

Index

A

Air cleaner housing removal and installation - 4-4

Air conditioning system

- accumulator removal and installation - 3-8
- check and maintenance - 3-7
- compressor removal and installation - 3-8
- condenser removal and installation - 3-9

Air filter replacement - 1-25

Alternator

- general information and precautions - 5-5
- removal and installation - 5-5

Antifreeze general information - 3-2

Automatic transmission

- fluid and filter change - 1-27
- fluid level check - 1-8
- general diagnosis - 7B-0
- general information - 7B-0
- kickdown switch check, adjustment and replacement - 7B-2
- neutral safety switch check, adjustment and replacement - 7B-2
- rear seal replacement - 7A-1
- removal and installation - 7B-3
- shift linkage adjustment - 7B-1

Automotive chemicals and lubricants - 0-17

Axle assembly

- axle/half removal and installation
 - front - 8-17
 - rear - 8-13
- oil change - 1-27
- oil level check - 1-20
- oil seal replacement - 8-13
- rear wheel (axle/half) bearing replacement - 8-13
- removal and installation
 - front - 8-15
 - rear - 8-14

Axle/half

- bearing replacement - 8-13
- oil seal replacement - 8-13
- removal and installation
 - front - 8-17
 - rear - 8-13

B

Balance shafts (2.6L engine)

- chain/sprocket removal, inspection and installation - 2A-12
- removal, inspection and installation - 2A-14

Battery

- cable check and replacement - 5-2
- check and maintenance - 1-11
- electrolyte level check - 1-8
- emergency jump starting - 0-15
- removal and installation - 5-2

Block (engine)

- cleaning - 2B-22
- inspection - 2B-23

Body

- bumper removal and installation - 11-8
- door
 - lock and lock control removal and installation - 11-8
 - regulator, removal and installation - 11-4
 - removal, installation and adjustment - 11-4
 - trim panel removal and installation - 11-3
- general information - 11-0
- glass replacement - 11-2, 11-4
- grille removal and installation - 11-2
- hinge and lock maintenance - 11-2
- hood removal, installation and adjustment - 11-3
- maintenance
 - body and frame - 11-0
 - hinges and locks - 11-2
 - upholstery and carpets - 11-0
- repair - 11-1, 11-2
- tailgate latch removal and installation - 11-9
- windshield replacement - 11-2

Booster battery (jump) starting - 0-15

Brakes

- adjustment (drum brakes) - 9-10
- bleeding - 9-14
- booster check, removal and installation - 9-14
- brake shoe replacement
 - front - 9-7
 - rear - 9-8

caliper removal, overhaul and installation - 9-4
 check - 1-21
 disc inspection, removal and installation - 9-6
 fluid level check - 1-8
 general information - 9-2
 light switch replacement and adjustment - 9-18
 master cylinder removal, overhaul and installation - 9-12
 pad replacement - 9-3
 parking brake
 adjustment - 9-15
 cable replacement - 9-16
 check - 1-22
 pedal
 check and adjustment - 1-22
 removal and installation - 9-18
 specifications - 9-1
 wheel cylinder removal, overhaul and installation - 9-11

Break-in (engine) - 2B-33

Bulb replacement - 12-7

Bumper removal and installation - 11-8

Buying parts - 0-8

C

Caliper removal, overhaul and installation - 9-4

Camshaft bearing inspection - 2B-15

Camshaft removal and installation - 2A-20

Carburetor

adjustment - 1-26
 choke check - 1-15
 general information - 4-0
 mounting nut torque check - 1-26
 removal and installation - 4-5

Carpet maintenance - 11-0

Charging system

alternator removal and installation - 5-5
 check - 5-5
 general information and precautions - 5-5

Chassis lubrication - 1-18

Chemicals - 0-17

Clutch

bleeding - 8-9
 fluid level check - 1-8
 general information - 8-2
 master cylinder removal, overhaul and installation - 8-7
 pedal height and free play check and adjustment - 1-19
 pedal removal and installation - 8-10
 release bearing removal and installation - 8-5
 release cylinder removal, overhaul and installation - 8-8
 removal, inspection and installation - 8-3
 specifications - 8-1

Coil check and replacement - 5-3

Coil spring removal and installation - 10-6

Compression check - 2B-8

Connecting rod

bearing inspection - 2B-26
 bearing oil clearance check - 2B-31
 inspection - 2B-24
 installation - 2B-31
 removal - 2B-20

Control arm (suspension arm) removal and installation

lower - 10-9
 upper - 10-8

Conversion factors - 0-19

Coolant

level check - 1-7
 reservoir removal and installation - 3-4

Cooling system

antifreeze general information - 3-2
 check - 1-13

fan (and clutch) check and replacement - 3-3
 general information - 3-0
 radiator removal and installation - 3-3
 reservoir removal and installation - 3-4
 servicing - 1-31
 specifications - 3-0
 temperature sending unit check and replacement - 3-5
 thermostat check and replacement - 3-2
 water pump
 check - 3-4
 removal and installation - 3-5

Crankshaft

inspection - 2B-26
 installation - 2B-29
 oil clearance check - 2B-29, 2B-31
 oil seal replacement
 during overhaul - 2B-30
 in-vehicle
 front - 2A-5
 rear - 2A-26
 removal - 2B-21

Cylinder head

cleaning and inspection - 2B-14
 disassembly - 2B-13
 reassembly - 2B-19
 removal and installation - 2A-22

Cylinder honing - 2B-24

D

Differential

oil change - 1-27
 oil level check - 1-20
 removal and installation - 8-15

Disc brake

caliper removal, overhaul and installation - 9-4
 disc inspection, removal and installation - 9-6
 pad replacement - 9-3

Distributor

cap check and replacement - 1-33
 removal and installation - 5-4
 rotor check and replacement - 1-33

Door

lock and lock control removal and installation - 11-8
 regulator removal and installation - 11-4
 removal, installation and adjustment - 11-4
 trim panel removal and installation - 11-3
 window glass removal and installation - 11-4

Driveaxle (front - 4WD)

boot check - 1-19
 boot replacement - 8-17
 removal and installation - 8-17

Drivebelt check, adjustment and replacement - 1-24

Driveshaft

center bearing replacement - 8-12
 check - 8-11
 removal and installation - 8-11

Drum brake shoe replacement

front - 9-7
 rear - 9-8

Dwell adjustment - 1-16

E

Electrical system

alternator removal and installation - 5-5
 bulbs - 12-7
 charging system
 check - 5-5
 general information - 5-5

- circuit breakers - 12-2
 - fuses - 12-1
 - fusible links - 12-2
 - hazard flasher - 12-2
 - headlight
 - adjustment - 12-6
 - removal and installation - 12-5
 - starter
 - check - 5-6
 - general information - 5-6
 - removal and installation - 5-6
 - switch (ignition) removal and installation - 12-3
 - troubleshooting - 12-0
 - turn signal flasher - 12-2
 - wiring diagrams - 12-8
 - Emissions systems**
 - air injection system - 6-3
 - air intake temperature control system - 6-9
 - carburetor control systems - 6-9
 - catalytic converter - 6-11
 - EGR valve replacement - 1-35
 - Evaporative Emissions Control (EEC) system - 6-5
 - Exhaust Gas Recirculation (EGR) system - 6-10
 - engine control system - 6-11
 - general information - 6-1
 - oxygen sensor - 1-35
 - PCV valve check and replacement - 1-31
 - Positive Crankcase Ventilation (PCV system) - 6-2
 - Thermostatic air cleaner check - 1-23
 - Engine**
 - block
 - cleaning - 2B-22
 - inspection - 2B-23
 - break-in - 2B-33
 - camshaft
 - bearing inspection - 2B-16
 - removal and installation - 2A-20
 - compression check - 2B-8
 - coolant temperature sending unit - 3-5
 - crankshaft
 - inspection - 2B-26
 - installation - 2B-29
 - main bearing
 - inspection - 2B-26
 - oil clearance check - 2B-29
 - oil seal replacement
 - during overhaul - 2B-30
 - in-vehicle
 - front - 2A-5
 - rear - 2A-26
 - removal - 2B-21
 - cylinder honing - 2B-16
 - disassembly sequence - 2B-9
 - exhaust manifold removal and installation - 2A-4
 - firing order - 2A-0
 - general information - 2B-7
 - honoring - 2B-24
 - initial start-up after overhaul - 2B-33
 - intake manifold removal and installation - 2A-4
 - main bearing
 - inspection - 2B-26
 - oil clearance check - 2B-29
 - main seal replacement
 - during overhaul - 2B-30
 - in-vehicle
 - front - 2A-5
 - rear - 2A-26
 - mount replacement - 2A-27
 - numbers - 0-7
 - oil pan removal and installation - 2A-24
 - oil pump removal and installation
 - 2.6L engine - 2A-18
 - pre-1985 engines - 2A-16
 - timing belt-equipped engine - 2A-15
 - oil seal replacement
 - front - 2A-5
 - rear - 2A-26
 - overhaul, general information - 2B-7
 - piston and rod
 - bearing oil clearance check - 2B-31
 - inspection - 2B-24
 - installation - 2B-31
 - removal - 2B-20
 - piston ring installation - 2B-27
 - reassembly sequence - 2B-27
 - rebuilding alternatives - 2B-9
 - removal and installation - 2B-8
 - removal methods and precautions - 2B-8
 - repair operations possible with engine in vehicle - 2A-3
 - ring installation - 2B-27
 - rocker arm cover removal and installation - 2A-4
 - rocker arm removal and installation - 2A-20
 - rod bearing
 - inspection - 2B-26
 - oil clearance check - 2B-29
 - timing belt removal, installation and adjustment - 2A-10
 - timing chain and sprocket removal and installation - 2A-7
 - timing chain cover removal and installation - 2A-7
 - Top Dead Center (TDC) for number one piston - locating - 2A-3
 - valve
 - adjustment - 1-17
 - servicing - 2B-19
 - valve seal installation - 2B-19
 - vibration damper/pulley removal and installation - 2A-5
 - Evaporative Emission Control (EEC) system - 6-5**
 - Exhaust Gas Recirculation (EGR) system - 6-10**
 - Exhaust manifold removal and installation - 2A-4**
 - Exhaust system**
 - catalytic converter - 6-11, 4-12
 - check - 1-19
 - component replacement - 4-11, 4-12
- ## F
- Fan and clutch check and replacement - 3-3**
 - Fasteners - 0-8**
 - Firing order - 2A-0**
 - Fluid level checks - 1-6**
 - Four-wheel drive system**
 - CV joint overhaul - 8-17
 - driveaxle boot replacement - 8-17
 - freewheel hub removal, overhaul and installation - 8-15
 - front differential removal and installation - 8-15
 - front wheel bearing check, repack and adjustment - 1-30
 - general information - 7C-0, 8-2, 8-10
 - transfer case removal and installation - 7C-0
 - Freewheel hub (4WD) removal, overhaul and installation - 8-15**
 - Front (crankshaft) seal replacement - 2A-5**
 - Front wheel bearing check, repack and adjustment**
 - 2WD - 1-28
 - 4WD - 1-30
 - Fuel filter replacement - 1-25**
 - Fuel hose - 4-1**
 - Fuel injection system description, checking and component replacement - 4-5**
 - Fuel pump**
 - check - 4-2
 - removal and installation - 4-3
 - Fuel system**
 - accelerator cable removal and installation - 4-10
 - accelerator pedal removal and installation - 4-11

- carburetor
 - adjustment
 - float level - 1-26
 - general information - 1-26
 - idle speed - 1-26
 - idle speed switch - 1-26
 - choke check - 1-15
 - general information - 4-0
 - mounting nut torque check - 1-26
 - removal and installation - 4-5
- check - 1-22
- filter replacement - 1-25
- fuel line repair and replacement - 4-1
- fuel pump
 - check - 4-2, 4-6
 - removal and installation - 4-3, 4-7
- general information - 4-0
- specifications - 4-0
- tank cleaning and repair - 4-1
- tank removal and installation - 4-0

Fuel tank

- cleaning and repair - 4-1
- removal and installation - 4-0

Fuses - 12-1**Fusible links - 12-2****G****Glass replacement - 11-2, 11-4****H****Hazard flasher - 12-2****Head (cylinder)**

- cleaning and inspection - 2B-14
- disassembly - 2B-13
- reassembly - 2B-19
- removal and installation - 2A-22

Headlight

- adjustment - 12-6
- removal and installation - 12-5

Heater blower removal and installation - 3-5**Heater removal and installation - 3-6****Hinge maintenance - 11-2****Honing - 2B-24****Hood removal, installation and adjustment - 11-3****Hose**

- check and replacement - 1-13
- removal tips - 0-11

I**Identification numbers - 0-6****Idle speed check and adjustment - 1-26****Ignition point replacement and adjustment - 1-16****Ignition switch removal and installation - 12-3****Ignition system**

- check - 5-3
- coil check and replacement - 5-3
- distributor removal and installation - 5-4
- general information - 5-2
- point replacement - 1-16

Ignition timing check and adjustment - 1-34**Instrument cluster removal and installation - 12-4****Intake manifold removal and installation - 2A-4****Introduction - 0-5****J****Jacking - 0-15****Jump starting - 0-15****K****Kickdown switch check, adjustment and replacement - 7B-2****L****Leaf spring removal and installation - 10-13****Light bulb replacement - 12-7****Light switch removal and installation - 12-4****Lock maintenance - 11-2****Lubricants - 0-17****Lubrication - 1-18****M****Main bearing**

- inspection - 2B-26
- oil clearance check - 2B-29

Main seal replacement

- front - 2A-5
- rear - 2A-26

Maintenance schedule - 1-5**Maintenance techniques, tools and working facilities - 0-8****Manual transmission**

- general information - 7A-0
- oil change - 1-27
- oil level check - 1-20
- oil seal replacement - 7A-1
- overhaul information - 7A-4
- removal and installation - 7A-1
- shift lever removal and installation - 7A-0

Master cylinder removal, overhaul and installation - 9-12**Metric conversion - 0-19****Motor mount replacement - 2A-27****O****Oil**

- change - 1-14
- filter change - 1-14
- level check - 1-6
- viscosity recommendations - 1-0

Oil pan removal and installation - 2A-24**Oil seal replacement (engine)**

- front - 2A-5
- rear - 2A-26

Oxygen sensor - 1-35**P****Parking brake**

- adjustment - 9-15
- cable replacement - 9-16
- check - 1-22

PCV

- system - 6-2
- valve check and replacement - 1-31

Piston and connecting rod

- inspection - 2B-24
- installation - 2B-31
- removal - 2B-20

Piston ring installation - 2B-27

Pitman arm removal and installation - 10-13

Positive Crankcase Ventilation (PCV)

system - 6-2

valve check and replacement - 1-31

Power brake booster check, removal and installation - 9-14

Power steering

bleeding - 10-16

fluid level check - 1-9

gear removal and installation - 10-14

pump removal and installation - 10-15

R

Radiator removal and installation - 3-3

Rear main seal replacement

during overhaul - 2B-30

in-vehicle - 2A-26

Rebuilding alternatives - 2B-9

Recommended lubricants and fluids - 1-0

Ring installation - 2B-27

Rocker arm removal and installation - 2A-20

Rocker arm cover removal and installation - 2A-4

Rod

bearing inspection - 2B-26

bearing oil clearance check - 2B-31

inspection - 2B-24

installation - 2B-31

removal - 2B-20

Rotor (brake disc) inspection, removal and installation - 9-6

Routine maintenance - 1-5

S

Safety - 0-18

Sealants - 0-17

Seatbelt check - 1-24

Shift linkage adjustment - 7B-1

Shock absorber removal and installation

front - 10-6

rear - 10-11

Spark plug

diagnosis - 1-29

replacement - 1-32

Spark plug wire check and replacement - 1-33

Stabilizer bar removal and installation - 10-5

Starter

check - 5-6

general information - 5-6

removal and installation - 5-6

Steering system

check - 1-19

Pitman arm removal and installation - 10-13

power steering bleeding - 10-16

power steering pump removal and installation - 10-15

steering gear removal and installation - 10-14

steering linkage removal and installation - 10-13

steering wheel removal and installation - 10-13

wheel (front end) alignment general information - 10-16

Suspension system

balljoint check and replacement - 10-9

check - 1-191

coil spring removal and installation - 10-6

general information - 10-3

lower suspension arm and balljoint removal and installation - 10-9

rear leaf spring removal and installation - 10-13

shock absorber removal and installation

front - 10-6

rear - 10-11

stabilizer bar removal and installation - 10-5

tension rod removal and installation - 10-7

torsion bar removal and installation - 10-7

upper suspension arm removal and installation - 10-8

T

Thermostat check and replacement - 3-2

Thermostatic air cleaner check - 1-23, 6-9

Throttle cable removal and installation - 4-10

Timing chain and sprocket removal, inspection and installation - 2A-7

Timing check and adjustment - 1-34

Timing chain cover removal and installation - 2A-7

Tire and tire pressure checks - 1-9

Tire rotation - 1-21

Tools - 0-11

Top dead center locating - 2A-3

Towing - 0-15

Transfer case (4WD)

oil change - 1-26

oil level check - 1-20

removal and installation - 7C-0

Troubleshooting - 0-20

Tune-up - 1-6

Turn signal flasher - 12-2

Turn signal light bulb replacement - 12-7

U

Underhood hose check and replacement - 1-13

Universal joint replacement - 8-12

Upholstery maintenance - 11-0

V

Vacuum booster check, removal and installation - 9-14

Vacuum hoses - 1-14

Valve adjustment - 1-17

Valve seal installation - 2B-19

Valve servicing - 2B-19

Vehicle Emissions Control Information (VECI) label - 0-7, 6-2

Vehicle identification numbers - 0-6

W

Water pump

check - 3-4

removal and installation - 3-5

Wheel alignment general information - 10-16

Wheel bearing check, repack and adjustment

2WD - 1-28

4WD - 1-30

Wheel cylinder removal, overhaul and installation - 9-11

Window glass and regulator removal and installation - 11-4

Windshield replacement - 11-2

Windshield wiper motor removal and installation - 12-6

Wiper blade inspection and replacement - 1-13

Wiring diagrams - 12-8

Working facilities - 0-14

