

A

A/T key interlock and shift lock mechanisms		DTC P1777 (P0773): reduction solenoid valve system <5A/T>	23A-240
Inspection	23A-414	DTC P1778 (P0743): torque converter clutch solenoid valve system	23A-252
Removal and installation	23A-412	DTC P1779 (P0731): 1st gear incorrect ratio DTC P1780 (P0732): 2nd gear incorrect ratio DTC P1781 (P0733): 3rd gear incorrect ratio DTC P1782 (P0734): 4th gear incorrect ratio DTC P1783 (P0735): 5th gear incorrect ratio	23A-264
Accessory socket		DTC P1786 (P0741): torque converter clutch system (stuck off)	23A-280
Removal and installation	54A-151	DTC P1787 (P0742): torque converter clutch system (stuck on)	23A-285
Air bag module and seat belt pre-tensioner disposal procedures	52B-459	DTC P1788 (P1751): A/T control relay system	23A-289
Air bag module(s) and clock spring		Diagnostic troubleshooting flow	23A-15
Inspection	52B-441	Fail-safe/backup function	23A-20
Removal and installation	52B-435	How to initialize A/T learned value	23A-20
Air cleaner		Hydraulic circuit	23A-46
Removal and installation	15-4	Hydraulic pressure tests	23A-37
Ambient temperature sensor		Inspection procedure using an oscilloscope	23A-378
Inspection		Introduction to A/T diagnosis	23A-15
Chassis electrical	54A-413	INVECS-II cancel command (special function)	23A-373
Heater, air conditioning and ventilation	55A-159	Line pressure adjustment	23A-64
Removal and installation	55A-158	PCM terminal resistance and continuity inspection chart	23A-377
ASC off switch		PCM terminal voltage reference chart for transaxle operation	23A-374
Inspection	35C-220	Road test	23A-22
Removal and installation	35C-219	Symptom chart	23A-66
Audio system <vehicles with audio amplifier>	90-186	Symptom procedures	
Audio system <vehicles without audio amplifier>	90-182	Inspection procedure 1: engine does not crank	23A-304
Auto-cruise control system	90-218	Inspection procedure 10: early or late shifting in all gears	23A-326
Automatic A/C diagnosis		Inspection procedure 11: early or late shifting in some gears	23A-330
Automatic air conditioning troubleshooting strategy	55B-4	Inspection procedure 12: No diagnostic trouble codes (does not shift)	23A-332
Check at A/C-ECU terminal	55B-16	Inspection procedure 13: poor acceleration	23A-337
Data list reference table	55B-16	Inspection procedure 14: vibration	23A-339
Diagnostic function	55B-4	Inspection procedure 15: shift switch assembly system	23A-342
Diagnostic trouble code chart	55B-8	Inspection procedure 16: shift position indicator light system	23A-365
Diagnostic trouble code procedures		Inspection procedure 2: does not move forward	23A-307
DTC B1001, B1002: interior temperature sensor system	55B-9	Inspection procedure 3: does not move backward	23A-310
Introduction	55B-4	Inspection procedure 4: does not move (forward or backward)	23A-312
Symptom chart	55B-15	Inspection procedure 5: engine stalls when moving selector lever from "N" to "D" or "N" to "R"	23A-314
Automatic air conditioning system	90-160	Inspection procedure 6: shift shock when shifting from "N" to "D" and long delay	23A-315
Automatic anti-dazzling mirror	90-180	Inspection procedure 7: shift shock when shifting from "N" to "R" and long delay	23A-319
Automatic transaxle diagnosis		Inspection procedure 8: shift shock when shifting from "N" to "d," "N" to "R" and long delay	23A-322
A/T diagnostic troubleshooting strategy	23A-16	Inspection procedure 9: shift shock and slipping	23A-323
Actuator test reference table	23A-372	Torque converter stall test	23A-36
Data list reference table	23A-368		
Diagnostic function	23A-16		
Diagnostic trouble code chart	23A-65		
Diagnostic trouble code procedures			
DTC P1606: EEPROM malfunction	23A-67		
DTC P1763 (P0713): transmission fluid temperature sensor system (open circuit)	23A-68		
DTC P1764 (P0712): transmission fluid temperature sensor system (short circuit)	23A-82		
DTC P1766 (P0715): input shaft speed sensor system	23A-92		
DTC P1767 (P0720): output shaft speed sensor system	23A-113		
DTC P1769: stoplight switch system	23A-134		
DTC P1770 (P0705): transmission range switch system (open circuit)	23A-143		
DTC P1771 (P0705): transmission range switch system (short circuit)	23A-175		
DTC P1773 (P0753): low-reverse solenoid valve system	23A-190		
DTC P1774 (P0758): underdrive solenoid valve system	23A-204		
DTC P1775 (P0763): second solenoid valve system	23A-216		
DTC P1776 (P0768): overdrive solenoid valve system	23A-228		

B

Backup light	90-116
Basic brake system diagnosis	
Basic brake system diagnostic troubleshooting strategy	35A-3
Introduction to basic brake system diagnosis	35A-3
Symptom chart	35A-3
Symptom procedures	
Inspection procedure 1: vehicle pulls to one side when brakes are applied	35A-3
Inspection procedure 2: insufficient braking power	35A-4

Inspection procedure 3: increased pedal stroke (reduced pedal-to-floor board clearance).....	35A-5	Troubleshooting strategy	54A-54
Inspection procedure 4: brake drag.....	35A-6	Data list reference table.....	54A-115
Inspection procedure 5: scraping or grinding noise when brakes are applied	35A-7	Diagnostic trouble code chart	54A-57
Inspection procedure 6: squealing, groaning or chattering noise when brakes are applied.....	35A-8	Diagnostic trouble code procedures	
Inspection procedure 7: squealing noise when brakes are not applied	35A-9	DTC B1200: defective odometer.....	54A-57
Inspection procedure 8: groaning, clicking or rattling noise when brakes are not applied.	35A-11	DTC B1201: defective fuel gauge.....	54A-59
Battery		DTC U1073: bus off	54A-73
On-vehicle service		DTC U1100: powertrain control module time-out (related to engine).....	54A-75
Battery charging.....	54A-6	DTC U1101: powertrain control module time-out (related to A/T).....	54A-75
Battery check.....	54A-5	DTC U1102: TCL/ASC-ECU time-out	54A-78
Battery test.....	54A-6	DTC U1109: ETACS-ECU time-out.....	54A-81
Brake pedal		DTC U1112: SRS-ECU time-out	54A-84
Inspection		DTC U1120: failure information on powertrain control module (related to engine).....	54A-86
Stoplight switch check.....	35A-24	DTC U1206: flag invalid	54A-89
Removal and installation	35A-23	General description.....	54A-54
		On-vehicle service	
		Fuel level sensor check	54A-124
		Speedometer check	54A-121
		Tachometer check.....	54A-123
		Special tools.....	54A-120
		Symptom chart.....	54A-91
		Symptom procedures	
		Inspection procedure 1: communication with scan tool is not possible.....	54A-91
		Inspection procedure 10: engine coolant temperature gauge does not work (other meters work).	54A-112
		Inspection procedure 2: power supply circuit.inspection procedure 3: odometer and trip meter are not displayed.inspection procedure 4: No needle meters work.inspection procedure 5: when the ignition switch is turned to the on pos ...	54A-93
		Inspection procedure 6: speedometer does not work.inspection procedure 7: the fuel gauge needle moves excessively..	54A-99
		Inspection procedure 8: tachometer does not work. ..	54A-101
		Inspection procedure 9: fuel gauge does not work (other meters work).	54A-104
		Compressor assembly and tension pulley	
		Disassembly and assembly	55A-162
		Inspection	
		Heater, air conditioning and ventilation	55A-161
		Heater, air conditioning and ventilation	55A-164
		Removal and installation.....	55A-159
		Condenser and condenser fan motor	
		Inspection	55A-166
		Removal and installation.....	55A-165
		Control unit	70-16
		Controller area network (CAN)	90-286
		Cooling system <2.4L engine>	90-56
		Cooling system <3.8L engine>	90-58
		Crankshaft and cylinder block	
		Inspection	
		Engine overhaul <2.4L engine>	11B-65
		Engine overhaul <3.8L engine>	11F-63
		Removal and installation	
		Engine overhaul <2.4L engine>	11B-61
		Engine overhaul <3.8L engine>	11F-59
		Crankshaft oil seal	
		Removal and installation.....	11A-40
		Removal and installation <front oil seal>	11E-50
		Removal and installation <rear oil seal>	11E-52

C

Camshaft and valve stem seal	
Removal and installation	
Engine mechanical <2.4L engine>	11A-30
Engine mechanical <3.8L engine>	11E-33
Camshaft oil seal	
Removal and installation	11E-30
CAN communication-related DTC code (u code) table	54C-450
Occupant classification sensor and occupant classification-euc	
Inspection	52B-459
Removal and installation	52B-459
Central door locking system	90-134
Centralized junction.....	90-15
Charging system	90-34
Charging system	
Charging system diagnosis	16-4
General description	16-3
Generator assembly	
Disassembly and assembly	16-17
Inspection	16-20
Removal and installation <2.4L engine>.....	16-14
Removal and installation <3.8L engine>.....	16-15
On-vehicle service	
Generator output line voltage drop test	16-7
Output current test.....	16-8
Regulated voltage test.....	16-10
Wave pattern check using an oscilloscope	16-11
Special tool	16-6
Check at ECU terminal.....	54B-581
Column switch	
Removal and installation	54A-146
Combination meter assembly	
Actuator test reference table	54A-117
Combination meter assembly	
Disassembly and assembly	54A-125
Removal and installation.....	54A-125
Combination meter terminal check.....	54A-119
Combination meters diagnosis	
Diagnosis function	54A-55

Crankshaft pulley		Defogger	
Removal and installation	11A-27	Defogger diagnosis	54A-291
Crossmember		General description	54A-291
Inspection	32-20	On-vehicle service	
Removal and installation	32-10	Printed-heater lines check	54A-291
Cruise control		Rear window defogger switch	
Cruise control		Inspection	54A-292
Removal and installation	17-78	Removal and installation	54A-292
Cruise control system diagnosis		Diagnosis	
Diagnostic function	17-11	Actuator test reference table	35C-202
Diagnostic troubleshooting strategy	17-11	CAN bus diagnostics 2.4L engine	
Introduction to auto-cruise control system diagnosis	17-11	Diagnostic item 1: diagnose shorts in the power supply to CAN bus line <vehicles without multi-center display (mitsubishi multi communication system)>	54C-23
Data list reference table	17-69	Diagnostic item 10: diagnose CAN bus lines thoroughly <vehicles with multi-center display (mitsubishi multi communication system)>	54C-362
Diagnostic trouble code chart	17-14	Diagnostic item 11: diagnose the lines between CAN main bus line and the powertrain control module	54C-401
Diagnostic trouble code procedures		Diagnostic item 12: diagnose the lines between CAN main bus line and the TCL/ASC-ECU	54C-407
DTC 22: stoplight switch system	17-33	Diagnostic item 13: diagnose the lines between CAN main bus line and the ETACS-ECU	54C-415
DTC 23: powertrain control module (PCM) and its related components	17-51	Diagnostic item 14: diagnose the lines between CAN main bus line and the multi-center display (mitsubishi multi communication system)	54C-420
DTC 15: auto-cruise control switch system	17-15	Diagnostic item 15: diagnose the lines between CAN main bus line and the A/C-ECU	54C-425
General description	17-10	Diagnostic item 16: diagnose the lines between CAN main bus line and the SRS-ECU	54C-430
On-vehicle service		Diagnostic item 17: diagnose the lines between CAN main bus line and the combination meter	54C-435
Auto-cruise control switch check	17-75	Diagnostic item 18: diagnose the lines between CAN main bus line and the TPMS receiver	54C-440
Auto-cruise control system component check	17-77	Diagnostic item 19: diagnose the lines between CAN main bus line and the steering wheel sensor	54C-445
PCM terminal voltage reference chart for auto-cruise control system operation	17-71	Diagnostic item 2: diagnose shorts in the power supply to CAN bus line <vehicles with multi-center display (mitsubishi multi communication system)>	54C-72
Special tools	17-73	Diagnostic item 3: diagnose shorts in the ground to CAN bus line <vehicles without multi-center display (mitsubishi multi communication system)>	54C-124
Symptom chart	17-54	Diagnostic item 4: diagnose shorts in the ground to CAN bus line <vehicles with multi-center display (mitsubishi multi communication system)>	54C-173
Symptom procedures		Diagnostic item 5: diagnose shorts between CAN _L and h lines <vehicles without multi-center display (mitsubishi multi communication system)>	54C-226
Inspection procedure 1: when the brake pedal is depressed, auto-cruise control system is not cancelled	17-54	Diagnostic item 6: diagnose shorts between CAN _L and h lines <vehicles with multi-center display (mitsubishi multi communication system)>	54C-256
Inspection procedure 2: when the selector lever is moved to "N" position, auto-cruise control system is not cancelled	17-55	Diagnostic item 7: diagnose terminator resistors at both ends	54C-289
Inspection procedure 3: when the auto-cruise control "CANCEL" switch is set to on, auto-cruise control system is not cancelled	17-59	Diagnostic item 8: diagnose a terminator resistor at either end	54C-311
Inspection procedure 4: auto-cruise control system cannot be set	17-59	Diagnostic item 9: diagnose CAN bus lines thoroughly <vehicles without multi-center display (mitsubishi multi communication system)>	54C-326
Inspection procedure 5: hunting (repeated acceleration and deceleration) occurs at the set vehicle speed	17-62	CAN bus diagnostics table	54C-13
Inspection procedure 6: when "CRUISE" (main) switch is turned "ON", "CRUISE" indicator light inside combination meter does not illuminate. (however, auto-cruise control system is normal)	17-65	Check at TCL/ASC-ECU	35C-203
Curtain air bag module(s)		Data list reference table	35C-201
Inspection	52B-451	Diagnostic function	35C-11
Removal and installation	52B-448	Diagnostic trouble code chart	35C-15
Cylinder head and valves		Diagnostic trouble code procedures <steering wheel sensor>	
Inspection		DTC C1551: hall-ic output voltage	
Engine overhaul <2.4L engine>	11B-36	DTC C1552: hall-ic output pattern	
Engine overhaul <3.8L engine>	11F-39	DTC C1553: optical sensor	
Removal and installation		DTC C1554: speed sensor is out of range	
Engine overhaul <2.4L engine>	11B-33	DTC C1555: steering angle sns. out of range	
Engine overhaul <3.8L engine>	11F-36	DTC C1608: EEPROM failure	35C-170
Cylinder head gasket		DTC U1073: bus off	35C-172
Removal and installation			
Engine mechanical <2.4L engine>	11A-43		
Engine mechanical <3.8L engine>	11E-54		
D			
Dash panel			
Configuration diagrams	80A-14		
Splice locations	80B-6		

Diagnostic trouble code procedures <TCL/ASC-ECU>			
DTC C1201: fr wheel spd. snsr. invalid signal	35C-26		
DTC C1205: fl wheel spd. snsr. malfunction.....	35C-35		
DTC C1206: fl wheel spd. snsr. invalid signal.....	35C-44		
DTC C1210: rr wheel spd. snsr. malfunction	35C-53		
DTC C1211: rr wheel spd. snsr. invalid signal	35C-62		
DTC C1215: rl wheel spd. snsr. malfunction.....	35C-72		
DTC C1216: rl wheel spd. snsr. invalid signal	35C-81		
DTC C1226: fr inlet valve DTC C1231: fr outlet valveDTC C1236: fl inlet valve DTC C1241: fl outlet valveDTC C1246: rr inlet valve DTC C1251: rr outlet valveDTC C1256: rl inlet valve			
DTC C1261: rl outle	35C-91		
DTC C1271: motor drive circuit	35C-95		
DTC C1276: valve power supply circuit.....	35C-103		
DTC C1340: stoplight switch	35C-111		
DTC C1361: m/c pressure snsr. stuck/low gainDTC C1364: m/c pressure snsr. malfunction.....	35C-118		
DTC C1366: lateral g snsr. stuck/low gainDTC C1371: yaw rate snsr. stuck/low gainDTC C1377: communication error g and yaw rate snsr.DTC C1864: g and yaw rate snsr. power supply voltage	35C-120		
DTC C1394: incomp. learn neutral (sas).....	35C-132		
DTC C1395: incomp. brake fluid filling	35C-135		
DTC C1505: steering angle sensor (detected by ASC side)DTC C1506: steering angle sensor error (detected by itself)	35C-138		
DTC C1607: ECU failure	35C-144		
DTC C1640: coding not completed.....	35C-145		
DTC C1641: coding not completed.....	35C-147		
DTC C1860: abnormality in battery voltage (high voltage)DTC C1861: abnormality in battery voltage (low voltage).....	35C-149		
DTC U1073: bus off	35C-155		
DTC U1100: CAN communications system time out error engine related data.....	35C-157		
DTC U1101: CAN communications system time out error A/T related data.....	35C-161		
DTC U1104: sas CAN timeout/not equipped	35C-164		
DTC U1120: CAN communications system TCL uncontrollable by engine malfunction.....	35C-167		
Wheel speed DTC C1200: fr wheel spd. snsr. malfunction	35C-17		
Introduction to TCL/ASC diagnosis	35C-10		
Symptom chart	35C-174		
Symptom procedures			
Inspection procedure 1: communication between scan tool and the TCL/ASC-ECU is not possible.....	35C-175		
Inspection procedure 10: TCL/ASC system dose not operate.....	35C-200		
Inspection procedure 2: communication between scan tool and the steering wheel sensor is not possible.....	35C-177		
Inspection procedure 3: TCL/ASC-ECU power supply circuit system	35C-179		
Inspection procedure 4: steering wheel sensor power supply circuit system	35C-185		
Inspection procedure 5: when the ignition switch is turned to the "ON" position (engine stopped), the "ASC off" indicator does not illuminate.inspection procedure 6: when the ignition switch is turned to the "ON" position (engine stopped), the	35C-190		
Inspection procedure 9: when the ASC off switch is push on for 3 secs or more, ASC does not be cancelled.....	35C-194		
TCL/ASC diagnostic troubleshooting strategy.....	35C-10		
Diagnosis key interlock and shift lock mechanism			
A/T key interlock and shift lock mechanisms diagnostic troubleshooting strategy.....	23A-379		
Introduction to A/T key interlock and shift lock mechanisms	23A-379		
Symptom chart	23A-379		
Symptom procedures			
Inspection procedure 1: selector lever can be moved from "P" to "R" position without depressing brake pedal when ignition key is at any position other than "LOCK" (OFF) position.	23A-380		
Inspection procedure 2: selector lever cannot be moved from "P" to "R" position with brake pedal depressed when ignition key is at any position other than "LOCK" (OFF) position.	23A-380		
Inspection procedure 3: selector lever can be moved from "P" to "R" position with brake pedal depressed when ignition key is at "LOCK" (OFF) position.	23A-382		
Inspection procedure 4: selector lever cannot be moved from "P" to "R" position smoothly.	23A-382		
Inspection procedure 5: selector lever cannot be moved from "R" to "P" position.....	23A-384		
Inspection procedure 6: ignition key cannot be turned to the "LOCK" (OFF) position when selector lever is at "P" position.	23A-384		
Inspection procedure 7: ignition key can be turned to the "LOCK" (OFF) position when selector lever is at any position other than "P" position.....	23A-385		
Diagnostic trouble code chart.....	54B-26		
Diagnostic trouble code diagnosis.....	54C-11		
Diagnostic trouble code procedures			
DTC U1073: bus off.....	54B-39		
DTC U1100: powertrain control module time-out (related to engine)DTC U1101: powertrain control module time-out (related to A/T)	54B-40		
DTC U1108: combination meter time-out.	54B-44		
DTC U1110: A/C-ECU time-out.....	54B-47		
DTC U1111: multi-center display unit (mitsubishi multi communication system) time-out.....	54B-51		
DTC U1128: failure information on combination meter. .	54B-54		
DTC U1700: malfunction in the SWS communication line	54B-27		
DTC U1701: communication error in the column switch	54B-30		
DTC U1702: communication error in the front-ECU	54B-33		
DTC U1703: communication error in the sunroof-ECU or the sunroof not installed.....	54B-36		
Differential			
Disassembly and assembly			
Automatic transaxle overhaul <F4A4B>	23B-63		
Automatic transaxle overhaul <F5A5A>	23C-71		
Direct clutch			
Disassembly and assembly	23C-60		
Direct planetary carrier			
Disassembly and assembly	23C-67		
Disc brake assembly			
Disassembly and assembly <front>	35A-30		
Disassembly and assembly <rear>.....	35A-33		
Inspection			
Basic brake system.....	35A-35		
Basic brake system.....	35A-29		
Removal and installation.....	35A-27		
Dome light	90-98		
Dome light			
Diagnosis	54A-138		
Dome light			
Removal and installation.....	54A-139		
Special tool	54A-138		
Door			
Configuration diagrams.....	80A-24		
Splice locations	80B-7		
Door			
Central door locking system diagnosis	42-25		
Door assembly			
Inspection.....	42-40		
Removal and installation.....	42-39		

TSB Revision

Engine assembly		Fog light.....	90-92
Removal and installation		Fog light	
Engine mechanical <2.4L engine>	11A-18	Fog light	
Engine mechanical <3.8L engine>	11E-22	Fog light removal and installation	54A-134
Engine compartment		Fog light switch removal and installation	54A-135
Configuration diagrams	80A-4	Inspection.....	54A-135
Splice locations.....	80B-4	Fog light diagnosis.....	54A-131
Engine control		On-vehicle service	
Accelerator pedal		Bulb replacement.....	54A-133
Removal and installation.....	17-9	Fog light aiming.....	54A-131
Engine control system diagnosis		Forgotten key prevention function	90-268
Introduction	17-3	Front axle diagnosis	
Troubleshooting strategy	17-3	Symptom chart.....	26-4
General description	17-3	Symptom procedures	
Special tool	17-8	Inspection procedure 1: noise during wheel rotation .	26-4
Symptom chart	17-3	Inspection procedure 2: noise due to excessive play of wheel in turning direction	26-5
Symptom procedures		Troubleshooting strategy	26-4
Inspection procedure 1: throttle valve will not fully open or close	17-4	Front axle hub assembly	
Inspection procedure 2: accelerator pedal operation not smooth (over acceleration).....	17-6	Inspection	26-13
Engine cooling diagnosis		Removal and installation.....	26-10
Introduction.....	14-3	Front bumper assembly	
Symptom chart	14-3	Disassembly and assembly	51-3
Symptom procedures		Removal and installation.....	51-2
Inspection procedure 1: coolant leak.....	14-4	Front impact sensors	
Inspection procedure 2: engine overheating.....	14-5	Inspection	52B-431
Troubleshooting strategy	14-3	Removal and installation.....	52B-429
Engine diagnosis		Front seat assembly	
Engine mechanical <2.4L engine>	11A-3	Disassembly and assembly	52A-38
Engine mechanical <3.8L engine>	11E-3	Inspection	52A-35
Engine mounting	32-4	Removal and installation.....	52A-33
Engine mounting		Front seat belt	
Removal and installation	32-4	Inspection	52A-46
Engine oil control valve		Removal and installation.....	52A-45
Removal and installation	11F-26	Front suspension diagnosis	
Engine oil pressure switch		Front suspension diagnosis troubleshooting strategy....	33-2
Removal and installation	12-6	Introduction to front suspension diagnosis	33-2
Engine roll stopper and centermember		Symptom chart.....	33-3
Removal and installation	32-7	Symptom procedures	
Exhaust manifold		Inspection procedure 1: steering wheel is heavy, vibrates or pulls to one side	33-3
Inspection	15-21	Inspection procedure 2: excessive body rolling	33-3
Removal and installation		Inspection procedure 3: poor ride	33-4
Engine overhaul <2.4L engine>.....	11B-9	Inspection procedure 4: unequal ride height.....	33-4
Engine overhaul <3.8L engine>.....	11F-24	Inspection procedure 5: noise.....	33-4
Removal and installation <2.4L engine>	15-16	Fuel and emission parts	
Removal and installation <3.8L engine>	15-18	Removal and installation.....	11B-23
Exhaust pipe and main muffler		Fuel filler lid	
Removal and installation	15-22	Removal and installation.....	42-13
Explanation about the sCAN tool (M.U.T.-III) CAN bus diagnostics	54C-6	Fuel supply diagnosis	
		Introduction	13C-2
		Symptom procedures.....	13C-3
		Troubleshooting strategy	13C-2
		Fuel tank	
		Disassembly and assembly	
		Fuel supply.....	13C-16
		Fuel supply.....	13C-20
		Inspection	13C-19
		Removal and installation.....	13C-12
		Fusible link, fuse and iod or storage connector	70-2

F

Fender	
Removal and installation	42-12
Floor and roof	
Configuration diagrams	80A-22
Splice locations.....	80B-7
Floor console assembly	
Removal and installation	52A-21

G

G and yaw rate sensor		Removal and installation.....	54A-288
Removal and installation	35C-221	Special tools.....	54A-265
Garnishes and moldings		Symptom procedures	
Moldings		Inspection procedure 1: when the speech button is pressed, the voice information is not output.	54A-269
Removal and installation.....	51-6	Inspection procedure 2: when the speech button is pressed, the voice information is output, but the voice recognition is not performed.....	54A-280
Special tool	51-6	Inspection procedure 3: when the hands-free cellular phone system is activated, the audio system is not set to mute. "phone (phone)" is not shown on the display.....	54A-283
General data and specifications	00-36	Trouble symptom chart	54A-268
General description		Harness connector inspection	00E-2
Engine mechanical <2.4L engine>	11A-2	Hazard warning light switch.....	54A-144
Engine mechanical <3.8L engine>	11E-2	Hazard warning light switch	
Engine lubrication	12-2	Hazard warning light diagnosis.....	54A-144
Multiport fuel injection (MFI) <2.4L engine>	13A-2	Hazard warning light switch	
Multiport fuel injection (MFI) <3.8L engine>	13B-2	Inspection.....	54A-145
Fuel supply	13C-2	Removal and installation.....	54A-144
Engine cooling	14-2	Headlight	90-80
Intake and exhaust	15-2	Headlight, front side marker light and position light assembly	
Automatic transaxle	23A-3	Headlight and front combination light	54A-130
Automatic transaxle overhaul <F4A4B>	23B-2	Headlight and front combination light	
Automatic transaxle overhaul <F5A5A>	23C-2	Removal and installation.....	54A-130
Wheel and tire	31-2	Headlight diagnosis	54A-126
Power plant mount.....	32-2	On-vehicle service	
Traction control/active stability control system	35C-3	Bulb replacement.....	54A-128
Interior	52A-2	Headlight aiming	54A-126
General information		Luminous intensity measurement	54A-128
Front axle.....	26-2	Headlining	
Rear axle	27-2	Removal and installation.....	52A-30
Front suspension	33-2	Heated seat	90-258
Rear suspension.....	34-2	Heater control assembly and A/C switch	
Basic brake system	35A-2	Removal and installation.....	55A-148
Parking brakes.....	36-2	Heater unit, heater core, blower assembly and evaporator unit	
Power steering.....	37-3	Blower assembly disassembly and assembly.....	55A-154
Supplemental restraint system (SRS)	52B-3	Disassembly and assembly	55A-152
Heater, air conditioning and ventilation.....	55A-3	Inspection	55A-153
Automatic air conditioning	55B-2	Removal and installation	
General information		Heater, air conditioning and ventilation	55A-149
Communication method.....	54B-2	Heater, air conditioning and ventilation	55A-151
Operation.....	54B-2	High-mounted stoplight	
Generator and drive belt		Removal and installation.....	54A-141
Removal and installation	11F-4	Hood	
Generator and ignition system		Body diagnosis	
Removal and installation	11B-6	Hood diagnostic troubleshooting strategy.....	42-4
Glove box light.....	90-106	Introduction to hood diagnosis	42-4
Grounding.....	70-4	Hood	
Grounding cable	70-3	Inspection.....	42-11

H

Hands-free cellular phone system.....	90-262	Removal and installation.....	42-8
Hands-free cellular phone system		On-vehicle service	
Diagnosis		Adjustment of clearance around hood	42-6
Introduction to hands free cellular phone diagnosis ..	54A-266	Adjustment of hood height	42-7
Troubleshooting strategy	54A-268	Alignment of hood latch and striker.....	42-6
General description	54A-263	Symptom chart.....	42-4
Inspection	54A-290	Symptom procedures	
On-vehicle service		Inspection procedure 1: difficult locking and unlocking	42-4
Erase the passcode	54A-287	Inspection procedure 2: uneven body clearance	42-5
Pairing a cellular phone or deleting a phone	54A-285	Inspection procedure 3: uneven height.....	42-5
		Horn.....	90-119

Horn		On-vehicle service	
Diagnosis <vehicle with keyless entry system>.....	54A-149	Encrypted code registration procedure.....	54A-40
Horn		Special tools.....	54A-38
Inspection.....	54A-150	Symptom chart.....	54A-23
Removal and installation.....	54A-149	Symptom procedures	
How to diagnose		Inspection procedure 1: the ignition key cannot be registered.....	54A-24
Battery handling.....	00E-12	Inspection procedure 2: engine cranks, but does not start.....	54A-25
Cables and wires check.....	00E-12	Inspection procedure 3: the immobilizer indicator light does not illuminate.....	54A-30
Checking fuses.....	00E-9	Inspection procedure 4: defective power supply system of the ignition switch.....	54A-35
Checking relays.....	00E-11	Ignition system	
Checking switches.....	00E-10	Camshaft position sensor	
General electrical system check.....	00E-12	Removal and installation <2.4L engine>.....	16-42
How to diagnose.....	00E-6	Removal and installation <3.8L engine>.....	16-43
Information for diagnosis.....	00E-6	Crankshaft position sensor	
Inspection.....	00E-7	Removal and installation <2.4L engine>.....	16-43
Inspection instruments.....	00E-8	Removal and installation <3.8L engine>.....	16-44
Troubleshooting steps.....	00E-6	General description.....	16-35
How to read circuit diagrams.....	90-4	Ignition coil	
How to read configuration diagrams.....	80A-3	Removal and installation <2.4L engine>.....	16-41
How to read splice locations.....	80B-2	Removal and installation <3.8L engine>.....	16-42
How to use this manual.....	00-3	Knock sensor	
How to use troubleshooting/inspection service points		Removal and installation <2.4L engine>.....	16-46
Connector inspection service points.....	00-13	Removal and installation <3.8L engine>.....	16-47
Connector measurement service points.....	00-11	On-vehicle service	
How to cope with intermittent malfunctions.....	00-14	Camshaft position sensor check.....	16-40
How to treat current trouble.....	00-16	Crankshaft position sensor check.....	16-40
How to treat past trouble.....	00-16	Ignition coil check.....	16-37
How to use the inspection procedures.....	00-9	Knock control system check.....	16-36
Inspection service points for a blown fuse.....	00-16	Spark plug check and cleaning.....	16-38
Troubleshooting contents.....	00-7	Spark plug test.....	16-38
Hydraulic unit		Removal and installation.....	11F-9
Removal and installation.....	35C-215	Special tool.....	16-36
		Ignition system <2.4L engine>.....	90-30
Ignition key reminder tone alarm.....	90-274	Ignition system <3.8L engine>.....	90-32
Ignition switch		Immobilizer system.....	90-244
Data list reference table.....	54A-37	Index.....	80B-3
Diagnostic trouble code chart.....	54A-15	Individual component service.....	52B-421
Diagnostic trouble code procedures		Injector	
DTC B1702: reception error of encrypted code.....	54A-16	Removal and installation	
DTC B1703: encrypted code inconsistent.....	54A-20	Multiport fuel injection (MFI) <2.4L engine>.....	13A-1231
DTC B1731: communication error with the powertrain control module.....	54A-21	Multiport fuel injection (MFI) <3.8L engine>.....	13B-1260
DTC B1761: vin not recorded.....	54A-23	Input signal chart.....	54B-62
Encrypted code registration criteria table.....	54A-10	Input signal procedures	
ETACS-ECU		Inspection procedure M-1: ETACS-ECU does not receive any signal from the ignition switch (acc).....	54B-496
Removal and installation.....	54A-53	Inspection procedure M-2: ETACS-ECU does not receive any signal from the ignition switch (ig1).....	54B-500
General description.....	54A-8	Inspection procedure M-3: ETACS-ECU does not receive any signal from the fog light switch.....	54B-503
Ignition key reminder tone alarm and door lock prevention function diagnosis.....	54A-10	Inspection procedure M-4: ETACS-ECU does not receive one of signal from the front door switches.....	54B-507
Ignition switch		Inspection procedure M-5: column switch: ETACS-ECU does not receive any signal from the taillight switch, the headlight switch, the passing light switch, the dimmer switch or the turn-signal light switch.....	54B-515
Handle lock cylinder disassembly and assembly.....	54A-50	Inspection procedure M-6: column switch: ETACS-ECU does not receive any signal from the windshield mist wiper switch, the windshield intermittent wiper switch, the windshield low-speed wiper switch, the windshield high-speed wiper switch or the winds.....	54B-518
Inspection.....	54A-52		
Removal and installation.....	54A-48		
Immobilizer system diagnosis			
Diagnosis function.....	54A-13		
Immobilizer system diagnostic troubleshooting strategy.....	54A-13		
Introduction to immobilizer system diagnosis.....	54A-12		

Inspection procedure M-7: column switch: ETACS-ECU does not receive any signal from the variable intermittent wiper control switch.....	54B-522
Inspection procedure M-8: sunroof switch: ETACS-ECU does not receive any signal from the up, open or close/down switch.	54B-526
Inspection procedure N-1: ETACS-ECU does not receive any signal from the key reminder switch.....	54B-530
Inspection procedure N-2: ETACS-ECU does not receive any signal from the hazard warning light switch.	54B-534
Inspection procedure N-3: ETACS-ECU does not receive one of signal from any of the door switches.....	54B-538
Inspection procedure N-4: ETACS-ECU does not receive one of signal from the front door lock actuator.....	54B-545
Inspection procedure N-5: ETACS-ECU does not receive one of signal from the door lock switch (incorporated in the power window main switch and front power window sub switch).....	54B-555
Inspection procedure N-6: ETACS-ECU does not receive any signal from the trunk lid latch assembly.	54B-565
Inspection procedure N-7: transmitter: ETACS-ECU does not receive any signal from the lock, unlock, trunk or panic switch..	54B-568
Inspection procedure N-8: ETACS-ECU does not receive any interior light loaded signal.....	54B-570
Inspection procedure N-9: ETACS-ECU does not receive any signal from hood switch.	54B-576
Inside rear view mirror	
Removal and installation	52A-32
Inside rear view mirror diagnosis	
Inside rear view mirror diagnostic troubleshooting strategy	52A-2
Introduction to inside rear view mirror diagnosis	52A-2
Symptom procedures	
The inside rear view mirror can't be set to night mode	52A-3
Inspection terminal	70-8
Instrument panel assembly	
Disassembly and assembly	52A-20
Removal and installation	52A-15
Intake and exhaust diagnosis	
Introduction.....	15-2
Symptom chart	15-2
Symptom procedures	
Inspection procedure 1: exhaust leakage	15-2
Inspection procedure 2: abnormal noise.....	15-3
Troubleshooting strategy	15-2
Intake manifold	
Inspection	15-15
Removal and installation <2.4L engine>	15-9
Removal and installation <3.8L engine>	15-12
Intake manifold and fuel parts	
Removal and installation	11F-20
Intake manifold and water pump	
Removal and installation	11B-25
Intake manifold plenum	15-6
Intake manifold plenum	
Removal and installation <3.8L engine>	15-6
Intake manifold plenum and throttle body assembly	
Removal and installation	11F-6
Intersystem affiliated DTC reference table	00-17
INVECS-II 4A/T <2.4L engine>	90-60
INVECS-II 5A/T <3.8L engine>	90-70

J

Joint connector.....	90-12
Junction block.....	90-10

K

Keyless entry system	
General information	42-69
Keyless entry system diagnosis.....	42-71
On-vehicle service	
Enabling/disabling the answerback function	42-73
How to register secret code	42-75
Keyless entry system inspection.....	42-72
Keyless entry system timer lock function inspection..	42-73
Special tools.....	42-71
Transmitter	
Disassembly and assembly	42-78
Inspection.....	42-79
Knuckle	
Inspection	27-10
Removal and installation.....	27-9

L

License plate light	
Removal and installation.....	54A-141
Lighting monitor tone alarm	90-272
Loose panel	
Removal and installation.....	42-89
Lower arm	
Inspection	34-11
Lower arm ball joint dust cover replacement	33-18
Lower arm bushing replacement	33-19
Lower arm check	33-17
Removal and installation	
Front suspension	33-16
Rear suspension	34-10
Low-reverse brake	
Disassembly and assembly	
Automatic transaxle overhaul <F4A4B>	23B-59
Automatic transaxle overhaul <F5A5A>	23C-65
Lubrication and maintenance	00-39
Luggage compartment	
Configuration diagrams.....	80A-25
Splice locations.....	80B-8

M

Main sealant and adhesive table	00-58
Maintenance service	
1. fuel system (tank, pipe line and connection, and fuel tank filler tube cap) (check for leaks)	00-47
10. engine oil (change)	00-49
11. engine oil filter (replace).....	00-50
12. automatic transmission fluid (check fluid level and condition).....	00-52
13. engine coolant (change)	00-54
14. coolant hoses (radiator hose, heater hose) (inspect).....	00-56
15. disc brake pads, rotors (inspect for wear).....	00-56
16. brake hoses (check for deterioration or leaks).....	00-56
17. ball joint and steering linkage seals (inspect for grease leaks and damage).....	00-57
18. drive shaft boots (inspect for grease leaks and damage).....	00-57
19. suspension system (inspect for looseness and damage).....	00-57
2. fuel hoses (check condition)	00-47

20. tires (rotate)	00-57	Meter and gauge	90-120
3. air cleaner element (replace)	00-47	MFI system <2.4L engine>	90-36
4. evaporative emission control system (except evaporative emission canister) (check for leaks and clogging)	00-47	MFI system <3.8L engine>	90-46
5. spark plugs (replace)	00-48	Mitsubishi multi communication system (MMCS)	90-202
6. intake and exhaust valve clearance [4G6-MIVEC engine] (inspect and adjust)	00-48	MMCS	
7. timing belt (replace)	00-49	Diagnosis	
8. drive belts (for the generator and power steering oil pump) (check condition)	00-49	Diagnosis function	54A-326
9. exhaust system (connection portion of muffler, muffler pipes and converter heat shields) (check and service)	00-49	Diagnosis service mode function	54A-316
Manual A/C diagnosis		Error message	54A-310
Actuator test reference	55A-137	Precautions during mmcs service	54A-314
Check at A/C-ECU terminal	55A-138	Diagnostic trouble code chart	54A-328
Data list reference table	55A-135	Diagnostic trouble code procedures	54A-328
Diagnostic function	55A-6	Diagnostic trouble code procedures	
Diagnostic trouble code chart	55A-10	DTC 10: buss off	54A-328
Diagnostic trouble code procedures		DTC 11: powertrain control module time-out (related to engine)	54A-330
DTC B1011, B1012: ambient air temperature sensor system	55A-11	DTC 12: powertrain control module time-out (related to A/T)	54A-333
DTC B1021, B1022: air thermo sensor system	55A-18	DTC 13: A/C-ECU time-out	54A-336
DTC B1041, B1042: air mixing damper control motor and potentiometer (potentiometer system)	55A-25	DTC 14: combination meter time-out	54A-339
DTC B1045: air mixing damper control motor and potentiometer (activating system failure)	55A-31	DTC 19: ETACS-ECU time-out	54A-342
DTC B1061, B1062: mode selection damper control motor and potentiometer	55A-37	DTC 20: failures information on powertrain control module (related to engine)	54A-345
DTC B1065: mode selection damper control motor and potentiometer	55A-44	DTC 21: failures information on combination meter	54A-348
DTC U1073: bus off	55A-49	DTC 22: failures information on A/C-ECU	54A-308
DTC U1100: powertrain control module time-out (related to engine)	55A-51	General description	54A-403
DTC U1111: multi-center display unit (middle grade type) time-out	55A-54	Main unit terminal voltage	54A-409
DTC U1120: failure information on powertrain control module (related to engine)	55A-58	Navigation unit removal and installation	54A-409
Heater, A/C and ventilation diagnostic troubleshooting strategy	55A-5	On-vehicle service	
Introduction to heater, A/C and ventilation diagnosis	55A-5	ETACS customization function	54A-410
Symptom chart	55A-62	Removal and installation	54A-406
Symptom procedures		Special tools	54A-407
Inspection procedure 1: when the ignition switch is "ON", the A/C does not operate	55A-63	Symptom procedures	
Inspection procedure 10: malfunction of the A/C-ECU power supply system	55A-127	Inspection procedure 1: communication between scan tool and multi-center display is not possible.	54A-352
Inspection procedure 2: when the air outlet changeover control knob is moved to defroster or defroster/foot position, the A/C or the outside/inside air selection damper control motor does not operate	55A-64	Inspection procedure 10: the touch panel operation is ineffective	54A-382
Inspection procedure 3: outside/inside air changeover is not possible	55A-65	Inspection procedure 11: the menu operation is possible even during driving. /the current position display (vehicle mark) does not move. (the mark sometimes moves by leaping.)	54A-384
Inspection procedure 4: when the A/C is operating, temperature inside the passenger compartment does not decrease (cool air is not emitted)	55A-71	Inspection procedure 12: the vehicle position is not displayed normally/the vehicle position does not move forward inside a tunnel.	54A-389
Inspection procedure 5: front blower fan and motor do not turn	55A-89	Inspection procedure 13: the map disk is not read. inspection procedure 14: the map disk cannot be inserted.	54A-394
Inspection procedure 6: front blower air amount cannot be changed	55A-101	Inspection procedure 15: gps cannot be received.	54A-395
Inspection procedure 7: the A/C indicator flashes.	55A-106	Inspection procedure 16: when in the navigation mode, the messages below are displayed	54A-396
Inspection procedure 8: defogger function does not operate	55A-114	Inspection procedure 17: the current position display (vehicle mark) only moves forward or backward. inspection procedure 18: even when the vehicle turns the traffic intersection, the current position display (vehicle position) does not make a	54A-397
Inspection procedure 9: defogger timer function does not operate	55A-126	Inspection procedure 19: only the front left speaker does not sound (including the audio sound)	54A-398
Manual air conditioning system	90-150	Inspection procedure 2: the screen is not displayed with acc-on	54A-354
Mark		Inspection procedure 3: the daytime/nighttime display mode on multi-center display does not switch	54A-361
Removal and installation	51-22	Inspection procedure 4: the multi-center display operation tone (beep sound) does not sound.	54A-363
Master cylinder assembly and brake booster assembly		Inspection procedure 5: the audio communication error screen is displayed to the multi-center display	54A-365
Removal and installation	35A-25	Inspection procedure 6: the "--" is shown on the driving information display, or the display is not normal. inspection procedure 7: the "--" is shown on the environmental data display, or the display is not normal.	54A-368
		Inspection procedure 8: the navigation screen is not displayed at all.	54A-374

Inspection procedure 9: the navigation sound is not output or the noise enters in the sound.....	54A-381	DTC P0052: cylinder 2, 3 heated oxygen sensor (front) heater control circuit high.....	13A-125
Trouble symptom chart.....	54A-351	DTC P0052: heated oxygen sensor heater circuit high (bank 2 sensor 1).....	13B-128
Motors and transistor		DTC P0057: cylinder 2, 3 heated oxygen sensor (rear) heater control circuit low.....	13A-130
Inspection.....	55A-156	DTC P0057: heated oxygen sensor heater circuit low (bank 2 sensor 2).....	13B-132
Removal and installation.....	55A-155	DTC P0058: cylinder 2, 3 heated oxygen sensor (rear) heater control circuit high.....	13A-143
Multi-center display.....	90-200	DTC P0058: heated oxygen sensor heater circuit high (bank 2 sensor 2).....	13B-146
Multi-center display		DTC P0069: abnormal correlation between manifold absolute pressure sensor and barometric pressure sensor	
Check at multi-center display unit terminal.....	54A-305	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-147
Diagnosis.....	54A-293	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-150
General description.....	54A-293	DTC P0101: mass airflow circuit range/performance problem	
Multi-center display		Multipoint fuel injection (MFI) <2.4L engine>.....	13A-152
Removal and installation.....	54A-307	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-155
Special tools.....	54A-306	DTC P0102: mass airflow circuit low input	
Symptom procedures		Multipoint fuel injection (MFI) <2.4L engine>.....	13A-161
Inspection procedure 1: the multi-center display does not show any information.....	54A-294	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-166
Inspection procedure 2: the audio information is not displayed normally.....	54A-303	DTC P0103: mass airflow circuit high input	
Troubleshooting strategy.....	54A-293	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-170
Multipoint fuel injection (MFI) diagnosis		Multipoint fuel injection (MFI) <3.8L engine>.....	13B-175
Actuator test reference table		DTC P0106: manifold absolute pressure circuit range/performance problem	
Multipoint fuel injection (MFI) <2.4L engine>.....	13A-1191	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-177
Multipoint fuel injection (MFI) <3.8L engine>.....	13B-1221	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-182
Check at the powertrain control module (PCM)		DTC P0107: manifold absolute pressure circuit low input	
Multipoint fuel injection (MFI) <2.4L engine>.....	13A-1192	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-191
Multipoint fuel injection (MFI) <3.8L engine>.....	13B-1222	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-196
Data list reference table		DTC P0108: manifold absolute pressure circuit high input	
Multipoint fuel injection (MFI) <2.4L engine>.....	13A-1169	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-203
Multipoint fuel injection (MFI) <3.8L engine>.....	13B-1199	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-208
Diagnostic function		DTC P0111: intake air temperature circuit range/performance problem	
Multipoint fuel injection (MFI) <2.4L engine>.....	13A-5	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-212
Multipoint fuel injection (MFI) <3.8L engine>.....	13B-5	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-217
Diagnostic trouble code chart		DTC P0112: intake air temperature circuit low input	
Multipoint fuel injection (MFI) <2.4L engine>.....	13A-46	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-221
Multipoint fuel injection (MFI) <3.8L engine>.....	13B-46	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-226
Diagnostic trouble code procedures		DTC P0113: intake air temperature circuit high input	
DTC p001a: camshaft profile control (engine oil control valve) circuit		Multipoint fuel injection (MFI) <2.4L engine>.....	13A-228
Multipoint fuel injection (MFI) <2.4L engine>.....	13A-55	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-233
Multipoint fuel injection (MFI) <3.8L engine>.....	13B-55	DTC P0116: engine coolant temperature circuit range/performance problem	
DTC P0031: cylinder 1, 4 heated oxygen sensor (front) heater control circuit low.....	13A-65	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-238
DTC P0031: heated oxygen sensor heater circuit low (bank 1 sensor 1).....	13B-67	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-243
DTC P0032: cylinder 1, 4 heated oxygen sensor (front) heater control circuit high.....	13A-78	DTC P0117: engine coolant temperature circuit low input	
DTC P0032: heated oxygen sensor heater circuit high (bank 1 sensor 1).....	13B-81	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-247
DTC P0037: cylinder 1, 4 heated oxygen sensor (rear) heater control circuit low.....	13A-83	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-252
DTC P0037: heated oxygen sensor heater circuit low (bank 1 sensor 2).....	13B-85	DTC P0118: engine coolant temperature circuit high input	
DTC P0038: cylinder 1, 4 heated oxygen sensor (rear) heater control circuit high.....	13A-96	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-254
DTC P0038: heated oxygen sensor heater circuit high (bank 1 sensor 2).....	13B-99	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-259
DTC p003c: mitsubishi innovative valve timing electronic control system (MIVEC) performance		DTC P0122: throttle position sensor (main) circuit low input	
Multipoint fuel injection (MFI) <2.4L engine>.....	13A-101	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-265
Multipoint fuel injection (MFI) <3.8L engine>.....	13B-103	Multipoint fuel injection (MFI) <3.8L engine>.....	13B-270
DTC P0051: cylinder 2, 3 heated oxygen sensor (front) heater control circuit low.....	13A-112	DTC P0123: throttle position sensor (main) circuit high input	
DTC P0051: heated oxygen sensor heater circuit low (bank 2 sensor 1).....	13B-114	Multipoint fuel injection (MFI) <2.4L engine>.....	13A-276
		Multipoint fuel injection (MFI) <3.8L engine>.....	13B-281

DTC P0125: insufficient coolant temperature for closed loop fuel control		DTC P0160: heated oxygen sensor circuit No activity detected (bank 2 sensor 2).....	13B-435
Multiport fuel injection (MFI) <2.4L engine>	13A-284	DTC P0171: system too lean (bank 1).....	13B-439
Multiport fuel injection (MFI) <3.8L engine>	13B-289	DTC P0171: system too lean (cylinder 1, 4).....	13A-431
DTC P0128: coolant thermostat (coolant temperature below thermostat regulating temperature)		DTC P0172: system too rich (bank 1).....	13B-448
Multiport fuel injection (MFI) <2.4L engine>	13A-297	DTC P0172: system too rich (cylinder 1, 4).....	13A-439
Multiport fuel injection (MFI) <3.8L engine>	13B-302	DTC P0174: system too lean (bank 2).....	13B-454
DTC P0131: cylinder 1, 4 heated oxygen sensor (front) circuit low voltage	13A-299	DTC P0174: system too lean (cylinder 2, 3).....	13A-444
DTC P0131: heated oxygen sensor circuit low voltage (bank 1 sensor 1).....	13B-304	DTC P0175: system too rich (bank 2).....	13B-462
DTC P0132: cylinder 1, 4 heated oxygen sensor (front) circuit high voltage	13A-315	DTC P0175: system too rich (cylinder 2, 3).....	13A-452
DTC P0132: heated oxygen sensor circuit high voltage (bank 1 sensor 1).....	13B-320	DTC P0181: fuel tank temperature sensor circuit range/performance	
DTC P0133: cylinder 1, 4 heated oxygen sensor (front) circuit slow response	13A-320	Multiport fuel injection (MFI) <2.4L engine>.....	13A-458
DTC P0133: heated oxygen sensor circuit slow response (bank 1 sensor 1).....	13B-325	Multiport fuel injection (MFI) <3.8L engine>.....	13B-468
DTC P0134: cylinder 1, 4 heated oxygen sensor (front) No activity detected	13A-326	DTC P0182: fuel tank temperature sensor circuit low input	
DTC P0134: heated oxygen sensor circuit No activity detected (bank 1 sensor 1).....	13B-331	Multiport fuel injection (MFI) <2.4L engine>.....	13A-465
DTC P0137: cylinder 1, 4 heated oxygen sensor (rear) circuit low voltage	13A-335	Multiport fuel injection (MFI) <3.8L engine>.....	13B-475
DTC P0137: heated oxygen sensor circuit low voltage (bank 1 sensor 2).....	13B-341	DTC P0183: fuel tank temperature sensor circuit high input	
DTC P0138: cylinder 1, 4 heated oxygen sensor (rear) circuit high voltage	13A-351	Multiport fuel injection (MFI) <2.4L engine>.....	13A-471
DTC P0138: heated oxygen sensor circuit high voltage (bank 1 sensor 2).....	13B-357	Multiport fuel injection (MFI) <3.8L engine>.....	13B-481
DTC P0139: cylinder 1, 4 heated oxygen sensor (rear) circuit slow response	13A-356	DTC P0201: injector circuit - cylinder 1.....	13B-492
DTC P0139: heated oxygen sensor circuit slow response (bank 1 sensor 2).....	13B-362	DTC P0201: injector circuit-cylinder 1.....	13A-482
DTC P0140: cylinder 1, 4 heated oxygen sensor (rear) circuit No activity detected	13A-361	DTC P0202: injector circuit - cylinder 2.....	13B-504
DTC P0140: heated oxygen sensor circuit No activity detected (bank 1 sensor 2).....	13B-367	DTC P0202: injector circuit-cylinder 2.....	13A-492
DTC P0151: cylinder 2, 3 heated oxygen sensor (front) circuit low voltage	13A-365	DTC P0203: injector circuit - cylinder 3.....	13B-515
DTC P0151: heated oxygen sensor circuit low voltage (bank 2 sensor 1).....	13B-371	DTC P0203: injector circuit-cylinder 3.....	13A-502
DTC P0152: cylinder 2, 3 heated oxygen sensor (front) circuit high voltage	13A-381	DTC P0204: injector circuit - cylinder 4.....	13B-527
DTC P0152: heated oxygen sensor circuit high voltage (bank 2 sensor 1).....	13B-388	DTC P0204: injector circuit-cylinder 4.....	13A-512
DTC P0153: cylinder 2, 3 heated oxygen sensor (front) circuit slow response	13A-386	DTC P0205: injector circuit - cylinder 5.....	13B-538
DTC P0153: heated oxygen sensor circuit slow response (bank 2 sensor 1).....	13B-393	DTC P0206: injector circuit - cylinder 6.....	13B-550
DTC P0154: cylinder 2, 3 heated oxygen sensor (front) No activity detected	13A-392	DTC P0222: throttle position sensor (sub) circuit low input	
DTC P0154: heated oxygen sensor circuit No activity detected (bank 2 sensor 1).....	13B-399	Multiport fuel injection (MFI) <2.4L engine>.....	13A-522
DTC P0157: cylinder 2, 3 heated oxygen sensor (rear) circuit low voltage	13A-401	Multiport fuel injection (MFI) <3.8L engine>.....	13B-561
DTC P0157: heated oxygen sensor circuit low voltage (bank 2 sensor 2).....	13B-408	DTC P0223: throttle position sensor (sub) circuit high input	
DTC P0158: cylinder 2, 3 heated oxygen sensor (rear) circuit high voltage	13A-417	Multiport fuel injection (MFI) <2.4L engine>.....	13A-533
DTC P0158: heated oxygen sensor circuit high voltage (bank 2 sensor 2).....	13B-425	Multiport fuel injection (MFI) <3.8L engine>.....	13B-572
DTC P0159: cylinder 2, 3 heated oxygen sensor (rear) circuit slow response	13A-422	DTC P0300: random/multiple cylinder misfire detected	
DTC P0159: heated oxygen sensor circuit slow response (bank 2 sensor 2).....	13B-430	Multiport fuel injection (MFI) <2.4L engine>.....	13A-540
DTC P0160: cylinder 2, 3 heated oxygen sensor (rear) circuit No activity detected	13A-427	Multiport fuel injection (MFI) <3.8L engine>.....	13B-579
		DTC P0301: cylinder 1 misfire detected	
		Multiport fuel injection (MFI) <2.4L engine>.....	13A-546
		Multiport fuel injection (MFI) <3.8L engine>.....	13B-584
		DTC P0302: cylinder 2 misfire detected	
		Multiport fuel injection (MFI) <2.4L engine>.....	13A-549
		Multiport fuel injection (MFI) <3.8L engine>.....	13B-587
		DTC P0303: cylinder 3 misfire detected	
		Multiport fuel injection (MFI) <2.4L engine>.....	13A-552
		Multiport fuel injection (MFI) <3.8L engine>.....	13B-590
		DTC P0304: cylinder 4 misfire detected	
		Multiport fuel injection (MFI) <2.4L engine>.....	13A-555
		Multiport fuel injection (MFI) <3.8L engine>.....	13B-593
		DTC P0305: cylinder 5 misfire detected	13B-596
		DTC P0306: cylinder 6 misfire detected	13B-599
		DTC P0325: knock sensor circuit	
		Multiport fuel injection (MFI) <2.4L engine>.....	13A-559
		Multiport fuel injection (MFI) <3.8L engine>.....	13B-603
		DTC P0335: crankshaft position sensor circuit	
		Multiport fuel injection (MFI) <2.4L engine>.....	13A-567
		Multiport fuel injection (MFI) <3.8L engine>.....	13B-610

DTC P0340: camshaft position sensor circuit		DTC P0463: fuel level sensor circuit high input	
Multiport fuel injection (MFI) <2.4L engine>	13A-586	Multiport fuel injection (MFI) <2.4L engine>	13A-788
Multiport fuel injection (MFI) <3.8L engine>	13B-632	Multiport fuel injection (MFI) <3.8L engine>	13B-834
DTC P0401: exhaust gas recirculation flow insufficient detected		DTC P0506: idle control sytem rpm lower than expected	
Multiport fuel injection (MFI) <2.4L engine>	13A-602	Multiport fuel injection (MFI) <2.4L engine>	13A-794
Multiport fuel injection (MFI) <3.8L engine>	13B-649	Multiport fuel injection (MFI) <3.8L engine>	13B-840
DTC P0403: exhaust gas recirculation control circuit		DTC P0507: idle control sytem rpm higher than expected	
Multiport fuel injection (MFI) <2.4L engine>	13A-606	Multiport fuel injection (MFI) <2.4L engine>	13A-797
Multiport fuel injection (MFI) <3.8L engine>	13B-653	Multiport fuel injection (MFI) <3.8L engine>	13B-843
DTC P0421: warm up catalyst efficiency below threshold (bank 1)	13B-665	DTC p050b: ignition timing retard insufficient	13A-820
DTC P0421: warm up catalyst efficiency below threshold (cylinder 1, 4)	13A-618	DTC P0513: immobilizer malfunction	
DTC P0431: warm up catalyst efficiency below threshold (bank 2)	13B-667	Multiport fuel injection (MFI) <2.4L engine>	13A-800
DTC P0431: warm up catalyst efficiency below threshold (cylinder 2, 3)	13A-620	Multiport fuel injection (MFI) <3.8L engine>	13B-846
DTC P0441: evaporative emission control system incorrect purge flow		DTC P0551: power steering pressure switch circuit range/performance	
Multiport fuel injection (MFI) <2.4L engine>	13A-623	Multiport fuel injection (MFI) <2.4L engine>	13A-802
Multiport fuel injection (MFI) <3.8L engine>	13B-670	Multiport fuel injection (MFI) <3.8L engine>	13B-848
DTC P0442: evaporative emission control system leak detected (small leak)		DTC P0554: power steering pressure switch circuit intermittent	
Multiport fuel injection (MFI) <2.4L engine>	13A-627	Multiport fuel injection (MFI) <2.4L engine>	13A-815
Multiport fuel injection (MFI) <3.8L engine>	13B-674	Multiport fuel injection (MFI) <3.8L engine>	13B-861
DTC P0443: evaporative emission control system purge control valve circuit		DTC P0603: EEPROM malfunction	
Multiport fuel injection (MFI) <2.4L engine>	13A-640	Multiport fuel injection (MFI) <2.4L engine>	13A-823
Multiport fuel injection (MFI) <3.8L engine>	13B-686	Multiport fuel injection (MFI) <3.8L engine>	13B-866
DTC P0446: evaporative emission control system vent control circuit		DTC P0606: powertrain control module main processor malfunction	
Multiport fuel injection (MFI) <2.4L engine>	13A-651	Multiport fuel injection (MFI) <2.4L engine>	13A-825
Multiport fuel injection (MFI) <3.8L engine>	13B-698	Multiport fuel injection (MFI) <3.8L engine>	13B-868
DTC P0450: evaporative emission control system pressure sensor malfunction		DTC P0622: generator fr terminal circuit malfunction	
Multiport fuel injection (MFI) <2.4L engine>	13A-662	Multiport fuel injection (MFI) <2.4L engine>	13A-833
Multiport fuel injection (MFI) <3.8L engine>	13B-710	Multiport fuel injection (MFI) <3.8L engine>	13B-875
DTC P0451: evaporative emission control system pressure sensor range/performance	13A-683	DTC P0630: vehicle identification number (vin) malfunction	
DTC P0451: evaporative emission control system pressure sensor range/performance	13B-731	Multiport fuel injection (MFI) <2.4L engine>	13A-840
DTC P0452: evaporative emission control system pressure sensor low input		Multiport fuel injection (MFI) <3.8L engine>	13B-882
Multiport fuel injection (MFI) <2.4L engine>	13A-704	DTC P0638: throttle actuator control motor circuit range/performance problem	
Multiport fuel injection (MFI) <3.8L engine>	13B-752	Multiport fuel injection (MFI) <2.4L engine>	13A-843
DTC P0453: evaporative emission control system pressure sensor high input		Multiport fuel injection (MFI) <3.8L engine>	13B-885
Multiport fuel injection (MFI) <2.4L engine>	13A-725	DTC P0642: throttle position sensor power supply	
Multiport fuel injection (MFI) <3.8L engine>	13B-773	Multiport fuel injection (MFI) <2.4L engine>	13A-849
DTC P0455: evaporative emission control system leak detected (gross leak)		Multiport fuel injection (MFI) <3.8L engine>	13B-891
Multiport fuel injection (MFI) <2.4L engine>	13A-746	DTC P0657 throttle actuator control motor relay circuit malfunction	13B-893
Multiport fuel injection (MFI) <3.8L engine>	13B-794	DTC P0657: throttle actuator control motor relay circuit malfunction	13A-851
DTC P0456: evaporative emission control system leak detected (very small leak)		DTC P1506: idle control system rpm lower than expected at low engine coolant temperature	13B-906
Multiport fuel injection (MFI) <2.4L engine>	13A-761	DTC P1506: idle control sytem rpm lower than expected at low engine coolant temperature	13A-864
Multiport fuel injection (MFI) <3.8L engine>	13B-808	DTC P1507: idle control system rpm higher than expected at low engine coolant temperature	13B-909
DTC P0461: fuel level sensor (main) circuit range/performance		DTC P1507: idle control sytem rpm higher than expected at low engine coolant temperature	13A-867
Multiport fuel injection (MFI) <2.4L engine>	13A-774	DTC P1540: lin communication check by PCM (sending message to radiator sensor)/DTC P1541: lin communication check by PCM (receiving message from radiator sensor)	13A-870
Multiport fuel injection (MFI) <3.8L engine>	13B-820	DTC P1543: dor radiator tampering monitor (temperature check after thermostat open)	13A-876
DTC P0462: fuel level sensor circuit low input		DTC P1544: dor radiator tampering monitor (temperature check before thermostat open)	13A-878
Multiport fuel injection (MFI) <2.4L engine>	13A-781	DTC P1545: dor radiator tampering monitor (temperature change after thermostat open)	13A-880
Multiport fuel injection (MFI) <3.8L engine>	13B-827	DTC P1546: dor radiator tampering monitor (temperature check at cold start)	13A-882
		DTC P1547: dor radiator tampering monitor (rationality check)	13A-884

DTC P1580: dor radiator tampering monitor (encrypted message)	13A-886	DTC U1073: bus off	
DTC P1602: communication malfunction (between PCM main processor and system lsi)		Multiport fuel injection (MFI) <2.4L engine>	13A-1032
Multiport fuel injection (MFI) <2.4L engine>	13A-888	Multiport fuel injection (MFI) <3.8L engine>	13B-1055
Multiport fuel injection (MFI) <3.8L engine>	13B-912	DTC U1102: ASC-ECU time-out	
DTC P1603: battery backup line malfunction		Multiport fuel injection (MFI) <2.4L engine>	13A-1034
Multiport fuel injection (MFI) <2.4L engine>	13A-890	Multiport fuel injection (MFI) <3.8L engine>	13B-1057
Multiport fuel injection (MFI) <3.8L engine>	13B-914	DTC U1108: combination meter time-out	
DTC P2066: fuel level sensor (sub) circuit range/performance		Multiport fuel injection (MFI) <2.4L engine>	13A-1039
Multiport fuel injection (MFI) <2.4L engine>	13A-897	Multiport fuel injection (MFI) <3.8L engine>	13B-1062
Multiport fuel injection (MFI) <3.8L engine>	13B-921	DTC U1109: ETACS-ECU time-out	
DTC P2100: throttle actuator control motor circuit (open)		Multiport fuel injection (MFI) <2.4L engine>	13A-1044
Multiport fuel injection (MFI) <2.4L engine>	13A-902	Multiport fuel injection (MFI) <3.8L engine>	13B-1067
Multiport fuel injection (MFI) <3.8L engine>	13B-926	DTC U1110: A/C-ECU time-out	
DTC P2101: throttle actuator control motor magneto malfunction		Multiport fuel injection (MFI) <2.4L engine>	13A-1048
Multiport fuel injection (MFI) <2.4L engine>	13A-910	Multiport fuel injection (MFI) <3.8L engine>	13B-1071
Multiport fuel injection (MFI) <3.8L engine>	13B-935	DTC U1117: immobilizer-ECU time-out	
DTC P2122: accelerator pedal position sensor (main) circuit low input		Multiport fuel injection (MFI) <2.4L engine>	13A-1052
Multiport fuel injection (MFI) <2.4L engine>	13A-916	Multiport fuel injection (MFI) <3.8L engine>	13B-1075
Multiport fuel injection (MFI) <3.8L engine>	13B-941	Fail-safe function reference table	
DTC P2123: accelerator pedal position sensor (main) circuit high input		Multiport fuel injection (MFI) <2.4L engine>	13A-44
Multiport fuel injection (MFI) <2.4L engine>	13A-926	Multiport fuel injection (MFI) <3.8L engine>	13B-44
Multiport fuel injection (MFI) <3.8L engine>	13B-951	General scan tool (gst) mode 01 reference table	
DTC P2127: accelerator pedal position sensor (sub) circuit low input		Multiport fuel injection (MFI) <2.4L engine>	13A-1186
Multiport fuel injection (MFI) <2.4L engine>	13A-933	Multiport fuel injection (MFI) <3.8L engine>	13B-1215
Multiport fuel injection (MFI) <3.8L engine>	13B-958	Inspection procedure using an oscilloscope	
DTC P2128: accelerator pedal position sensor (sub) circuit high input		Multiport fuel injection (MFI) <2.4L engine>	13A-1200
Multiport fuel injection (MFI) <2.4L engine>	13A-943	Multiport fuel injection (MFI) <3.8L engine>	13B-1231
Multiport fuel injection (MFI) <3.8L engine>	13B-968	Symptom chart	
DTC P2135: throttle position sensor (main and sub) range/performance problem		Multiport fuel injection (MFI) <2.4L engine>	13A-51
Multiport fuel injection (MFI) <2.4L engine>	13A-950	Multiport fuel injection (MFI) <3.8L engine>	13B-51
Multiport fuel injection (MFI) <3.8L engine>	13B-975	Symptom procedures	
DTC P2138: accelerator pedal position sensor (main and sub) range/performance problem		Inspection procedure 1: communication with PCM only is not possible	
Multiport fuel injection (MFI) <2.4L engine>	13A-956	Multiport fuel injection (MFI) <2.4L engine>	13A-1055
Multiport fuel injection (MFI) <3.8L engine>	13B-981	Multiport fuel injection (MFI) <3.8L engine>	13B-1078
DTC P2195: cylinder 1, 4 heated oxygen sensor (front) inactive	13A-970	Inspection procedure 10: when the engine is cold, it stalls at idle (die out)	13A-1086
DTC P2195: heated oxygen sensor inactive (bank 1 sensor 1)	13B-995	Inspection procedure 10: when the engine is cold, it stalls at idle (die out)	13B-1114
DTC P2197: cylinder 2, 3 heated oxygen sensor (front) inactive	13A-973	Inspection procedure 11: when the engine is hot, it stalls at idle (die out)	13A-1089
DTC P2197: heated oxygen sensor inactive (bank 2 sensor 1)	13B-998	Inspection procedure 11: when the engine is hot, it stalls at idle (die out)	13B-1117
DTC P2228: barometric pressure circuit low input		Inspection procedure 12: the engine stalls when accelerating (pass out)	13A-1092
Multiport fuel injection (MFI) <2.4L engine>	13A-976	Inspection procedure 12: the engine stalls when accelerating (pass out)	13B-1120
Multiport fuel injection (MFI) <3.8L engine>	13B-1001	Inspection procedure 13: the engine stalls when decelerating	13A-1094
DTC P2229: barometric pressure circuit high input		Inspection procedure 13: the engine stalls when decelerating	13B-1122
Multiport fuel injection (MFI) <2.4L engine>	13A-978	Inspection procedure 14: hesitation, sag or stumble .	13A-1096
Multiport fuel injection (MFI) <3.8L engine>	13B-1003	Inspection procedure 14: hesitation, sag or stumble.	13B-1123
DTC P2252: heated oxygen sensor offset circuit low voltage		Inspection procedure 15: acceleration shock	13A-1099
Multiport fuel injection (MFI) <2.4L engine>	13A-981	Inspection procedure 15: acceleration shock	13B-1127
Multiport fuel injection (MFI) <3.8L engine>	13B-1006	Inspection procedure 16: deceleration shock	
DTC P2253: heated oxygen sensor offset circuit high voltage		Multiport fuel injection (MFI) <2.4L engine>	13A-1100
Multiport fuel injection (MFI) <2.4L engine>	13A-1003	Multiport fuel injection (MFI) <3.8L engine>	13B-1128
Multiport fuel injection (MFI) <3.8L engine>	13B-1028	Inspection procedure 17: poor acceleration	13A-1101
DTC P2567: lin communication check by radiator sensor (thermistor error)	13A-1030	Inspection procedure 17: poor acceleration	13B-1129
		Inspection procedure 18: surge	13A-1105
		Inspection procedure 18: surge	13B-1133

Inspection procedure 19: knocking		
Multiport fuel injection (MFI) <2.4L engine>	13A-1109	
Multiport fuel injection (MFI) <3.8L engine>	13B-1137	
Inspection procedure 2: the malfunction indicator lamp (service engine soon or check engine lamp) does not illuminate right after the ignition switch is turned to the "ON" position.		
Multiport fuel injection (MFI) <2.4L engine>	13A-1059	
Multiport fuel injection (MFI) <3.8L engine>	13B-1082	
Inspection procedure 20: dieseling (run-on)	13A-1110	
Inspection procedure 20: dieseling (run-on)	13B-1138	
Inspection procedure 21: too high co and hc concentration when idling		
Multiport fuel injection (MFI) <2.4L engine>	13A-1110	
Multiport fuel injection (MFI) <3.8L engine>	13B-1138	
Inspection procedure 22: transient, mass emission tailpipe test failure	13A-1113	
Inspection procedure 22: transient, mass emission tailpipe test failure	13B-1141	
Inspection procedure 23: purge flow test of the evaporative emission canister failure	13A-1118	
Inspection procedure 23: purge flow test of the evaporative emission canister failure	13B-1146	
Inspection procedure 24: pressure test of the evaporative system failure		
Multiport fuel injection (MFI) <2.4L engine>	13A-1119	
Multiport fuel injection (MFI) <3.8L engine>	13B-1147	
Inspection procedure 25: generator output voltage is low (approximately 12.3 volts).		
Multiport fuel injection (MFI) <2.4L engine>	13A-1120	
Multiport fuel injection (MFI) <3.8L engine>	13B-1148	
Inspection procedure 26: fans (radiator fan, A/C condenser fan) are inoperative		
Multiport fuel injection (MFI) <2.4L engine>	13A-1125	
Multiport fuel injection (MFI) <3.8L engine>	13B-1154	
Inspection procedure 27: power supply system and ignition switch - ig system	13B-1157	
Inspection procedure 27: power supply system and ignition switch-ig system	13A-1129	
Inspection procedure 28: fuel pump system	13A-1140	
Inspection procedure 28: fuel pump system	13B-1168	
Inspection procedure 29: ignition switch-st system and transmission range switch system		
Multiport fuel injection (MFI) <2.4L engine>	13A-1154	
Multiport fuel injection (MFI) <3.8L engine>	13B-1182	
Inspection procedure 3: the malfunction indicator lamp (service engine soon or check engine lamp) remains illuminated and never goes out.		
Multiport fuel injection (MFI) <2.4L engine>	13A-1060	
Multiport fuel injection (MFI) <3.8L engine>	13B-1083	
Inspection procedure 30: ignition circuit system		
Multiport fuel injection (MFI) <2.4L engine>	13A-1159	
Multiport fuel injection (MFI) <3.8L engine>	13B-1187	
Inspection procedure 31: A/C system	13A-1166	
Inspection procedure 31: A/C system	13B-1196	
Inspection procedure 4: cranks, won't start		
Multiport fuel injection (MFI) <2.4L engine>	13A-1062	
Multiport fuel injection (MFI) <3.8L engine>	13B-1085	
Inspection procedure 5: starts up and dies	13A-1067	
Inspection procedure 5: starts up and dies	13B-1091	
Inspection procedure 6: hard starting		
Multiport fuel injection (MFI) <2.4L engine>	13A-1072	
Multiport fuel injection (MFI) <3.8L engine>	13B-1098	
Inspection procedure 7: unstable idle (rough idle, hunting).		
Multiport fuel injection (MFI) <2.4L engine>	13A-1077	
Multiport fuel injection (MFI) <3.8L engine>	13B-1106	
Inspection procedure 8: idle speed is high (improper idle speed)	13A-1082	
Inspection procedure 8: idle speed is high (improper idle speed)	13B-1110	
Inspection procedure 9: idle speed is low (improper idle speed).		
Multiport fuel injection (MFI) <2.4L engine>	13A-1084	
Multiport fuel injection (MFI) <3.8L engine>	13B-1112	
Troubleshooting strategy		
Multiport fuel injection (MFI) <2.4L engine>	13A-5	
Multiport fuel injection (MFI) <3.8L engine>	13B-5	

O

Oil pan		
Inspection	11A-39	
Removal and installation	11A-37	
Oil pan and oil pump		
Inspection		
Engine overhaul <2.4L engine>	11B-50	
Engine overhaul <3.8L engine>	11F-49	
Removal and installation		
Engine overhaul <2.4L engine>	11B-40	
Engine overhaul <3.8L engine>	11F-43	
Oil pan and oil screen		
Inspection	11E-49	
Removal and installation	11E-46	
Oil pump		
Disassembly and assembly		
Automatic transaxle overhaul <F4A4B>	23B-49	
Automatic transaxle overhaul <F5A5A>	23C-52	
On-vehicle service	11E-7	
On-vehicle service		
A/T control component layout	23A-390	
A/C compressor clutch test	55A-142	
Accuracy check of occupant classification sensor	52B-422	
Auto-dimming feature test	52A-14	
Automatic transaxle control component check		
A/T control relay check	23A-403	
Crankshaft position sensor check	23A-402	
Solenoid valve check	23A-403	
Stoplight switch check	23A-403	
Transmission fluid temperature sensor check	23A-402	
Transmission range switch check	23A-403	
Auto-tensioner check	11A-8	
Ball joint dust cover check	33-8	
Ball joint dust cover inspection	34-8	
Bleeding	35A-16	
Brake booster operating test	35A-14	
Brake fluid level sensor check	35A-16	
Brake fluid pressure sensor calibration	35C-214	
Brake pedal check and adjustment	35A-13	
Charging	55A-143	
Check valve operation check	35A-15	
Component location		
Multiport fuel injection (MFI) <2.4L engine>	13A-1212	
Multiport fuel injection (MFI) <3.8L engine>	13B-1244	
Compression pressure check		
Engine mechanical <2.4L engine>	11A-14	
Engine mechanical <3.8L engine>	11E-17	

Compressor drive belt adjustment.....	55A-143	Fuel tank differential pressure sensor check	13C-9
Compressor noise check	55A-145	G and yaw rate sensor calibration	35C-212
Curb idle speed check		Heated oxygen sensor check	
Engine mechanical <2.4L engine>	11A-12	Multiport fuel injection (MFI) <2.4L engine>	13A-1225
Engine mechanical <3.8L engine>	11E-15	Multiport fuel injection (MFI) <3.8L engine>	13B-1255
Customization function	54B-586	Hub bolt replacement	
Disc brake pad check and replacement	35A-17	Front axle	26-9
Disc brake rotor check	35A-19	Rear axle	27-5
Drive belt (for generator, power steering oil pump and air conditioning) tension check and adjustment	11E-7	Hydraulic unit check	35C-209
Drive belt tension check		Idle mixture check	
Engine mechanical <2.4L engine>	11A-7	Engine mechanical <2.4L engine>	11A-13
Power steering	37-19	Engine mechanical <3.8L engine>	11E-16
EGR valve check		Idle-up operation check	55A-147
Multiport fuel injection (MFI) <2.4L engine>	13A-1230	Ignition timing check	
Multiport fuel injection (MFI) <3.8L engine>	13B-1259	Engine mechanical <2.4L engine>	11A-11
Engine coolant concentration test	14-9	Engine mechanical <3.8L engine>	11E-14
Engine coolant leak check	14-6	In the event of a discharged battery	35C-212
Engine coolant replacement	14-7	Injector check	
Engine coolant temperature sensor check		Multiport fuel injection (MFI) <2.4L engine>	13A-1228
Multiport fuel injection (MFI) <2.4L engine>	13A-1225	Multiport fuel injection (MFI) <3.8L engine>	13B-1257
Multiport fuel injection (MFI) <3.8L engine>	13B-1254	Intake air temperature sensor check	
Engine oil check	12-3	Multiport fuel injection (MFI) <2.4L engine>	13A-1224
Engine oil control valve check		Multiport fuel injection (MFI) <3.8L engine>	13B-1254
Multiport fuel injection (MFI) <2.4L engine>	13A-1229	Key interlock and shift lock mechanism check	23A-405
Multiport fuel injection (MFI) <3.8L engine>	13B-1258	Lash adjuster check	11E-19
Engine oil filter replacement	12-4	Leveling valve check	13C-11
Engine oil pressure check	12-6	Lower arm ball joint end play check	33-8
Engine oil replacement	12-3	Lower arm pillow ball bushing end play check	34-8
Essential service		Manifold vacuum check	
Flushing coolers and tubes	23A-397	Engine mechanical <2.4L engine>	11A-16
Oil cooler flow check	23A-399	Engine mechanical <3.8L engine>	11E-18
Transmission fluid change	23A-394	Multiport fuel injection (MFI) relay and throttle actuator control motor relay continuity check	
Transmission fluid check	23A-393	Multiport fuel injection (MFI) <2.4L engine>	13A-1223
Transmission range switch and control cable adjustment	23A-400	Multiport fuel injection (MFI) <3.8L engine>	13B-1253
Transmission range switch check	23A-400	Oil pump pressure test	37-24
Evaporative emission purge solenoid check		Parking brake lever stroke check and adjustment	36-3
Multiport fuel injection (MFI) <2.4L engine>	13A-1230	Parking brake lining seating procedure	36-5
Multiport fuel injection (MFI) <3.8L engine>	13B-1259	Parking brake switch check	36-5
Evaporative emission ventilation solenoid check		Performance test	55A-144
Multiport fuel injection (MFI) <2.4L engine>	13A-1230	Power relay check	55A-146
Multiport fuel injection (MFI) <3.8L engine>	13B-1259	Power steering pressure switch check	37-25
Fan control relay continuity check	14-9	Power steering system air bleeding	37-21
Fluid level check	37-19	Radiator cap pressure check	14-6
Fluid replacement	37-20	Radiator fan motor check	14-10
Front wheel alignment check and adjustment	33-6	Radiator fan relay check	14-10
Fuel level sensor check	13C-7	Rear hub rotary-sliding resistance check	27-5
Fuel level sensor replacement	13C-7	Rear suspension bushing replacement	27-6
Fuel pressure test		Rear wheel alignment check and adjustment	34-6
Multiport fuel injection (MFI) <2.4L engine>	13A-1218	Reduce pressurized fuel lines	
Multiport fuel injection (MFI) <3.8L engine>	13B-1250	Multiport fuel injection (MFI) <2.4L engine>	13A-1220
Fuel pump module replacement	13C-7	Multiport fuel injection (MFI) <3.8L engine>	13B-1252
Fuel pump operation check		Refrigerant leak repair procedure	55A-145
Multiport fuel injection (MFI) <2.4L engine>	13A-1221	Refrigerant level test	55A-142
Multiport fuel injection (MFI) <3.8L engine>	13B-1252	Rocker arm piston operation check	11A-10
Fuel supply	13C-7	Rocker arm piston operation check <intake side>	11E-12
Fuel pump relay continuity check		Selector lever operation check	23A-405
Multiport fuel injection (MFI) <2.4L engine>	13A-1224	Simple inspection of the A/C pressure sensor	55A-142
Multiport fuel injection (MFI) <3.8L engine>	13B-1253	Stationary steering effort check	37-19

Steering angle check	37-17	Engine overhaul <3.8L engine>	11F-50
Steering column shaft assembly shock absorbing mechanism check	37-26	Planetary gear	
Steering wheel free play check	37-16	Disassembly and assembly	
Steering wheel return to center check	37-19	Automatic transaxle overhaul <F4A4B>	23B-57
Steering wheel sensor calibration	35C-213	Automatic transaxle overhaul <F5A5A>	23B-57
Throttle actuator control motor check		Post-collision diagnosis	52B-415
Multiport fuel injection (MFI) <2.4L engine>	13A-1228	Power distribution system	90-22
Multiport fuel injection (MFI) <3.8L engine>	13B-1258	Power seat	90-256
Throttle body (throttle valve area) cleaning		Power steering diagnosis	
Multiport fuel injection (MFI) <2.4L engine>	13A-1217	Introduction to power steering diagnosis	37-4
Multiport fuel injection (MFI) <3.8L engine>	13B-1249	Power steering diagnosis troubleshooting strategy	37-4
Tie rod end ball joint dust cover check	37-17	Symptom chart	37-4
Tie rod end ball joint rotation torque check	37-18	Symptom procedures	
Tire inflation pressure check	31-55	Inspection procedure 1: excessive play of steering wheel	37-5
Tire wear check	31-55	Inspection procedure 10: oil leakage from hose connection	37-11
Toe control arm ball joint end play check	34-8	Inspection procedure 11: oil leakage from hose assembly	37-11
TPMS special function		Inspection procedure 12: oil leakage from oil reservoir	37-12
Tire pressure sensor check	31-58	Inspection procedure 13: oil leakage from oil pump ..	37-12
Tire pressure sensor id check	31-57	Inspection procedure 14: oil leakage from steering gear	37-12
Tire pressure sensor id registration	31-56	Inspection procedure 2: difficult steering wheel operation (insufficient power assist)	37-6
Transaxle control cable adjustment	23A-407	Inspection procedure 3: rattling noise	37-8
Valve clearance check and adjustment		Inspection procedure 4: shrill noise	37-8
Engine mechanical <2.4L engine>	11A-10	Inspection procedure 5: squealing noise	37-9
Engine mechanical <3.8L engine>	11E-12	Inspection procedure 6: hissing noise	37-9
Wheel bearing end play check		Inspection procedure 7: droning noise	37-9
Front axle	26-8	Inspection procedure 8: squeaking noise	37-10
Rear axle	27-5	Inspection procedure 9: vibration	37-11
Wheel runout check	31-56	Power steering gear box and linkage	
Wheel speed sensor output voltage measurement	35C-207	Disassembly and assembly	37-42
Other devices	70-19	Inspection	
Other parts		Power steering	37-41
Other parts maintenance service points	55B-22	Power steering	37-55
Output shaft		Removal and installation	37-35
Disassembly and assembly	23B-61	Power steering hoses	
Overall configuration diagram	80A-2	Removal and installation	37-59
		Power steering oil pump assembly	
		Inspection	37-58
		Power steering pressure switch replacement	37-58
		Removal and installation <2.4L engine>	37-56
		Removal and installation <3.8L engine>	37-57
		Power windows	90-130
		Powertrain control module (PCM)	
		Removal and installation	
		Multiport fuel injection (MFI) <2.4L engine>	13A-1236
		Multiport fuel injection (MFI) <3.8L engine>	13B-1264
		Precautions before service	
		Application of anti-corrosion agents and undercoats	00-30
		Form-in-place gasket (fipg)	00-30
		How to perform vehicle identification number (vin) writing	00-21
		Initialization procedure for learning value in MFI engine	00-27
		Learning procedure for idling in MFI engine	00-28
		Scan tool (M.U.T.-III sub assembly)	00-21
		Servicing electrical system	00-29
		Supplemental restraint system (SRS)	00-20
		Vehicle washing	00-29
		Precautions on how to repair the CAN bus lines	54C-5

P

Parking brake cable	
Removal and installation	36-7
Parking brake diagnosis	
Introduction	36-2
Symptom chart	36-2
Symptom procedures	
Inspection procedure 1: insufficient parking brake function	36-3
Troubleshooting strategy	36-2
Parking brake lever	
Removal and installation	36-6
Parking brake lining and drum	
Inspection	36-11
Removal and installation	36-8
Piston and connecting rod	11B-52
Piston and connecting rod	
Inspection	
Engine overhaul <2.4L engine>	11B-59
Engine overhaul <3.8L engine>	11F-57
Removal and installation	
Engine overhaul <2.4L engine>	11B-52

R

Radiator.....	14-11	Inspection procedure 24: only the satellite radio cannot be heard normally.....	54A-243
Radiator		Inspection procedure 25: cd can not be inserted.....	54A-247
Removal and installation	14-11	Inspection procedure 26: No sound (cd only).	54A-248
Radiator grille		Inspection procedure 27: cd sound skips.....	54A-249
Removal and installation	51-5	Inspection procedure 28: sound quality is poor.....	54A-250
Radio and cd player		Inspection procedure 29: cd cannot be ejected.	54A-250
Amplifier		Inspection procedure 3: the system does not recognize the remote controlled radio switch (RH) only. <vehicles with audio amplifier>	54A-182
Removal and installation.....	54A-257	Inspection procedure 4: the system does not recognize the remote controlled radio switch (LH) only.<vehicles with audio amplifier>	54A-184
Antenna		Inspection procedure 5: No sound. <vehicles with audio amplifier>	54A-187
Removal and installation.....	54A-260	Inspection procedure 6: No sound from one speaker. <vehicles without audio amplifier>	54A-192
Aux adapter		Inspection procedure 7: No sound from one speaker. <vehicles with audio amplifier>	54A-205
Aux adapter inspection	54A-262	Inspection procedure 8: the sound of external input is not played.	54A-223
Removal and installation		Inspection procedure 9: noise is present while moving (am).....	54A-226
Chassis electrical.....	54A-261	Rear axle diagnosis	
Chassis electrical.....	54A-262	Introduction to rear axle diagnosis.....	27-2
General description	54A-164	Rear axle diagnostic troubleshooting strategy.....	27-2
On-vehicle service		Symptom procedures.....	27-3
Speaker test.....	54A-250	Rear axle hub assembly	
Speaker test <vehicles with mmcs>.....	54A-251	Inspection	27-8
Radio and cd player		Removal and installation.....	27-7
Removal and installation.....	54A-253	Rear bumper assembly	
Radio with cd player, speaker and antenna diagnosis		Removal and installation.....	51-4
Audio system diagnostic troubleshooting strategy....	54A-166	Rear combination light	
Introduction to audio system diagnosis.....	54A-164	Diagnosis	54A-137
Satellite radio tuner and antenna <vehicles with satellite radio> removal and installation.....	54A-259	Rear combination light	
Speaker		Rear combination light removal and installation	54A-137
Removal and installation.....	54A-256	Trunk lid light removal and installation	54A-138
Special tool	54A-252	Rear seat assembly	
Steering wheel audio remote control switch		Disassembly and assembly	52A-44
Inspection	54A-255	Removal and installation.....	52A-42
Removal and installation.....	54A-254	Rear seat belt	
Symptom chart	54A-167	Removal and installation.....	52A-46
Symptom procedures		Rear suspension crossmember	
Inspection procedure 1: when power switch is turned "on," no power is available.....	54A-168	Inspection	34-26
Inspection procedure 10: noise is present while moving (fm).	54A-226	Removal and installation.....	34-23
Inspection procedure 11: sound mixed with noise, only at night (am).	54A-227	Rear suspension diagnosis	
Inspection procedure 12: noise is overpowering both am and fm.....	54A-228	Introduction to rear suspension diagnosis	34-2
Inspection procedure 13: excessive noise on am and fm.	54A-229	Rear suspension diagnostic troubleshooting strategy ...	34-2
Inspection procedure 14: noise is detected with engine running.....	54A-230	Symptom chart.....	34-3
Inspection procedure 15: noise appears during vibration or shocks.....	54A-232	Symptom procedures	
Inspection procedure 16: noise is present while moving (fm).	54A-233	Inspection procedure 1: squeaks or other abnormal noise	34-3
Inspection procedure 17: constant noise.	54A-234	Inspection procedure 2: poor ride	34-4
Inspection procedure 18: No reception (am).	54A-235	Inspection procedure 3: body tilting	34-4
Inspection procedure 19: poor reception.	54A-236	Rear view camera.....	90-208
Inspection procedure 2: when remote controlled radio power switch is turned "ON", no power is available, but radio, cd player and cd changer power switch is available. <vehicles with audio amplifier>	54A-174	Rear view camera	
Inspection procedure 20: distortion on am and/or fm.	54A-237	General description.....	54A-152
Inspection procedure 21: distortion on fm only.	54A-238	On-vehicle service	
Inspection procedure 22: auto select function inoperative, too few automatic stations are selected.	54A-238	Camera setting.....	54A-162
Inspection procedure 23: preset stations are erased.	54A-240	Removal and installation.....	54A-163
		Special tools.....	54A-154
		Symptom procedures	
		Rear view camera image is not correctly displayed...	54A-156

Trouble symptom chart.....	54A-155	Side impact sensor	
Rear window defogger and door mirror heater.....	90-176	Inspection	52B-447
Recommended lubricants and lubricant capacities table ..	00-41	Removal and installation.....	52B-444
Reduction brake piston		Solenoid and solenoid valve	70-20
Disassembly and assembly	23C-77	Spare connector (for rear view camera)	90-299
Refrigerant line		Spare connector (for remote controlled engine starter)	90-298
Removal and installation	55A-167	Special tool	
Relay	70-6	Engine cooling	14-3
Remote controlled mirror.....	90-179	Power plant mount.....	32-3
Reserve terminal for accessory socket and accessory power	90-198	Simplified wiring system (SWS).....	54B-8
Reverse and overdrive clutch		Special tool(s).....	23C-4
Disassembly and assembly		Special tools	
Automatic transaxle overhaul <F4A4B>	23B-52	Engine mechanical <2.4L engine>	11A-4
Automatic transaxle overhaul <F5A5A>	23C-56	Engine overhaul <2.4L engine>	11B-2
Rheostat.....	90-285	Engine mechanical <3.8L engine>	11E-4
Rheostat		Engine overhaul <3.8L engine>	11F-2
Inspection	54A-143	Engine lubrication	12-3
Removal and installation	54A-142	Multiport fuel injection (MFI) <2.4L engine>	13A-1210
Rocker arms and camshaft	11F-28	Multiport fuel injection (MFI) <3.8L engine>	13B-1241
Rocker arms and camshaft		Fuel supply	13C-6
Inspection		Intake and exhaust	15-3
Engine overhaul <2.4L engine>	11B-32	Automatic transaxle	23A-386
Engine overhaul <3.8L engine>	11F-32	Automatic transaxle overhaul <F4A4B>	23B-4
Removal and installation		Front axle.....	26-5
Engine overhaul <2.4L engine>	11B-29	Rear axle	27-4
Engine overhaul <3.8L engine>	11F-28	Wheel and tire.....	31-54
		Front suspension	33-5
		Rear suspension.....	34-5
		Basic brake system.....	35A-12
		Traction control/active stability control system.....	35C-206
		Power steering.....	37-13
		Interior.....	52A-14
		Supplemental restraint system (SRS).....	52B-413
		Controller area network (CAN)	54C-2
		Heater, air conditioning and ventilation.....	55A-140
		Automatic air conditioning.....	55B-18
		Specification(s)	51-46
		Specification(s)	
		Adhesive	51-46
		Adjusting plate, snap ring and spacers	
		Automatic transaxle overhaul <F4A4B>	23B-73
		Automatic transaxle overhaul <F5A5A>	23C-82
		Capacities	14-28
		Component identifications	42-93
		Fastener tightening specifications	
		Fuel supply.....	13C-21
		Engine cooling	14-27
		Intake and exhaust.....	15-24
		Engine electrical.....	16-49
		Engine and emission control.....	17-101
		Automatic transaxle overhaul <F4A4B>	23B-72
		Automatic transaxle overhaul <F5A5A>	23C-80
		Front axle	26-33
		Rear axle.....	27-11
		Power plant mount.....	32-21
		Parking brakes.....	36-12
		Body.....	42-91
		Exterior.....	51-46
		Supplemental restraint system (SRS).....	52B-479

S

Scheduled maintenance table	00-44
Seat belt diagnosis	52A-2
Seat belt warning tone alarm.....	90-276
Seat belts with pre-tensioner	
Inspection	52B-455
Removal and installation	52B-452
Seat slide sensor	
Inspection	52B-458
Removal and installation	52B-456
Second brake	
Disassembly and assembly	
Automatic transaxle overhaul <F4A4B>	23B-60
Automatic transaxle overhaul <F5A5A>	23C-66
Sensor	70-8
Sensors	
Inspection	55B-21
Removal and installation	55B-20
Service precautions	
Supplemental restraint system (SRS)	52B-26
Controller area network (CAN).....	54C-4
Service precautions	
Caution labels.....	55A-5
Shock absorber assembly	
Disassembly and assembly.....	34-17
Inspection	
Rear suspension.....	34-16
Rear suspension.....	34-20
Removal and installation	34-16
Side air dam	
Removal and installation	51-9

Chassis electrical.....	54A-414	Rear suspension.....	34-28
General specifications		Basic brake system.....	35A-37
Engine electrical.....	16-51	Power steering.....	37-64
Automatic transaxle overhaul <F4A4B>.....	23B-72	Heater, air conditioning and ventilation.....	55A-171
Automatic transaxle overhaul <F5A5A>.....	23C-80	Lubricant	
Front axle.....	26-33	Automatic transaxle.....	23A-436
Lubricant		Front suspension.....	33-26
Parking brakes.....	36-12	Rear suspension.....	34-28
Chassis electrical.....	54A-416	Lubricants	
Lubricants.....	26-33	Engine lubrication.....	12-8
Sealant and adhesives.....	42-92	Basic brake system.....	35A-38
Sealants		Power steering.....	37-65
Engine cooling.....	14-28	Heater, air conditioning and ventilation.....	55A-171
Intake and exhaust.....	15-26	Sealant	
Automatic transaxle overhaul <F4A4B>.....	23B-75	Engine lubrication.....	12-8
Automatic transaxle overhaul <F5A5A>.....	23C-84	Power steering.....	37-65
Service specification.....	13C-21	Sealant and adhesive	
Service specifications		Multiport fuel injection (MFI) <2.4L engine>.....	13A-1240
Engine cooling.....	14-28	Multiport fuel injection (MFI) <3.8L engine>.....	13B-1266
Intake and exhaust.....	15-26	Sealants	
Engine electrical.....	16-52	Engine mechanical <2.4L engine>.....	11A-67
Engine and emission control.....	17-101	Engine overhaul <2.4L engine>.....	11B-73
Automatic transaxle overhaul <F4A4B>.....	23B-73	Engine mechanical <3.8L engine>.....	11E-71
Automatic transaxle overhaul <F5A5A>.....	23C-81	Engine overhaul <3.8L engine>.....	11F-72
Front axle.....	26-33	Service specification(s).....	13B-1266
Rear axle.....	27-11	Service specifications	
Parking brakes.....	36-12	Engine mechanical <2.4L engine>.....	11A-67
Body.....	42-92	Engine overhaul <2.4L engine>.....	11B-71
Exterior.....	51-46	Engine mechanical <3.8L engine>.....	11E-70
Supplemental restraint system (SRS).....	52B-480	Engine overhaul <3.8L engine>.....	11F-70
Chassis electrical.....	54A-415	Engine lubrication.....	12-8
Valve body spring identification table		Multiport fuel injection (MFI) <2.4L engine>.....	13A-1240
Automatic transaxle overhaul <F4A4B>.....	23B-73	Automatic transaxle.....	23A-436
Automatic transaxle overhaul <F5A5A>.....	23C-81	Wheel and tire.....	31-65
Specifications.....	11E-67	Front suspension.....	33-26
Specifications		Rear suspension.....	34-28
Fastener tightening specification.....	35C-224	Basic brake system.....	35A-38
Fastener tightening specifications		Traction control/active stability control system.....	35C-224
Engine mechanical <2.4L engine>.....	11A-65	Power steering.....	37-64
Engine overhaul <2.4L engine>.....	11B-68	Interior.....	52A-47
Engine mechanical <3.8L engine>.....	11E-67	Heater, air conditioning and ventilation.....	55A-171
Engine overhaul <3.8L engine>.....	11F-66	SRS air bag diagnosis	
Engine lubrication.....	12-8	Accuracy testing of occupant classification sensor.....	52B-412
Multiport fuel injection (MFI) <2.4L engine>.....	13A-1238	Actuator test reference table.....	52B-412
Multiport fuel injection (MFI) <3.8L engine>.....	13B-1265	Data list reference table.....	52B-411
Automatic transaxle.....	23A-434	Diagnostic function.....	52B-30
Front suspension.....	33-25	Diagnostic trouble code chart.....	52B-33
Rear suspension.....	34-27	Diagnostic trouble code procedures	
Basic brake system.....	35A-37	DTC 1403: driver's air bag module (1st squib) system fault for power supply circuit (short-circuited to power supply).....	52B-64
Interior.....	52A-47	DTC 1483: driver's air bag module (2nd squib) system fault for power supply circuit (short-circuited to power supply).....	52B-64
Heater, air conditioning and ventilation.....	55A-171	DTC B1400: driver's air bag module (1st squib) system fault 1 (short circuit between terminals of the squib circuit).....	52B-39
General specification(s)		DTC B1401: driver's air bag module (1st squib) system fault 2 (open in the squib circuit).....	52B-49
Multiport fuel injection (MFI) <2.4L engine>.....	13A-1239	DTC B1481: driver's air bag module (2nd squib) system fault 2 (open in the squib circuit).....	52B-49
Multiport fuel injection (MFI) <3.8L engine>.....	13B-1265	DTC B1402: driver's air bag module (1st squib) system fault for ground circuit (short-circuited to ground).....	52B-56
General specifications		DTC 1482: driver's air bag module (2nd squib) system fault for ground circuit (short-circuited to ground).....	52B-56
Engine overhaul <2.4L engine>.....	11B-70		
Engine overhaul <3.8L engine>.....	11F-69		
Wheel and tire.....	31-64		
Front suspension.....	33-26		

DTC B1404: driver's air bag module (1st squib ignition drive circuit) system detected short circuit	DTC B1405: driver's air bag module (1st squib ignition drive circuit) system detected open circuit	DTC B1414: passenger's (front) air bag module (1st squib) system fault 1 (short circuit between terminals of the squib circuit)	DTC B1406: front impact sensor (RH) system for fault 1	DTC B1416: front impact sensor (LH) system for fault 1 ...	DTC B1407: front impact sensor (RH) power supply circuit system	DTC B1408: front impact sensor (RH) (squib) for power supply circuit	DTC B1409: front impact sensor (RH) (squib) for communication system	DTC B1410: passenger's (front) air bag module (1st squib) system fault 1 (short circuit between terminals of the squib circuit)	DTC B1490: passenger's (front) air bag module (2nd squib) system fault 1 (short circuit between terminal	DTC B1411: passenger's (front) air bag module (1st squib) system fault 2 (open in the squib circuit)	DTC B1491: passenger's (front) air bag module (2nd squib) system fault 2 (open in the squib circuit)	DTC B1412: passenger's (front) air bag module (1st squib) system fault for ground circuit (short-circuited to ground)	DTC B1492: passenger's (front) air bag module (2nd squib) system fault for ground circuit (short-circuited to ground)	DTC B1413: passenger's (front) air bag module (1st squib) system fault for power supply circuit (short-circuited to power supply)	DTC B1493: passenger's (front) air bag module (2nd squib) system fault for power supply circuit (short	DTC B1417: front impact sensor (LH) power supply circuit system	DTC B1418: front impact sensor (LH) (squib) for power supply circuit	DTC B1419: front impact sensor (LH) (squib) for communication system	DTC B1420: side-airbag module (RH) (squib) system fault 1 (short circuit between terminals of the squib circuit)	DTC B1421: side-airbag module (RH) (squib) system fault 2 (open in the squib circuit)	DTC B1422: side-airbag module (RH) (squib) system fault ground circuit (short-circuited to ground)	DTC B1423: side-airbag module (RH) (squib) system fault power supply circuit (short-circuited to power supply)	DTC B1426: side impact sensor (front) (RH) system for fault 1	DTC B1436: side impact sensor (front) (LH) system for fault 1	DTC B1427: side impact sensor (front) (RH) power supply circuit system	DTC B1428: side-impact sensor (front) (RH) (squib) for power supply circuit	DTC B1429: side-impact sensor (front) (RH) (squib) for communication system	DTC B1430: side-airbag module (LH) (squib) system fault 1 (short circuit between terminals of the squib circuit)	DTC B1431: side-airbag module (LH) (squib) system fault 2 (open in the squib circuit)	DTC B1432: side-airbag module (LH) (squib) system fault ground circuit (short-circuited to ground)	DTC B1433: side-airbag module (LH) (squib) system fault power supply circuit (short-circuited to power supply)	DTC B1437: side impact sensor (front) (LH) power supply circuit system	DTC B1438: side impact sensor (front) (LH) (squib) for power supply circuit	DTC B1439: side impact sensor (front) (LH) (squib) for communication system	DTC B1440: curtain air bag module (RH) (squib) system fault 1 (short circuit between terminals of the squib circuit)	DTC B1441: curtain air bag module (RH) (squib) system fault 2 (open in the squib circuit)	DTC B1442: curtain air bag module (RH) (squib) system fault ground circuit (short-circuited to ground)	DTC B1443: curtain air bag module (RH) (squib) system fault power supply circuit (short-circuited to power supply)	DTC B1446: side impact sensor (rear) (RH) system for fault 1	DTC B1456: side impact sensor (rear) (LH) system for fault 1	DTC B1447: side impact sensor (rear) (RH) power supply circuit system	DTC B1448: side impact sensor (rear) (RH) (squib) for power supply circuit	DTC B1449: side impact sensor (rear) (RH) (squib) for communication system	DTC B1450: curtain air bag module (LH) (squib) system fault 1 (short circuit between terminals of the squib circuit)	DTC B1451: curtain air bag module (LH) (squib) system fault 2 (open in the squib circuit)	DTC B1452: curtain air bag module (LH) (squib) system fault ground circuit (short-circuited to ground)	DTC B1457: side impact sensor (rear) (LH) power supply circuit system	DTC B1458: side impact sensor (rear) (LH) (squib) for power supply circuit	DTC B1459: side impact sensor (rear) (LH) (squib) for communication system	DTC B1460: seat belt pre-tensioner (RH) (squib) system fault 1 (short circuit between terminals of the squib circuit)	DTC B1461: seat belt pre-tensioner (RH) (squib) system fault 2 (open in the squib circuit)	DTC B1462: seat belt pre-tensioner (RH) (squib) system fault for ground circuit (short-circuit to ground)	DTC B1463: seat belt pre-tensioner (RH) (squib) system fault for power supply circuit (short-circuited to power supply)	DTC B1470: seat belt pre-tensioner (LH) (squib) system fault 1 (short circuit between terminals of the squib circuit)	DTC B1471: seat belt pre-tensioner (LH) (squib) system fault 2 (open in the squib circuit)	DTC B1472: seat belt pre-tensioner (LH) (squib) system fault for ground circuit (short-circuited to ground)	DTC B1473: seat belt pre-tensioner (LH) (squib) system fault for power supply circuit (short-circuit to power supply)	DTC B1476: ig1 power supply circuit system (fuse No.22 circuit)	DTC B1477: ig1 power supply circuit system (fuse No.23 circuit)	DTC B1486: passenger seat belt warning light drive circuit system fault 2	DTC B1487: passenger seat belt warning light drive circuit system fault 1 (light does not illuminate)	DTC B1487: passenger seat belt warning light drive circuit system fault 1 (light does not switch off)	DTC B1488: passenger air bag off indicator light drive circuit system fault 2	DTC B1489: passenger air bag off indicator light drive circuit system fault 1 (light does not illuminate)	DTC B1489: passenger air bag off indicator light drive circuit system fault 1 (light does not switch off)	DTC B1499: SRS-ECU air bag condition monitor detects deployed air bag	DTC B1506: seat slide sensor system fault 1 (open in the seat slide sensor circuit)	DTC B1507: seat slide sensor system fault ground circuit (short-circuited to ground)	DTC B1508: seat slide sensor system fault power supply circuit (short-circuited to power supply)	DTC B1509: improper installation of SRS-ECU	DTC B1519: connector lock system detects connector unlocked	DTC B1520: seat belt switch (LH) malfunction	DTC B1521: seat belt switch (LH) circuit open (for normal/close terminal)	DTC B1522: seat belt switch (LH) circuit (ground side) shorted (for normal/close terminal)	DTC B1523: seat belt switch (RH) malfunction	DTC B1531: seat belt switch (RH) circuit open (for normal/close terminal)	DTC B1532: seat belt switch (RH) circuit (ground side) shorted (for normal/close terminal)	DTC B1533: occupant classification-ECU malfunction	DTC B1541: occupant classification-ECU calibration malfunction	DTC B1542: occupant classification sensor (S1) malfunction	DTC B1543: occupant classification sensor (S2) malfunction	DTC B1545: occupant classification-ECU for power supply circuit	DTC B1546: occupant classification-ECU for communication system	DTC B1548: CAN communication impossible	DTC B1549: CAN communication error
			52B-72	52B-75	52B-77	52B-82	52B-82	52B-86	52B-86	52B-95	52B-95	52B-102	52B-102	52B-109	52B-109	52B-116	52B-120	52B-120	52B-126	52B-133	52B-138	52B-138	52B-143	52B-148	52B-148	52B-150	52B-154	52B-154	52B-158	52B-165	52B-170	52B-175	52B-180	52B-184	52B-184	52B-188	52B-196	52B-202	52B-208	52B-214	52B-214	52B-216	52B-220	52B-224	52B-232	52B-238	52B-251	52B-255	52B-255	52B-259	52B-266	52B-272	52B-278	52B-284	52B-284	52B-292	52B-298	52B-304	52B-311	52B-311	52B-318	52B-320	52B-328	52B-333	52B-335	52B-343	52B-343	52B-348	52B-350	52B-354	52B-359	52B-364	52B-366	52B-370	52B-370	52B-379	52B-388	52B-388	52B-390	52B-396	52B-396				

DTC B1556: seat slide sensor system for fault 2 (malfunction of seat slide sensor)	52B-397	On-vehicle service	
DTC U1073: bus off	52B-399	Roof lid glass operation current check	42-82
DTC: B1453 curtain air bag module (LH) (squib) system fault power supply circuit (short-circuited to power supply)	52B-244	Sunroof check	42-81
Fail-safe function	52B-412	Sunroof fit adjustment	42-81
Introduction to diagnosis	52B-30	Sunroof initialization	42-82
Passenger air bag off indicator light check	52B-32	Sunroof operation check	42-83
Passenger seat belt warning light check	52B-32	Sunroof timer function check	42-81
SRS warning light check	52B-32	Water test	42-80
Symptom procedures		Special tools	42-80
Inspection procedure 1: communication between scan tool and the SRS-ECU is not possible	52B-402	Sunroof assembly	
Inspection procedure 2: power supply circuit system	52B-404	Disassembly and assembly	42-88
Inspection procedure 3: when the ignition switch is turned to the "ON" position (engine stopped), the SRS warning light does not illuminate. inspection procedure 4: after the ignition switch is turned to the "ON" position, the SRS warning light	52B-408	Inspection	42-87
Trouble symptom chart	52B-401	Removal and installation	42-85
Troubleshooting strategy	52B-30	Sunroof diagnosis	42-80
SRS control unit (SRS-ECU)		Supplemental restraint system (SRS)	90-234
Inspection	52B-434	SWS diagnosis	
Removal and installation	52B-432	General information	
Stabilizer bar		Before carrying out troubleshooting	54B-10
Inspection		Diagnostic function	54B-10
Front suspension	33-25	How to connect SWS monitor	54B-13
Rear suspension	34-22	How to use SWS monitor	54B-15
Removal and installation		SWS diagnostic troubleshooting strategy	54B-13
Front suspension	33-21	How to check ECUS	54B-16
Rear suspension	34-21	Pulse check	54B-25
Starting system	90-28	Service data check	54B-16
Starting system		Symptom chart	54B-57
General description	16-23	Symptom procedures	
Starter motor assembly		Central door locking system	
Disassembly and assembly	16-31	General description concerning central door locking system	54B-136
Inspection		Inspection procedure C-1: central door locking system: the central door locking system does not work at all.	54B-140
Engine electrical	16-28	Inspection procedure C-2: central door locking system: some doors do not lock or unlock.	54B-148
Engine electrical	16-33	Inspection procedure C-3: central door locking system: none of the doors lock and unlock with just the door lock switch operation.	54B-162
Removal and installation <2.4L engine>	16-26	Inspection procedure C-4: central door locking system: none of the doors lock and unlock with just the driver's or front passenger's inside lock knob operation.	54B-164
Removal and installation <3.8L engine>	16-27	Inspection procedure C-5: central door locking system: forgotten key prevention function does not work normally.	54B-166
Starting system diagnosis	16-24	Flasher timer	
Steering column shaft assembly		General description concerning the flasher timer	54B-372
Disassembly and assembly	37-33	Inspection procedure I-1: flasher timer: turn-signal lights do not flash when the turn-signal light switch is turned on.	54B-375
Removal and installation	37-30	Inspection procedure I-2: flasher timer: hazard warning lights do not flash when the hazard warning light switch is turned on.	54B-382
Steering wheel		Inspection procedure I-3: flasher timer: one of the turn-signal lights does not illuminate.	54B-384
Removal and installation	37-28	Inspection procedure I-4: flasher timer: the turn-signal light indicator does not illuminate normally.	54B-398
Steering wheel sensor		Fog light	
Removal and installation	35C-222	General description concerning the fog lights	54B-402
Stoplight	90-118	Inspection procedure J-1: fog light: fog lights do not illuminate when the fog light switch is turned on	54B-405
Strut assembly		Inspection procedure J-2: fog light: fog lights do not go out when the headlights (low-beam) are turned off while the fog lights are on.	54B-411
Disassembly and assembly	33-11	Inspection procedure J-3: fog light: one of the fog lights does not illuminate.	54B-411
Inspection		Inspection procedure J-4: fog light: the fog light indicator does not illuminate normally.	54B-418
Front suspension	33-15		
Front suspension	33-10		
Removal and installation	33-9		
Strut tower bar			
Removal and installation	42-14		
Sunroof	90-214		
Sunroof assembly			
General information	42-80		

Headlight and taillight

General description concerning the headlights and taillights	54B-298
Inspection procedure H-1: headlight and taillight: the taillights do not illuminate normally.	54B-304
Inspection procedure H-10: headlight and taillight: headlight dimmer switch automatic resetting function does not work normally.	54B-368
Inspection procedure H-11: headlight and taillight: daytime running light function does not work normally.	54B-369
Inspection procedure H-2: headlight and taillight: the headlights (low-beam) do not illuminate normally.	54B-309
Inspection procedure H-3: headlight and taillight: the headlights (high-beam) do not illuminate normally.	54B-314
Inspection procedure H-4: headlight and taillight: when the passing switch is turned "on," the headlights (low-beam and high-beam) do not illuminate.	54B-318
Inspection procedure H-5: headlight and taillight: the headlamps illuminate at low-beam (high-beam does not illuminate) regardless of the lighting switch positions.	54B-320
Inspection procedure H-6: headlight and taillight: the taillights, the front parking lights, the front side marker lights or the license plate light do not illuminate.	54B-322
Inspection procedure H-7: headlight and taillight: one of the headlights does not illuminate.	54B-353
Inspection procedure H-8: headlight and taillight: the high-beam indicator light does not illuminate.	54B-362
Inspection procedure H-9: headlight and taillight: headlight automatic shutoff function does not work normally.	54B-366
Inspection procedure A-1: communication with the SWS monitor kit is not possible.	54B-64
Inspection procedure A-2: communication with the column switch (column-ECU) is not possible.	54B-71
Inspection procedure A-3: communication with the ETACS-ECU is not possible.	54B-79
Inspection procedure A-4: communication with the front-ECU is not possible.	54B-87
Inspection procedure A-5: communication with the sunroof-ECU is not possible.	54B-95
Inspection procedure L-1: can not customize the functions by operating the multi-center display (mitsubishi multi communication system).	54B-474

Interior light

General description concerning the interior light	54B-422
Inspection procedure K-1: interior light: the dome light do not illuminate and go out normally.	54B-428
Inspection procedure K-2: interior light: the map light, rear dome light or trunk light do not illuminate or go out normally.	54B-435
Inspection procedure K-3: interior light: dome light dimming function does not work normally.	54B-447
Inspection procedure K-4: interior light: the ignition key hole illumination light does not illuminate or go out normally.	54B-452
Inspection procedure K-5: interior light: the interior light automatic shutoff function does not work normally.	54B-461
Inspection procedure K-6: interior light: the door ajar indicator lights do not illuminate or go out normally.	54B-466
Inspection procedure K-7: interior light: the seat belt warning light do not illuminate or go out normally.	54B-470

Keyless entry system

General description concerning the keyless entry system	54B-218
Inspection procedure E-1: keyless entry system: keyless entry system does not operate.	54B-223
Inspection procedure E-2: keyless entry system: the dome light, the turn-signal lights and the horn do not operate through the answer-back function.	54B-225
Inspection procedure E-3: keyless entry system: encrypted code cannot be registered.	54B-236
Inspection procedure E-4: keyless entry system: the trunk is not opened when the keyless entry transmitter "TRUNK" button is operated.	54B-238

Power windows

General description concerning the power windows.	54B-170
Inspection procedure D-1: power windows: power windows do not work at all.	54B-174
Inspection procedure D-2: power window: the power window timer function does not work normally.	54B-186
Inspection procedure D-3: power window: only the front door window (LH) does not work by operating power window main switch.	54B-189
Inspection procedure D-4: power window: power windows do not work normally by operating the front passenger's or rear passenger's sub switches.	54B-193
Inspection procedure D-5: power window: front or rear passenger's power windows do not work at all by operating the power window main switch.	54B-216

Sunroof

General description concerning the sunroof	54B-243
Inspection procedure F-1: sunroof: sunroof does not operate.	54B-245
Inspection procedure F-2: sunroof: one of the sunroof switch positions is defective.	54B-257
Inspection procedure F-3: sunroof: sunroof timer function does not work normally.	54B-258

Theft-alarm system

General description concerning the theft-alarm system	54B-477
Inspection procedure O-1: theft-alarm system: theft-alarm system is not armed (theft-alarm indicator does not illuminate).	54B-481
Inspection procedure O-2: theft-alarm system: the theft-alarm system is not armed.	54B-490
Inspection procedure O-3: theft-alarm system: horn does not sound when the theft-alarm system is triggered.	54B-493
Inspection procedure O-4: theft-alarm system: headlights (high-beam) do not flash when the theft-alarm system is triggered.	54B-493
Inspection procedure O-5: theft-alarm system: panic alarm function does not work.	54B-494

Tone alarm

General description concerning the tone alarm	54B-104
Inspection procedure B-1: tone alarm: ignition key reminder tone alarm function does not work normally.	54B-111
Inspection procedure B-2: tone alarm: light reminder tone alarm function does not work normally.	54B-114
Inspection procedure B-3: tone alarm: seat belt tone alarm function does not work normally.	54B-118
Inspection procedure B-4: tone alarm: door ajar warning buzzer function does not work normally.	54B-123
Inspection procedure B-5: tone alarm: the multi-center display (mitsubishi multi communication system) does not sound normally when it is operated.	54B-129
Inspection procedure B-6: tone alarm: turn-signal light buzzer function does not work normally.	54B-133

Windshield wiper and washer

General description concerning the windshield wiper and washer	54B-262
Inspection procedure G-1: windshield wiper and washer: the windshield wiper do not work at all.	54B-266
Inspection procedure G-2: windshield wiper and washer: the windshield wipers do not work when the windshield wiper switch is at "INT" or "MIST" position or the windshield washer switch is at "ON" position. however, the wipers work at low speed when t ...	54B-274
Inspection procedure G-3: windshield wiper and washer: all of the windshield wiper switch positions are defective.	54B-276
Inspection procedure G-4: windshield wiper and washer: windshield wipers does not stop at the predetermined park position.	54B-280
Inspection procedure G-5: windshield wiper and washer: the windshield intermittent wiper interval cannot be adjusted by using the variable intermittent wiper control switch.	54B-286
Inspection procedure G-6: windshield wiper and washer: the windshield intermittent wiper interval is not changed according to the vehicle speed.	54B-288

Inspection procedure G-7: windshield wiper and washer: the windshield washer does not work. 54B-291

T

Taillight, position light, front side marker light and license plate light.....	90-86
Test equipment	
Supplemental restraint system (SRS)	52B-414
Controller area network (CAN)	54C-3
Theft alarm	
Inspection	54A-414
Removal and installation	54A-413
Theft-alarm system diagnosis	54A-413
Thermostat	
Inspection	14-18
Removal and installation	14-15
Throttle body assembly	
Removal and installation	
Multiport fuel injection (MFI) <2.4L engine>	13A-1234
Multiport fuel injection (MFI) <3.8L engine>	13B-1263
Tightening torque.....	00-38
Timing belt	
Inspection	
Engine mechanical <2.4L engine>	11A-63
Engine overhaul <2.4L engine>.....	11B-20
Engine mechanical <3.8L engine>	11E-66
Engine overhaul <3.8L engine>.....	11F-16
Removal and installation	
Engine mechanical <2.4L engine>	11A-51
Engine overhaul <2.4L engine>.....	11B-11
Engine mechanical <3.8L engine>	11E-58
Engine overhaul <3.8L engine>.....	11F-11
Tire pressure monitoring system (TPMS).....	90-250
Tire pressure monitoring system (TPMS)	
TPMS receiver	
Removal and installation.....	31-60
TPMS transmitter.....	31-61
TPMS transmitter	
Removal and installation.....	31-61
Tire pressure monitoring system (TPMS) diagnosis	
Check at TPMS receiver.....	31-53
Diagnostic trouble code chart.....	31-12
Introduction to diagnosis.....	31-8
TPMS diagnostic function.....	31-9
TPMS diagnostic trouble code procedures.....	31-12
TPMS diagnostic trouble code procedures	
DTC C1608: TPMS abnormality (EEPROM failure) ..	31-14
DTC C1900: TPMS abnormality (id code not registered)	31-12
DTC C1901: TPMS abnormality (vehicle speed signal)	31-15
DTC C1910/C1920/C1930/C1940: TPMS transmitter abnormality (transmitter battery voltage).....	31-17
DTC C1911/C1921/C1931/C1941: TPMS transmitter abnormality (tire pressure sensor id reception failure)	31-19
DTC C1912/C1922/C1932/C1942: TPMS transmitter abnormality (tire air pressure low).....	31-20
TPMS service data list.....	31-52
TPMS special function data list	31-52
TPMS symptom chart.....	31-22
TPMS symptom procedures	
Inspection procedure 1: the TPMS warning light stays on.	31-23

Inspection procedure 2: the TPMS warning light flash for about 1 minute and then remain illuminated.	31-29
Inspection procedure 3: the TPMS warning light does not illuminate as a bulb check for three seconds when the ignition switch is turned to the "ON" position.....	31-33
Inspection procedure 4: in spite of abnormally low tire pressure at a road wheel, the TPMS warning light does not illuminate.	31-47
Inspection procedure 5: communication between the scan tool and the TPMS is not possible.	31-50
TPMS troubleshooting strategy	31-8
TPMS warning light check	31-11
Tire pressure monitoring system (TPMS) service precautions	31-3
Toe control arm	
Inspection	34-14
Removal and installation.....	34-13
Toe control arm ball joint dust cover replacement	34-15
Towing and hoisting	00-31
Trailing arm	
Inspection	34-12
Removal and installation.....	34-12
Transaxle	
Adjustment of transaxle	
Automatic transaxle overhaul <F4A4B>	23B-44
Automatic transaxle overhaul <F5A5A>	23C-47
Disassembly and assembly	
Automatic transaxle overhaul <F4A4B>	23B-8
Automatic transaxle overhaul <F5A5A>	23C-8
Transaxle (transmission) mounting	
Removal and installation.....	32-5
Transaxle assembly	
Removal and installation	
Automatic transaxle	23A-414
Automatic transaxle	23A-422
Transaxle control	
Disassembly and assembly	23A-410
Inspection	
Automatic transaxle	23A-409
Automatic transaxle	23A-411
Removal and installation.....	23A-408
Transmission fluid cooler, hose and pipe	
Removal and installation	
Automatic transaxle	23A-431
Automatic transaxle	23A-432
Trims	
Removal and installation.....	52A-22
Troubleshooting guidelines.....	00-6
Trunk lid	
On-vehicle service	
Adjustment of clearance around trunk lid.....	42-64
Trunk lid height adjustment.....	42-65
Trunk lid latch adjustment	42-65
Symptom chart.....	42-63
Symptom procedures	
Inspection procedure 1: difficult locking and unlocking	42-63
Inspection procedure 2: uneven body clearance	42-64
Inspection procedure 3: uneven height.....	42-64
Trunk lid	
Inspection.....	42-68
Removal and installation.....	42-66

Trunk lid diagnosis		Special tool	42-16
Introduction to trunk lid diagnosis	42-63	Symptom procedures	
Trunk lid diagnostic troubleshooting strategy	42-63	Inspection procedure 1: water leak through windshield/rear window glass.....	42-16
Turn-signal light and hazard warning light.....	90-108	Window glass diagnosis	
		Introduction to window glass diagnosis.....	42-16
		Window glass diagnostic troubleshooting strategy	42-16
		Window glass diagnostic trouble symptom chart.....	42-16
		Windshield	
		Removal and installation.....	42-17
		Windshield wiper and washer.....	90-170
		Windshield wiper and washer	
		General information	51-11
		On-vehicle service	
		Windshield intermittent wiper volume check.....	51-12
		Windshield washer fluid ejection check	51-13
		Special tools.....	51-12
		Windshield washer	
		Inspection.....	51-21
		Removal and installation.....	51-20
		Windshield wiper	
		Inspection.....	51-17
		Removal and installation.....	51-14
		Windshield wiper and washer diagnosis.....	51-11

U	
Under cover	
Removal and installation	51-10
Underdrive clutch and input shaft	
Disassembly and assembly	
Automatic transaxle overhaul <F4A4B>	23B-50
Automatic transaxle overhaul <F5A5A>	23C-53
Universal garage door opener.....	90-297
Upper arm assembly	
Inspection	34-9
Removal and installation	34-9

V	
Valve body	
Disassembly and assembly	
Automatic transaxle overhaul <F4A4B>	23B-66
Automatic transaxle overhaul <F5A5A>	23C-74
Vanity mirror light.....	90-107
Vehicle identification	
Engine model stamping	00-20
Models	00-17
National safety mark <vehicles for canada>.....	00-19
Tire and loading information placard	00-19
Vehicle identification number (vin) plate	00-18
Vehicle safety certification label.....	00-19
Ventilators	
Removal and installation	55A-170

W	
Warning light.....	90-126
Water hose and water pipe	
Inspection	14-27
Removal and installation <2.4L engine>	14-22
Removal and installation <3.8L engine>	14-25
Water pump	
Removal and installation <2.4L engine>	14-19
Removal and installation <3.8L engine>	14-20
Water pump & water hose	
Removal and installation	11F-22
Wheel and tire	
Installation service point	31-59
Wheel and tire replacement <TPMS>	31-59
Wheel and tire diagnosis	
Wheel and tire diagnosis	31-4
Wheel balance accuracy	31-5
Wheel speed sensor	
Inspection	35C-218
Removal and installation	35C-217
Window glass	
General information	42-14
Rear window glass	
Removal and installation.....	42-22

NOTES