

4

4wd Indicator-ECU	
Inspection	23Aa-47

A

A/C Compressor Drive Belt	
Tension Check and Adjustment	
3.0L ENGINE	11A-5
3.5L ENGINE	11C-5
ABS	
Actuator Test	
4WD	35C-63
RWD	35B-53
Circuit Diagram	
AWD	90-158
RWD	90-154
ECU, Check at Terminal	
4WD	35C-65
RWD	35B-54
ABS Bleeding	
RWD	35B-56
ABS Power Relay	
Check	
RWD	35B-60
Accelerator Cable	
Check and Adjustment	17-4
Accelerator Cable and Pedal	17-5
Accessory Socket	
Circuit Diagram	90-137
Actuator Test Reference Table	
Automatic Transmission	23Ab-34
Adhesive	
Automatic Transmission	23Aa-50
Automatic Transmission	23B-107
Body	42-166
Engine	
3.5L ENGINE	11C-37
Engine Lubrication	12-4
Engine Overhaul	
3.0L ENGINE	11B-59
3.5L ENGINE	11B-59
Exterior	51-29
Front Axle	26-58
MFI	13Aa-38
Parking Brake	36-10
Rear Axle	27-61
Steering	37A-50
Adhesive Table	00-61
Air Cleaner	15-4
Air Cleaner Element	
Replace	00-42
Air Conditioning	
A/C Switch	55-29
Charging	55-22
Compressor	55-40
Compressor Drive Belt Adjustment	55-22
Compressor Noise Check	55-25
Condenser and Condenser Fan Motor	55-45
Control Assembly	55-29
ECU Terminal Check	55-20
Idle-up Operation Check	55-28
Inside/outside Changeover Switch	55-29
Magnetic Clutch Test	55-21
Manual, Circuit Diagram	90-112
Outside Air Temperature Sensor	55-49
Performance Test	55-23
Power Relay Check	55-26
Pressure Switch Check	55-22

Receiver Drier Test	55-21
Refrigerant Leak Repair	55-25
Refrigerant Line	55-47
Sight Glass Refrigerant Level Test	55-21
Auto Adjuster	
Function Check	
DRUM BRAKE	35A-31
Auto-cruise Control	17-84
Auto-cruise Control	17-6
Auto-Cruise Control	
Inspection	17-86
Auto-cruise Control System	
Check at ECU Terminal	17-79
Circuit Diagram	90-146
Component Check	17-83
Main Switch Check	17-81
Trouble Code Diagnosis	17-8
Auto-cruise Control System Diagnosis	17-7
Automatic Glare-Proof Inside Rear View Mirror	
Circuit Diagram	90-128
Automatic Transmission	
Actuator Test Reference Table	23Ab-34
Adhesive	23B-107
Adhesive	23Aa-50
Adjusting Plate, Snap Ring and Spacers	23B-103
Center Support	23B-62
Control Component Check	23Aa-26
Control Component Layout	23Aa-13
Countershaft Gear	23B-88
Disassembly and Assembly	23B-18
Fail-safe Functions/backup Functions	23Ab-6
Faulty Operation Prevention Mechanism	23Aa-36
Fluid Check	23Aa-16
Fluid Cooler Flow Check	23Aa-20
Fluid Level Check	00-48
Fluid Replacement	23Aa-17
Flushing Coolers and Tubes	23Aa-18
Front Output Shaft	23B-97
Hydraulic Circuit	23Ab-19
Hydraulic Pressure Tests	23Ab-14
Input Gear	23B-86
Key Interlock Mechanism Check	23Aa-25
Low Reverse Annulus Gear	23B-60
Overhaul	23B-18
PCM Terminal Voltage Reference Chart	23Ab-35
Rear Output Shaft	23B-94
Reverse and Overdrive Clutches	23B-53
Sealant	23B-107
Sealant	23Aa-50
Second Brake	23B-59
Shift Lock Mechanism Check	23Aa-26
Torque Converter Stall Check	23Ab-12
Transfer Case Adapter	23B-16
Transfer Case Plate	23B-85
Transfer Drive Shaft	23B-96
Underdrive Clutch	23B-64
Valve Body	23B-68
Valve Body Spring Identification	23B-102
Automatic Transaxle Fluid	
Level Check	00-48
Automatic Transaxle Fluid Temperature Sensor	
Continuity Check	23Aa-27
AWD Indicator Control Unit	23Aa-47
Axle Assembly	27-22
Axle Bumper	34-7
Axle Shaft	
Inspection	
DISC BRAKE	27-41
DRUM BRAKE	27-35
Axle Shaft Assembly	27-25
Axle Shaft Assembly	27-36

Axle Shaft Assembly		Brake Pedal	
Disassembly and Assembly		Check and Adjustment.....	35A-18
DISC BRAKE.....	27-38	Brake Rotor	
DRUM BRAKE.....	27-28	Disc, Check.....	35A-25
Axle Shaft End Play		Brake Stoplight Switch Check.....	35A-20
Adjustment.....	27-20	Bumper	
Check.....	27-19	Front.....	51-2
		Rear.....	51-4
B		C	
Backup Light		Cable	
Circuit Diagram.....	90-76	Accelerator.....	17-5
Ball Joint Dust Cover Inspection		Accelerator, Check and Adjustment.....	17-4
Steering.....	37A-22	Ignition, Replace.....	00-43
Ball Joint Dust Cover Replacement		Camshaft.....	11A-16
Steering.....	37A-35	Camshaft	
Ball Joint Seals		Overhaul.....	11B-20
Check.....	00-53	Camshaft Oil Seal.....	11A-18
Ball Joint with Grease Fitting		Camshaft Oil Seal.....	11C-19
Lubricate with Grease.....	00-54	Camshaft Position Sensor.....	16-41
Basic Idle Speed		Canister	
Adjustment.....	13Aa-14	Evaporative Emission.....	17-101
Battery		Catalytic Converter.....	17-102
Handling.....	00E-12	Central Door Locking System	
Remedy for a Discharged Battery		Circuit Diagram	
RWD.....	35B-60	WITH KEYLESS ENTRY SYSTEM.....	90-98
Belt		WITHOUT KEYLESS ENTRY SYSTEM.....	90-94
Water Pump and Generator Drive Belt Check.....	00-43	Charging System.....	16-3
Belt, Timing		Charging System	
Replace.....	00-43	Circuit Diagram.....	90-28
BJ Boot		Charging System Diagnosis.....	16-4
Replacement.....	26-29	Check Valve	
Bleeding		Operating Check.....	35A-21
Brakes (Basic).....	35A-22	Cigarette Lighter	
Power Steering.....	37A-19	Circuit Diagram.....	90-136
Body		Clock	
Adhesive.....	42-166	Circuit Diagram.....	90-135
Sealant.....	42-166	Coil Spring.....	34-7
Body Mounting.....	42-4	Compass and Temperature Display	
Boots		Circuit Diagram.....	90-80
Driveshaft, Check.....	00-53	Compass and Temperature Display Diagnosis.....	52A-17
Brake Booster.....	35A-33	Compression Pressure	
Brake Booster.....	35B-61	Check	
Brake Booster		3.0L ENGINE.....	11A-8
Inspection		3.5L ENGINE.....	11C-8
RWD.....	35B-62	Compressor (A/C)	
Operating Check.....	35A-20	Noise Check.....	55-25
Brake Disc		Connecting Rod	
Pad Wear Check.....	00-52	Overhaul.....	11B-39
Runout Check and Correction		Overhaul.....	11B-39
FRONT.....	35A-26	Connector Inspection.....	00E-2
REAR.....	35A-27	Control Unit Location.....	70-14
Thickness Check.....	35A-28	Coolant	
Brake Drum		Engine, Change.....	00-50
Inside Diameter, Check		Cooling Fan.....	14-10
DRUM BRAKE.....	35A-30	Crankcase Ventilation System	
DRUM-IN-DISC BRAKE.....	35A-30	Check.....	17-92
Brake Fluid Level Sensor Check.....	35A-23	Crankshaft	
Brake Hoses		Overhaul.....	11B-47
Check.....	00-53	Overhaul.....	11B-47
Brake Lining		Crankshaft Front Oil Seal.....	11C-24
Thickness, Check.....	35A-29	Crankshaft Front Oil Seal.....	11A-23
Brake Lining and Brake Drum		Crankshaft Front Oil Seal	
Contact, Check		3.0L ENGINE.....	11A-23
DRUM BRAKE.....	35A-30	3.5L ENGINE.....	11C-24
Brake Pad		Crankshaft Position Sensor.....	16-41
Check and Adjustment.....	35A-23	Crankshaft Position Sensor	
Wear Check.....	00-52	Check.....	23Aa-26
Brake Pedal.....	35A-32	Crankshaft Pulley.....	11A-15

Crankshaft Pulley	11C-15
Crankshaft Rear Oil Seal	11A-25
Crankshaft Rear Oil Seal	11C-25
Crankshaft Rear Oil Seal	
3.0L ENGINE	11A-25
3.5L ENGINE	11C-25
Crossmember	32-8
Crossmember	
Inspection	32-8
Cylinder Block	
Overhaul	11B-47
Cylinder Head	
Overhaul	11B-26
Cylinder Head Gasket	11C-27
Cylinder Head Gasket	11A-27

D

Defogger and Door Mirror Heater	
Circuit Diagram	90-124
Diagnosis	
Auto-cruise Control System	17-7
Charging System	16-4
Emission Control System	17-87
Engine	
3.0L ENGINE	11A-2
3.5L ENGINE	11C-2
Engine Control System	17-3
Engine Cooling	14-2
Fuel Supply	13B-2
Intake and Exhaust	15-2
Power Steering	37A-4
Propeller Shaft	25-3
Rear Axle	27-6
Starting System	16-20
Trouble Code, ABS	
4WD	35C-4
RWD	35B-4
Differential	
Oil Level Check	00-55
Differential Carrier	
Front	26-36
Rear	27-42
Differential Carrier Assembly	26-36
Diode Location	70-17
Disc Brake	
Pad Wear Check	00-52
Disc Brake Assembly	
Front	35A-36
Rear	35A-42
Disc Brake Rotor	
Check	35A-25
Dome Light, Cargo Space Light, Reading Light	
Circuit Diagram	
WITH KEYLESS ENTRY SYSTEM	90-62
WITHOUT KEYLESS ENTRY SYSTEM	90-60
Door	42-20
Door	42-103
Door	
Front and Rear, Fit Adjustment	42-100
Glass and Regulator	42-108
Handle and Latch	42-111
Inside Handle Play Adjustment	42-102
Mirror	51-26
Mirror	51-25
Opening Weatherstrip	42-116
Outside Handle Play Adjustment	42-101
Switch Check	42-104
Trim and Waterproof Film	42-105

Door Light	
Circuit Diagram	90-65
Drive Belt	
A/C Compressor, Tension Check and Adjustment	
3.0L ENGINE	11A-5
3.5L ENGINE	11C-5
Overhaul	11B-4
Power Steering Oil Pump, Tension Check and Adjustment	
3.0L ENGINE	11A-5
3.5L ENGINE	11C-5
Power Steering, Tension Check	37A-18
Tension Check and Adjustment	
3.0L ENGINE	11A-5
3.5L ENGINE	11C-5
Water Pump and Generator Drive Belt Check	00-43
Water Pump, Tension Check and Adjustment	14-7
Drive Plate	
Overhaul	11B-47
Drive Shaft End Play	
Check	26-12
Driveshaft	
BJ Boot Replacement	26-29
End Play Check	26-12
Front Axle	26-22
Driveshaft Boots	
Check	00-53

E

EGR	
Solenoid Check	13Aa-29
EGR solenoid	
Check	13Aa-29
EGR System	17-96
EGR System	
Check	17-98
Port Vacuum Check	17-99
Solenoid Check	17-100
Valve Check	17-99
Electrical System	
Check	00E-13
Element, Air Cleaner	
Replace	00-42
Emission Control	17-87
Emission Control System Diagnosis	17-87
Emission Control System, Evaporative	
Check for Clogging	00-42
Check for Leaks	00-42
Engine	
Adhesive	
3.5L ENGINE	11C-37
Assembly	11A-12
Assembly	11C-12
Camshaft Oil Seal	11A-18
Camshaft Oil Seal	11C-19
Compression Pressure	
3.0L ENGINE	11A-8
3.5L ENGINE	11C-8
Crankshaft Front Oil Seal	
3.0L ENGINE	11A-23
3.5L ENGINE	11C-24
Crankshaft Rear Oil Seal	
3.0L ENGINE	11A-25
3.5L ENGINE	11C-25
Cylinder Head Gasket	11A-27
Cylinder Head Gasket	11C-27
Diagnosis	
3.0L ENGINE	11A-2
3.5L ENGINE	11C-2

F

TSB Revision

L

M

O

Oil	
Engine, Change	00-47
Engine, Check	12-3
Engine, Replacement	12-3
Oil Filter	
Engine, Replacement	12-3
Oil Pan	
Overhaul	11B-33
Oil Pan and Oil Screen	11A-20
Oil Pan and Oil Screen	11C-21
Oil Pressure	
Engine, Check	12-3
Oil Pump	
Overhaul	11B-33
Power Steering	37A-36
Power Steering, Pressure Test	37A-20
Oil seal	
Camshaft	11A-18
Camshaft	11C-19
Oil Seal	
Crankshaft Front	11A-23
Crankshaft Front	11C-24
Crankshaft Front	
3.0L ENGINE	11A-23
3.5L ENGINE	11C-24
Crankshaft Rear	11C-25
Crankshaft Rear	11A-25
Crankshaft Rear	
3.0L ENGINE	11A-25
3.5L ENGINE	11C-25

Outside Air Temperature Sensor	55-49
Outside Thermo Sensor	54-111
Oxygen Sensor	
Check	13Aa-21

P

Park/neutral Position Switch	
Continuity Check	23Aa-21
Parking Brake	
Adhesive	36-10
Cable	36-6
Lever	36-5
Lever Stroke Check and Adjustment	36-2
Lining and Drum	36-7
Lining Running-in	36-4
Sealant	36-10
Switch Check	36-3
PCV (Positive Crankcase Ventilation) System	17-91
PCV (Positive Crankcase Ventilation) System	
Valve Check	17-92
Pedal	
Accelerator	17-5
Piston	
Overhaul	11B-39
Overhaul	11B-39
Pitman Arm Dust Cover	
Check	37A-28
Power Distribution System	
Circuit Diagram	90-22
Power Steering	
Bleeding	37A-19
Drive Belt Tension Check	37A-18
Fluid Level Check	37A-18
Fluid Replacement	37A-19
Gear Box Assembly	37A-27
Hoses	37A-41
Oil Pump Assembly	37A-36
Oil Pump Pressure Test	37A-20
Pressure Switch Check	37A-21
Power Steering Diagnosis	37A-4
Power Steering Gear Box Assembly	
Disassembly	37A-29
Inspection (Disassembly and Assembly)	37A-35
Reassembly	37A-31
Power Steering Oil Pump Assembly	
Inspection	37A-36
Power Steering Oil Pump Drive Belt	
Tension Check and Adjustment	
3.0L ENGINE	11A-5
3.5L ENGINE	11C-5
Power Transistor	
Check	16-31
Power Window	
Circuit Breaker Inspection	42-102
Circuit Diagram	
WITH KEYLESS ENTRY SYSTEM	90-88
WITHOUT KEYLESS ENTRY SYSTEM	90-84
Operating Current Check	42-102
Switch Continuity Check	42-107
Propeller Shaft	25-6
Propeller Shaft Diagnosis	25-3
Propeller Shaft Joints	
Lubrication	00-55
Proportioning Valve	35A-52
Proportioning Valve	
Function Test	
VEHICLES WITHOUT ABS	35A-21
Purge Control System	
Check	17-94

R

Radiator	14-8
Radiator Cap	
Pressure Check	14-5
Radio and Tape Player	
Circuit Diagram	
WITH AMPLIFIER	90-132
WITHOUT AMPLIFIER	90-130
Rear Axle	
Adhesive	27-61
Gear Oil Level Check	27-21
Limited Slip Differential Oil Change	00-54
Oil Level Check	00-55
Sealant	27-61
Total Backlash Check	27-19
Rear Axle Diagnosis	27-6
Rear Drum Brake	35A-48
Rear Drum Brake Linings	
Wear and Leaks Check	00-52
Rear Drum Brake Wheel Cylinder Assembly	
Disassembly and Assembly	35A-50
Inspection	35A-51
Rear Heater	
Circuit Diagram	90-118
Rear Wheel Cylinder	
Wear and Leaks Check	00-52
Rear Wiper and Washer	
Inspection	51-21
Receiver Drier Test (A/C)	55-21
Relay	
Check	00E-10
Relay Location	70-6
Resistive Cord	
Inspection	16-32
Rheostat	
Circuit Diagram	90-145
RKE (Keyless Entry System)	42-125
RKE (Keyless Entry System)	42-135
RKE (Keyless Entry System)	
Secret Code Registration	42-132
Transmitter Battery Replacement	42-132
Rocker Arm	
Overhaul	11B-20
Roof Rail	51-15

S

Sealant	
Automatic Transmission	23Aa-50
Automatic Transmission	23B-107
Body	42-166
Engine	
3.5L ENGINE	11C-37
Engine Lubrication	12-4
Engine Overhaul	
3.0L ENGINE	11B-59
3.5L ENGINE	11B-59
Exterior	51-29
Front Axle	26-58
MFI	13Aa-38
Parking Brake	36-10
Rear Axle	27-61
Steering	37A-50
Sealant Table	00-61
Seat Belt Tone Alarm	
Circuit Diagram	90-144
Seat Belts With Pre-Tensioner	52B-80
Seat Belts With Pre-Tensioner	
Check	52B-82

TSB Revision

Tire			
Diagnosis	31-2		
Inflation Pressure Check	31-7		
Rotation	00-60		
Wear Check	31-7		
Torque Converter Stall Check	23Ab-12		
Torsion Bar	33A-10		
Torsion Bar			
Inspection	33A-13		
Transaxle			
Automatic, Fluid Level Check	00-48		
Transmission Mounting			
Inspection	32-7		
Transmission Mounting	32-6		
Transfer			
Disassembly and Assembly			
V4A	23B-74		
Oil Level Check	00-49		
Overhaul	23B-74		
Transfer Case Adapter	23B-16		
Transmission Extension Housing	23B-11		
Transmission Extension Housing			
Disassembly and Assembly			
R4A	23B-11		
Turn Signal Light			
Circuit Diagram			
WITH KEYLESS ENTRY SYSTEM	90-72		
WITHOUT KEYLESS ENTRY SYSTEM	90-70		
Wheel Cylinder Assembly			
Rear Drum Brake, Disassembly and Assembly	35A-50		
Rear Drum Brake, Inspection	35A-51		
Wheel Speed Sensor	35B-65		
Wheel Speed Sensor			
Output Voltage Check			
RWD	35B-57		
Wide Fender	51-10		
Window Glass	42-11		
Window Glass	42-10		
Window Glass			
Door, Adjustment	42-100		
Quarter	42-16		
Runchannel	42-116		
Windshield	42-13		
Windshield			
Wiper and Washer	51-16		
Wiper and Washer	51-15		
Windshield Wiper and Washer			
Circuit Diagram	90-121		
Wiper and Washer			
Rear	51-20		
Rear	51-19		
Rear, Circuit Diagram	90-122		
Windshield	51-15		
Windshield	51-16		

U

Under Cover	42-164
Under Floor Spare Tire Carrier	51-5
Upper Arm	33A-6
Upper Arm	
Inspection	33A-9

V

Vacuum Check	
EGR Port	17-99
Vacuum Control Valve	
Check	17-98
Vacuum Hose Routing	17-88
Valve	
EGR System, Check	17-99
Fuel Tank Pressure Relief	17-101
Proportioning	35A-52
Proportioning, Function Test	
VEHICLES WITHOUT ABS	35A-21
Vacuum Control, Check	17-98
Valve Body (Automatic Transmission)	23B-68
Vanity Mirror Light	
Circuit Diagram	90-67
Vehicle Identification	00-15
Ventilators	55-50

W

Warning Light	
Circuit Diagram	90-82
Water Hose	14-16
Water Pipe	14-16
Water Pump	14-13
Water Pump Drive Belt	
Tension Check and Adjustment	14-7
Waterproof Film	42-122
Wheel	
Diagnosis	31-2
Runout Check	31-7

NOTES