

ALPHABETICAL INDEX

SECTION **IDX**

GI

MA

EM

LC

EC

FE

CL

MT

AT

PD

AX

SU

BR

ST

RS

BT

HA

SC

EL

IDX

ALPHABETICAL INDEX

A

AAC/V - Wiring diagram.....	EC-168
ABS - Wiring diagram	BR-40
ABS sensor rotor	AX-11
A/C air flow	HA-17
A/C component layout.....	HA-15
A/C compressor clutch removal and installation.....	HA-81
A/C compressor description	HA-14
A/C compressor precaution.....	HA-7
A/C compressor special service tool.....	HA-10
A/C control linkage adjustment (manual A/C)	HA-35, 58, 61
A/C control operation (manual A/C)	HA-16
A/C diagnostic work flow (manual A/C).....	HA-27
A/C HFC134a (R134a) system precaution	HA-2
A/C HFC134a (R134a) system service procedure.....	HA-77
A/C HFC134a (R134a) system service tools.....	HA-11
A/C HFC134a system service equip- ment precaution.....	HA-7
A/C lubricant (R134a).....	HA-79
A/C operational check	HA-28
A/C performance chart	HA-46
A/C performance test diagnoses.....	HA-44
A/C push control.....	HA-95
A/C relay.....	HA-75
A/C service data specification.....	HA-98
A/C trouble diagnoses (manual A/C)	HA-19
A/C, M - Wiring diagram	HA-23
Accelerator control system	FE-3
Accelerator wire adjustment	FE-3
Air bag	RS-7
Air bag disposal.....	RS-16
Air bag precautions	GI-3
Air bleeding (hydraulic clutch)	CL-6
Air bleeding for brake system	BR-8
Air cleaner filter	EM-17
Air conditioner cut control	EC-21
Air flow meter - See Mass air flow sensor	EC-98
Air mix door control linkage adjustment.....	HA-58
Air mix. door motor.....	HA-52
Alternator	SC-22
Angular tightening application.....	EM-3
Antenna - See Power antenna	EL-104
Anti-lock brake system - Wiring diagram.....	BR-40
A/T - Wiring diagram - AT - MAIN.....	AT-86
A/T - Wiring diagram - AT - VSS A/T	AT-91
A/T control	EC-148
A/T fluid temperature sensor.....	AT-131
A/T mode switch.....	AT-197
A/T self-diagnoses.....	AT-37
A/T shift lock system	AT-198
A/T shift lock system - Wiring diagram	AT-199

A/T trouble diagnoses	AT-42
A/T Wiring diagram - AT - ENG SS	AT-133
A/T Wiring diagram AT - BA/FTS	AT-127
A/T Wiring diagram AT - LPSV	AT-138
A/T Wiring diagram AT - NONDTC	AT-146
A/T Wiring diagram AT - OVRC SV	AT-117
A/T Wiring diagram AT - SSV/A	AT-108
A/T Wiring diagram AT - SSV/B	AT-113
A/T Wiring diagram AT - TCV	AT-122
A/T Wiring diagram AT - TPS	AT-100
A/T Wiring diagram AT - VSSMTR	AT-96
AT/C - Wiring diagram.....	EC-150
Audio	EL-103
AUDIO - Wiring diagram	EL-103
Audio and A/C control removal and installation - See Instrument panel	BT-22
Automatic transmission number	GI-39
Axle housing (rear)	AX-11

B

Back-up lamp	EL-38
Back-up lamp switch (M/T)	MT-8
BACK/L - Wiring diagram.....	EL-38
Ball joint (front)	SU-12
Ball Joint (rear)	SU-22
Basic inspection	EC-50
Battery	SC-3
Baulk ring (M/T)	MT-31, 36
Blower and cooling unit	HA-89
Blower motor	HA-37
Blower resistor	HA-37
Blower unit.....	HA-88
Board-on lift	GI-41
Body alignment	BT-53
Boring/horning cylinder block.....	EM-72
Brake booster	BR-17
Brake control valve (Proportioning valve).....	BR-11
Brake fluid change	BR-6
Brake fluid level and line check	BR-6
Brake hydraulic line	BR-9
Brake master cylinder	BR-14
Brake pedal	BR-12
Bulb specifications	EL-175
Bumper, front	BT-6
Bumper, rear	BT-10

C

Camshaft inspection	EM-43
Camshaft position sensor (CMPS).....	EC-90
Canister-See EVAP canister	EC-22
CHARGE - Wiring diagram	SC-20
Charging system	SC-19
CHIME - Wiring diagram.....	EL-81
CIGAR - Wiring diagram	EL-94
Cigarette lighter.....	EL-94

ALPHABETICAL INDEX

Circuit breaker.....	EL-14
Clutch cover.....	CL-15
Clutch disc	CL-15
Clutch master cylinder	CL-7
Clutch operating cylinder	CL-10
Clutch pedal.....	CL-5, 6
Clutch release bearing.....	CL-13
Clutch withdrawal lever.....	CL-13
CMPS - Wiring diagram	EC-93
Coil spring (front).....	SU-9
Coil spring (rear)	SU-20
Collision diagnosis.....	RS-46
Combination lamp, rear, removal and installation	BT-34
Combination meter.....	EL-58
Combination meter removal and instal- lation - See Instrument panel.....	BT-22
Combination switch.....	EL-26
Component Location (manual A/C)	HA-19
Compressor clutch removal and installation	HA-81
Compressor description	HA-14
Compressor precaution	HA-7
Compressor special service tool	HA-10
Connecting rod.....	EM-71
Connecting rod bearing clearance	EM-75
Connecting rod bushing clearance	EM-76
Console box - See Instrument panel.....	BT-22
CONSULT for ABS	BR-43
CONSULT for engine	EC-39
Control valve (A/T)	AT-230
Converter housing installation.....	AT-209
COOL/F - Wiring diagram	EC-123
Coolant mixture ratio.....	MA-9
Cooling circuit (engine)	LC-10
Cooling fan control	EC-120
Cooling fan motor.....	EC-136
Cooling fan relay	EC-135
Counter gear (M/T).....	MT-36
Coupling sleeve (M/T)	MT-31, 36
“Crankcase emission control system - See positive crankcase ventilation”.....	EC-25
Crankshaft.....	EM-73
Cylinder block	EM-68
Cylinder block boring	EM-72
Cylinder head.....	EM-38

D

Data link connector for Consult.....	EC-39
DEF - Wiring diagram	EL-97
Detonation sensor - See Knock sensor	EC-137
Diagnosis sensor unit.....	RS-10
Diagnostic trouble code (DTC) for OBD system	EC-4
Differential carrier assembly.....	PD-27
Differential carrier disassembly	PD-17
Dimensions	GI-40
D/LOCK - Wiring diagram	EL-121
Dome light - See Interior lamp	EL-47

Door glass.....	BT-14, 16
Door lock.....	BT-20
Door mirror.....	BT-52
Door trim	BT-29
Door, front	BT-13
Door, rear	BT-13
Drive belt.....	EM-16
Drive pinion diff. inspection	PD-19
Drive pinion height	PD-21
Drive plate runout	EM-77
Drive shaft (rear)	AX-15
Dropping resistor (A/T).....	AT-141
Dual pressure switch	HA-74

E

ECM input/output signal	EC-76
ECTS - Wiring diagram	EC-107
Electric sun roof	EL-106
Electrical diagnoses.....	GI-20
Electrical ignition system.....	EC-20
Electrical load signal circuit	EC-218
Electrical unit	Foldout
Electrical units location	EL-154
Engine compartment.....	BT-54
Engine control circuit diagram.....	EC-14
Engine control component parts location.....	EC-11
Engine control system diagram and chart	EC-15
Engine coolant temperature sensor (ECTS)	EC-105
Engine fail-safe system	EC-67
Engine oil precautions	GI-7
Engine outer component parts	EM-12
Engine removal	EM-65
Engine room - See Engine compartment.....	BT-54
Engine serial number	GI-39
EVAP canister.....	EC-23
EVAP canister purge volume control solenoid valve	EC-22
Evaporative emission (EVAP) system	EC-22
Exhaust system.....	FE-11
Exhaust system inspection	FE-11
Exterior	BT-34

F

Fan switch	HA-37
FICD - Wiring diagram	EC-210
Final drive disassembly	PD-16
Final drive pre-inspection	PD-16
Final drive removal and installation	PD-16
Finisher, interior - See Trim	BT-26
Finisher, trunk lid.....	BT-33
Floor trim.....	BT-26
Fluid temperature sensor (A/T)	AT-131

ALPHABETICAL INDEX

Fluids.....	MA-8
Flywheel (clutch).....	CL-16
Flywheel runout.....	EM-77
Fork rod (M/T)	MT-40
Forward clutch.....	AT-249
F/PUMP - Wiring diagram	EC-205
FRO2 - Wiring diagram	EC-153
FRO2/H - Wiring diagram	EC-159
Front axle.....	AX-2
Front bumper	BT-6
Front combination lamp removal and installation	BT-6
Front disc brake	BR-20
Front door	BT-13
Front heated oxygen sensor (HO2S)	EC-152
Front heated oxygen sensor (HO2S) heater.....	EC-158
Front seat.....	BT-38
Front seat belt	RS-4
Front suspension.....	SU-2
Front washer	EL-87
Front wiper	EL-87
Fuel cut control (at no load & high engine speed).....	EC-22
Fuel filter replacement	FE-4
Fuel gauge	EL-58
Fuel injector	EC-194
Fuel line inspection	FE-4
Fuel precautions	GI-8
Fuel pressure check	EC-27
Fuel pressure regulator	EC-28
Fuel pressure release	EC-27
Fuel pump	EC-203
Fuel pump and gauge	FE-8
Fuel pump relay	EC-203
Fuel system	FE-4
Fuel tank vacuum relief valve	EC-23
Fuse	EL-14
Fuse block	Foldout
Fusible link	EL-14

G

Garage jack and safety stand	GI-42
Gauges.....	EL-58
Gear components (M/T)	MT-31, 36
Generator - See Alternator.....	SC-22
Glass	BT-14
Grease	MA-8
Ground distribution.....	EL-15

H

Harness connector	EL-4
Harness layout	EL-158
Hazard warning lamp	EL-39
Headlamp	EL-28
Headlamp removal and installation	BT-6

Headlining - See Roof trim	BT-31
Heated oxygen sensor (HO2S) (front)	EC-152
Heated oxygen sensor (HO2S) heater (front)	EC-158
Heater unit (heater core)	HA-86
Height (Dimensions)	GI-40
HFC134a (R134a) system precaution	HA-2
HFC134a (R134a) system service procedure	HA-77
HFC134a (R134a) system service tools	HA-11
HFC134a system service equipment precaution	HA-7
High clutch.....	AT-246
H/LAMP - Wiring diagram	EL-29
Hood.....	BT-6
Horn	EL-93
HORN - Wiring diagram.....	EL-93
How to erase DTC for OBD system.....	EC-33
Hydraulic lash adjuster inspection	EM-48

I

IACV-FICD solenoid valve.....	EC-209
Identification plate.....	GI-39
IGN/SG - Wiring diagram	EC-112
Ignition control system.....	EC-110
ILL - Wiring diagram	EL-44
Illumination	EL-43
INJECT - Wiring diagram	EC-195
Injector removal and installation	EC-28
Instrument panel	BT-22
Intake door control linkage adjustment	HA-35
Intake door motor	HA-32
Intake manifold.....	EM-36
Intake valve timing control solenoid valve	EC-173
Interior	BT-26
Interior lamp	EL-47
Interior lamp on-off control.....	EL-48
IVC - Wiring diagram.....	EC-175

J

Jacking points	GI-42
Junction box (J/B).....	Foldout

K

Knock sensor (KS)	EC-137, 138
Knuckle spindle	AX-5

L

Length (Dimensions)	GI-40
License lamp	EL-35

ALPHABETICAL INDEX

Lifting points	GI-43
Line pressure solenoid valve	AT-136
Line pressure test (A/T)	AT-51
Liquid gasket application	EM-3
LOAD - Wiring diagram	EC-219
Location of electrical units	EL-154
Lock, door	BT-20
Low and reverse brake	AT-253
Lubricant (R134a) A/C	HA-79
Lubricants	MA-8
Lubrication circuit (engine)	LC-3

M

MAFS - Wiring diagram	EC-101
Magnet clutch	HA-81
MAIN - Wiring diagram	EC-83
Main drive gear (M/T)	MT-9, 29
MAJOR OVERHALL	AT-211
Malfunction indicator lamp (MIL)	EC-35
Manual air conditioner - Wiring diagram	HA-23
Mass air flow sensor (MAFS)	EC-98
Master cylinder (brake)	BR-14
Master cylinder (clutch)	CL-7
Meter	EL-58
METER - Wiring diagram	EL-63
MIL & Data link connectors circuit	EC-224
MIL/DL - Wiring diagram	EC-224
MIRROR - Wiring diagram	EL-110
Mirror defogger	EL-96
Mirror, door	BT-52
Mode door control linkage adjustment	HA-61
Mode door motor	HA-59, 62
Model variation	GI-37
Molding - See Exterior	BT-34
M/T major overhaul	MT-15
M/T oil replacement	MT-7
M/T removal and installation	MT-12
Multiport fuel injection (MFI) system	EC-18
Multiport fuel injection precautions	GI-6

N

NATS (Nissan anti-theft system)	EL-134
NATS (Nissan anti-theft system) precautions	GI-3
NATS - Wiring diagram	EL-136
NVH troubleshooting (AX)	AX-3
NVH troubleshooting (BR)	BR-5
NVH troubleshooting (CL)	CL-4
NVH troubleshooting (M/T)	MT-6
NVH troubleshooting (PD)	PD-3
NVH troubleshooting (ST)	ST-5
NVH troubleshooting (SU)	SU-14
NVIS (Nissan vehicle immobilizer sys- tem) precautions	GI-3

O

Oil pan (engine)	EM-20
Oil pressure (engine)	LC-3
Oil pump (A/T)	AT-226
Oil pump (engine)	LC-4
Oil pump regulator valve (engine)	LC-5
Oil seal replacement (engine)	EM-34
Oil seal replacement (front of final drive)	PD-12
Oil seal replacement (side of final drive)	PD-13
On board diagnostic system	EC-33
Operating cylinder (clutch)	CL-10
Overdrive control switch	AT-196
Overrun clutch	AT-249
Overrun clutch solenoid valve	AT-116
Oversize piston	EM-72

P

Park/neutral position switch (A/T)	AT-196
Park/neutral position switch (M/T)	MT-8
Parking brake control	BR-33
Parking lamp	EL-35
PCV (positive crankcase ventilation)	EC-25
Pilot bushing replacement	EM-76
Pinion gear height diff.	PD-21
Piston assembly	EM-78
Piston pin inspection	EM-70
Piston ring inspection	EM-70
Piston to bore clearance	EM-72
PNP/SW - Wiring diagram	EC-187
POWER - Wiring diagram	EL-8
Power antenna	EL-104
Power door lock	EL-120
Power door mirror	EL-110
Power steering fluid level	ST-7
Power steering gear	ST-15
Power steering hydraulic pressure	ST-9
Power steering oil pressure switch	EC-213
Power steering oil pump	ST-25
Power steering system bleeding	ST-8
Power supply routing	EL-7
Power transistor & ignition coil	EC-110
Power window	EL-111
Precations for Leak detection dye	HA-3
Precautions (General)	GI-4
Pressure plate - See Clutch cover	CL-15
Pressure test (A/T)	AT-51
Propeller shaft	PD-2
Propeller shaft on vehicle service	PD-4
Propeller shaft vibration	PD-5
PST/SW - Wiring diagram	EC-214

ALPHABETICAL INDEX

R

Rack retainer adjustment.....	ST-7
Radiator	LC-14
Radiator fan - See Cooling fan.....	LC-15
Radio - See Audio.....	EL-103
Rear axle	AX-9
Rear axle (disc brake type)	AX-11
Rear bumper	BT-10
Rear combination lamp removal and installation	BT-34
Rear door	BT-13
Rear drum brake	BR-27
Rear seat	BT-39
Rear seat belt.....	RS-5
Rear suspension	SU-14
Rear window	BT-48
Rear window defogger	EL-96
Refrigerant connection precaution	HA-4
Refrigerant general precaution.....	HA-3
Refrigerant lines	HA-90
Refrigeration cycle.....	HA-14
Release bearing (clutch).....	CL-13
Removal and installation (A/T).....	AT-208
Reverse clutch.....	AT-243
Reverse idler shaft (M/T)	MT-25
Reverse main gear (M/T)	MT-31
Revolution sensor (A/T)	AT-93
Ring gear diff. inspection.....	PD-19
Road wheel size	GI-40
Roof trim	BT-31
Room lamp - See Interior lamp	EL-47
ROOM/L - Wiring diagram	EL-49

S

SAE J1930 terminology list	GI-46
Seal - See Exterior	BT-34
Seat belt pre-tensioner.....	RS-2
Seat belt pre-tensioner disposal	RS-16
Seat belt, front.....	RS-4
Seat belt, rear.....	RS-5
Seat, front	BT-38
Seat, rear	BT-39
SHIFT - Wiring diagram	AT-199
Shift control components (M/T)	MT-11
Shift fork (M/T)	MT-40
Shift lever.....	MT-11
Shift lock system	AT-198
Shift schedule.....	AT-288
Shift solenoid valve A (A/T).....	AT-106
Shift solenoid valve B (A/T)	AT-111
Shock absorber (front)	SU-10
Shock absorber (rear)	SU-20
Side bearing preload diff.	PD-23
Side trim	BT-26
SMJ (super multiple junction)	Foldout
Sodium-filled exhaust valve disposal.....	EM-3

Spare tire size	GI-40
Spark plug.....	EM-18
Speedometer.....	EL-58
Spiral cable.....	RS-12
Spot lamp.....	EL-57
SROOF - Wiring diagram	EL-107
SRS - See Supplemental Restraint System	RS-7
SRS - Wiring diagram	RS-26
S/SIG - Wiring diagram	EC-200
Stabilizer bar (rear)	SU-22
Stall test (A/T)	AT-48
Standardized relay	EL-5
START - Wiring diagram	SC-13
Start signal	EC-199
Starter.....	SC-15
Starting system.....	SC-12
Steering linkage	ST-15
Steering wheel and column.....	ST-11
Steering wheel play	ST-6
Steering wheel turning force	ST-8
Stop lamp.....	EL-37
STOP/L - Wiring diagram.....	EL-37
Striking rod (M/T)	MT-16
Strut (front)	SU-9
Strut (rear)	SU-18
Sun roof, electric	EL-106
Sunroof.....	BT-40
Supplemental Restraint System	RS-7
Supplemental restraint system - Wiring diagram	RS-26
Symbols and abbreviations	GI-10
Symptom matrix chart	EC-68
Synchronizer (M/T).....	MT-31, 36

T

Tachometer	EL-58
Tail lamp.....	EL-35
TAIL/L - Wiring diagram	EL-35
TCM circuit diagram	AT-12
TCM inspection table	AT-82
Thermal protector	HA-74, 85
Thermo control amp	HA-74
Thermostat.....	LC-13
Three way catalyst precautions.....	GI-6
Throttle position sensor (TPS)	EC-141
Throttle position sensor adjustment	EC-50
Throttle position switch	AT-105, 197
Throwout bearing - See Clutch release bearing	CL-13
Tie-rod	ST-15
Tie-rod ball joints.....	ST-19
Tightening torque of standard bolts.....	GI-45
Timing chain	EM-25
Tire size	GI-40
Tooth contact diff.	PD-26
Torque converter installation	AT-209
Torque convertor clutch solenoid valve.....	AT-120
Tow truck towing	GI-43

ALPHABETICAL INDEX

TPS - Wiring diagram.....	EC-144
Transaxle serial number.....	GI-39
Transmission case (M/T).....	MT-15
Tread-FR&RR (Dimensions).....	GI-40
Trim	BT-26
Trouble diagnoses	GI-30
Trunk lid	BT-10
Trunk lid finisher.....	BT-33
Trunk lid opener - See Trunk lid	BT-10
Trunk room lamp.....	EL-57
Trunk room trim.....	BT-33
Turbocharger.....	EM-58
TURN - Wiring diagram	EL-39
Turn signal lamp	EL-39
Two-pole lift	GI-43

U

Under body	BT-56
UNIFIED METER CONTROL UNIT (TIME CONTROL SYSTEM).....	EL-131

V

Vacuum hose (brake system).....	BR-19
Vacuum hose drawing (Engine control)	EC-16
Valve guide.....	EM-45
Valve seat.....	EM-46
Valve spring.....	EM-48
Ventilation air filter	HA-96
Viscosity number (SAE).....	MA-9
VSS - Wiring diagram	EC-163

W

WARN - Wiring diagram	EL-74
Warning buzzer	EL-79
Warning chime	EL-79
Warning lamps	EL-73
Washer, front	EL-87
Wastegate valve control solenoid valve.....	EC-185
Water pump	LC-12
Water temperature gauge	EL-58
Weatherstrip - See Exterior	BT-34
Wheel alignment (front)	SU-6
Wheel alignment (rear).....	SU-16
Wheel bearing (front).....	AX-4
Wheel bearing (rear)	AX-10
Wheel hub (front).....	AX-5
Wheel hub (rear).....	AX-11
Wheel sensors (ABS).....	BR-54
Wheelbase (Dimensions)	GI-40
Wide open & closed throttle position switch	EC-141
Width (Dimensions)	GI-40
WINDOW - Wiring diagram.....	EL-114
Window, rear	BT-48
Windshield.....	BT-48
WIPER - Wiring diagram	EL-89
Wiper, front.....	EL-87
Wiring Diagram (Cell code) list	EL-176
Wiring diagrams	GI-11
Withdrawal lever (clutch)	CL-13
Wrist pin - See Piston pin inspection.....	EM-70

GI

MA

EM

LC

EC

FE

CL

MT

AT

PD

AX

SU

BR

ST

RS

BT

HA

SC

EL

IDX

NOTES