

ALPHABETICAL INDEX

SECTION **IDX**

GI

MA

EM

LC

EC

FE

CL

MT

AT

TF

PD

FA

RA

BR

ST

RS

BT

HA

EL

IDX

ALPHABETICAL INDEX

A

ABS (anti-lock brake system) BR-30
 ABS actuator BR-41
 ABS circuit diagram BR-56
 ABS component parts and connector
 locations..... BR-53
 ABS control unit BR-40
 ABS hydraulic circuit..... BR-30
 ABS self-diagnosis BR-44
 ABS symptom chart BR-46
 ABS system components BR-31
 ABS trouble diagnoses BR-43
 ABS wheel sensors BR-38
 ABS wiring diagram BR-34
 A/C air flow..... HA-18
 A/C circuit diagram (auto A/C) HA-65
 A/C circuit diagram (manual A/C) HA-38
 A/C component layout..... HA-17
 A/C compressor clutch removal and
 installation..... HA-106
 A/C compressor description HA-11
 A/C compressor mounting HA-105
 A/C compressor precaution HA-5
 A/C compressor special service tool HA-5
 A/C control linkage adjustment (manual
 A/C)..... HA-51
 A/C control operation (auto A/C)..... HA-54
 A/C control operation (manual A/C)..... HA-19
 A/C diagnostic work flow (auto A/C) HA-55
 A/C diagnostic work flow (manual A/C) HA-21
 A/C harness layout (auto A/C) HA-63
 A/C harness layout (manual A/C) HA-36
 A/C HFC134a (R134a) system
 precaution..... HA-3
 A/C HFC134a (R134a) system service
 procedure..... HA-98
 A/C HFC134a (R134a) system service
 tools HA-6
 A/C HFC134a system service equip-
 ment precaution..... HA-8
 A/C lubricant (R134a) HA-100
 A/C lubrication oil HA-100
 A/C operational check..... HA-22, 56
 A/C performance chart..... HA-32
 A/C performance test diagnoses HA-30
 A/C relay HA-50, 86
 A/C service data specification..... HA-110
 A/C switch HA-49, 85
 A/C symptom chart (auto A/C)..... HA-58
 A/C symptom chart (manual A/C) HA-24
 A/C system description (auto A/C)..... HA-88
 A/C trouble diagnoses (auto A/C) HA-55
 A/C trouble diagnoses (manual A/C) HA-21
 A/C wiring diagram (auto A/C) HA-66
 A/C wiring diagram (manual A/C) HA-39
 Accelerator control system FE-3
 Accelerator wire adjustment..... FE-3
 Air bag RS-5

Air bag disposal RS-13
 Air bag module..... RS-8
 Air bag precautions GI-2
 Air bleeding for brake system BR-5
 Air cleaner filter replacement..... MA-13
 Air conditioner cut control EC-16
 Air flow meter - See Mass air flow
 sensor..... EC-93
 Air mix door control linkage adjustment..... HA-87
 Air mix. door motor HA-94
 Air spoiler, rear BT-20
 Alternator EL-40
 Ambient sensor HA-90
 Angular tightening application EM-2
 Antenna - See Power antenna..... EL-137
 Antenna..... EL-137
 Anti-freeze coolant mixture ratio..... MA-9
 ASCD (automatic speed control device) EL-155
 AT control EC-208
 AT control unit AT-97
 AT diagnosis communication line..... EC-236
 AT fluid temperature sensor AT-101
 AT removal and installation..... AT-122
 AT self-diagnoses..... AT-41
 AT shift lock system..... AT-112
 AT trouble diagnoses AT-13
 Audio EL-137
 Audio and A/C control removal and
 installation - See Instrument panel BT-11
 Automatic amplifier..... HA-92
 Automatic transmission fluid
 replacement..... MA-18
 Automatic transmission number..... GI-35
 Auxiliary air control (AAC)..... EC-204
 Axle housing (rear)..... RA-8

B

Back door..... BT-7
 Back door opener - See Back door..... BT-7
 Back door trim BT-19
 Back-up lamp..... EL-62
 Back-up lamp switch (MT) MT-4
 Ball joint front axle FA-26
 Battery..... EL-24
 Baulk ring (MT) MT-10
 Belt inspection (drive belt) MA-10
 Blower motor..... HA-49, 85
 Blower resistor HA-49
 Body alignment..... BT-37
 Boost pressure control EC-182
 Brake booster..... BR-17
 Brake control valve (Proportioning
 valve)..... BR-8
 Brake fluid change BR-4
 Brake fluid level MA-21
 Brake fluid level and line check..... BR-4
 Brake hydraulic line..... BR-6
 Brake inspection MA-21
 Brake lines and cables inspection..... MA-21

ALPHABETICAL INDEX

Brake lining temporary checking	MA-22
Brake master cylinder	BR-14
Brake pedal	BR-12
Bumper, front	BT-5
Bumper, rear	BT-7

C

Camshaft inspection	EM-24
Camshaft position sensor inspection	EC-186
Center bearing assembly (propeller shaft)	PD-10
Center bearing disassembly (propeller shaft)	PD-9
Charging system	EL-36
Chassis and body maintenance	MA-17
Cigarette lighter	EL-126
Circuit breaker	EL-20
Clearance lamp	EL-56
Clock	EL-126
Clutch cover	CL-12
Clutch damper	CL-8
Clutch disc	CL-11
Clutch fluid level	MA-17
Clutch master cylinder	CL-6
Clutch operating cylinder	CL-7
Clutch pedal	CL-3
Clutch pedal free play	CL-4
Clutch pedal height	CL-4
Clutch release bearing	CL-9
Clutch withdrawal lever	CL-9
Coil spring (front)	FA-24
Coil spring (rear)	RA-12
Collision diagnosis	RS-36
Combination lamp, front, removal and installation	BT-5
Combination meter	EL-87
Combination meter removal and installation - See Instrument panel	BT-11
Combination switch	EL-41
Compression pressure	EM-8
Compressor clutch removal and installation	HA-106
Compressor description	HA-11
Compressor mounting	HA-105
Compressor precaution	HA-5
Compressor special service tool	HA-5
Connecting rod	EM-39
Connecting rod bearing clearance	EM-43
Connecting rod bushing clearance	EM-44
Console box - See Instrument panel	BT-11
CONSULT for ABS	BR-47
CONSULT for ECCS	EC-43
CONSULT general information	GI-32
Control lever (MT)	MT-12
Control lever Transfer	TF-8
Control valve (AT)	AT-145
Converter housing installation	AT-123
Coolant replacement	MA-11
Cooling circuit (engine)	LC-8

Counter gear (MT)	MT-10	
Counter gear Transfer	TF-10	
Coupling sleeve (MT)	MT-10	GI
Crank angle sensor built into distributor - See Camshaft position sensor	EC-182	MA
Crankcase emission control system - See positive crankcase ventilation	EC-20	
Crankshaft assembly	EM-45	EM
Crankshaft bearing clearance	EM-42	
Crankshaft inspection	EM-41	
Crankshaft position sensor (OBD) DTC0802, P0335	EC-178	LC
Crankshaft position sensor (OBD) DTC0802, P0335 inspection	EC-181	EC
Cruise control - See ASCD	EL-155	
Cylinder block	EM-37	
Cylinder block boring	EM-41	FE
Cylinder head	EM-20	
Cylinder head bolt tightening	EM-31	CL

D

Daytime light system	EL-47	
Daytime running light - See Daytime light system	EL-47	AT
Detonation sensor - See Knock sensor	EC-175	
Diagnosis sensor unit	RS-8	TF
Diagnostic trouble code (DTC) chart	EC-62	
Diagnostic trouble code (DTC) for ECCS OBD system	EC-32	PD
Differential carrier assembly (except FF)	PD-29, 51	
Differential carrier disassembly (except FF)	PD-36	FA
Differential gear oil replacement	MA-20	
Dimensions	GI-36	RA
Distributor	EC-15	
Distributor ignition (DI) system	EC-15	
Dome light - See Interior lamp	EL-81	BR
Door mirror	BT-36	
Door trim	BT-17	
Door, front	BT-9	ST
Door, rear	BT-10	
Drive pinion diff. inspection (except FF)	PD-21, 40	RS
Drive pinion height (except FF)	PD-23, 47	
Drive plate runout	EM-44	
Drive shaft (front)	FA-17	BT
Dropping resistor (AT)	AT-103	
Dual pressure switch	HA-50, 86	HA

E

ECCS basic inspection	EC-60	
ECCS circuit diagram	EC-9	
ECCS component parts location	EC-7	
ECCS fail-safe system	EC-75	
ECCS on board diagnostic system	EC-32	

ALPHABETICAL INDEX

ECCS symptom matrix chart EC-76
 ECCS system diagram and chart EC-10
 ECCS trouble diagnoses EC-56
 ECM input/output signal inspection EC-83
 EGR control (EGRC) - BPT valve EC-195
 EGR control (EGRC) - solenoid valve EC-228
 EGR temperature sensor EC-232
 EGR temperature sensor inspection EC-235
 EGR valve & EVAP canister purge control solenoid valve EC-228
 EGR valve & EVAP canister purge control solenoid valve inspection EC-231
 EGR valve inspection EC-194
 EGRC - BPT valve inspection EC-196
 Electric sun roof EL-150
 Electrical units location EL-239
 Electronic ignition system EC-15
 Engine compartment BT-37
 Engine control module (ECM) EC-211
 Engine coolant temperature sensor (ECTS) EC-103
 Engine coolant temperature sensor (ECTS) P0115, DTC0103 EC-103
 Engine coolant temperature sensor (ECTS) P0115, DTC0103 inspection EC-106
 Engine coolant temperature sensor (ECTS) P0125, DTC0908 EC-112
 Engine coolant temperature sensor (ECTS) P0125, DTC0908 inspection EC-116
 Engine oil filter replacement MA-14
 Engine oil precautions GI-4
 Engine oil replacement MA-14
 Engine outer component parts EM-6
 Engine removal EM-34
 Engine room - See Engine compartment BT-37
 Engine serial number GI-35
 EVAP canister inspection EC-18
 EVAP canister purge control EC-18
 EVAP canister purge volume control valve EC-18
 EVAP vapor lines inspection MA-16
 Evaporative emission (EVAP) system EC-18
 Exhaust gas recirculation (EGR) system EC-187
 Exhaust gas recirculation (EGR) valve EC-187
 Exhaust system FE-7
 Exhaust system inspection MA-17
 Exterior BT-20
 Exterior lamp EL-56

F

Fan control amp HA-96
 Fan switch HA-49, 85
 Fast idle cam (FIC) inspection and adjustment EC-23
 Final drive disassembly (except FF) PD-36
 Final drive pre-inspection (except FF) PD-36

Final drive removal and installation (except FF) PD-14
 Floor trim BT-15
 Fluid temperature sensor (AT) AT-101
 Fluids MA-8
 Flywheel runout EM-44
 Fog lamp, front EL-64
 Fork rod (MT) MT-12
 Forward clutch AT-164
 Freeze frame data EC-33
 Front axle FA-11
 Front bumper BT-5
 Front combination lamp removal and installation BT-5
 Front disc brake BR-20
 Front door BT-9
 Front drive shaft Transfer TF-10
 Front final drive disassembly (4WD) PD-16
 Front final drive pre-inspection (4WD) PD-16
 Front final drive removal and installation (4WD) PD-14
 Front fog lamp EL-64
 Front heated oxygen sensor (Right bank) EC-118
 Front heated oxygen sensor (Left bank) EC-135
 Front heated oxygen sensor heater (Right bank) EC-123
 Front heated oxygen sensor heater (Left bank) EC-140
 Front oxygen sensor (O2S) monitor EC-34
 Front passenger air bag RS-5
 Front seat BT-26
 Front seat belt RS-3
 Front suspension FA-22
 Front washer EL-114
 Front wiper EL-114
 Fuel check valve inspection EC-19
 Fuel cut control (at no load & high engine speed) EC-17
 Fuel filler lid BT-7
 Fuel filter replacement MA-13
 Fuel gauge EL-87, 91
 Fuel injection system function (Left bank) EC-161, 166
 Fuel injection system function (Right bank) EC-151, 156
 Fuel line inspection MA-12
 Fuel precautions GI-5
 Fuel pressure check EC-21
 Fuel pressure regulator EC-22
 Fuel pressure release EC-21
 Fuel pump EC-244
 Fuel pump control EC-244
 Fuel system FE-4
 Fuel tank vacuum relief valve inspection EC-19
 Fuse EL-20
 Fusible link EL-20

ALPHABETICAL INDEX

G

Garage jack and safety stand GI-38
 Gauges EL-86
 Gears (MT) MT-10
 Generator - See Alternator EL-40
 Generic scan tool (GST) EC-54
 Grease MA-8
 Greasing propeller shaft MA-19
 Ground distribution EL-21

H

Harness connector EL-5
 Harness layout EL-242
 Hazard warning lamp EL-67
 Headlamp EL-44
 Heated seat BT-28, EL-154
 Height (Dimensions) GI-36
 HFC134a (R134a) system precaution HA-3
 HFC134a (R134a) system service
 procedure HA-98
 HFC134a (R134a) system service tools HA-6
 HFC134a system service equipment
 precaution HA-8
 High clutch AT-162
 Hood BT-5
 Horn EL-126
 How to erase DTC for ECCS OBD
 system EC-32
 How to follow flow chart in trouble
 diagnoses GI-29
 How to perform efficient diagnosis for
 an electrical incident GI-18
 How to read wiring diagrams GI-8
 How to use this manual GI-6
 Hydraulic lash adjuster inspection EM-29

I

IACV-AAC valve inspection EC-207
 IACV-FICD solenoid valve EC-252
 Identification plate GI-35
 Idle air control valve (IACV) EC-204
 Ignition wire inspection EC-174
 Illumination EL-75
 In vehicle sensor HA-89
 Inhibitor switch AT-102
 Injector inspection EC-241
 Injector removal and installation EC-22
 Instrument panel BT-11
 Intake air temperature sensor EC-98
 Intake air temperature sensor
 inspection EC-102
 Intake door control linkage adjustment... HA-51, 87
 Intake door motor HA-52, 95
 Integrated homelink transmitter EL-236

Interior BT-15
 Interior lamp EL-75

J

Jacking points GI-37
 Journal bearing assembly (propeller
 shaft) PD-11
 Journal bearing disassembly (propeller
 shaft) PD-9

K

Keyless entry system - See Multi-re-
 mote control system EL-194
 Knock sensor (KS) EC-175
 Knock sensor (KS) inspection EC-177
 Knuckle spindle FA-15

L

Length (Dimensions) GI-36
 License lamp EL-56
 Lifting points GI-39
 Limited slip diff. adjustment (except FF) PD-43
 Limited slip diff. assembly (except FF) PD-44
 Limited slip diff. disassembly (except
 FF) PD-41
 Limited slip diff. inspection (except FF) PD-42
 Line pressure solenoid valve AT-101
 Line pressure test (AT) AT-107
 Liquid gasket application EM-2
 Location of electrical units EL-239
 Low and reverse brake AT-168
 LSV (Load sensing valve) BR-9
 Lubricant (R134a) A/C HA-100
 Lubricants MA-8
 Lubrication circuit (engine) LC-4
 Lubrication oil A/C HA-100
 Lubrication-locks, hinges and hood
 latches MA-24
 Luggage room lamp EL-81

M

Magnet clutch HA-106
 Main drive gear (MT) MT-10
 Main gear Transfer TF-10
 Mainshaft (MT) MT-10
 Mainshaft Transfer TF-10
 Maintenance (engine) MA-10
 Maintenance MA-1
 Maintenance general MA-3
 Maintenance periodic MA-5
 Maintenance schedule (1) MA-6

ALPHABETICAL INDEX

Maintenance schedule (2)	MA-7
Malfunction indicator lamp (MIL)	EC-34
Manual transmission number	GI-35
Manual transmission oil replacement	MA-17
Map lamp	EL-81
Mass air flow sensor (MAFS)	EC-93
Mass air flow sensor inspection	EC-97
Master cylinder (brake)	BR-14
Master cylinder (clutch)	CL-6
Meter	EL-86
MIL & Data link connectors circuit	EC-255
Mirror defogger	EL-130
Mirror, door	BT-36
Mirror, out side	BT-36
Misfire	EC-171
Mode door control linkage adjustment ...	HA-51, 87
Model variation	GI-33
Molding - See Exterior	BT-20
MT overhaul	MT-9
MT removal and installation	MT-5
Multi-remote control system	EL-194
Multiport fuel injection (MFI) system	EC-13
Multiport fuel injection precautions	GI-4

N

Neutral position switch (MT)	MT-4
------------------------------------	------

O

Oil change (capacity)	MA-8
Oil pan (engine)	EM-9
Oil pressure (engine)	LC-4
Oil pump (AT)	AT-141
Oil pump (engine)	LC-5
Oil pump regulator valve (engine)	LC-6
Oil seal replacement (engine)	EM-18
Oil seal replacement (front final drive 4WD)	PD-12
Oil seal replacement (front of final drive)	PD-12
Operating cylinder (clutch)	CL-7
Out side mirror	BT-36
Overdrive control switch	AT-102
Overrun clutch	AT-164
Overrun clutch solenoid valve	AT-101
Oversize piston	EM-41

P

Park/Neutral position switch	EC-213
Parking brake control	BR-28
PCV (positive crankcase ventilation) inspection	EC-20
Pilot bushing replacement	EM-46
Pinion bearing preload diff. (except FF)	PD-23
Pinion gear height diff. (except FF)	PD-23, 47

Piston assembly	EM-44
Piston pin inspection	EM-38
Piston ring inspection	EM-39
Piston to bore clearance	EM-40
Power antenna	EL-137
Power door lock	EL-184
Power door mirror	EL-151
Power seat	EL-152
Power steering fluid level	MA-23, ST-7
Power steering gear	ST-22
Power steering hydraulic pressure	ST-9
Power steering oil pressure switch	EC-249
Power steering oil pump	ST-32
Power steering system bleeding	ST-8
Power supply routing	EL-8
Power transistor & ignition coil	EC-219
Power window	EL-176
Precautions (General)	GI-2
Pressure plate - See Clutch cover	CL-12
Pressure test (AT)	AT-107
Propeller shaft	PD-6
Propeller shaft inspection	MA-19
Propeller shaft on vehicle service	PD-7
Propeller shaft vibration	PD-7

R

Rack retainer adjustment	ST-7
Radiator	LC-11
Radio - See Audio	EL-137
Rear air spoiler	BT-20
Rear axle (drum brake type)	RA-6
Rear bumper	BT-7
Rear combination lamp removal and installation	BT-20
Rear cover packing replacement diff.	PD-13
Rear door	BT-10
Rear drum brake	BR-24
Rear heated oxygen sensor (Right bank)	EC-126
Rear heated oxygen sensor (Left bank)	EC-143
Rear heated oxygen sensor heater (Right bank)	EC-131
Rear heated oxygen sensor heater (Left bank)	EC-148
Rear seat	BT-29
Rear seat belt	RS-4
Rear side window	BT-35
Rear suspension	RA-10
Rear washer	EL-121
Rear window defogger	EL-130
Rear wiper	EL-121
Refrigerant connection precaution	HA-4
Refrigerant general precaution	HA-3
Refrigerant lines	HA-102
Refrigeration cycle	HA-10
Release bearing (clutch)	CL-9
Reverse clutch	AT-158
Reverse gear (MT)	MT-10
Reverse idler shaft (MT)	MT-10

ALPHABETICAL INDEX

Reverse lamp switch (MT) - See
Back-up lamp switch (MT)..... MT-4
Revolution sensor (AT)..... AT-103
Ring gear diff. Inspection (except FF) PD-21, 40
Road wheel size..... GI-36
Roof trim BT-18
Room lamp - See Interior lamp EL-81
Room lamp EL-81
Rotor disc (front)..... FA-12

S

SAE J1930 terminology list GI-43
Screw Jack GI-37
Seal - See Exterior BT-20
Seat belt inspection MA-24
Seat belt, front..... RS-3
Seat belt, rear RS-4
Seat, front BT-26
Seat, rear BT-29
Self-diagnostic results EC-34
Shift control (MT) MT-12
Shift control (TF) TF-11, 23
Shift fork (MT) MT-12
Shift lock system AT-112
Shift schedule..... AT-33
Shift solenoid valve (AT) AT-101
Shock absorber (adjustable, front) FA-28
Shock absorber (adjustable, rear)..... RA-14
Shock absorber (rear) RA-12
Side bearing preload (front final drive
4WD)..... PD-22
Side trim..... BT-15
Spare tire size GI-36
Spark plug replacement..... MA-15
Speedometer EL-87
Spiral cable RS-8
Spot lamp..... EL-81
Spring (Wheelarch) height..... FA-6
SRS - See Supplemental Restraint
System..... RS-5
SRS Trouble diagnoses RS-17
SRS Wiring diagram RS-20
Stabilizer bar (front) FA-25
Stabilizer bar (rear) RA-13
Stall test (AT)..... AT-103
Standardized relay EL-6
Start signal EC-242
Starter EL-35
Starting system EL-28
Steering gear, linkage and transfer
gear inspection..... MA-23
Steering linkage ST-22
Steering switch EL-43
Steering transfer gear..... ST-14
Steering wheel and column ST-10
Steering wheel play ST-6
Steering wheel turning force..... ST-8
Stop lamp..... EL-60
Striking rod (MT) MT-12

Strut (front)..... FA-24
Sun roof, electric..... EL-150
Sunload sensor HA-91
Sunroof BT-30
Supplemental Restraint System..... RS-5
Symbols and abbreviations GI-7
Synchronizer (MT)..... MT-10

T

Tachometer EL-87
Tail lamp..... EL-56
Temperature control cable and linkage
adjustment HA-51
Theft warning system EL-208
Thermostat..... LC-10
Three way catalyst precautions GI-4
Throttle position sensor (TPS) EC-107
Throttle position sensor adjustment..... EC-60
Throttle position sensor inspection..... EC-111
Throttle position switch..... AT-103
Throwout bearing - See Clutch release
bearing CL-9
Tie-rod..... ST-26
Tie-rod ball joints ST-26
Tightening torque of standard bolts GI-42
Timing belt EM-12
Tire rotation..... MA-21
Tire size GI-36
Tooth contact (front final drive 4WD) PD-28
Tooth contact diff. (except FF) PD-50
Torque converter clutch solenoid valve..... AT-101
Torque converter installation AT-123
Tow truck towing..... GI-40
Towing point GI-41
Transfer case TF-9
Transfer gear oil..... MA-8
Transfer oil replacement..... MA-19
Transfer overhaul..... TF-9
Transfer removal and installation TF-7
Transfer serial number GI-35
Transmission case (MT)..... MT-9
Transverse link (front)..... FA-26
Tread-FR&RR (Dimensions) GI-36
Trim BT-15
Turn signal lamp EL-67
Two trip detection logic EC-32
Two-pole lift GI-39

U

Under body BT-39

V

Vacuum hose (brake system) BR-19
Vacuum hose drawing (ECCS) EC-11

ALPHABETICAL INDEX

Valve clearance..... EM-49
Valve guide inspection..... EM-26
Valve seat inspection..... EM-27
Valve spring inspection..... EM-28
Vehicle identification number GI-34
Vehicle speed sensor (VSS)..... EC-200
Viscosity number (SAE)..... MA-9

W

Warning buzzer..... EL-105
Warning lamps..... EL-96
Washer, front..... EL-114
Washer, rear..... EL-121
Water cock control rod adjustment..... HA-51, 87
Water pump..... LC-9
Water temperature gauge..... EL-87, 91
Weatherstrip - See Exterior..... BT-20
Wheel alignment (front)..... FA-8
Wheel balance..... MA-21

Wheel bearing (front axle)..... FA-6
Wheel bearing (rear)..... RA-5
Wheel hub (front)..... FA-12
Wheel sensors (ABS)..... BR-38
Wheel size..... GI-36
Wheelarch height..... FA-6
Wheelbase (Dimensions)..... GI-36
Wide open & closed throttle position
 (CTP) switch..... EC-107
Width (Dimensions)..... GI-36
Window, rear side..... BT-35
Windshield..... BT-34
Windshield washer - See Front washer..... EL-114
Windshield wiper - See Front wiper..... EL-114
Wiper and washer..... EL-112
Wiper, front..... EL-114
Wiper, rear..... EL-121
Withdrawal lever (clutch)..... CL-9
Wrist pin - See Piston pin inspection..... EM-38