

A

Abbreviations.....	0A-19
ABS Operation.....	5E1-4
A/C Noise Diagnosis.....	1B-16
A/C System Odor Procedure.....	1B-26
A/C System (Suburban) Rear.....	1B-39
A/C System Capacities.....	1B-46
Accessory Switch Replacement.....	8C-15
Accumulator (HVAC).....	1B-34
Accumulator Housing Assembly, Removal.....	7A17D-13
Actuator (HVAC), Mode.....	1B-39
Actuator, Temperature/Defrost (HVAC).....	1B-39
Actuator Replacement, Thermal.....	4C-5
Adjustable Belt Tension Specifications.....	0B-26
Adjustment, Duo-Servo Drum Brake.....	5C2-4
Adjustment, Leading/Trailing Drum Brake.....	5C1-6
Air Cleaner (6.5L V8).....	6C-2
Air Cleaner Filter Replacement (6.5L V8).....	6C-2
Air Conditioning System Odor Procedure.....	1B-26
Air Deflector Replacement.....	2A-7
Air Distribution System (HVAC).....	1B-4
Air Distributor Duct (Heater).....	1A-13
Air Distributor Duct (HVAC).....	1B-38
Alignment Specifications, Two Wheel Drive.....	3A-10
Alignment Specifications, Four Wheel Drive.....	3A-11
All Seasons Tires.....	3E-2
Aluminum Wheels.....	3E-13
Amplifier, Radio.....	9A-8
Anchor Plate Wear Adjustments, Front Disc Brake Caliper.....	5B1-10
Anchor Plate Wear Adjustments, Rear Disc Brake Caliper.....	5B2-6
Anchor Plate, Front Disc Brake.....	5B1-11
Anchor Plate, Rear Disc Brake.....	5B2-7
Antennas.....	9A-14
Antenna Cable Replacement.....	9A-15
Antenna Replacement.....	9A-33
Appliques Replacement, Adhesive-Retained.....	2B-23
Approximate Fluid Capacities.....	0B-25
Ashtray Lamp Replacement.....	8B-13
Assist Handle Replacement.....	10A4-2
Audio Systems.....	9A-2
Audio Systems Diagnosis.....	9A-7
Automatic Transmission Diagnosis, 4L80E ...	7A17A-1
Band Apply Pin Check for Rear Servo Assembly.....	7A17D-13
Changing the Fluid and Filter.....	7A17D-6
Clutch Application Chart.....	7A17A-11
Component Resistance Chart.....	7A14A-38
Control Valve Assembly.....	7A17D-11
Control Valve Assembly and Accumulator Housing Installation.....	7A17D-11
Diagnosis, Torque Converter Clutch.....	7A17D-3
Electronic Component Location.....	7A17A-14
Electrical/Garage Shift Test.....	7A17A-3
Flexplate/Torque Converter Vibration Test.....	7A14A-22
Fluid Flow and Circuit Descriptions.....	7A14A-54
Fluid Leak Diagnosis.....	7A14A-52
Fluid Passages Identification.....	7A14A-78
Front Servo Replacement.....	7A17D-15
Functional Test Procedure.....	7A14A-17

Hoist Test Procedure.....	7A17A-3
Internal Wiring Harness Check.....	7A14A-36
Leak Inspection Points.....	7A14A-53
Line Pressure Test Procedure.....	7A14A-17
Noise and Vibration Analysis.....	7A17A-6
Oil Level Indicator Tube Replacement.....	7A17D-18
Park Lock Pawl and Actuator Assembly ...	7A17D-8
Preliminary Checking Procedures.....	7A17A-6
Pressure Switch Assembly Resistance Check.....	7A14A-39
Rear Servo Accumulator.....	7A17D-17
Road Test Procedure.....	7A14A-20
Shift Cable.....	7A17D-4
Shift Conditions.....	7A14A-1
Shift Speed Chart.....	7A17A-10
Solenoid, 1-2.....	7A17A-15
Solenoid, 2-3.....	7A17A-16
Solenoid, Pressure Control.....	7A17A-15
Solenoid, Torque Converter Clutch.....	7A17A-15
Switch Assembly, Resistance Check Pressure.....	7A14A-39
TCC Shudder.....	7A14A-21
Throttle Positions.....	7A14A-1
Transmission Adapt Function.....	7A14A-3
Transmission Component and System Descriptions.....	7A14A-3
Transmission Cooler Flushing.....	7A17D-27
Transmission Electrical Connector.....	7A14A-9
Transmission Fluid Checking Procedure ..	7A14A-16
Transmission Replacement.....	7A17D-23
Trouble Code Actions.....	7A14A-14
Torque Converter Clutch (TCC) Diagnosis.....	7A14A-20
Torque Converter Evaluation.....	7A14A-20
Auxiliary Camper Battery (Gas Engine Vehicles).....	6D1-4
Auxiliary Cooling Fan Engine Coolant Temperature Sensor.....	6B-30
Auxiliary Cooling Fan Relay.....	6B-30
Auxiliary Cooling Fan Replacement.....	6B-29
Auxiliary Heater.....	1A-16
Axle Replacement, Drive.....	4C-6
Axle Shaft Replacement, (10 1/2-Inch Ring Gear).....	4B1-13
Axle Shaft Replacement, (11-Inch Ring Gear).....	4B1-16
Axle Shaft (Output Shaft) and Seal Replacement (Left Side).....	4C-10
Axle Shaft (Output Shaft) and Seal Replacement (Right Side).....	4C-10

B

Backing Plate, Duo-Servo Drum Brake.....	5C2-4
Backing Plate, Leading/Trailing Drum Brake.....	5C1-5
Balance Shaft Replacement (4.3L).....	6A3-18
Balancing Tire And Wheel.....	3E-12
Balancing Tires and Wheels.....	0C-8
Ball Joint Wear Check.....	3C-4
Battery:	
Charging.....	6D1-7
Electrical Drain.....	6D1-5
Freezing.....	6D1-2
Protection During Vehicle Storage.....	6D1-3

2 - INDEX

Replacement.....	6D1-9
Specifications.....	6D1-11
Testing	6D1-5
Bearing Adjustment.....	4B1-15
Bearing Replacement, Differential Pilot.....	4C-17
Belt Tensioner	6B-31
Bench Bleeding.....	5A1-3
Bleeding Brake Hydraulic System	5A-12
Bleeding System, 4WAL.....	5E1-76
Bleeding the Hydraulic Booster System	5D2-9
Block Heater	9E-1
Blower Motor and Fan (Aux. Heater)	1A-20
Blower Motor and Fan (Aux. HVAC)	1B-45
Blower Motor and Fan (Heater)	1A-12
Blower Motor and Fan (HVAC)	1B-36
Blower Motor Relay (HVAC)	1B-32
Blower Motor Resistor (Aux. Heater).....	1A-
Blower Motor Resistor (Aux. HVAC).....	1B-44
Blower Motor Resistor (Heater)	1A-11
Blower Motor Resistor (HVAC)	1B-36
Blower Noise.....	1A-4
Blower Speed Control	1A-2
Blower Switch (Heater), Control Assembly and	1A-10
Brake:	
4WAL Bleeding System	5E1-76
4WAL Brake Pressure Modulator Valve	5E1-7,79
4WAL Clearing Diagnostic Trouble Codes ...	5E1-11
4WAL Component Location Views	5E1-9
4WAL Connector Face Views.....	5E1-16
4WAL Diagnosis.....	5E1-10
4WAL Diagnostic Trouble Code and Symptom Table.....	5E1-17
4WAL Displaying Diagnostic Trouble Codes.....	5E1-11
4WAL Front Wheel Speed Sensor.....	5E1-7,86
4WAL Functional Test.....	5E1-12
4WAL System Operation	5E1-3
4WAL Wiring Diagram.....	5E1-14
Brake Adjustment, Duo-Servo Drum.....	5C2-4
Brake Adjustment, Leading/Trailing Drum	5C1-6
Brake Anchor Plate, Front Disc.....	5B1-10
Brake Anchor Plate, Rear Disc.....	5B2-6
Brake Backing Plate Replacement	4B1-10
Brake Backing Plate, Duo-Servo Drum	5C2-4
Brake Backing Plate, Leading/Trailing Drum.....	5C1-6
Brake Caliper and Anchor Plate Wear Adjustments, Front Disc.....	5B1-10
Brake Caliper and Anchor Plate Wear Adjustments, Rear Disc	5B2-6
Brake Caliper Inspection, Front Disc.....	5B1-4
Brake Caliper Inspection, Rear Disc	5B2-3
Brake Caliper, Front Disc	5B1-12
Brake Caliper, Rear Disc.....	5B2-4
Brake Diagnosis, Duo-Servo Drum.....	5C2-2
Brake Diagnosis, Front Disc	5B1-2
Brake Diagnosis, Leading/Trailing Drum	5C1-2
Brake Diagnosis, Rear Disc.....	5B2-2
Brake Drum Inspection:	
Duo-Servo.....	5C2-2
Leading/Trailing	5C1-2

Brake Drum, Duo-Servo	5C2-2
Brake Drum, Leading/Trailing.....	5C1-3
Brake Fluid Leaks	5A-3
Brake Hose and Pipe Inspection	5A-3
Brake Lining Inspection:	
Duo-Servo Drum	5C2-2
Front Disc.....	5B1-2
Leading/Trailing Drum	5C1-2
Rear Disc	5B2-2
Brake Linings:	
Duo-Servo Drum	5C2-2
Front Disc.....	5B1-8
Leading/Trailing Drum	5C1-2
Rear Disc	5B2-4
Brake Pedal	5A-9
Brake Pedal Travel.....	5A-5
Brake Pressure Modulator Valve	5E1A-4,53
Brake Rotor Inspection, Front Disc	5B1-2
Brake Rotor Inspection, Rear Disc	5B2-3
Brake Rotor Refinishing	5B1-11
Brake Rotor, Front Disc	5B1-10
Brake Rotor, Rear Disc	5B2-3
Brake System Diagnosis.....	5A-2
Brake System Testing	5A-2
Brake Systems.....	5A1-5
Brake Wheel Cylinder, Duo-Servo Drum.....	5C2-4
Brake Wheel Cylinder, Leading/Trailing Drum ...	5C1-7
Brake, Duo-Servo Drum	5C2-2
Brake, Leading/Trailing Drum.....	5C1-2
Brakes, Front Disc.....	5B1-1
Brakes, Rear Disc	5B2-2
Bumper Filler Center Panel Replacement, Front	2A-7
Bumper Filler Side Panel Replacement, Front ...	2A-8
Bumper Replacement, Front	2A-7
Bumper Replacement, Rear.....	2A-10
Bushing Replacement, Rear Suspension	3D-1

C

Cab and Body Maintenance	10B-1
Cab Mount Replacement.....	2B-23
Cable Replacement, Hood Release	2B-4
Cable, Cruise Control.....	9B-4
Calibrator, Vehicle Speed Sensor	5E1-5,57
Caliper and Anchor Plate Wear Adjustments:	
Front Disc Brake	5B1-10
Rear Disc Brake.....	5B2-6
Caliper Inspection, Front Disc Brake.....	5B1-4
Caliper Inspection, Rear Disc Brake	5B2-3
Caliper, Front Disc Brake	5B1-4
Caliper, Rear Disc Brake	5B2-4
Camber Adjustment.....	3A-6
Camper and Trailer Wiring.....	8D-1
Camper Battery.....	6D1-4
Camshaft Replacement:	
4.3L V6	6A3-21
5.0 and 5.7L V8	6A4-20
6.5L Diesel	6A6-18
7.4L V8	6A5-18
Accessory/Dome Lamp and Hatch Release Switch Replacement	8B-13
Cargo/Stoplamp Replacement.....	8B-2
Carpet Replacement, Rear Panel.....	10A4-14
Carrier Case Bushing Replacement	4C-13

Carrier Replacement.....	4C-13	Control Assembly Lamp Bulb (Heater).....	1A-10
Caster Adjustment.....	3A-6	Control Cable (Heater), Defrost.....	1A-11
Cassette Tape Player (ULO).....	9A-5	Control Cable (Heater), Temperature.....	1A-11
CCOT A/C System.....	1B-3	Control Switch (Aux. Heater).....	1A-16
CDR Valve and Hoses (6.5L V8).....	6E2-3	Controls (Heater).....	1A-2
CDR Valve Test (6.5L V8).....	6E2-2	Coolant Diagnosis.....	6B-12
Center Bearing.....	4A-3	Coolant Hydrometer.....	6B-12
Center Bearing Replacement.....	4A-10	Coolant Recovery Tank.....	6B-4
Center High-Mounted Stoplamp Replacement.....	8B-3	Coolant Surge Tank Replacement.....	6B-5
Charging (HVAC).....	1B-22	Coolant Temperature Sensor Replacement.....	8C-14
Charging System.....	6D3-1	Coolant Tester.....	6B-12
Checking Wheel and Tire Runout.....	3E-10	Cooling System Diagnosis.....	6B-6
Checking Wheel Mounting Surface.....	3E-3	Cooling System.....	6B-1
Checking Wiper Arm Pressure.....	8E1-4	Cooling System Flushing.....	6B-15
Child Seat Top Tether Anchor Points.....	10A2-15	Cooling System Exhaust Leaks.....	6B-3
Child Seat Top Tether Back Panel Installation.....	10A2-16	Cooling System Problems Uncommon.....	6B-6
Cleaning Agents.....	10B-1	Cooling System Checks.....	6B-6
Cleaning Bright Metal Parts.....	10B-3	Cooling System Draining and Filling.....	6B-14
Cleaning Fabric Trim.....	10B-2	Cooling System Diagnosis.....	6B-6
Cleaning Glass Surfaces.....	10B-2	Core (Heater), Heater.....	1A-19
Cleaning Vinyl Trim.....	10B-2	Core (HVAC), Evaporator.....	1B-36
Close-Couple Catalytic Converter Replacement.....	6F-3	Core (HVAC), Heater.....	1B-38
Clutch, Replacement.....	7C-6	Core, Evaporator (Aux. HVAC).....	1B-45
Clutch Driven Members.....	7C-2	Correcting Non-Uniform Tires.....	0C-10
Clutch Driving Members.....	7C-2	Corrosion Treatment.....	2B-26
Clutch, Hydraulic System Bleeding.....	7C-5	Cowl Vent Grille Replacement.....	2B-5
Clutch Operating Members.....	7C-2	Crankcase Ventilation System (6.5L V8).....	6E2-1
Clutch Pedal Replacement.....	7C-4	Cranking Speed Test (Diesel Engine).....	6A-4
Coat Hook Replacement.....	10A4-2	Cranking System.....	6D2-1
Coding Lock Cylinders.....	0A-13	Crankshaft Main Bearing Replacement: 4.3L V6.....	6A3-24
Coil Replacement.....	6D4-8	5.0L and 5.7L V8.....	6A4-25
Coil Spring Replacement.....	3C-17	6.5L Diesel V8.....	6A6-23
Combination Valve Circuit Test.....	5-5	7.4L V8.....	6A5-22
Combination Valve Warning Switch Test.....	5-5	Crankshaft Rear Oil Seal Replacement: 4.3L V6.....	6A3-16
Compact Disc Care.....	9A-8	5.0L and 5.7L V8.....	6A4-19
Compact Disc Player (UNO).....	9A-6	7.4L V8.....	6A5-17
Companion Flange Runout Gage.....	0C-6	Crankshaft Rear Oil Seal Retainer Replacement: 4.3L V6.....	6A3-17
Compartment Replacement, Front Floor.....	10A4-3	5.0L and 5.7L V8.....	6A4-20
Composite Headlamp Adjustment.....	8B-4	Crankshaft Replacement: 4.3L V6.....	6A3-26
Composite Headlamp Bulb Replacement.....	8B-3	5.0L and 5.7L V8.....	6A4-26
Compression/Cranking Speed Checks.....	6A-3	7.4L V8.....	6A5-23
Compressor Hose Assembly Replacement.....	1B-28	Cruise Control Cable.....	9B-4
Compressor (HVAC).....	1B-27	Cruise Control.....	9B-1
Compressor and Condenser Hose Assembly (Aux. HVAC).....	1B-41	Cruise Control Module Replacement.....	9B-4
Compressor and Condenser Hose Assembly (HVAC).....	1B-28	Cruise System Functional Check.....	9B-3
Compressor Pressure Switch (HVAC).....	1B-31	Cutting Keys.....	0A-13
Compressor Sealing Washers (HVAC).....	1B-28	Cylinder Head Repair: 4.3L V6.....	6A3-13
Condenser Replacement.....	1B-32	5.0L and 5.7L V8.....	6A4-15
Connecting Rod And Piston Replacement: 4.3L V6.....	6A3-23	6.5L Diesel.....	6A6-14
5.0L and 5.7L V8.....	6A4-23	7.4L V8.....	6A5-14
6.5L Diesel.....	6A6-21	Cylinder Head Replacement: 4.3L V6.....	6A3-12
7.4L V8.....	6A5-19	5.0L and 5.7L V8.....	6A4-14
Console Replacement, Floor.....	10A4-3	6.5L Diesel.....	6A6-12
Console Replacement, Overhead.....	10A4-7	7.4L V8.....	6A5-14
Control Assembly (Aux. HVAC).....	1B-40	Cylinder, Duo-Servo Drum Brake Wheel.....	5C2-3
Control Assembly and Blower Switch (Heater).....	1A-10	Cylinder, Leading/Trailing Drum Brake Wheel.....	5C1-6
Control Assembly and Blower Switch (HVAC).....	1B-38		

4 - INDEX

D

Daytime Running Lights 5F-2
Decal Replacement.....2B-26
Defogger Grid Line Repair10A3-12
Defogger System, Rear Window
 Diagnosis 10A3-11
Defogger System, Rear Window.....10A3-10
Defrost Control Cable (Heater) 1A-11
Determining Rear Axle Noise.....4B1-3
Diagnosis of:
 Battery6D1-5
 Clutch.....7C-3
 Cranking System.....6D2-4
 Cruise Control9B-3
 Distributor Ignition System.....6D4-3
 Drive Belt System6B-31
 Duo-Servo Drum Brake5C2-2
 Electronic Shift Transfer Case.....7D1A-7
 Front Disc Brake5B1-2
 Front Wheel Alignment3A-5
 Generator.....6D3-2
 Heater1A-3
 Horn System.....8D-1
 Leading/Trailing Drum Brake5C1-2
 Manual Seat Adjuster10A2-2
 Master Cylinder5A1-2
 Noises.....6A-9
 Poor Fuel Economy/Smoke/Oil/Odors.....6A-11
 Power Door Lock System Switch
 Replacement.....10A1-4
 Power Problems6A-7
 Power Window System Switch
 Replacement.....10A1-4
 Radio9A-7
 Rear Disc Brake.....5B2-2
 Rear Window Wiper/Washer System8E2-1
 "Service Fuel Filter" Light6A-3
 Six Way Power Seat Adjuster10A2-2
 Spark Plugs6A-13
 Starter Motor Noise.....6D2-6
 Starting/Idling/Shutoff Problems.....6A-11
 Steering Linkage3B-32
 Windshield Wiper/Washer System8E1-2
Diesel Emissions6E2-1
Diesel Engine Compression Test.....6A-2
Diesel Engine Diagnosis6A-2
Diesel Engine Fuel Filters6C-5
Diesel Fuel Injection6C2-1
Diesel Fuel Manager/Filter Element
 Replacement.....6C-6
Diesel Fuel System Contamination.....6C-10
Diesel Glow Plug Electrical System6D6-1
Diesel Surge Tank6B-20
Differential, 11 Inch Ring Gear4B5-1
Differential, Locking4B7-1
Differential Pilot Bearing Replacement.....4C-11
Disc Brake Anchor Plate, Front5B1-10
Disc Brake Anchor Plate, Rear.....5B2-6
Disc Brake Caliper and Anchor Plate Wear
 Adjustments:
 Front5B1-9
 Rear5B2-6

Disc Brake Caliper Inspection:
 Front5B1-4
 Rear5B2-3
Disc Brake Caliper, Front.....5B1-11
Disc Brake Caliper, Rear5B2-4
Disc Brake Diagnosis, Front5B1-3
Disc Brake Diagnosis, Rear.....5B2-2
Disc Brake Lining Inspection, Front5B1-3
Disc Brake Lining Inspection, Rear5B2-2
Disc Brake Linings, Front.....5B1-9
Disc Brake Linings, Rear5B2-4
Disc Brake Rotor Inspection, Front5B1-3
Disc Brake Rotor Inspection, Rear5B2-3
Disc Brake Rotor, Front5B1-2
Disc Brake Rotor, Rear5B2-3
Disc Brakes, Front.....5B1-2
Disc Brakes, Rear5B2-2
Distributor Replacement.....6D4-5
Distributor Ignition (DI) System.....6D4-2
Distributor Ignition Coil Test6D4-4
Distributor Inspection6D4-3
Distributor Unit Repair Information6D4-2
Door Adjustment.....10A1-11
Door Hardware Lubrication10A1-12
Door Hinge Check Assembly, Cargo.....10A1-36
Door Hinge Replacement.....10A1-9, 18, 26
Door Inside Handle Assembly
 Replacement10A1-12, 29
Door Lock Cylinder and Outside Handle
 Replacement10A1-14, 32
Door Lock Actuator.....10A1-13, 31
Door Lock Switch Replacement, Master10A1-4
Door Lock Assembly10A1-13
Door Panel Inner Water Deflector
 Replacement10A1-6, 25, 34
Door Pressure Relief Valve Replacement.....10A1-16
Door Replacement, Cargo.....10A1-35
Door Replacement.....10A1-7, 18, 26, 35
Door Striker Bolt Replacement10A1-11, 28
Door Strikers, Cargo.....10A1-37, 39
Door Trim Panel Replacement.....10A1-5, 17, 34
Doors.....10A1-1
Door, Upper Garnish Molding Replacement.....10A4-3
Drag Link Replacement.....3B3-4
Drain and Fill, Front Axle.....4C-4
Drain Cock6B2-4
Draining Fuel from Filter Element Housing
 (6.5L V8).....6C-6
Draining the Fuel Tank.....6C-9
Draining Water from the Fuel Manager/Filters:
 6.5L Diesel6C-5
Drive Axle (Halfshaft) Replacement.....4C-6
Drive Axles (Halfshafts), Diagnosis of the4C-3
Drive Belt Inspection6B-35
Drive Belt Installation6B-35
Drive Belt Pulley Inspection6B-35
Drive Belt Replacement6B-35
Drive Belt Service.....6B-35
Drive Belt Tensioner Inspection6B-30
Drive Belt Tensioner Replacement6B-31
Driveline Angles0C-16
Driveline Vibrations.....0C-11
DRL Module and Relay Replacement.....8B-14

Drum Brake Adjustment, Duo-Servo.....	5C2-4
Drum Brake Adjustment, Leading/Trailing	5C1-6
Drum Brake Backing Plate, Duo-Servo	5C2-4
Drum Brake Backing Plate, Leading/Trailing.....	5C1-6
Drum Brake Diagnosis, Duo-Servo	5C2-2
Drum Brake Diagnosis, Leading/Trailing	5C1-2
Drum Brake Lining Inspection, Duo-Servo.....	5C2-2
Drum Brake Lining Inspection, Leading/ Trailing	5C1-2
Drum Brake Linings, Duo-Servo	5C2-3
Drum Brake Linings, Leading/Trailing	5C1-2
Drum Brake Wheel Cylinder, Duo-Servo.....	5C2-2
Drum Brake Wheel Cylinder, Leading/ Trailing	5C1-7
Drum Brake, Duo-Servo	5C2-2
Drum Brake, Leading/Trailing.....	5C1-2
Drum Inspection, Duo-Servo Brake	5C2-2
Drum Inspection, Leading/Trailing Brake.....	5C1-2
Drum, Duo-Servo Brake	5C2-2
Drum, Leading/Trailing Brake.....	5C1-2
Dual Mass Flywheel:	
Diagnosis - 6.5L V8 (VIN F).....	6A6-30
Repair/Replace - 6.5L (VIN F)	6A6-30
Duct, Air Distributor (HVAC).....	1B-38
Duo-Servo Brake Drum Inspection	5C2-2
Duo-Servo Brake Drum	5C2-2
Duo-Servo Drum Brake Backing Plate.....	5C2-4
Duo-Servo Drum Brake Diagnosis.....	5C2-2
Duo-Servo Drum Brake Lining Inspection	5C2-2
Duo-Servo Drum Brake Linings	5C2-2
Duo-Servo Drum Brake Wheel Cylinder.....	5C2-4
Duo-Servo Drum Brake	5C2-2
Dust Leaks	10B-3

E

Electric Lift Pump (6.5L V8)	6C-8
Electrolyte Freezing	6D1-2
Electronic Accelerator (6.5L V8)	6C-14
Electronic Controls, Transfer Case	7DIA-1
Electronic Vibration Analyzer (EVA).....	0C-6
Electrostatic Discharge Sensitive Parts	0A-2
Emblem Replacement, Adhesive-Retained	2B-23
Emissions	6E-1
Encoder Signal Check.....	7DIA-8
End Gate Lamp Replacement.....	8B-6
End Gate Replacement.....	10A5-1
End Gate.....	10A5-1
Engagement Switch, Cruise Control	9B-4
Engine:	
Balance Shaft Replacement (4.3L)	6A3-18
Camshaft Replacement:	
4.3L V6.....	6A3-21
7.4L V8.....	6A5-18
Connecting Rod And Piston Replacement:	
4.3L V6.....	6A3-23
7.4L V8.....	6A5-19
Coolant Heater	9E-1
Cooling.....	6B1-2
Crankshaft Main Bearing Replacement:	
4.3L V6.....	6A3-24
7.4L V8.....	6A5-22
Crankshaft Rear Oil Seal Replacement:	
4.3L V6.....	6A3-16
7.4L	6A5-17

Crankshaft Replacement:	
4.3L V6	6A3-26
7.4L V8	6A5-23
Cylinder Head Repair:	
4.3L V6	6A3-13
7.4L V8	6A5-14
Cylinder Head Replacement:	
4.3L V6	6A3-12
7.4L V8	6A5-13
Driveability, And Diagnosis	6A-1
Electrical	6D-1
Engine Oil Viscosity	0B-23
Exhaust Manifold Replacement:	
4.3L V6	6A3-12
7.4L V8	6A5-13
Flywheel Ring Gear Replacement:	
4.3L V6	6A3-26
7.4L V8	6A5-23
Front Cover Replacement:	
4.3L V6	6A3-14
7.4L V8	6A5-15
Front Mounting Replacement:	
4.3L V6	6A3-27
6.5L	6A6-25
7.4L V8	6A5-24
Identification Number	0A-4
Intake Manifold Replacement:	
4.3L V6	6A3-8
7.4L V8	6A5-10
Lubrication:	
4.3L V6	6A3-6
6.5L Diesel.....	6A6B
7.4L V8	6A5-7
Lubrication:	
4.3L V6	6A3-6
5.0L and 5.7L V8.....	6A4-2
7.4L V8	6A5-7
Measuring Camshaft Lobe Lift:	
4.3L V6	6A3-20
7.4L V8	6A5-17
Mountings:	
4.3L V6	6A3-26
5.0L and 5.7L V8.....	6A4-27
6.5L Diesel.....	6A6-24
7.4L V8	6A5-24
Oil and Engine Oil Filter Change.....	0B-23
Oil Cooler Line Replacement	6B-36
Oil Filter Bypass Valve Replacement (6.5L V8)	6A6-24
Oil Pan Replacement:	
4.3L V6	6A3-15
7.4L V8	6A5-16
Oil Pump Repair:	
4.3L V6	6A3-16
7.4L V8	6A5-17
Oil Pump Replacement:	
4.3L V6	6A3-16
7.4L V8	6A5-16
Rear Mounting Replacement:	
4.3L V6	6A3-29
7.4L V8	6A5-25
Overheating	6B-10
Replacement:	
4.3L V6	6A3-29

6 - INDEX

5.0L and 5.7L V8.....	6A4-29
6.5L Diesel.....	6A6-26
7.4L V8.....	6A5-26
Valve Lifter Replacement:	
4.3L V6.....	6A3-7
7.4L V8.....	6A5-7
Valve Rocker Arm and Pushrod Replacement:	
4.3L V6.....	6A3-7
7.4L V8.....	6A5-8
Valve Rocker Arm Cover Replacement:	
4.3L V6.....	6A3-7
7.4L V8.....	6A5-7
Valve Rocker Arm Stud Replacement:	
4.3L V6.....	6A3-12
Valve Stem Seal and Valve Spring Replacement:	
4.3L V6.....	6A3-8
7.4L V8.....	6A5-8
Wiring.....	6D5-1
Evacuation (HVAC).....	1B-21
Evaporator Core (Aux. HVAC).....	1B-45
Evaporator Core (HVAC).....	1B-36
Evaporator Tube (A/C).....	1B-33
Evaporator Tube (Aux. HVAC).....	1B-41
Exhaust Manifold Replacement:	
4.3L V6.....	6A3-12
5.0L and 5.7L V8.....	6A4-13
6.5L Diesel.....	6A6-3
7.4L V8.....	6A5-13
Evaporator Tube Replacement (C69).....	1B-41
Evaporator Core Replacement.....	1B-45
Exhaust Close-Couple Catalytic Converter Replacement.....	6F-4
Exhaust Manifold Left Side (6.5L).....	6A6-3
Exhaust Manifold Right Side (6.5L).....	6A6-3
Exhaust Manifold Replacement (6.5L).....	6A6-3
Exhaust Oxidation Catalytic Converter Replacement (Diesel Engines).....	6F-5
Exhaust Parts, Installing.....	6F-4
Exhaust Parts, Removing.....	6F-3
Exhaust System.....	6F-3
Exhaust System, Diagnosis of the.....	6F-3
Exhaust Three-Way Catalytic Converter Replacement.....	6F-5
Expansion (Orifice) Tube (HVAC).....	1B-35
Exterior Cleaning.....	10B-3

F

Fan And Fan Clutch Replacement.....	6B-23
Fan Clutch Diagnosis.....	6B-10
Fan Clutch Engine Overheating.....	6B-10
Fan Clutch Looseness.....	6B-10
Fan Clutch Noise.....	6B-10
Fan Clutch Silicone Fluid Leaks.....	6B-10
Fan Relay.....	6B-30
Fastener Strength Identification.....	0A-15
Fender Protectors Replacement.....	2B-23
Fender Replacement.....	2B-6
Filling Master Cylinder Reservoir.....	5A-5
Filter Replacement (6.5L V8), Air Cleaner.....	6C-2
Floor Storage Compartment Replacement.....	10A4-3
Fluid Capacities.....	0B-14
Fluids and Lubricants.....	0B-24
Flushing Brake Hydraulic System.....	5-8
Flushing the Cooling System.....	6B-15

Flushing the Hydraulic Booster System.....	5D2-2
Flywheel Replacement (6.5L).....	6A6-30
Flywheel Ring Gear Replacement:	
4.3L V6.....	6A3-26
5.0L and 5.7L V8.....	6A4-26
6.5L Diesel.....	6A6-28
7.4L V8.....	6A5-23
Fog Lamp Adjustment.....	8B-6
Fog Lamp Bulb Replacement.....	8B-7
Foreign Material Deposits.....	10B-3
Fork Replacement, Shift.....	4C-17
Four-Wheel Drive, Diagnosis of the.....	4C-3
Four-Wheel Drive Indicator Lamp Replacement.....	8B-16
Frame Alignment.....	2A-3
Frame and Bumpers.....	2A-1
Frame Bracket Knockout Removal.....	3A-6
Frame Centerline.....	2A-5
Frame Crack Repair.....	2A-5
Frame Diagnosis Of The Frame.....	2A-2
Frame Horizontal Check.....	2A-5
Front Axle I-Beam Front Suspension.....	3C-37
Front Axle, Diagnosis of the.....	4C-2
Front Axle Lubrication.....	4C-21
Front Axle Noise Diagnosis.....	4C-2
Front Axle Vent Hose Replacement.....	4C-5
Front Cover Replacement:	
4.3L V6.....	6A3-14
5.0L and 5.7L V8.....	6A4-17
6.5L Diesel.....	6A6-16
7.4L V8.....	6A5-15
Front Differential Carrier Shield Replacement.....	4C-3
Front Disc Brake Anchor Plate.....	5B1-10
Front Disc Brake Caliper and Anchor Plate Wear Adjustments.....	5B1-10
Front Disc Brake Caliper Inspection.....	5B1-4
Front Disc Brake Caliper.....	5B1-12
Front Disc Brake Diagnosis.....	5B1-3
Front Disc Brake Lining Inspection.....	5B1-3
Front Disc Brake Linings.....	5B1-9
Front Disc Brake Rotor Inspection.....	5B1-3
Front Disc Brake Rotor.....	5B1-10
Front Disc Brakes.....	5B1-1
Front End Alignment, Diagnosis of.....	3A-5
Front End Alignment, Measuring.....	3A-5
Front Engine Mounting Replacement:	
4.3L V6.....	6A3-27
5.0L and 5.7L V8.....	6A4-27
6.5L Diesel.....	6A6-25
7.4L V8.....	6A5-24
Front Parking Lamp Replacement.....	8B-7
Front Side Marker and Reflector Replacement.....	8B-8
Front Suspension And Axle.....	3C-1
Front Suspension, Diagnosis of.....	3C-3
Front Wheel Alignment.....	3A-1
Front Wheel Speed Sensor.....	5E1A-5,54,55
Fuel and Fuel Vapor Hoses.....	6C-11
Fuel Filler Cap.....	6C-11
Fuel Gage Sending Unit Replacement.....	6C-12
Fuel Injection (6.5L).....	6C2-1
Fuel Lines (6.5L V8).....	6C-11
Fuel Pump Flow Test.....	6C-8
Fuel Pump Pressure Test.....	6C-8
Fuel Pump Replacement (6.5L V8).....	6C-8

Fuel Pump Test (6.5L V8).....	6C-8
Fuel Pump.....	6C-8
Fuel System.....	6C-1
Fuel System Cleaning.....	6C-10
Fuel Tank.....	6C-9
Fuel Tank Filler Neck.....	6C-11
Fuel Tank Leak Test.....	6C-10
Fuel Tank Purging.....	6C-10
Fuel Tank Replacement.....	6C-10
Full-Floating Axle (10 1/2-Inch Ring Gear).....	4B1-13
Full-Floating Axle (11-Inch Ring Gear).....	4B1-16
Functional Check, Cruise System.....	9B-3
Functional Test:	
Heater.....	1A-3
HVAC.....	1B-6

G

Gasoline Engine Compression Test.....	6A-2
Gasoline in the Fuel System.....	6C-10
Gate Latch and Rod Replacement.....	10A5-3
Gate Latch Operating Handle Replacement.....	10A5-2
Gate Replacement.....	10A5-1
Gate Striker and Striker Bolt Replacement.....	10A5-4
General Balance Precautions.....	3E-12
General Vehicle Lifting and Jacking.....	0A-11
Generator:	
Bench Check.....	6D3-3
Replacement.....	6D3-4
Glow Plug Electrical System (6.5L).....	6D6-1
Specifications.....	6D3-5
Grille Replacement, Cowl Vent.....	2B-5
Grille Replacement, Radiator.....	2B-5

H

Handle Replacement, Assist.....	10A4-2
Handle Replacement, Gate.....	10A5-5
Handling of Refrigerant Lines and Fittings.....	1B-16
Handling Refrigerant-134a.....	1B-16
Hazard Knob Assembly Replacement.....	3F-6
Headlamp Switch Replacement.....	8B-16
Headliner Replacement.....	10A4-5
Heater and Ventilation.....	1A-1
Heater Assembly, Diagnosis of the (6.5L V8).....	6C-7
Heater Assembly Replacement (6.5L V8).....	6C-7
Heater Core (Aux. Heater).....	1A-18
Heater Core (Heater).....	1A-13
Heater Core (HVAC).....	1B-38
Heater Hoses (Aux. Heater).....	1A-17
Heater Hoses (Heater).....	1A-13
Heater Hoses (HVAC).....	1B-38
Heater Hoses.....	1A-18
Heater Output Temperature Check.....	1A-4
Heater System.....	1A-2
Heater System (HVAC).....	1B-5
Heater, Engine Coolant.....	9E-1
Heater, Ventilation, and Air Conditioning.....	1B-1
Height-Sensing Brake Proportioning Valve	
Adjustment.....	5A-10
High or Low Temperature Control Effort.....	1A-4
Hinge Replacement, Door.....	10A1-9
Horn Replacement.....	8D-3
Horn Switch Replacement.....	3F-7

Hose Assembly (Aux. HVAC), Compressor	
and Condenser.....	1B-41
Hose Assembly (HVAC), Compressor and	
Condenser.....	1B-28
Hose Replacement, Front Axle Vent.....	4C-5
Hoses (HVAC), Heater.....	1B-38
Hoses, Heater.....	1A-18
Hub and Axle Shaft Stud Runout.....	0C-10
Hub and Bearing, Knuckle and Seal	
Assembly Replacement.....	3C-23
Hub And Drum Assembly Replacement	
10 1/2-Inch Ring Gear).....	4B1-13
Hub and Drum Assembly Replacement	
(11-Inch Ring Gear).....	4B1-17
Hub, Bearing and Seal Replacement.....	3C-10
Hydraulic Booster:	
Accumulator Leakdown Test.....	5D2-7
Assembly.....	5D2-2
Checking and Adding Fluid.....	5D2-8
Fluid and Fluid Handling.....	5D2-2
Fluid Level Inspection.....	5D2-6
Functional Test.....	5D2-7
Pipes, Hoses, and Fittings.....	5D2-2
Seal Leak Diagnosis.....	5D2-7
Service Precautions.....	5D2-8
Substandard or Contaminated Fluid.....	5D2-2
System Diagnosis of.....	5D2-6
System Tests.....	5D2-6
Hydraulic System Fluid Loss.....	5D2-7
Hydrometer.....	6B-12

I

Idle Arm Replacement.....	3B3-2
Ignition Base Timing.....	6D4-3
Ignition Coil Test.....	6D4-4
Ignition Lock System.....	3F-2
Ignition System.....	6D4-2
Improper Air Delivery.....	1A-4
Inclinometer.....	0C-6
Indicator Switch Replacement.....	4C-4
Inner CV Joint/Boot (Tripot Housing)	
Replacement.....	4C-13
Inspecting Engine Mountings:	
4.3L V6.....	6A3-27
5.0L and 5.7L V8.....	6A4-27
6.5L Diesel V8.....	6A6-24
7.4L V8.....	6A5-24
Instrument Cluster and Indicator Lamp	
Replacement.....	8C-9
Instrument Panel and Carrier Assembly	
Replacement.....	8C-10
Instrument Panel and Gages.....	8C-1
Instrument Panel Compartment Lamp and	
Switch Replacement.....	8B-17
Insufficient Heating or Defrosting.....	1A-4
Intake Manifold Replacement:	
4.3L V6.....	6A3-8
5.0L and 5.7L V8.....	6A4-9
6.5L Diesel V8.....	6A6-2
7.4L V8.....	6A5-10
In-Tank Fuel Filter.....	6C-12
Interior Cleaning.....	10B-1
Interior Trim.....	10A4-1
Intermediate Shaft Replacement.....	3F-8

8 - INDEX

J

- J1930 Word Conversion.....0A-16
- Jump Starting in Case of Emergency6D1-8

K

- Key Identification and Usage0A-13

L

- Latch Assembly Replacement, Gate.....10A5-6
- Latch Striker Adjustment, Gate.....10A5-6
- Leading/Trailing Brake Drum Inspection.....5C1-2
- Leading/Trailing Brake Drum.....5C1-2
- Leading/Trailing Drum Brake Adjustment5C1-6
- Leading/Trailing Drum Brake Backing Plate.....5C1-6
- Leading/Trailing Drum Brake Diagnosis5C1-2
- Leading/Trailing Drum Brake Lining Inspection5C1-2
- Leading/Trailing Drum Brake Linings.....5C1-2
- Leading/Trailing Drum Brake Wheel Cylinder5C1-7
- Leading/Trailing Drum Brake.....5C1-2
- Leaf Spring Replacement, Rear Suspension3D-5
- Leaf Springs, I-Beam Front Suspension3C-38
- Leak Testing (HVAC)1B-8
- License Lamp Replacement.....8B-9
- License Plate Bracket Replacement.....2A-8
- Lifting and Jacking, General Vehicle0A-11
- Lift Pump Circuit Check (6.5L V8).....6C-8
- Lining Inspection, Duo-Servo Drum Brake5C2-2
- Lining Inspection, Front Disc Brake.....5B1-3
- Lining Inspection, Leading/Trailing Drum Brake5C1-2
- Lining Inspection, Rear Disc Brake5B2-2
- Linings, Duo-Servo Drum Brake5C2-2
- Linings, Front Disc Brake.....5B1-9
- Linings, Leading/Trailing Drum Brake.....5C1-2
- Linings, Rear Disc Brake5B2-4
- Lock Assembly Replacement.....10A5-6
- Lock Cylinder Coding0A-13
- Lock Cylinder Binding.....10A1-14
- Lock Replacement, Door.....10A1-14
- Locking Rear Axle4B1-2
- Lower Ball Joint Replacement:
 - Four Wheel Drive.....3C-13
 - Two Wheel Drive.....3C-24, 26
- Lower Control Arm and Bushing Replacement:
 - Four Wheel Drive.....3C-28
 - Two Wheel Drive.....3C-19
- Luggage Carrier Replacement9F-1
- Luggage Carrier9F-1

M

- Maintenance and Lubrication0B-1
- Maintenance Items.....0B-24
- Maintenance Schedule Short Trip/City0B-3
- Maintenance Schedule Long Trip/Highway0B-15
- Manual Seat Adjuster, Diagnosis of10A2-2
- Master Cylinder.....5A1-1
- Master Cylinder Assembly.....5A1-3
- Measuring Axle Shaft Stud Runout0C-10
- Measuring Camshaft Lobe Lift:
 - 4.3L V66A3-20
 - 5.0L and 5.7L V86A4-20
 - 7.4L V86A5-17

- Measuring Driveline Angles0C-16
- Measuring Front Wheel Alignment3A-5
- Measuring Rotor or Axle Shaft Runout0C-10
- Measuring Wheel and Tire Runout.....3E-10
- Metric Fasteners.....0A-14
- Metric Wheel Nuts And Bolts.....3E-7
- Mode Actuator (HVAC).....1B-37
- Mode Rotary Knob1A-2
- Modulator Valve, Brake Pressure5E1-7,79
- Module, Cruise Control.....9B-4
- Moldings Replacement, Adhesive-Retained2B-23
- Molding Replacement, Pillar10A4-13
- Motor and Fan (HVAC), Blower.....1B-37
- Motor and Fan, Blower (Aux. HVAC)1B-46
- Multifunction Turn Signal Lever Replacement.....3F-6

N

- Negative Battery Cable, When to Disconnect.....0A-2
- Non-Demountable Type Drum Replacement....4B1-15

O

- Odor Procedure, Air Conditioning System1B-26
- Off-Vehicle Balancing0C-8
- Oil Cooler System Service.....6B-36
- Oil Filter Bypass Valve (5.0L and 5.7L V8)6A4-24
- Oil Leak Diagnosis6A-13
- Oil Level Indicator Tube Replacement (6.5L V8).....6A6-19
- Oil Pan Replacement:
 - 4.3L V66A3-15
 - 5.0L and 5.7L V86A4-19
 - 6.5L Diesel V86A6-19
 - 7.4L V86A5-16
- Oil Pressure Sensor Replacement8C-14
- Oil Pump Drive Replacement (6.5L V8)6A6-14
- Oil Pump Repair:
 - 4.3L V66A3-16
 - 5.0L and 5.7L V86A4-19
 - 6.5L Diesel V86A6-20
 - 7.4L V86A5-17
- Oil Pump Replacement:
 - 4.3L V66A3-16
 - 5.0L and 5.7L V86A4-19
 - 6.5L Diesel V86A6-20
 - 7.4L V86A5-16
- One-Piece Propeller Shaft.....4A-8
- Option and Process Codes.....0A-23
- Outer CV Joint/Boot Replacement.....4C-9
- Output Shaft Replacement.....4C-16
- Outside Mirror Replacement10A1-16
- Over Center Preload Adjustment.....3B-12
- Overhead Console Lamp Replacement.....8B-17
- Oxidation Catalytic Converter Replacement (Diesel Engines).....6F-4

P

- P-Metric Tires.....3E-2
- Paint2B-27
- Panel Replacement, Door Trim.....10A1-5, 17, 25
- Parking Brake:
 - Adjustment.....5F-4, 6
 - "BRAKE" Lamp5F-2
 - Cable Inspection5F-2

Cable System	5F-2
Cables	5F-3, 6
Diagnosis of	5F-2
Drum Inspection	5F-2
Drum Replacement	5F-7
Front Cable	5F-3
Lever	5F-3
Lining Inspection	5F-2
Lining Replacement	5F-9
Lubrication	5F-3
Rear Cables	5F-4
Switch	5F-2
Performance Test (HVAC)	1B-6
Pickup Box Replacement	2B-20
Pinion Clearance (Gas Engines)	6D2-6
Pinion Flange and Dust Deflector/Oil Seal Replacement	4B1-11
Pinion Oil Seal/Companion Flange Replacement (10 1/2-Inch Ring Gear)	4B1-15
Pinion Oil Seal/Pinion Flange Replacement (11-Inch Ring Gear)	4B1-20
Pitman Arm Replacement	3B3-6
Pitman Shaft Seal Replacement	3B-10
Plate Wear Adjustments:	
Front Disc Brake Caliper and Anchor	5B1-10
Rear Disc Brake Caliper and Anchor	5B2-6
Power Brake Units	5D2-4
Power Door Lock Actuator Replacement	10A1-13, 31
Power Steering Fluid Level	3B-8
Power Steering Gear and Pump	3B-1
Power Steering Gear	3B-2
Power Steering Hoses	3B-13
Power Steering Hydraulic Pump	3B-2
Power Steering Locating Oil Leaks	3B-5
Power Steering Pump Replacement	3B-13
Power Steering System, Bleeding The	3B-8
Power Steering System, Diagnosis Of	3B-2
Power Steering System, Flushing The	3B-8
Power Steering System Pressures	3B-22
Power Steering System Test	3B-6
Pressure Testing	6B2-8
Prevailing Torque Fasteners	0A-15
Propeller Shaft	4A-2
Balance Check	0C-11
Balancing	0C-13
Phasing	0C-16
Replacement (Front Drive)	4A-12
Runout Check	0C-11
One-Piece	4A-8
Three-Piece	4A-9
Two-Piece	4A-8
Pulley Inspection	6B-35

R

R-1334a Metric Fitting Sizes	1B-48
Radial Tire Lead/Pullchart	3E-6
Radiator:	
Cap	6B-3
Grille Replacement	2B-5
Hose Replacement	6B-20
Replacement	6B-16
Support	2B-18
Testing Procedures	6B-6

Diagnosis of	6B-6
Maintenance Recommendations	6B-5
Scale Removal	6B-15
Radio:	
Receiver	9A-2
Diagnosis of	9A-7
Rear Auxiliary Hose assembly Replacement (69)	1B-43
Rear Axle Assembly Replacement	4B1-7, 22
Rear Axle Lubrication	4B1-22
Rear Axle Noise, Diagnosis of the	4B1-2
Rear Axle Operation	4B1-2
Rear Crankshaft Oil Seal Replacement (6.5L V8)	6A6-22
Rear Disc Brake Anchor Plate	5B2-6
Rear Disc Brake Caliper and Anchor Plate Wear Adjustments	5B2-6
Rear Disc Brake Caliper Inspection	5B2-3
Rear Disc Brake Caliper	5B2-4
Rear Disc Brake Diagnosis	5B2-2
Rear Disc Brake Lining Inspection	5B2-2
Rear Disc Brake Linings	5B2-4
Rear Disc Brake Rotor Inspection	5B2-2
Rear Disc Brake Rotor	5B2-3
Rear Disc Brakes	5B2-2
Rear Engine Mounting Replacement (6.5L V8)	6A6-26
Rear Fender Marker Lamp Replacement	8B-10
Rear Mounting Replacement:	
4.3L V6	6A3-29
5.0L and 5.7L V8	6A4-28
7.4L V8	6A5-25
Rear Propeller Shaft Replacement (Rear Drive)	4A-7
Rear Seat Floor Heat Ducts	1A-13
Rear Suspension	3D-1
Rear Window Washer Pump Replacement	8E2-8
Rear Window Wiper:	
Arm Assembly Replacement	8E2-5
Blade Assembly Replacement	8E2-5
Blade Element Replacement	8E2-5
Controller Assembly Replacement	8E2-6
Motor Assembly Replacement	8E2-7
Rear Window Wiper/Washer Switch Assembly Replacement	8E2-8
Rear Window Wiper/Washer System	8E2-1
Recommended Fluids and Lubricants	0B-24
Reed Tachometer	0C-4
Reed Tachometer Usage	0C-4
Refinishing Brake Rotors	5B1-10, 5B2-8
Refinishing, Aluminum Wheels	3E-13
Refinishing, Flexible Plastic	10A4-14
Refrigerant and Oil Capacity	1B-18
Refrigerant Lines and Fittings, Handling of	1B-17
Refrigerant Oil Distribution	1B-23
Refrigerant Recovery	1B-20
Refrigerant System Checks (HVAC)	1B-6
Refrigerant System Diagnosis (HVAC)	1B-6
Refrigerant-134a, Handling	1B-16
Refrigeration System (HVAC)	1B-4
Relay (HVAC), Blower Motor	1B-33
Relay Replacement, Snow Plow	8D-3
Relay Rod Replacement	3B3-4
Relays and Switches (HVAC)	1B-6

10 - INDEX

Removing Exhaust Parts.....	6F-3
Remote Keyless Entry.....	9K-1
Remote Keyless Entry Diagnosis	9K-2
Remote Keyless Entry Transmitter Battery Replacement.....	9K-2
Remote Keyless Entry Control Module Replacement.....	9K-2
Remote Keyless Entry Programming Transmitter.....	9K-2
Replacement Labels	0A-2
Replacement Tires	3E-2
Resonator Assembly Replacement.....	6C-3
Resistor (Heater), Blower Motor	1A-11
Resistor (HVAC), Blower Motor	1B-38
Resistor, Blower Motor (Aux. HVAC).....	1B-45
Roof Garnish Molding Replacement.....	10A4-7
Roof Marker Lamp Replacement.....	8B-11
Rotor Inspection, Front Disc Brake	5B1-3
Rotor Inspection, Rear Disc Brake	5B2-2
Rotor Refinishing, Brake	5B1-11
Rotor Replacement.....	3C-21
Rotor, Front Disc Brake.....	5B1-10
Rotor, Rear Disc Brake	5B2-7
Running Boards	9G-1

S

Scheduled Maintenance Services.....	0B-2
Scheduled Maintenance Services, Explanation of.....	0B-1
Sealed Beam Headlamp Adjustment.....	8B-6
Sealed Beam Headlamp Replacement.....	8B-5
Sealing Washers, Compressor (HVAC)	1B-28
Seat Belt Care	10B-2
Seat Belt Replacement.....	10A2-9
Seat Replacement, Front Bench.....	10A2-3
Seat Replacement, Front Bucket.....	10A2-3
Seat Replacement, Front Split Bench	10A2-3
Seat Replacement, Intermediate.....	10A2-6
Seat Replacement, Rear	10A2-7
Seat Support Replacement, Rear (Extended Cab)	10A2-7
Seat Trim Cover Replacement, Front.....	10A2-3
Seats	10A2-1
Semi-Floating Axle (8 1/2, 8 5/8 and 9 1/2 Inch Ring Gear).....	4B1-7
Sending Unit Replacement, Fuel Gage.....	6C-12
Sensor Calibrator, Vehicle Speed	5E1-5,57
Sensor, Front Wheel Speed.....	5E1-9,86
Sensor, Vehicle Speed	5E1-5,57
Service Parts Identification Label	0A-2
Servo Drum Brake Adjustment	5C2-4
Shackle Bushing Replacement, Rear Suspension.....	3D-5
Shackle Replacement, Rear Suspension	3D-4
Shaft and Axle Tube Assembly Replacement....	4C-16
Shaft Replacement, Output	4C-16
Sheet Metal Adjustments	2B-20
Sheet Metal Repair.....	2B-26
Sheet Metal Support.....	2B-18
Sheet Metal.....	2B-1
Shift Fork Replacement.....	4C-11
Shock Absorber, I-Beam Front Suspension	3C-31
Shock Absorber Replacement, Rear Suspension	3D-2

Shock Absorber Replacement, Four Wheel Drive.....	3C-20
Shock Absorber Replacement, Two Wheel Drive.....	3C-11
Shock Absorber Test	3C-6
Shock Absorbers, Diagnosis of.....	3C-5
Six Way Power Seat Adjuster, Diagnosis of....	10A2-2
Slip Yoke Splines.....	4A-13
Snow Plow Relay Location	8D-2
Spare Tire Box Stowage	3E-14
Spare Tire Carrier Support.....	3E-14
Spare Tire Hoist and Shaft	3E-14
Spare Tire Mounting.....	3E-14
Spark Plug Replacement	6D4-10
Spark Plug Specifications	6D4-13
Spark Plug Wire Replacement.....	6D4-9
Spark Plug Wires	6D4-3
Spark Plugs	6D4-2
Speakers, Radio	9A-10
Special Tool Ordering Information	0A-2
Speed Sensor Calibrator, Vehicle.....	5E1-5,56
Stabilizer Shaft Link Bracket Replacement.....	3D-2
Stabilizer Shaft, I-Beam Front Suspension	3C-34
Stabilizer Shaft Replacement, Four Wheel Drive.....	3C-20
Stabilizer Shaft Replacement, Rear Suspension.....	3D-2
Stabilizer Shaft Replacement, Two Wheel Drive.....	3C-11
Stain Removal	10B-2
Standard Steering Column Unit Repair (Column Shift)	3F1A-1
Standard Steering Column Unit Repair (Floor Shift)	3F1B-1
Starter Motor Noise	6D2-6
Starter Motor Replacement	6D2-7
Starter Motor	6D2-2
Starter Shims.....	6D2-9
Starter Specifications.....	6D2-9
Steering Arm, Knuckle and Spindle I-Beam Front Suspension	3C-36
Steering Column, Diagnosis of	3F-2
Steering Column Replacement	3F-8
Steering Column Seal Replacement.....	3F-9, 10
Steering Column Standard (Col Shft), Accident Damage.....	3F1A-11
Steering Column Standard (Col Shft), Housing Cover	3F1A-5
Steering Column Standard (Col Shft), Lower Column.....	3F1A-9
Steering Column Standard (Col Shft), Parts....	3F1A-2
Steering Column Standard (Col Shft), Upper Column.....	3F1A-4
Steering Column Standard (Fir Shft), Accident Damage.....	3F1B-13
Steering Column Standard (Fir Shft), Housing Cover	3F1B-6
Steering Column Standard (Fir Shft), Lower Column.....	3F1B-10
Steering Column Standard (Fir Shft), Parts	3F1B-2
Steering Column Standard (Fir Shft), Upper Column.....	3F1B-4
Steering Column Tilt (Col Shft), Accident Damage	3F2A-16

Steering Column Tilt (Col Shft), Housing Cover.....	3F2A-6
Steering Column Tilt (Col Shft), Lower Column	3F2A-14
Steering Column Tilt (Col Shft), Mid Column.....	3F2A-8
Steering Column Tilt (Col Shft), Parts.....	3F2A-2
Steering Column Tilt (Col Shft), Upper Column	3F2A-4
Steering Gear Adjustment.....	3B-11
Steering Gear Replacement.....	3B-8
Steering Knuckle Replacement, Two Wheel Drive.....	3C-16
Steering Linkage Inspection.....	3B3-2
Steering Linkage.....	3B3-1
Steering Shock Absorber Inspection	3B3-9
Steering Shock Absorber Replacement.....	3B3-10
Steering Wheel and Column On-Vehicle Service.....	3F-1
Steering Wheel Replacement.....	3F-7
Stereo Radio AM/FM (UM7 or UM6).....	9A-2
Stereo AM/FM W/Integral Cassette (ULO).....	9A-4
Stereo AM/FM W/Compact Disc (UNO)	9A-4
Straightening Frames.....	2A-5
Substandard or Contaminated Brake Fluid	5A-2
Sunshade Replacement	10A4-2
Sunshade Vanity Mirror Lamp Replacement.....	8B-17
Supplemental Inflatable Restraint (SIR) Handling.....	A-1
Switch, Compressor Pressure (HVAC)	1B-31
Switch Replacement, Indicator.....	4C-4
Symbols, Abbreviations, and Acronyms	0A-19

T

Taillamp Replacement	8B-11
Tape Player and Cassette Care	9A-8
Tape Player.....	9A-4
Temperature Actuator (HVAC).....	1B-38
Temperature Control Cable (Heater).....	1A-10
Temperature Rotary Knob	1A-2
Temperature Valve and Heater Core	1A-3
Thermal Actuator Replacement.....	4C-5
Thermostat Diagnosis.....	6B-5
Thermostat Housing Crossover Replacement....	6B-29
Thermostat Replacement	6B-25
Thread Repair (7.4L).....	6A5-27
Thread Repair (6.5L Diesel V8).....	6A6-32
Three-Piece Propeller Shaft.....	4A-9
Three-Way Catalytic Converter Replacement	6F-3
Tie Rod Clamp and Adjuster Tube Positioning	3B3-9
Tie Rod Replacement, I-Beam Front Axle Models.....	3B3-9
Tie Rod Replacement.....	3B3-8
Tilt Steering Column Unit Repair (Column Shift)	3F2A-1
Tilt Steering Column Unit Repair (Floor Shift).....	3F2B-1
Tilt Wheel Lever Replacement.....	3F-7
Timing Adjustment, Ignition	6D4-3
Timing Chain and Sprocket Replacement (6.5L V8).....	6A6-17
Tire and Wheels, Diagnosis of.....	3E-5
Tire and Wheel Vibrations.....	0C-8
Tire Chain Usage.....	3E-3

Tire Inflation and Load Limits	3E-7
Tire Mounting and Dismounting	3E-9
Tire Placard.....	3E-3
Tire Repair	3E-9
Tire Rotation	3E-8
Tire Speed Chart	0C-5
Tires And Wheels	3E-2
Toe-In Adjustment.....	3A-6
Torque Rod Replacement.....	10A5-5
Torsion Bar(s) and Support Assembly Replacement	3C-29
Torsion Bar(s) and Support Assembly Replacement (Four Door Utility).....	3C-31
Tow Hooks	2A-12
Transfer Case Control Module.....	7DIA-2
Transfer Case Diagnosis.....	7D-3
Transfer Case Diagnosis Electronic Synchronizer (Models 4401 and 4470 Only)	7D-4
Transfer Case Electronic Controls	7DIA-1
Transfer Case Identification	7D-2
Transfer Case Linkage Adjustment	7D-5
Transfer Case Oil Replacement.....	7D-5
Transfer Case Operation Four-Wheel Drive Low Range	7D-2
Transfer Case Rear Extension and Rear Retainer Housing (NV241 and NV243 Transfer Case)	7D-8
Transfer Case Relay Replacement.....	7D-6
Transfer Case Replacement	7D-9
Transfer Case Switch Replacement	7D-6
Transfer Case Shield Replacement.....	7D-5
Transfer Case Vent Hose Replacement.....	7D-7
Transmission Diagnosis, Automatic 4L80-E	7A17A-1
Transmission Identification Number	0A-4
Transmission Indicator (PRNDL) Replacement....	8C-9
Transmission, Manual.....	7B-1
Backup Lamp Switch Replacement	7B-6
Clutch Spindown Time.....	7B-2
New Venture Gear NV4500.....	7B-1
Shift Housing Lever Replacement.....	7B-5
Speed Sensor Replacement.....	7B-5
Switch, Backup Lamp Replacement	7B-6
Transmission Replacement.....	7B-7
Trim Panel Replacement, Gate.....	10A5-5
Trim Panel Replacement, Roof.....	10A4-5
Trim Panel Replacement, Quarter	10A4-8
Trim Panel Replacement, Quarter Rear Lower.....	10A4-10
Tube (HVAC), Evaporator.....	1B-33
Tube, Evaporator (Aux. HVAC).....	1B-41
Turbocharger.....	6J-1
Turbocharger, Diagnosis of the (6.5L V8)	6J-4
Turbocharger Inspection	6T-5
Turbocharger Replacement (6.5L V8).....	6J-7
Turbocharger Waste-Gate Actuator Replacement	6J-10
Two-Piece Propeller Shaft.....	4A-8

U

Underhood Reel Lamp Replacement	8B-12
Underhood Stationary Lamp Replacement.....	8B-12
Universal Joint	4A-3

12 - INDEX

Universal Joints	4A-13
Upper Ball Joint Replacement, Four Wheel Drive	3C-24
Upper Ball Joint Replacement, Two Wheel Drive	3C-14
Upper Control Arm and Bushing Replacement, Four Wheel Drive	3C-28
Upper Control Arm and Bushing Replacement, Two Wheel Drive	3C-18

V

Vacuum Booster Assembly	5D1-1
Vacuum Booster Check Valve Hose and Routing	5D1-3
Vacuum Booster Diagnosis	5D1-2
Vacuum Booster Gaging Procedure	5D1-3
Vacuum Booster Replacement	5D1-2
Vacuum Pump	6H-1
Vacuum Pump (6.5L V8)	6E2-1
Vacuum Pump, Diagnosis of the (6.5L V8)	6H-13
Vacuum Pump Replacement (6.5L V8)	6H-3
Valve Adjustment: 5.0L and 5.7L V8	6A4-5
Valve Lifter Repair: 6.5L Diesel V8	6A6-11
Valve Lifter Replacement: 4.3L V6	6A3-11
5.0L and 5.7L V8	6A4-12
6.5L Diesel V8	6A6-11
7.4L V8	6A5-12
Valve Rocker Arm and Pushrod Replacement: 4.3L V6	6A3-7
5.0L and 5.7L V8	6A4-3
7.4L V8	6A5-8
Valve Rocker Arm Cover Replacement: 4.3L V6	6A3-7
5.0L and 5.7L V8	6A4-3
6.5L V8	6A6-3
7.4L V8	6A5-7
Valve Rocker Arm Stud Replacement: 4.3L V6	6A3-12
5.0L and 5.7L V8	6A4-12
Valve Stem Seal and Valve Spring Replacement: 4.3L V6	6A3-8
5.0L and 5.7L V8	6A4-8
6.5L Diesel V8	6A6-11
7.4L V8	6A5-8
Valve, Brake Pressure Modulator	5E1-7,79
Vehicle Certification Label	0A-2
Vehicle Identification Number	0A-3
Vehicle Storage, Battery Protection During	6D1-3
Vent Control Cables (Heater)	1A-13
Vent Hose Replacement	4B1-7
Vibration Categories	0C-2
Vibration Classes	0C-2
Vibration Diagnosis	0C-1
Vibration Diagnosis Charts	0C-18
Water Leaks	10B-3
Water Pump Replacement Gasoline Engines	6B-27
Water Pump Replacement Diesel Engines	6B-28
Water Pump	6B-5
Water Sensor Assembly Replacement (6.5L V8)	6C-7
Weatherstrip Lubrication	10B-3
Weatherstrip Replacement, Gate	10A5-7
Weatherstrip Replacement, Side Door	10A1-33
Welding	2A-6
Wheel and Tire Installation	3E-9
Wheel Balance Weights	3E-13
Wheel Bearing Adjustment, I-Beam Front Suspension	3C-34
Wheel Bearing Adjustment	3C-9
Wheel Bearing/Cup Replacement	4B1-14, 18
Wheel Bearings, Diagnosis of	3C-9
Wheel Bolt Replacement	4B1-15
Wheel Cylinder, Duo-Servo Drum Brake	5C2-3
Wheel Cylinder, Leading/Trailing Drum Brake	5C1-5
Wheel Hub Bolt Replacement: Four Wheel Drive	3C-22
I-Beam Front Suspension	3C-36
Two Wheel Drive	3C-10
Wheel Hub/Rotor Assembly, I-Beam Front Suspension	3C-34
Wheel Removal	3E-7
Wheel Repair	3E-7
Wheel Stud Replacement	4B1-11, 19
Wheelhouse Panel Replacement	2B-13
Wheels	3E-3
Wheel Runout	0C-9
Wheel Weights	0C-8
When to Disconnect the Negative Battery Cable	0A-2
Window Hinge Replacement, Gate	10A5-7
Window Lower Garnish Molding Replacement, Rear	10A4-7
Window Minor Scratch and Abrasion Removal	10A3-13
Window Polishing	10A3-13
Window Regulator and Motor Replacement	10A1-15, 33
Window Regulator Handle Replacement	10A1-3, 22
Window Replacement, Latched Body Side	10A3-8
Window Replacement, Rear	10A3-9
Window Replacement, Stationary Body Side	10A3-7
Window Replacement	10A1-15, 32
Window Run Channel Replacement	10A1-16, 33
Window Run Channel Weatherstrip Replacement	10A1-33
Window Striker Replacement, Gate	10A5-7
Window Support Replacement, Gate	10A5-8
Window Upper Garnish Molding Replacement, Rear	10A4-7
Window Water Leak Tests	10A3-14
Windshield, Garnish Molding Replacement	10A4-4
Windshield Inspection	10A3-6
Windshield Installation	10A3-6

W

Washer Hose Routing	8E1-3
Washing And Waxing	10B-3
Waste-Gate Actuator Replacement (6.5L V8)	6J-6
Water in the Fuel System (6.5L V8)	6C-10

Windshield Removal (Broken Windshield).....	10A3-4	Windshield Wiper Motor Assembly	
Windshield Removal (Undamaged		Replacement	8E1-17
Windshield)	10A3-5	Windshield Wiper Motor Circuit Board and	
Windshield Service	10A3-4	Terminal Assembly	
Windshield Water Leak Repair	10A3-16	Windshield Wiper Transmission Assembly	
Windshield Wiper Arm Assembly		Replacement	8E1-17
Replacement.....	8E1-16	Windshield Wiper/Washer System	8E1-2
Windshield Wiper Blade Assembly and		Wiper Arm Chatter.....	8E1-4
Element Replacement.....	8E1-16	Wiper Blade Element Set Check.....	8E1-4
Windshield Wiper Motor Assembly Diagnosis....	8E1-4	Worm Bearing Preload Adjustment	3B-11