

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-41](#)
A/C service data specification [MTC-115](#)
A/C trouble diagnoses (manual A/C) [MTC-28](#)
A/C, M - Wiring diagram [MTC-35](#)
A/F - Wiring diagram ... [EC-224](#), [EC-230](#), [EC-236](#), [EC-243](#), [EC-563](#)
A/FH - Wiring diagram [EC-166](#)
A/T fluid checking [AT-12](#), [AT-52](#), [MA-30](#)
A/T fluid cooler cleaning [AT-15](#)
A/T fluid replacement [AT-14](#), [MA-32](#)
A/T fluid temperature sensor [AT-128](#)
A/T IND - Wiring diagram [DI-42](#)
A/T indicator [DI-42](#)
A/T self-diagnoses [AT-96](#)
A/T shift lock system [AT-218](#)
A/T trouble diagnoses [AT-43](#)
ABLS - Wiring diagram [BRC-52](#)
ABLS (active brake limited slip) [BRC-43](#)
ABS - Wiring diagram [BRC-15](#), [BRC-52](#), [BRC-98](#)
ABS (anti-lock brake system) [BRC-7](#), [BRC-43](#), [BRC-88](#)
Accelerator control system [ACC-3](#)
Accelerator pedal position (APP) sensor . [EC-534](#), [EC-540](#), [EC-554](#), [EC-1199](#), [EC-1205](#), [EC-1219](#)
Accelerator pedal released position learning [EC-83](#), [EC-688](#)
AF1B1-Wiring diagram [EC-843](#), [EC-851](#), [EC-859](#), [EC-868](#), [EC-1228](#)
AF1B2-Wiring diagram [EC-845](#), [EC-853](#), [EC-861](#), [EC-870](#), [EC-1230](#)
AF1HB1-Wiring diagram [EC-777](#)
AF1HB2-Wiring diagram [EC-779](#)
Aiming adjustment [LT-23](#), [LT-57](#)
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-25](#)
Air conditioner cut control [EC-33](#), [EC-638](#)
Air flow meter - See Mass air flow sensor [EC-181](#), [EC-190](#), [EC-799](#), [EC-808](#)
Air fuel ratio sensor 1 .. [EC-221](#), [EC-228](#), [EC-234](#), [EC-240](#), [EC-561](#), [EC-840](#), [EC-849](#), [EC-857](#), [EC-865](#), [EC-1226](#)
Air fuel ratio sensor 1 heater [EC-165](#), [EC-775](#)
Air mix. door motor [MTC-49](#)
Angular tightening application [EM-6](#), [EM-115](#)
Antenna [AV-64](#)
Anti-lock brake system - See ABS ... [BRC-7](#), [BRC-43](#), [BRC-88](#)
Anti-lock brake system - Wiring diagram [BRC-15](#), [BRC-52](#), [BRC-98](#)
APPS1 - Wiring diagram [EC-536](#), [EC-1201](#)
APPS2 - Wiring diagram [EC-542](#), [EC-1207](#)
APPS3 - Wiring diagram [EC-556](#), [EC-1221](#)
ASC/BS - Wiring diagram [EC-496](#), [EC-1156](#)
ASC/SW - Wiring diagram [EC-489](#), [EC-1149](#)
ASCBOF - Wiring diagram [EC-571](#), [EC-1239](#)
ASCD [EC-34](#), [EC-639](#)
ASCD (automatic speed control device) [ACS-2](#)
ASCD brake switch [EC-494](#), [EC-570](#)
ASCD clutch switch [EC-494](#), [EC-570](#)
ASCD indicator lamp [EC-583](#)
ASCD steering switch [EC-487](#)
ASCIND - Wiring diagram [EC-584](#), [EC-1253](#)
ATP switch [TF-87](#), [TF-89](#)
Audio [AV-5](#)
AUDIO - Wiring diagram [AV-11](#)
Auto anti-dazzling inside mirror [GW-66](#)
Autolamp [LT-38](#)
Automatic transmission number [GI-52](#), [GI-53](#)

B

B/COMP - Wiring diagram [DI-59](#)
Back door trim [EI-32](#)
BACK/L - Wiring diagram [LT-81](#)
Back-up lamp [LT-81](#)
Back-up lamp switch (M/T) [MT-11](#), [MT-17](#), [MT-62](#), [MT-71](#)
Ball joint (front) [FSU-15](#)
Basic inspection [EC-76](#), [EC-681](#)
Battery [SC-4](#)
Battery current sensor . [EC-459](#), [EC-466](#), [EC-473](#), [EC-480](#), [EC-1119](#), [EC-1126](#), [EC-1133](#), [EC-1140](#)
Battery/Starting/Charging System Tester [SC-6](#), [SC-18](#), [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-57](#), [MTC-86](#)
Board computer [DI-58](#)
Body alignment [BL-162](#)

ALPHABETICAL INDEX

Body component parts	BL-146	Condenser	MTC-108	
Body construction	BL-160	Connecting rod	EM-94 , EM-235	A
Body exterior paint color	BL-144	Connecting rod bearing clearance	EM-98 , EM-239	
Body mounting	BL-142	Connecting rod bushing clearance	EM-94 , EM-235	
Body repair	BL-144	Console box - See Instrument panel	IP-10	B
Body sealing	BL-157	CONSULT for ABLS	BRC-60	
Boring/horning cylinder block	EM-96 , EM-238	CONSULT for ABS	BRC-22 , BRC-60 , BRC-111	
Brake booster	BR-16	CONSULT for TCS	BRC-111	C
Brake fluid level	MA-38	CONSULT for VDC	BRC-111	
Brake hydraulic line	BR-11	CONSULT general information	GI-37	
Brake inspection	MA-39	CONSULT-II for engine	EC-118	D
Brake lines and cables inspection	MA-38	Control units (terminal arrangement)	PG-87	
Brake master cylinder	BR-14	Control valve (A/T)	AT-37	
Brake switch	EC-494 , EC-510 , EC-570 , EC-1175	COOL/F - Wiring diagram	EC-1106	E
BRK/SW - Wiring diagram	EC-511 , EC-1176	Coolant mixture ratio	MA-13	
Bulb specifications	LT-149	Coolant replacement	CO-11 , CO-38 , MA-14 , MA-21	
Bumper, front	EI-14	Cooling circuit (engine)	CO-8 , CO-35	F
Bumper, rear	EI-17	Cooling fan	CO-18 , CO-45	
C				
Cabin air filter	MTC-87	Cooling fan motor	EC-1112	
Camshaft	EM-36 , EM-185	Cooling unit (A/C evaporator)	MTC-89 , MTC-110	G
Camshaft inspection	EM-38 , EM-187	Corrosion protection	BL-154	
Camshaft position sensor (PHASE)	EC-328 , EC-974	Counter gear (M/T)	MT-19 , MT-73	
CAN - Wiring diagram	EC-157 , EC-767 , AT-99	Coupling sleeve (M/T)	MT-19 , MT-73	H
CAN communication	EC-36 , EC-156 , EC-159 , EC-766 , EC-769	Crankcase ventilation system - See Positive crankcase ventilation	EC-50 , EC-654	
Canister-See EVAP canister	EC-40 , EC-645	Crankshaft	EM-76 , EM-239	
CHARGE - Wiring diagram	SC-27	Crankshaft position sensor (POS)	EC-321 , EC-967	I
Charging system	SC-25	Crash zone sensor	SRS-48	
Chassis and body maintenance	MA-29	CUR/SE - Wiring diagram	EC-461 , EC-468 , EC-475 , EC-482 , EC-1121 , EC-1128 , EC-1135 , EC-1142	J
Chassis and body maintenanceSchedule 1	MA-8	Cylinder block	EM-75 , EM-217	
Chassis and body maintenanceSchedule 2	MA-10	Cylinder block boring	EM-97	
CHIME - Wiring diagram	DI-47	Cylinder head	EM-60 , EM-202	K
Circuit breaker	PG-17	Cylinder head bolt tightening	EM-63 , EM-205	
Closed loop control	EC-30 , EC-449 , EC-635	D		
Clutch cover	CL-18	D/LOCK - Wiring diagram	BL-20 , BL-21 , BL-27	L
Clutch disc	CL-18	Data link connector	EC-120 , EC-131 , EC-615	
Clutch master cylinder	CL-9	Daytime light system	LT-27	
Clutch operating cylinder	CL-11	Daytime running light - See Daytime light system	LT-27	
Clutch pedal	CL-6	DEF - Wiring diagram	GW-71	IDX
Clutch release bearing	CL-14	Diagnosis sensor unit	SRS-51	
Clutch release mechanism	CL-14	Diagnostic trouble code (DTC) for OBD system	EC-15 , EC-57 , EC-619	
Clutch withdrawal lever	CL-14	Diagnostic trouble code (DTC) inspection priority chart	EC-95 , EC-699	
Coil spring (front)	FSU-10	Differential gear oil replacement	MA-35	
Collision diagnosis	SRS-53	DIFLOC - Wiring diagram	RFD-83	
Combination lamp, rear, removal and installation	LT-98	Dimensions	GI-54	
Combination meter	DI-5	Direct clutch solenoid valve	AT-148 , AT-150	
Combination switch	LT-72	Dome light - See Interior lamp	LT-108	
COMBSW - Wiring diagram	LT-72	Door glass	GW-56 , GW-60	
COMPAS - Wiring diagram	DI-27	Door lock	BL-111	
Compass	DI-26	Door mirror	GW-85	
Component Location (manual A/C)	MTC-30	Door trim	EI-32	
Compression pressure	EM-60 , EM-202	Door, front	BL-107 , GW-56	
Compressor clutch removal and installation	MTC-104	Door, rear	BL-107 , GW-60	
Compressor mounting	MTC-102			
Compressor precaution	MTC-9			
Compressor special service tool	MTC-12			

ALPHABETICAL INDEX

Drive belt [EM-14](#), [EM-124](#)
Drive belt inspectionQR25DE [MA-14](#)
Drive chain (Transfer) [TF-114](#), [TF-120](#)
Driver air bag [SRS-38](#)
DTC work support [EC-127](#), [EC-736](#)
DTRL - Wiring diagram [LT-31](#)
Duct and grilles [MTC-96](#)

E

ECM input/output signal [EC-111](#), [EC-131](#), [EC-716](#)
ECM power supply [EC-148](#), [EC-431](#), [EC-758](#), [EC-1081](#)
ECM/PW - Wiring diagram [EC-432](#), [EC-1082](#)
ECTS - Wiring diagram [EC-203](#), [EC-822](#)
Electric sunroof [RF-10](#)
Electric throttle control actuator [EM-129](#), [EC-521](#), [EC-527](#), [EC-532](#), [EC-1186](#), [EC-1197](#)
Electrical load signal circuit [EC-586](#), [EC-1255](#)
Electrical unit [PG-80](#)
Electrical units location [PG-80](#)
Electronic ignition (EI) system [EC-31](#), [EC-636](#)
Engine control circuit diagram [EC-109](#), [EC-714](#)
Engine control component parts location . [EC-102](#), [EC-706](#)
Engine control module (ECM) [EC-435](#), [EC-1085](#)
Engine control system diagram [EC-633](#)
Engine control system diagram and chart [EC-28](#)
Engine coolant [CO-10](#)
Engine coolant temperature sensor (ECTS) ... [EC-201](#), [EC-213](#), [EC-820](#), [EC-832](#)
Engine fail-safe system [EC-97](#), [EC-701](#)
Engine oil [LU-6](#), [LU-18](#)
Engine oil filter replacement [LU-21](#), [MA-26](#)
Engine oil filter replacementQR25DE [LU-9](#), [MA-18](#)
Engine oil precautions [GI-6](#)
Engine oil replacement [MA-25](#)
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-522](#), [EC-1187](#)
ETC2 - Wiring diagram [EC-517](#), [EC-1182](#)
ETC3 - Wiring diagram [EC-528](#), [EC-1193](#)
EVAP canister [EC-40](#), [EC-645](#)
EVAP canister purge volume control solenoid valve ... [EC-354](#), [EC-362](#), [EC-1011](#)
EVAP canister vent control valve [EC-369](#), [EC-376](#), [EC-1018](#), [EC-1025](#)
EVAP control system (small leak) diagnosis .. [EC-346](#), [EC-398](#), [EC-405](#), [EC-995](#), [EC-1048](#)
EVAP control system pressure sensor [EC-382](#), [EC-385](#), [EC-391](#), [EC-1031](#), [EC-1034](#), [EC-1040](#)
EVAP control system purge flow monitoring diagnosis [EC-340](#), [EC-989](#)
EVAP vapor lines inspection [MA-20](#), [MA-28](#)
Evaporative emission (EVAP) system . [EC-37](#), [EC-642](#)
Evaporator [MTC-110](#)
Exhaust manifold [EM-21](#), [EM-132](#)
Exhaust system [EX-4](#)

Exhaust system inspection [EX-4](#)
Expansion valve [MTC-111](#)
Exterior lamp [LT-5](#), [LT-27](#), [LT-38](#), [LT-50](#), [LT-59](#), [LT-83](#)

F

F/FOG - Wiring diagram [LT-52](#)
F/PUMP - Wiring diagram [EC-593](#), [EC-1265](#)
Final drive pre-inspection [FFD-16](#), [RFD-17](#)
Final drive removal and installation .. [RFD-14](#), [RFD-48](#), [RFD-114](#)
Flow charts [GI-27](#)
Fluid temperature sensor (A/T) [AT-128](#)
Fluids [MA-11](#)
Fluorescent leak detector [MTC-111](#)
Flywheel (clutch) [CL-18](#)
Flywheel runout [EM-100](#)
Fog lamp, front [LT-50](#)
Fork rod (M/T) [MT-23](#), [MT-75](#)
Freeze frame data [EC-58](#), [EC-121](#), [EC-662](#)
Front brake solenoid valve [AT-144](#), [AT-146](#)
Front bumper [EI-14](#)
Front case (Transfer) [TF-114](#), [TF-120](#)
Front door [BL-107](#), [BL-111](#), [GW-56](#)
Front Door Trim [EI-32](#)
Front drive shaft (Transfer) ... [TF-114](#), [TF-120](#), [TF-133](#)
Front final drive removal and installation (4WD) . [FFD-13](#)
Front fog lamp [LT-50](#)
Front passenger air bag [SRS-42](#)
Front seat [SE-17](#)
Front seat belt [SB-3](#), [SB-5](#)
Front seat belt pre-tensioner [SRS-3](#), [SRS-50](#)
Front washer [WW-3](#)
Front wiper [WW-3](#)
FTS - Wiring diagram [AT-129](#)
FTTS - Wiring diagram [EC-293](#), [EC-298](#), [EC-940](#), [EC-944](#)
FUEL - Wiring diagram [EC-278](#), [EC-286](#)
Fuel cut control (at no load high engine speed) [EC-32](#), [EC-637](#)
Fuel filter replacement [FL-6](#)
Fuel gauge [DI-5](#)
Fuel injection system [EC-276](#), [EC-284](#)
Fuel injection system (Bank 1) [EC-915](#), [EC-927](#)
Fuel injection system (Bank 2) [EC-915](#), [EC-927](#)
Fuel injector [EC-587](#)
Fuel injector and fuel tube [EM-29](#), [EM-145](#)
Fuel level sensor [EC-414](#), [EC-416](#), [EC-418](#), [EC-1064](#), [EC-1066](#), [EC-1068](#)
Fuel line inspection [FL-4](#), [MA-17](#)
Fuel pressure check [EC-85](#), [EC-690](#)
Fuel pressure release [EC-85](#), [EC-690](#)
Fuel pump [EC-592](#), [EC-1264](#)
Fuel pump and gauge [FL-6](#)
Fuel system [FL-4](#)
Fuel tank [FL-12](#)
Fuel tank temperature sensor ... [EC-291](#), [EC-297](#), [EC-938](#), [EC-943](#)

ALPHABETICAL INDEX

Fuel tank vacuum relief valve [EC-40](#), [EC-645](#)
FUELB1 - Wiring diagram [EC-917](#), [EC-929](#)
FUELB2 - Wiring diagram [EC-919](#), [EC-931](#)
Fuse [PG-17](#), [PG-93](#)
Fuse and fusible link box [PG-93](#)
Fuse block [PG-92](#)
Fusible link [PG-17](#), [PG-93](#)

G

Garage jack and safety stand [GI-42](#)
Gauges [DI-5](#)
Gear components (M/T) [MT-19](#), [MT-73](#)
Generator [SC-25](#)
Generic scan tool (GST) [EC-129](#), [EC-738](#)
Glass [GW-11](#), [GW-15](#), [GW-56](#), [GW-60](#)
Grease [MA-11](#)
Ground distribution [PG-33](#)

H

H/LAMP - Wiring diagram [LT-8](#)
H/MIRROR - Wiring diagram [GW-88](#)
Handling precautions for plastics [BL-187](#)
Harness connector [PG-83](#)
Harness layout [PG-44](#)
Hazard warning lamp [LT-59](#)
Headlamp [LT-5](#)
Heated oxygen sensor 2 [EC-250](#), [EC-258](#), [EC-268](#)
Heated oxygen sensor 2 (bank 1) [EC-877](#), [EC-889](#),
[EC-903](#)
Heated oxygen sensor 2 (bank 2) [EC-877](#), [EC-889](#),
[EC-903](#)
Heated oxygen sensor 2 heater [EC-170](#)
Heated oxygen sensor 2 heater (bank 1) [EC-783](#)
Heated oxygen sensor 2 heater (bank 2) [EC-783](#)
Heated seat [SE-14](#)
HEATER - Wiring diagram [MTC-33](#)
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 and low reverse clutch solenoid valve [AT-152](#),
[AT-154](#)
HO2S2 - Wiring diagram [EC-253](#), [EC-261](#), [EC-271](#)
HO2S2H - Wiring diagram [EC-172](#)
Homelink universal transceiver [BL-139](#)
Horn [WW-30](#)
HORN - Wiring diagram [WW-30](#)
How to erase DTC for OBD system [EC-66](#), [EC-671](#)
HSEAT - Wiring diagram [SE-15](#)

I

I/MIRR - Wiring diagram [GW-66](#)
IATS - Wiring diagram [EC-198](#), [EC-817](#)
Identification plate [GI-51](#)
Idle air volume learning [EC-83](#), [EC-688](#)
Idle speed [EC-76](#)
Idle speed control (ISC) [EC-422](#), [EC-424](#), [EC-1072](#),
[EC-1074](#)
Ignition coil [EM-26](#), [EM-142](#), [EC-598](#), [EC-1270](#)
Ignition control system [EC-598](#), [EC-1270](#)
Ignition key hole illumination [LT-108](#)
Ignition timing [EC-76](#)
IGNSYS - Wiring diagram [EC-599](#), [EC-1271](#)
ILL - Wiring diagram [LT-140](#)
Illumination [LT-134](#)
Illumination control [LT-134](#)
In-cabin Microfilter [MTC-87](#)
INJECT - Wiring diagram [EC-588](#), [EC-1258](#)
Injector [EC-587](#), [EC-1257](#)
Input clutch solenoid valve [AT-140](#), [AT-142](#)
Instrument panel [IP-10](#)
INT/L - Wiring diagram [LT-116](#), [LT-124](#)
Intake air temperature sensor [EC-197](#), [EC-216](#), [EC-815](#), [EC-835](#)
Intake door motor [MTC-53](#), [MTC-54](#), [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-161](#)
Intake valve timing control (Bank 1) [EC-771](#)
Intake valve timing control (Bank 2) [EC-771](#)
Intake valve timing control solenoid valve [EC-176](#)
Intake valve timing control solenoid valve (Bank 1) [EC-792](#)
Intake valve timing control solenoid valve (Bank 2) [EC-792](#)
Integrated homelink transmitter - See Homelink universal transceiver [BL-139](#)
Interior [EI-35](#)
Interior lamp [LT-108](#)
Interior lamp on-off control [LT-108](#)
Internal gear (Transfer) [TF-114](#), [TF-120](#)
IPDM (Intelligent power distribution module engine room) [PG-18](#)
IVC - Wiring diagram [EC-177](#)
IVCB1 - Wiring diagram [EC-793](#)
IVCB2 - Wiring diagram [EC-795](#)

J

Jacking points [GI-42](#)
Junction box (J/B) [PG-92](#)

K

Key illumination [LT-108](#)
KEYLES - Wiring diagram [BL-50](#), [BL-51](#), [BL-56](#)
Knock sensor (KS) [EC-316](#), [EC-962](#)

A
B
C
D
E
F
G
H
I
J
K
L

IDX

ALPHABETICAL INDEX

KS - Wiring diagram	EC-317 , EC-963	system	BL-46
L		N	
Leaf spring (rear)	RSU-8	NATS - Wiring diagram	BL-122
Length (Dimensions)	GI-54	NONDTC - Wiring diagram	AT-176
License lamp	LT-83	NVH troubleshooting (AX)	FAX-4
Lifting points	GI-43	NVH troubleshooting (EM)	EM-12 , EM-121
Line pressure solenoid valve	AT-123	NVH troubleshooting (Final drive)	FFD-6 , RFD-8 , RFD-42 , RFD-76
Line pressure test (A/T)	AT-53	NVH troubleshooting (M/T)	MT-7 , MT-56
Liquid gasket application	EM-6 , EM-115 , LU-2 , LU-13 , CO-3 , CO-30	NVH troubleshooting (Propeller shaft)	PR-3
Location of electrical units	PG-80	NVH troubleshooting (ST)	PS-5
Low coast brake solenoid valve	AT-156 , AT-158	NVH troubleshooting (Transfer)	TF-11
Low tire pressure warning system	WT-8	NVH troubleshooting (WT)NVH troubleshooting (WT) ..	WT-4
Low tire pressure warning system - trouble diagnoses .	WT-11	NVIS (Nissan vehicle immobilizer system)	BL-119
Low tire pressure warning system - Wiring diagram	WT-11	O	
Lubricant (R134a) A/C	MTC-19	O2H2B1 - Wiring diagram	EC-785
Lubricants	MA-11	O2H2B2 - Wiring diagram	EC-787
Lubrication circuit (engine)	LU-4 , LU-16	O2S2B1 - Wiring diagram ...	EC-880 , EC-892 , EC-906
Lubrication oil A/C	MTC-19	O2S2B2 - Wiring diagram ...	EC-882 , EC-894 , EC-908
Lubrication-locks, hinges and hood latches	MA-41	Oil change (capacity)QR25DE	MA-11
M		Oil cooler (engine)	LU-10 , LU-22
M/T major overhaul	MT-17	Oil filter	LU-9 , LU-21
MAFS - Wiring diagram	EC-184 , EC-192 , EC-802 , EC-810	Oil pan (engine)	EM-137
Magnet clutch	MTC-65 , MTC-104	Oil pressure (engine)	LU-6 , LU-19
MAIN - Wiring diagram	EC-148 , EC-758 , AT-168	Oil pump (engine)	LU-24
Main drive gear (M/T)	MT-19 , MT-73	Oil pump regulator valve (engine)	LU-24
Mainshaft (M/T)	MT-19 , MT-73	Oil seal replacement (engine) .	EM-48 , EM-57 , EM-60 , EM-75 , EM-199
Mainshaft (Transfer)	TF-114 , TF-120	Oil seal replacement (front of final drive)	FFD-9 , RFD-11
Maintenance (engine)QR25DE	MA-14	Oil seal replacement (side of final drive)	FFD-11
Maintenance (engine)Schedule 1	MA-7	On board diagnostic system	EC-53 , EC-657
Maintenance (engine)Schedule 2	MA-9	Operating cylinder (clutch)	CL-11
Major overhaul (Final drive)	FFD-15 , RFD-15 , RFD-49 , RFD-115	ORVR (On-board Refueling Vapor Recovery) .	EC-44 , EC-649
Major overhaul (Transfer)	TF-112	Overheat	EC-450 , EC-1102
Malfunction indicator lamp (MIL)	EC-67 , EC-672	Oversize piston	EM-97 , EM-237
Map lamp	LT-108	P	
Mass air flow sensor (MAFS)	EC-181 , EC-190 , EC-799 , EC-808	P/SCKT - Wiring diagram	WW-28
Master cylinder (clutch)	CL-9	Pantograph jack	GI-42
Meter	DI-5	Park/Neutral position switch	EC-443 , EC-1093
METER - Wiring diagram	DI-9	Park/neutral position switch (A/T)	AT-106
MIL data link connectors circuit	EC-615 , EC-1297	Park/neutral position switch (M/T) .	MT-11 , MT-17 , MT-62 , MT-71
MIL/DL - Wiring diagram	EC-615 , EC-1297	Parking brake control	PB-4
MIRROR - Wiring diagram	GW-85	Parking lamp	LT-83
Mirror, door	GW-85	PCV (positive crankcase ventilation) ..	EC-50 , EC-654
Misfire	EC-309 , EC-954	PGC/V - Wiring diagram ..	EC-356 , EC-364 , EC-1005 , EC-1013
Mode door motor	MTC-45 , MTC-46 , MTC-93	PHASE - Wiring diagram	EC-330
Model variation	GI-48	PHSB1 - Wiring diagram	EC-976
Multifunction switch	LT-72	PHSB2 - Wiring diagram	EC-978
Multipoint fuel injection (MFI) system	EC-29 , EC-634		
Multipoint fuel injection precautions	GI-5		
Multi-remote control system - See Remote keyless entry			

ALPHABETICAL INDEX

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-1095](#), [AT-107](#)
POS - Wiring diagram [EC-323](#), [EC-969](#)
POWER - Wiring diagram [PG-6](#)
Power door lock [BL-16](#)
Power seat [SE-10](#)
Power steering fluid level [MA-40](#)
Power steering gear [PS-15](#)
Power steering oil pump [PS-20](#)
Power steering pressure (PSP) sensor ... [EC-426](#), [EC-1076](#)
Power steering system bleeding [PS-6](#)
Power supply routing [PG-4](#)
Power window [GW-17](#)
PRE/SE - Wiring diagram . [EC-387](#), [EC-393](#), [EC-1036](#), [EC-1042](#)
Precautions (General) [GI-3](#)
Precautions in repairing high strength steel [BL-190](#)
Pressure plate - See Clutch cover [CL-18](#)
Pressure switch 1 [AT-146](#), [AT-160](#)
Pressure switch 2 [AT-158](#)
Pressure switch 3 [AT-142](#), [AT-162](#)
Pressure switch 5 [AT-150](#), [AT-164](#)
Pressure switch 6 [AT-154](#), [AT-166](#)
Pressure test (A/T) [AT-53](#)
Propeller shaft [PR-4](#), [PR-9](#)
Propeller shaft inspection [MA-34](#)
Propeller shaft on vehicle service [PR-9](#)
Propeller shaft vibration [PR-4](#), [PR-9](#)
PS/SEN - Wiring diagram [EC-427](#), [EC-1077](#)

R

Radiator [CO-15](#), [CO-42](#)
Radio - See Audio [AV-5](#)
Rear bumper [EI-17](#)
Rear case (Transfer) [TF-114](#), [TF-120](#)
Rear combination lamp removal and installation [LT-98](#)
Rear cover packing replacement diff. [RFD-13](#)
Rear door [BL-107](#), [GW-60](#)
Rear seat [SE-28](#)
Rear seat belt [SB-7](#), [SB-9](#)
Rear window [GW-15](#)
Rear window defogger [GW-68](#)
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-610](#), [EC-1283](#), [MTC-108](#)
Relay box [PG-94](#)
Release bearing (clutch) [CL-14](#)
Remote keyless entry system [BL-46](#)

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-112](#)
Road wheel size [GI-54](#)
Rocker cover [EM-34](#), [EM-151](#)
Room lamp [LT-108](#)
Room lamp - See Interior lamp [LT-108](#)
ROOM/L - Wiring diagram [LT-116](#), [LT-124](#)
RP/SEN - Wiring diagram [EC-611](#), [EC-1284](#)

S

SAE J1979 - Service \$01 - 09 [EC-53](#), [EC-657](#)
SEAT - Wiring diagram [SE-10](#), [SE-11](#)
Seat belt inspection [SB-11](#), [MA-42](#)
Seat belt pre-tensioner [SRS-50](#)
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-1089](#)
SHIFT - Wiring diagram [AT-219](#)
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-218](#)
Shock absorber (front) [FSU-10](#)
Shock absorber (rear) [RSU-7](#)
Side air bag (satellite) sensor [SRS-49](#)
Side curtain air bag [SRS-46](#)
Side trim [EI-35](#)
SMJ (super multiple junction) [PG-90](#)
Spare tire size [GI-54](#)
Spark plug replacement [EM-143](#), [MA-27](#)
Specification value [EC-137](#), [EC-747](#)
Speedometer [DI-5](#)
Spiral cable [SRS-40](#)
SROOF - Wiring diagram [RF-13](#)
SRS - See Supplemental Restraint System [SRS-5](#)
SRS - Wiring diagram [SRS-13](#)
SRS Trouble diagnoses [SRS-9](#)
Stabilizer bar (front) [FSU-12](#)
Stall test (A/T) [AT-52](#)
Standardized relay [PG-88](#)
START - Wiring diagram [SC-12](#)
Starting system [SC-10](#)
Steering gear, linkage and transfer gear inspection [MA-39](#)
Steering linkage [PS-15](#)
Steering wheel and column [PS-8](#)
Stop lamp [LT-77](#)
Stop lamp switch [EC-494](#), [EC-510](#), [EC-570](#), [EC-1175](#)
STOP/L - Wiring diagram [LT-78](#)
Striking rod (M/T) [MT-23](#), [MT-75](#)

A
B
C
D
E
F
G
H
I
J
K
L

IDX

ALPHABETICAL INDEX

Strut (front) [FSU-10](#)
STSIG - Wiring diagram [AT-102](#)
Sun gear (Transfer) [TF-114](#), [TF-120](#)
Sun roof, electric [RF-10](#)
Sunroof [RF-23](#)
Supplemental Restraint System [SRS-5](#)
Symbols and abbreviations [GI-10](#), [GI-22](#)
Symptom matrix chart [EC-98](#), [EC-702](#)
Synchronizer (M/T) [MT-19](#), [MT-73](#)
System readiness test (SRT) code [EC-58](#), [EC-663](#)

T

T/TOW - Wiring diagram [LT-103](#)
Tachometer [DI-5](#)
Tail lamp [LT-83](#)
TAIL/L - Wiring diagram [LT-85](#)
TCM circuit diagram [AT-51](#)
TCM inspection table [AT-86](#)
TCS - Wiring diagram [BRC-98](#)
TCS (traction control system) [BRC-88](#)
TCS component parts and connector location [BRC-96](#)
Theft warning system - See Vehicle security (Theft warn-
ing) system [BL-77](#)
Thermometer [DI-26](#)
Thermostat [CO-52](#)
Three way catalyst [EM-21](#), [EM-132](#)
Three way catalyst function [EC-335](#)
Three way catalyst function (Bank 1) [EC-983](#)
Three way catalyst function (Bank 2) [EC-983](#)
Three way catalyst precautions [GI-5](#)
Throttle body [EM-20](#)
Throttle control motor [EC-527](#), [EC-1192](#)
Throttle control motor relay [EC-515](#), [EC-1180](#)
Throttle position sensor (TPS) .. [EC-206](#), [EC-302](#), [EC-453](#), [EC-455](#), [EC-547](#), [EC-825](#), [EC-947](#), [EC-1113](#), [EC-1115](#), [EC-1212](#)
Throttle valve closed position learning [EC-83](#)
Throwout bearing - See Clutch release bearing [CL-14](#)
Tie-rod [PS-15](#)
Timing chain [EM-48](#), [EM-165](#)
Tire rotation [MA-38](#)
Tire size [GI-54](#)
Torque converter installation [AT-246](#), [AT-249](#), [AT-252](#)
Torque convertor clutch solenoid valve ... [AT-119](#), [AT-121](#)
Tow truck towing [GI-44](#)
Towing point [GI-45](#)
TPS1 - Wiring diagram [EC-304](#), [EC-949](#)
TPS2 - Wiring diagram [EC-208](#), [EC-827](#)
TPS3 - Wiring diagram [EC-549](#), [EC-1214](#)
Traction control system - See TCS [BRC-88](#)
Traction control system - Wiring diagram [BRC-98](#)
Transfer control device [TF-76](#), [TF-107](#)
Transfer control unit inspection table [TF-37](#)
Transfer serial number [GI-52](#)
Transmission case (M/T) [MT-17](#), [MT-71](#)
Transmission serial number [GI-52](#), [GI-53](#)
Tread-FR&RR (Dimensions) [GI-54](#)

Trim [EI-35](#)
TRNSCV - Wiring diagram [BL-139](#)
Trouble diagnoses [GI-11](#)
Turbine revolution sensor [AT-110](#)
TURN - Wiring diagram [LT-62](#)
Turn signal lamp [LT-59](#)
Two trip detection logic [EC-53](#), [EC-657](#)
Two-pole lift [GI-43](#)

V

Vacuum hose (brake system) [BR-19](#)
Vacuum hose drawing (Engine control) .. [EC-108](#), [EC-713](#)
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-108](#)
Variable induction air control system (VIAS) [EC-1170](#), [EC-1288](#)
VDC (vehicle dynamics control) [BRC-88](#)
VDC -Wiring diagram [BRC-98](#)
Vehicle identification number [GI-51](#)
Vehicle recovery (freeing a stuck vehicle) [GI-45](#)
Vehicle security (theft warning) system [BL-77](#)
Vehicle speed sensor (VSS) [EC-420](#), [EC-507](#), [EC-509](#), [EC-1070](#), [EC-1169](#)
VEHSEC - Wiring diagram [BL-81](#), [BL-82](#), [BL-89](#)
VENT/V - Wiring diagram . [EC-371](#), [EC-378](#), [EC-1020](#), [EC-1027](#)
VIAS - Wiring diagram [EC-1290](#)
VIAS/V - Wiring diagram [EC-1171](#)
VIN registration [EC-82](#), [EC-687](#)
Viscosity number (SAE) [MA-13](#)
VSS A/T - Wiring diagram [AT-114](#)

W

Wait detection switch [TF-67](#)
WARN - Wiring diagram [DI-32](#)
Warning chime [DI-44](#)
Warning lamps [DI-31](#)
Washer, front [VW-3](#)
Water pump [CO-19](#), [CO-47](#)
Water temperature gauge [DI-5](#)
Wheel alignment (front) [FSU-6](#)
Wheel balance [MA-36](#)
Wheel bearing (front) [FAX-5](#)
Wheel bearing (rear) [RAX-6](#), [RAX-18](#)
Wheel sensors (ABS) [BRC-13](#)
Wheel size [GI-54](#)
Wheelbase (Dimensions) [GI-54](#)
Width (Dimensions) [GI-54](#)
WINDOW - Wiring diagram [GW-23](#), [GW-29](#)
Window, door [GW-56](#), [GW-60](#)
Window, rear [GW-15](#)
Windshield [GW-11](#)

ALPHABETICAL INDEX

WIPER - Wiring diagram	WW-8	
Wiper, front	WW-3	A
Wiring Diagram (Cell code) list	PG-77	
Wiring diagram (Transfer)	TF-24 , TF-31	
Wiring diagrams	GI-15	B
Withdrawal lever (clutch)	CL-14	
Wrist pin - See Piston pin inspection	EM-92	
WT-T/WARN - Wiring diagram	WT-11	C

D

E

F

G

H

I

J

K

L

IDX