbag **69-18**
 4-spoke steering wheel and airbag **69-17**
 airbag unit in steering wheel, removing and installing **69-19**
 airbags **69-13**

impact sensor, side airbag, overview **69-23**
 side airbag unit safety harness **69-22**
 special precautions for airbag equipped vehicles **69-13**
 seatbelts **69-2**
 child restraint latch guidance fixture, installing **69-11**
 front seatbelt assembly **69-7**
 rear center belt reel, removing **69-10**
 rear seatbelt assembly **69-8**
 rear top latch tether (Jetta sedan) **69-12**
 seatbelts, inspecting **69-4**
 special precautions for pyrotechnic seatbelt equipped vehicles **69-2**

Seats

front seats **72-1**
 electrically adjustable front seats **72-10**
 front seat, removing and installing **72-2**
 front seat assembly **72-4**
 front seat backrest cover and padding **72-8**
 head restraint guides **72-5**
 locking backrest assembly (2-door) **72-6**
 seat height adjuster **72-7**
 rear seats **72-13**
 backrest lock **72-16**
 rear backrest padding and armrest **72-14**
 rear seat backrest **72-14**
 rear seat bottom **72-13**

Secondary air injection system

see Exhaust system and emission controls

Service interval display, resetting

see Instruments

Shift-lock

see Automatic transmission

Slave cylinder

see Clutch hydraulic system assembly

Sound system

see Radio and communication

Spark plugs

see Maintenance

Starter

see Engine electrical system

Steering

ESP steering angle sensor **48-9**
 ignition lock cylinder and switch, removing and installing **48-17**
 power steering fluid reservoir **48-22**
 power steering gear **48-19**
 power steering gear, adjusting **48-20**

power steering hydraulic hoses **48-21**
 pressure hose, mounting to manual transmission **48-25**
 pressure hose, mounting to automatic transmission **48-26**
 power steering pump **48-27**
 power steering rack, determining center position **48-20**
 power steering return line **48-20**
 special precautions for airbag equipped vehicles **48-2**
 steering column **48-7**
 steering column switches and lock housing **48-13**
 steering wheel, inner assembly **48-4**
 steering wheel and steering column, installed position **48-5**
 steering wheel **48-3**
 tie rod, removing **48-20**

Steering wheel, multifunction **91-18**

Sunroof

distinguishing features **60-1**
 drain hoses **60-14**
 drive motor **60-8**
 glass panel **60-3**
 parallel movement **60-11**
 rockwell/meritor sunroof **60-12**
 sliding headliner **60-7**
 sunroof switch **60-9**
 webasto sunroof **60-10**

Suspension, front

see Front suspension and drive axles

Suspension, rear

see Rear suspension

T

Taillight

see Lights, accessories—exterior

TCM coding **ST-28**

Telematics

see Radio and communication

Throttle valve control module, adapting **ST-42**

Timing belt (toothed belt)

checking **0-35**
 removing and installing
 1.8L engine **15a-19**
 1.9L engine **15b-16**
 2.0L engine **15c-18**

Timing chain (Camshaft drive chain)

AFP engine **15d-17**
 BDF engine **15d-52**

Tires

see Wheels—tires, wheel alignment

Torque converter

torque converter, draining **32-8**
 torque converter identification (01M) **32-2**

torque converter identification (09A) **32-3**
 torque converter installing (09A) **32-7**
 torque converter oil seal replacement (01M) **32-4**
 torque converter oil seal replacement (09A) **32-5**
 turbine shaft sleeve bearing removal (01M) **32-6**

Trailer hitch

see Bumpers

Transmission, automatic

see Automatic transmission

Transmission, manual

see Manual transmission

Transmission control module, adapting **ST-47**

Trim—Interior

center console **70-2**
 center console assembly **70-2**
 center console extension **70-3**
 front ashtray, removing **70-5**
 front center armrest, removing **70-4**
 rear ashtray, removing **70-5**
 rear cupholder, removing and installing **70-6**
 headliner, removing and installing **70-40**
 instrument panel **70-33**
 interior equipment **70-6**
 automatic dimming mirror **70-8**
 front cup holder, removing **70-6**
 glovebox, removing **70-7**
 interior mirror **70-8**
 roof handle, removing **70-10**
 sun visors, removing **70-11**
 luggage compartment trim **70-26**
 rear lid trim **70-27**
 rear lock carrier trim **70-29**
 right-side luggage compartment trim **70-31**
 passenger compartment trim **70-11**
 a-pillar trim **70-11**
 b-pillar trim **70-13**
 c-pillar trim **70-15**
 d-pillar trim **70-19**
 driver's door panel **70-19**
 front door window triangular trim (with speaker), removing **70-22**
 inner wheel housing trim **70-22**
 parcel shelf trim (Jetta) **70-23**
 passenger door panel, removing and installing **70-21**
 rear door panel **70-23**
 rear side trim (2-door Golf) **70-24**
 sill panel trim **70-25**
 steering column lower trim **70-24**

Turbocharger and intercooler

intercooler **21-13**
 recirculating valve, checking (1.8L engine) **21-5**
 turbo boost pressure, checking **21-3**

turbocharger assembly (1.8L engine) **21-6**
 turbocharger assembly (1.9L engine) **21-11**
 turbocharger diagnostics **21-2**
 turbocharger hose connections (1.8L engine) **21-8**
 turbocharger hose connections (1.9L engine) **21-13**
 wastegate by-pass regulator valve, checking **21-4**

V

Vehicle Identification Number (VIN)

see Maintenance
 see also Foreword

Ventilation

see Heating and ventilation

Voltage, interruption of

see Engine electrical system

W

Water pump

see Engine—cooling system, coolant pump

Wheel alignment

see Wheels—tires, wheel alignment

Wheel bearing

see Front suspension and drive axles
 see also Rear suspension

Wheels—tires, Wheel Alignment

alignment requirements **44-5**
 alloy wheel trim (GTI) **44-3**
 front axle camber, adjusting **44-8**
 front axle toe, adjusting **44-9**
 rear axle toe, adjusting **44-9**
 suspension type **44-7**
 thrust angle, calculating **44-8**
 wheel alignment **44-3**
 wheel lock, left and right, checking **44-10**
 wheel seat protection **44-2**
 wheels and tires **44-1**

Windows

see Front doors
 see also Rear doors

Wipers and washers

“aero-wiper” blades, removing and installing **92-2**
 rear wiper assembly **92-6**
 rubber wiper inserts, replacing **92-2**
 windshield washer system **92-7**
 windshield washer jets **92-7**
 windshield washer reservoir **92-9**
 wiper arm, front, removing and installing **92-3**
 wiper motor, front, removing and installing **92-4**

WARNING

Your common sense, good judgement, and general alertness are crucial to safe and successful service work. Before attempting any work on your VW, read the warnings and cautions on page vii and the copyright page at the front of the manual. Review these warnings and cautions each time you prepare to work on your VW. Please also read any warnings and cautions that accompany the procedures in the manual.

Wiring Diagrams, Fuses and Relays

component locations **97-7**
fuses and relays **97-2**
fuse panel, removing/installing **97-4**
ground locations **97-6**
how to read wiring diagrams **97-12**
indexes (by model year)
1999 **97-16**
2000 **97-22**
2001-2002 **97-30**
2003-2005 **97-30**
relay panel, removing/installing **97-5**
relay positions **97-3**
symbols used in wiring diagrams
97-14
using wiring diagrams **97-9**
wiring diagram layout **97-11**



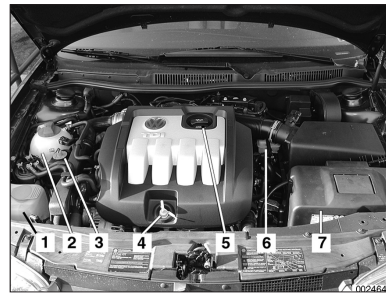
**Volkswagen Jetta, Golf, GTI
Service Manual: 1999-2005**
1.8L turbo, 1.9L TDI diesel,
PD diesel, 2.0L gasoline, 2.8L VR6

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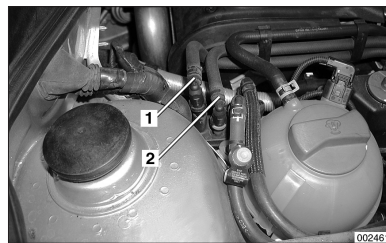
Bentley Publishers is proud to announce the publication of the Volkswagen Jetta, Golf, GTI Service Manual: 1999-2005. This repair manual covers the late 1999 through 2005 model year Jetta, Golf, and GTI built on the Volkswagen "A4" platform. Bentley repair manuals provide the highest level of clarity and comprehensiveness for all service and repair procedures. If you're looking for better understanding of your Volkswagen, look no further than Bentley.

Technical Features

- Covers Volkswagen Jetta, Golf, GTI models built on the "A4" platform with "9M" or "1J" at position number 7 and 8 of 17-digit Vehicle ID number (VIN), including Jetta wagon, GTI 337 and 20th anniversary editions.
- Maintenance procedures: from oil changes to belt replacement.
- Engine and cylinder head service and reconditioning, including timing belt (4-cylinder) and timing chain (6-cylinder) repair.
- Explanation of Motronic M5.9, ME 7.1/7.5 and Diesel Turbo Direct Injection (TDI) engine management systems and ODB II.
- Emission control tests, repairs and adjustments, including Exhaust Gas Recirculation and Secondary Air Injection system.
- Drivetrain maintenance, troubleshooting, adjustment and repair, including hydraulic clutch, gearshift linkage, and axles.
- Suspension component replacement, including front struts, rear shocks, rear coil springs, and wheel bearing/hub units.
- Heating and air conditioning repair, including A/C component replacement and the Climatronic system.
- Body adjustment and repairs, including front and rear doors, fenders, front radiator support and sunroof.
- Wiring schematics, including fuse/relay locations and a general explanation of electrical circuitry. Includes R32 wiring.
- Volkswagen OBD II diagnostic trouble codes, SAE-defined OBD II P-codes, as well as basic scan tool operation.
- Comprehensive Volkswagen factory tolerances, wear limits, adjustments, and tightening torques.



1.9L PD engine bay
(code: BEW)
0 Maintenance



1.8L fuel supply and return hose
10 Engine — Removing and installing

Engines covered

- 1.8L turbo gasoline (engine codes: AWD, AWW, AWP)
- 1.9L TDI diesel (engine code: ALH)
- 1.9L Turbo diesel Pumpe Düse (PD) (engine code: BEW)
- 2.0L gasoline (engine codes: AEG, AVH, AZG, BBW, BEV)
- 2.8L gasoline (engine code: AFP, BDF)

Transmissions covered

- 02J 5-speed manual
- 02M 6-speed manual
- 01M 4-speed automatic
- 09A 5-speed automatic