

SECTION IDX
ALPHABETICAL INDEX

A

B

C

D

E

F

G

H

I

J

K

L

IDX

ALPHABETICAL INDEX

Numerics

4LO switch	TF-59
4WD shift switch	TF-63
4WD system description	TF-15
4WD system diagram	TF-18
A	
A/C air flow	MTC-26
A/C compressor clutch removal and installation .	MTC-104
A/C compressor mounting	MTC-102
A/C compressor precaution	MTC-9
A/C compressor special service tool	MTC-12
A/C control operation (manual A/C)	MTC-25
A/C evaporator	MTC-110
A/C HFC134a (R134a) system identification	MTC-5
A/C HFC134a (R134a) system precaution	MTC-4
A/C HFC134a (R134a) system service procedure	MTC-99
A/C HFC134a (R134a) system service tools ..	MTC-12
A/C HFC134a system service equipment precaution ...	MTC-9
A/C lubricant (R134a)	MTC-19
A/C lubrication oil	MTC-19
A/C operational check	MTC-42
A/C service data specification	MTC-115
A/C trouble diagnoses (manual A/C)	MTC-28
A/C, M - Wiring diagram	MTC-36
A/F - Wiring diagram ...	EC-224, EC-230, EC-236, EC-243, EC-561
A/FH - Wiring diagram	EC-167
A/T fluid checking	AT-13, AT-53, MA-32
A/T fluid cooler cleaning	AT-15
A/T fluid replacement	AT-14, MA-34
A/T fluid temperature sensor	AT-133
A/T IND - Wiring diagram	DI-48
A/T indicator	DI-48
A/T self-diagnoses	AT-101
A/T shift lock system	AT-223
A/T trouble diagnoses	AT-44
A/T Wiring diagram AT - CAN	AT-104
A/T Wiring diagram AT - FTS	AT-134
A/T Wiring diagram AT - MAIN	AT-173
A/T Wiring diagram AT - NONDTC	AT-181
A/T Wiring diagram AT - PNP/SW	AT-112
A/T Wiring diagram AT - STSIG	AT-107
A/T Wiring diagram AT - VSS A/T	AT-119
ABLS - Wiring diagram	BRC-53
ABLS (active brake limited slip)	BRC-44
ABS - Wiring diagram	BRC-15, BRC-53, BRC-100
ABS (anti-lock brake system)	BRC-7, BRC-44, BRC-90
Accelerator control system	ACC-3
Accelerator pedal position (APP) sensor .	EC-532, EC-538, EC-552, EC-1199, EC-1205, EC-1219
Accelerator pedal released position learning	EC-84, EC-687
AF1B1-Wiring diagram	EC-841, EC-850, EC-859, EC-

869, EC-1228	
AF1B2-Wiring diagram	EC-843, EC-852, EC-861, EC-871, EC-1230
AF1HB1-Wiring diagram	EC-775
AF1HB2-Wiring diagram	EC-777
Aiming adjustment	LT-25, LT-61
Air bag	SRS-3
Air bleeding (hydraulic clutch)	CL-8
Air cleaner and air duct	EM-16, EM-126
Air cleaner filter	EM-16, EM-126
Air cleaner filter replacement	MA-17, MA-26
Air conditioner cut control	EC-34, EC-637
Air flow meter - See Mass air flow sensor	EC-182, EC-191, EC-797, EC-806
Air fuel ratio sensor 1 ..	EC-222, EC-228, EC-234, EC-240, EC-559, EC-838, EC-848, EC-857, EC-866, EC-1226
Air fuel ratio sensor 1 heater	EC-166, EC-773
Air mix. door motor	MTC-51
Angular tightening application	EM-6, EM-115
Antenna	AV-64
Anti-lock brake system - See ABS	BRC-7, BRC-44, BRC-90
Anti-lock brake system - Wiring diagram	BRC-15, BRC-53, BRC-100
APPS1 - Wiring diagram	EC-534, EC-1201
APPS2 - Wiring diagram	EC-540, EC-1207
APPS3 - Wiring diagram	EC-554, EC-1221
ASC/BS - Wiring diagram	EC-494, EC-1156
ASC/SW - Wiring diagram	EC-487, EC-1149
ASCBOF - Wiring diagram	EC-569, EC-1239
ASCD	EC-35, EC-638
ASCD (automatic speed control device)	ACS-2
ASCD brake switch	EC-492, EC-568
ASCD clutch switch	EC-492, EC-568
ASCD indicator lamp	EC-581
ASCD steering switch	EC-485
ASCIND - Wiring diagram	EC-582, EC-1253
ATP switch	TF-87, TF-89
Audio	AV-5
AUDIO - Wiring diagram	AV-11
Auto anti-dazzling inside mirror	GW-67
Autolamp	LT-40
Automatic transmission number	GI-52, GI-53

B

B/COMP - Wiring diagram	DI-65
Back door trim	EI-32
BACK/L - Wiring diagram	LT-88
Back-up lamp	LT-88
Back-up lamp switch (M/T)	MT-11, MT-17, MT-62, MT-71
Ball joint (front)	FSU-15
Basic inspection	EC-77, EC-680
Battery	SC-4
Battery current sensor ..	EC-457, EC-464, EC-471, EC-478, EC-1119, EC-1126, EC-1133, EC-1140
Battery/Starting/Charging System Tester	SC-6, SC-18,

ALPHABETICAL INDEX

SC-28	
Baulk ring (M/T)	MT-19 , MT-73
BCM (Body control module)	BCS-3
Block heater	EM-75 , EM-217
Blower motor	MTC-59 , MTC-86
Board computer	DI-64
Body alignment	BL-166
Body component parts	BL-150
Body construction	BL-164
Body exterior paint color	BL-148
Body mounting	BL-146
Body repair	BL-148
Body sealing	BL-161
Boring/horning cylinder block	EM-96 , EM-238
Brake booster	BR-16
Brake fluid level	MA-40
Brake hydraulic line	BR-11
Brake inspection	MA-41
Brake lines and cables inspection	MA-40
Brake master cylinder	BR-14
Brake switch	EC-492 , EC-508 , EC-568 , EC-1175
BRK/SW - Wiring diagram	EC-509 , EC-1176
Bulb specifications	LT-158
Bumper, front	EI-14
Bumper, rear	EI-17

C

Cabin air filter	MTC-87
Camshaft	EM-36 , EM-185
Camshaft inspection	EM-38 , EM-187
Camshaft position sensor (PHASE) ..	EC-328 , EC-977
CAN - Wiring diagram	EC-158 , EC-765 , LAN-24 , LAN-47 , LAN-58 , LAN-71 , LAN-82 , LAN-93 , LAN-106 , LAN-119 , LAN-133 , LAN-145 , LAN-157 , LAN-170 , LAN-184 , LAN-198 , LAN-213 , LAN-228
CAN communication	EC-37 , EC-157 , EC-160 , EC-764 , EC-767
Canister-See EVAP canister	EC-41 , EC-644
CHARGE - Wiring diagram	SC-27
Charging system	SC-25
Chassis and body maintenance	MA-31
Chassis and body maintenanceSchedule 1	MA-8
Chassis and body maintenanceSchedule 2	MA-10
CHIME - Wiring diagram	DI-52
Circuit breaker	PG-17
Closed loop control	EC-31 , EC-449 , EC-634
Clutch cover	CL-18
Clutch disc	CL-18
Clutch master cylinder	CL-9
Clutch operating cylinder	CL-11
Clutch pedal	CL-6
Clutch release bearing	CL-14
Clutch release mechanism	CL-14
Clutch withdrawal lever	CL-14
Coil spring (front)	FSU-10
Collision diagnosis	SRS-58
Combination lamp, rear, removal and installation ..	LT-105

A [A](#)
 B [B](#)
 C [C](#)
 D [D](#)
 E [E](#)
 F [F](#)
 G [G](#)
 H [H](#)
 I [I](#)
 J [J](#)
 K [K](#)
 L [L](#)

IDX

Combination meter	DI-5
Combination switch	LT-78
COMBSW - Wiring diagram	LT-78
COMPAS - Wiring diagram	DI-31
Compass	DI-30
Component Location (manual A/C)	MTC-31
Compression pressure	EM-60 , EM-202
Compressor clutch removal and installation .	MTC-104
Compressor mounting	MTC-102
Compressor precaution	MTC-9
Compressor special service tool	MTC-12
Condenser	MTC-108
Connecting rod	EM-94 , EM-235
Connecting rod bearing clearance	EM-98 , EM-239
Connecting rod bushing clearance	EM-94 , EM-235
Console box - See Instrument panel	IP-10
CONSULT for ABLS	BRC-61
CONSULT for ABS	BRC-22 , BRC-61 , BRC-113
CONSULT for TCS	BRC-113
CONSULT for VDC	BRC-113
CONSULT general information	GI-38
CONSULT-II for engine	EC-119
Control units (terminal arrangement)	PG-88
Control valve (A/T)	AT-38
COOL/F - Wiring diagram	EC-1108
Coolant mixture ratio	MA-13
Coolant replacement ...	CO-11 , CO-39 , MA-14 , MA-22
Cooling circuit (engine)	CO-8 , CO-36
Cooling fan	CO-18 , CO-47
Cooling fan motor	EC-1114
Cooling unit (A/C evaporator)	MTC-89 , MTC-110
Corrosion protection	BL-158
Counter gear (M/T)	MT-19 , MT-73
Coupling sleeve (M/T)	MT-19 , MT-73
Crankcase ventilation system - See Positive crankcase ventilation	EC-51 , EC-653
Crankshaft	EM-76 , EM-239
Crankshaft position sensor (POS) ..	EC-321 , EC-970
Crash zone sensor	SRS-53
CUR/SE - Wiring diagram ...	EC-459 , EC-466 , EC-473 , EC-480 , EC-1121 , EC-1128 , EC-1135 , EC-1142
Cylinder block	EM-75 , EM-217
Cylinder block boring	EM-97
Cylinder head	EM-60 , EM-202
Cylinder head bolt tightening	EM-63 , EM-205

D

D/LOCK - Wiring diagram	BL-20 , BL-21 , BL-27
Data link connector	EC-121 , EC-132 , EC-613
Daytime light system	LT-29
Daytime running light - See Daytime light system ..	LT-29
DEF - Wiring diagram	GW-72
Diagnosis sensor unit	SRS-56
Diagnostic trouble code (DTC) for OBD system	EC-15 , EC-58 , EC-617
Diagnostic trouble code (DTC) inspection priority chart	EC-96 , EC-697

ALPHABETICAL INDEX

Differential gear oil replacement	MA-37	EVAP control system (small leak) diagnosis ..	EC-346 , EC-398 , EC-405 , EC-997 , EC-1050
DIFLOC - Wiring diagram	RFD-84	EVAP control system pressure sensor ...	EC-382 , EC-385 , EC-391 , EC-1033 , EC-1036 , EC-1042
Dimensions	GI-54	EVAP control system purge flow monitoring diagnosis .	EC-340 , EC-991
Direct clutch solenoid valve	AT-153 , AT-155	EVAP vapor lines inspection	MA-21 , MA-29
Dome light - See Interior lamp	LT-115	Evaporative emission (EVAP) system	EC-38 , EC-641
Door glass	GW-57 , GW-61	Evaporator	MTC-110
Door lock	BL-115	Exhaust manifold	EM-21 , EM-132
Door mirror	GW-88	Exhaust system	EX-4
Door trim	EI-32	Exhaust system inspection	EX-4
Door, front	BL-111 , GW-57	Expansion valve	MTC-111
Door, rear	BL-111 , GW-61	Exterior lamp	LT-5 , LT-29 , LT-40 , LT-55 , LT-63 , LT-90
Drive belt	EM-14 , EM-124		
Drive belt inspectionQR25DE	MA-14		
Drive chain (Transfer)	TF-114 , TF-120		
Driver air bag	SRS-43		
DTC work support	EC-128 , EC-734		
DTRL - Wiring diagram	LT-33		
Duct and grilles	MTC-96		

E

ECM input/output signal	EC-112 , EC-132 , EC-714
ECM power supply	EC-149 , EC-431 , EC-756 , EC-1083
ECM/PW - Wiring diagram	EC-432 , EC-1084
ECTS - Wiring diagram	EC-204 , EC-820
Electric sunroof	RF-10
Electric throttle control actuator	EM-129 , EC-519 , EC-525 , EC-530 , EC-1186 , EC-1197
Electrical load signal circuit	EC-584 , EC-1255
Electrical unit	PG-81
Electrical units location	PG-81
Electronic ignition (EI) system	EC-32 , EC-635
Engine control circuit diagram	EC-110 , EC-712
Engine control component parts location .	EC-103 , EC-704
Engine control module (ECM)	EC-435 , EC-1087
Engine control system diagram	EC-632
Engine control system diagram and chart	EC-29
Engine coolant	CO-10
Engine coolant temperature sensor (ECTS) ...	EC-202 , EC-214 , EC-818 , EC-830
Engine fail-safe system	EC-98 , EC-699
Engine oil	LU-6 , LU-18
Engine oil filter replacement	MA-27
Engine oil filter replacementQR25DE	LU-9 , MA-18
Engine oil precautions	GI-6
Engine oil replacement	MA-26
Engine oil replacementQR25DE	MA-17
Engine removal	EM-71 , EM-214
Engine room cover	EM-123
Engine serial number	GI-52
ETC1 - Wiring diagram	EC-520 , EC-1187
ETC2 - Wiring diagram	EC-515 , EC-1182
ETC3 - Wiring diagram	EC-526 , EC-1193
EVAP canister	EC-41 , EC-644
EVAP canister purge volume control solenoid valve	EC-354 , EC-362 , EC-1013
EVAP canister vent control valve	EC-369 , EC-376 , EC-1020 , EC-1027

F

F/FOG - Wiring diagram	LT-57
F/PUMP - Wiring diagram	EC-591 , EC-1265
Final drive pre-inspection	FFD-17 , RFD-17
Final drive removal and installation ..	RFD-14 , RFD-49 , RFD-116
Flow charts	GI-28
Fluid temperature sensor (A/T)	AT-133
Fluids	MA-11
Fluorescent leak detector	MTC-111
Flywheel (clutch)	CL-18
Flywheel runout	EM-101 , EM-242
Fog lamp, front	LT-55
Fork rod (M/T)	MT-23 , MT-75
Freeze frame data	EC-59 , EC-122 , EC-661
Front brake solenoid valve	AT-149 , AT-151
Front bumper	EI-14
Front case (Transfer)	TF-114 , TF-120
Front door	BL-111 , BL-115 , GW-57
Front Door Trim	EI-32
Front drive shaft (Transfer) ...	TF-114 , TF-120 , TF-133
Front final drive removal and installation (4WD) .	FFD-14
Front fog lamp	LT-55
Front passenger air bag	SRS-47
Front seat	SE-17
Front seat belt	SB-3 , SB-5
Front seat belt pre-tensioner	SRS-3 , SRS-55
Front washer	WW-3
Front wiper	WW-3
FTTS - Wiring diagram	EC-293 , EC-298 , EC-942 , EC-946
FUEL - Wiring diagram	EC-278 , EC-286
Fuel cut control (at no load high engine speed)	EC-33 , EC-636
Fuel filter replacement	FL-6
Fuel gauge	DI-5
Fuel injection system	EC-276 , EC-284
Fuel injection system (Bank 1)	EC-916 , EC-928
Fuel injection system (Bank 2)	EC-916 , EC-928
Fuel injector	EC-585
Fuel injector and fuel tube	EM-29 , EM-145
Fuel level sensor	EC-414 , EC-416 , EC-418 , EC-1066 ,

ALPHABETICAL INDEX

[EC-1068, EC-1070](#)

- Fuel line inspection [FL-4, MA-17](#)
 Fuel pressure check [EC-86, EC-689](#)
 Fuel pressure release [EC-86, EC-689](#)
 Fuel pump [EC-590, EC-1264](#)
 Fuel pump and gauge [FL-6](#)
 Fuel system [FL-4](#)
 Fuel tank [FL-11](#)
 Fuel tank temperature sensor ... [EC-291, EC-297, EC-940, EC-945](#)
 Fuel tank vacuum relief valve [EC-41, EC-644](#)
 FUELB1 - Wiring diagram [EC-918, EC-930](#)
 FUELB2 - Wiring diagram [EC-920, EC-932](#)
 Fuse [PG-17, PG-94](#)
 Fuse and fusible link box [PG-94](#)
 Fuse block [PG-93](#)
 Fusible link [PG-17, PG-94](#)

G

- Garage jack and safety stand [GI-43](#)
 Gauges [DI-5](#)
 Gear components (M/T) [MT-19, MT-73](#)
 Generator [SC-25](#)
 Generic scan tool (GST) [EC-130, EC-736](#)
 Glass [GW-11, GW-15, GW-57, GW-61](#)
 Grease [MA-11](#)
 Ground distribution [PG-34](#)

H

- H/LAMP - Wiring diagram [LT-8](#)
 H/MIRROR - Wiring diagram [GW-91](#)
 Handling precautions for plastics [BL-188](#)
 Harness connector [PG-84](#)
 Harness layout [PG-45](#)
 Hazard warning lamp [LT-63](#)
 Headlamp [LT-5](#)
 Heated oxygen sensor 2 [EC-250, EC-258, EC-268](#)
 Heated oxygen sensor 2 (bank 1) [EC-878, EC-890, EC-904](#)
 Heated oxygen sensor 2 (bank 2) [EC-878, EC-890, EC-904](#)
 Heated oxygen sensor 2 heater [EC-171](#)
 Heated oxygen sensor 2 heater (bank 1) [EC-781](#)
 Heated oxygen sensor 2 heater (bank 2) [EC-781](#)
 Heated seat [SE-14](#)
 HEATER - Wiring diagram [MTC-34](#)
 Heater and cooling unit (Heater core) . [MTC-89, MTC-91](#)
 Heater unit (heater core) [MTC-89, MTC-91](#)
 Height (Dimensions) [GI-54](#)
 HFC134a (R134a) system identification [MTC-5](#)
 HFC134a (R134a) system precaution [MTC-4](#)
 HFC134a (R134a) system service procedure [MTC-99](#)
 HFC134a (R134a) system service tools [MTC-12](#)
 HFC134a system service equipment precaution [MTC-9](#)
 High & low reverse clutch solenoid valve . [AT-157, AT-159](#)

- HO2S2 - Wiring diagram [EC-253, EC-261, EC-271](#)
 HO2S2H - Wiring diagram [EC-173](#)
 Homelink universal transceiver [BL-143](#)
 Horn [WW-34](#)
 HORN - Wiring diagram [WW-34](#)
 How to erase DTC for OBD system [EC-67, EC-670](#)
 HSEAT - Wiring diagram [SE-15](#)

I

- I/MIRR - Wiring diagram [GW-67](#)
 IATS - Wiring diagram [EC-199, EC-815](#)
 Identification plate [GI-51](#)
 Idle air volume learning [EC-84, EC-687](#)
 Idle speed [EC-77](#)
 Idle speed control (ISC) [EC-422, EC-424, EC-1074, EC-1076](#)
 Ignition coil [EM-26, EM-142, EC-596, EC-1270](#)
 Ignition control system [EC-596, EC-1270](#)
 Ignition key hole illumination [LT-115](#)
 Ignition timing [EC-77](#)
 IGN/SYS - Wiring diagram [EC-597, EC-1271](#)
 ILL - Wiring diagram [LT-149](#)
 Illumination [LT-143](#)
 Illumination control [LT-143](#)
 In-cabin Microfilter [MTC-87](#)
 INJECT - Wiring diagram [EC-586, EC-1258](#)
 Injector [EC-585, EC-1257](#)
 Input clutch solenoid valve [AT-145, AT-147](#)
 Instrument panel [IP-10](#)
 INT/L - Wiring diagram [LT-123, LT-131](#)
 Intake air temperature sensor [EC-198, EC-217, EC-813, EC-833](#)
 Intake door motor [MTC-55, MTC-56, MTC-92](#)
 Intake manifold [EM-18, EM-130](#)
 Intake manifold collector [EM-18, EM-127](#)
 Intake sensor [MTC-82, MTC-85](#)
 Intake valve timing control [EC-162](#)
 Intake valve timing control (Bank 1) [EC-769](#)
 Intake valve timing control (Bank 2) [EC-769](#)
 Intake valve timing control solenoid valve [EC-177](#)
 Intake valve timing control solenoid valve (Bank 1) [EC-790](#)
 Intake valve timing control solenoid valve (Bank 2) [EC-790](#)
 Integrated homelink transmitter - See Homelink universal transceiver [BL-143](#)
 Interior [EI-35](#)
 Interior lamp [LT-115](#)
 Interior lamp on-off control [LT-115](#)
 Internal gear (Transfer) [TF-114, TF-120](#)
 IPDM (Intelligent power distribution module engine room) [PG-18](#)
 IVC - Wiring diagram [EC-178](#)
 IVCB1 - Wiring diagram [EC-791](#)
 IVCB2 - Wiring diagram [EC-793](#)

A

B

C

D

E

F

G

H

I

J

K

L

IDX

ALPHABETICAL INDEX

J

- Jacking points [GI-43](#)
 Junction box (J/B) [PG-93](#)

K

- Key illumination [LT-115](#)
 KEYLESS - Wiring diagram [BL-51, BL-52, BL-57](#)
 Knock sensor (KS) [EC-316, EC-965](#)
 KS - Wiring diagram [EC-317, EC-966](#)

L

- Leaf spring (rear) [RSU-8](#)
 Length (Dimensions) [GI-54](#)
 License lamp [LT-90](#)
 Lifting points [GI-44](#)
 Line pressure solenoid valve [AT-128](#)
 Line pressure test (A/T) [AT-54](#)
 Liquid gasket application [EM-6, EM-115, LU-2, LU-13, CO-3, CO-30](#)
 Location of electrical units [PG-81](#)
 Low coast brake solenoid valve [AT-161, AT-163](#)
 Low tire pressure warning system [WT-8](#)
 Low tire pressure warning system - trouble diagnoses .
[WT-11](#)
 Low tire pressure warning system - Wiring diagram
[WT-11](#)

- Lubricant (R134a) A/C [MTC-19](#)
 Lubricants [MA-11](#)
 Lubrication circuit (engine) [LU-4, LU-16](#)
 Lubrication oil A/C [MTC-19](#)
 Lubrication-locks, hinges and hood latches [MA-43](#)

M

- M/T major overhaul [MT-17](#)
 MAFS - Wiring diagram [EC-185, EC-193, EC-800, EC-808](#)
 Magnet clutch [MTC-67, MTC-104](#)
 MAIN - Wiring diagram [EC-149, EC-756](#)
 Main drive gear (M/T) [MT-19, MT-73](#)
 Mainshaft (M/T) [MT-19, MT-73](#)
 Mainshaft (Transfer) [TF-114, TF-120](#)
 Maintenance (engine)QR25DE [MA-14](#)
 Maintenance (engine)Schedule 1 [MA-7](#)
 Maintenance (engine)Schedule 2 [MA-9](#)
 Major overhaul (Final drive) [FFD-16, RFD-15, RFD-50, RFD-117](#)
 Major overhaul (Transfer) [TF-112](#)
 Malfunction indicator lamp (MIL) [EC-68, EC-671](#)
 Map lamp [LT-115](#)
 Mass air flow sensor (MAFS) [EC-182, EC-191, EC-797, EC-806](#)
 Master cylinder (clutch) [CL-9](#)
 Meter [DI-5](#)
 METER - Wiring diagram [DI-10](#)
 MIL data link connectors circuit [EC-613, EC-1297](#)

- MIL/DL - Wiring diagram [EC-613, EC-1297](#)
 MIRROR - Wiring diagram [GW-88](#)
 Mirror, door [GW-88](#)
 Misfire [EC-309, EC-956](#)
 Mode door motor [MTC-47, MTC-48, MTC-93](#)
 Model variation [GI-49](#)
 Multifunction switch [LT-78](#)
 Multiport fuel injection (MFI) system ... [EC-30, EC-633](#)
 Multiport fuel injection precautions [GI-5](#)
 Multi-remote control system - See Remote keyless entry system [BL-47](#)

N

- NATS - Wiring diagram [BL-126](#)
 NVH troubleshooting (AX) [FAX-4](#)
 NVH troubleshooting (EM) [EM-12, EM-121](#)
 NVH troubleshooting (Final drive) [FFD-6, RFD-8, RFD-42, RFD-77](#)
 NVH troubleshooting (M/T) [MT-7, MT-56](#)
 NVH troubleshooting (Propeller shaft) [PR-3](#)
 NVH troubleshooting (ST) [PS-5](#)
 NVH troubleshooting (Transfer) [TF-11](#)
 NVH troubleshooting (WT)NVH troubleshooting (WT) ..
[WT-4](#)
 NVIS (Nissan vehicle immobilizer system) [BL-123](#)

O

- O2H2B1 - Wiring diagram [EC-783](#)
 O2H2B2 - Wiring diagram [EC-785](#)
 O2S2B1 - Wiring diagram ... [EC-881, EC-893, EC-907](#)
 O2S2B2 - Wiring diagram ... [EC-883, EC-895, EC-909](#)
 Oil change (capacity)QR25DE [MA-11](#)
 Oil cooler (engine) [LU-10, LU-22](#)
 Oil filter [LU-9, LU-21](#)
 Oil pan (engine) [EM-137](#)
 Oil pressure (engine) [LU-6, LU-19](#)
 Oil pump (engine) [LU-24](#)
 Oil pump regulator valve (engine) [LU-24](#)
 Oil seal replacement (engine) . [EM-48, EM-57, EM-60, EM-75, EM-199](#)

- Oil seal replacement (front of final drive) [FFD-9, RFD-11](#)

- Oil seal replacement (side of final drive) [FFD-12](#)
 On board diagnostic system [EC-54, EC-656](#)
 Operating cylinder (clutch) [CL-11](#)
 ORVR (On-board Refueling Vapor Recovery) . [EC-45, EC-648](#)

- Overheat [EC-450, EC-1104](#)
 Oversize piston [EM-97, EM-237](#)

P

- P/SCKT - Wiring diagram [WW-32](#)
 Pantograph jack [GI-43](#)
 Park/Neutral position switch [EC-443, EC-1095](#)
 Park/neutral position switch (A/T) [AT-111](#)
 Park/neutral position switch (M/T) . [MT-11, MT-17, MT-](#)

ALPHABETICAL INDEX

62, MT-71	Rear window defogger	GW-69
Parking brake control	PB-4	
Parking lamp	LT-90	
PCV (positive crankcase ventilation) ...	EC-51, EC-653	
PGC/V - Wiring diagram ...	EC-356, EC-364, EC-1007, EC-1015	
PHASE - Wiring diagram	EC-330	
PHSB1 - Wiring diagram	EC-979	
PHSB2 - Wiring diagram	EC-981	
Pilot bushing replacement - See Pilot converter	EM-75, EM-218	
Piston assembly	EM-96, EM-228	
Piston pin inspection	EM-92, EM-233	
Piston ring inspection	EM-93, EM-234	
Piston to bore clearance	EM-96, EM-237	
Planetary carrier (Transfer) ...	TF-114, TF-120, TF-129	
PNP/SW - Wiring diagram	EC-445, EC-1097	
POS - Wiring diagram	EC-323, EC-972	
POWER - Wiring diagram	PG-6	
Power door lock	BL-16	
Power seat	SE-10	
Power steering fluid level	MA-42	
Power steering gear	PS-15	
Power steering oil pump	PS-20	
Power steering pressure (PSP) sensor ...	EC-426, EC-1078	
Power steering system bleeding	PS-6	
Power supply routing	PG-4	
Power window	GW-17	
PRE/SE - Wiring diagram .	EC-387, EC-393, EC-1038, EC-1044	
Precautions (General)	GI-3	
Precautions in repairing high strength steel	BL-191	
Pressure plate - See Clutch cover	CL-18	
Pressure switch 1	AT-151, AT-165	
Pressure switch 2	AT-163	
Pressure switch 3	AT-147, AT-167	
Pressure switch 5	AT-155, AT-169	
Pressure switch 6	AT-159, AT-171	
Pressure test (A/T)	AT-54	
Propeller shaft	PR-4, PR-9	
Propeller shaft inspection	MA-36	
Propeller shaft on vehicle service	PR-9	
Propeller shaft vibration	PR-4, PR-9	
PS/SEN - Wiring diagram	EC-427, EC-1079	
 R		
Radiator	CO-15, CO-44	
Radio - See Audio	AV-5	
Rear bumper	EI-17	
Rear case (Transfer)	TF-114, TF-120	
Rear combination lamp removal and installation ...	LT-105	
Rear cover packing replacement diff.	FFD-13, RFD-13	
Rear door	BL-111, GW-61	
Rear seat	SE-28	
Rear seat belt	SB-7, SB-9	
Rear window	GW-15	
Rear window defogger	GW-69	
Refrigerant connection precaution	MTC-6	
Refrigerant discharging evacuating charging .	MTC-99	
Refrigerant general precaution	MTC-5	
Refrigerant lines	MTC-99, MTC-107, MTC-108	
Refrigerant pressure sensor .	EC-608, EC-1283, MTC-108	
Relay box	PG-95	
Release bearing (clutch)	CL-14	
Remote keyless entry system	BL-47	
Removal and installation (Transfer)	TF-111	
Reverse idler shaft (M/T)	MT-19, MT-73	
Reverse lamp switch (M/T) - See Back-up lamp switch (M/T)	MT-11, MT-17, MT-62, MT-71	
Reverse main gear (M/T)	MT-19, MT-73	
Revolution sensor (A/T)	AT-117	
Road wheel size	GI-54	
Rocker cover	EM-34, EM-151	
Room lamp	LT-115	
Room lamp - See Interior lamp	LT-115	
ROOM/L - Wiring diagram	LT-123, LT-131	
RP/SEN - Wiring diagram	EC-609, EC-1284	
S		
SAE J1979 - Service \$01 - 09	EC-54, EC-656	
SEAT - Wiring diagram	SE-10, SE-11	
Seat belt inspection	SB-11, MA-44	
Seat belt pre-tensioner	SRS-55	
Seat belt, front	SB-3, SB-5	
Seat belt, rear	SB-7, SB-9	
Seat, front	SE-17	
Seat, rear	SE-28	
Self-diagnosis (Transfer)	TF-45	
SEN/PW - Wiring diagram	EC-439, EC-1091	
SHIFT - Wiring diagram	AT-224	
Shift control (Transfer)	TF-114, TF-120, TF-135	
Shift control components (M/T)	MT-23, MT-75	
Shift fork (M/T)	MT-23, MT-75	
Shift lever	MT-12, MT-23, MT-63	
Shift lock system	AT-223	
Shock absorber (front)	FSU-10	
Shock absorber (rear)	RSU-7	
Side air bag (satellite) sensor	SRS-54	
Side curtain air bag	SRS-51	
Side trim	EI-35	
SMJ (super multiple junction)	PG-91	
Spare tire size	GI-54	
Spark plug	EM-27, EM-143	
Spark plug replacement	EM-143, MA-28	
Spark plug replacementQR25DE	EM-27, MA-19	
Specification value	EC-138, EC-745	
Speedometer	DI-5	
Spiral cable	SRS-45	
SROOF - Wiring diagram	RF-13	
SRS - See Supplemental Restraint System	SRS-5	
SRS - Wiring diagram	SRS-12	
SRS Trouble diagnoses	SRS-8	
Stabilizer bar (front)	FSU-12	

IDX

ALPHABETICAL INDEX

Stall test (A/T)	AT-53	TPS1 - Wiring diagram	EC-304 , EC-951
Standardized relay	PG-89	TPS2 - Wiring diagram	EC-209 , EC-825
START - Wiring diagram	SC-12	TPS3 - Wiring diagram	EC-547 , EC-1214
Starting system	SC-10	Traction control system - See TCS	BRC-90
Steering gear, linkage and transfer gear inspection	MA-41	Traction control system - Wiring diagram	BRC-100
Steering linkage	PS-15	Transfer control device	TF-76 , TF-107
Steering wheel and column	PS-8	Transfer control unit inspection table	TF-37
Stop lamp	LT-84	Transfer serial number	GI-52
Stop lamp switch .	EC-492 , EC-508 , EC-568 , EC-1175	Transmission case (M/T)	MT-17 , MT-71
STOP/L - Wiring diagram	LT-85	Transmission serial number	GI-52 , GI-53
Striking rod (M/T)	MT-23 , MT-75	Tread-FR&RR (Dimensions)	GI-54
Strut (front)	FSU-10	Trim	EI-35
Sun gear (Transfer)	TF-114 , TF-120	TRNSCV - Wiring diagram	BL-143
Sun roof, electric	RF-10	Trouble diagnoses	GI-10
Sunroof	RF-24	Turbine revolution sensor	AT-115
Supplemental Restraint System	SRS-5	TURN - Wiring diagram	LT-66
Symbols and abbreviations	GI-10 , GI-23	Turn signal lamp	LT-63
Symptom matrix chart	EC-99 , EC-700	Two trip detection logic	EC-54 , EC-656
Synchronizer (M/T)	MT-19 , MT-73	Two-pole lift	GI-44
System readiness test (SRT) code	EC-59 , EC-662		

T

T/TOW - Wiring diagram	LT-110
Tachometer	DI-5
Tail lamp	LT-90
TAIL/L - Wiring diagram	LT-92
TCM circuit diagram	AT-52
TCM inspection table	AT-86
TCS - Wiring diagram	BRC-100
TCS (traction control system)	BRC-90
TCS component parts and connector location	BRC-98
Theft warning system - See Vehicle security (Theft warning) system	BL-80
Thermometer	DI-30
Thermostat	CO-54
Three way catalyst	EM-21 , EM-132
Three way catalyst function	EC-335
Three way catalyst function (Bank 1)	EC-986
Three way catalyst function (Bank 2)	EC-986
Three way catalyst precautions	GI-5
Throttle body	EM-20
Throttle control motor	EC-525 , EC-1192
Throttle control motor relay	EC-513 , EC-1180
Throttle position sensor (TPS) ..	EC-207 , EC-302 , EC-453 , EC-455 , EC-545 , EC-823 , EC-949 , EC-1115 , EC-1117 , EC-1212
Throttle valve closed position learning	EC-84
Throwout bearing - See Clutch release bearing	CL-14
Tie-rod	PS-15
Timing chain	EM-48 , EM-165
Tire rotation	MA-40
Tire size	GI-54
Torque converter installation	AT-251 , AT-253 , AT-255
Torque convertor clutch solenoid valve ...	AT-124 , AT-126
Tow truck towing	GI-45
Towing point	GI-46

V

Vacuum hose (brake system)	BR-19
Vacuum hose drawing (Engine control) ..	EC-109 , EC-711
Valve clearance	EM-45 , EM-194
Valve guide	EM-67 , EM-209 , EM-210
Valve lifter	EM-36 , EM-189
Valve seat	EM-69 , EM-211
Valve spring	EM-70 , EM-212 , EM-213
Vanity mirror lamp	LT-115
Variable induction air control system (VIAS)	EC-1170 , EC-1288
VDC (vehicle dynamics control)	BRC-90
VDC -Wiring diagram	BRC-100
Vehicle identification number	GI-51
Vehicle recovery (freeing a stuck vehicle)	GI-46
Vehicle security (theft warning) system	BL-80
Vehicle speed sensor (VSS)	EC-420 , EC-505 , EC-507 , EC-1072 , EC-1169
VEHSEC - Wiring diagram	BL-84 , BL-85 , BL-92
VENT/V - Wiring diagram .	EC-371 , EC-378 , EC-1022 , EC-1029
VIAS - Wiring diagram	EC-1290
VIAS/V - Wiring diagram	EC-1171
VIN registration	EC-83 , EC-686
Viscosity number (SAE)	MA-13

W

Wait detection switch	TF-67
WARN - Wiring diagram	DI-36
Warning chime	DI-50
Warning lamps	DI-35
Washer, front	WW-3
Water pump	CO-19 , CO-49
Water temperature gauge	DI-5
Wheel alignment (front)	FSU-6
Wheel balance	MA-38

ALPHABETICAL INDEX

Wheel bearing (front)	FAX-5	A
Wheel bearing (rear)	RAX-6 , RAX-18	
Wheel sensors (ABS)	BRC-13	
Wheel size	GI-54	B
Wheelbase (Dimensions)	GI-54	
Width (Dimensions)	GI-54	
WINDOW - Wiring diagram	GW-23 , GW-29	C
Window, door	GW-57 , GW-61	
Window, rear	GW-15	
Windshield	GW-11	
WIPER - Wiring diagram	WW-8	D
Wiper, front	WW-3	
Wiring Diagram (Cell code) list	PG-78	
Wiring diagram (Transfer)	TF-24 , TF-31	E
Wiring diagrams	GI-16	
Withdrawal lever (clutch)	CL-14	
Wrist pin - See Piston pin inspection	EM-92	F
WT-T/WARN - Wiring diagram	WT-11	

G

H

I

J

K

L

IDX