# ALPHABETICAL INDEX


## Numerics

3CH CAN GATEWAY ..... LAN-179
3CH CAN GATEWAY SYSTEM ..... LAN-166
3CH CGW BRANCH LINE CIRCUIT ..... LAN-110, LAN-190, LAN-223, LAN-266, LAN-315, LAN-367, LAN-421, LAN-456, LAN-500, LAN-550, LAN-603

## Numerics

4WD BRANCH LINE CIRCUIT LAN-115, LAN-425, LAN-461, LAN-505, LAN-555, LAN-607

## A

A-BAG BRANCH LINE CIRCUIT LAN-111, LAN-191, LAN-224, LAN-267, LAN-316, LAN-368, LAN-422, LAN-457, LAN-501, LAN-551, LAN-604
A/B WARNING LAMP IS OFF, PASS A/B INDCTR LAMP TURNS ON INTERMIT ..... SRC-122
A/C AUTO AMP. ..... HAC-34, HAC-120, ST-9
A/C SWITCH ASSEMBLY ..... HAC-119
ABBREVIATIONS ..... GI-14
ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) ..... BRC-54, BRC-204
ABS BRANCH LINE CIRCUIT . LAN-105, LAN-185, LAN-218, LAN-261, LAN-310, LAN-362, LAN-416, LAN-451, LAN-495, LAN-545, LAN-598
ABS WARNING LAMP ..... BRC-176
ACCELERATOR PEDAL ASSEMBLY ..... ACC-3
ACCESSORY POWER SUPPLY IS NOT SUPPLIED EVEN IF DOOR IS UNLOCKED BY KEY ..... PCS-99
ACCESSORY RELAY ..... PCS-91
ACTION TEST ..... CCS-102, DAS-330
ACTIVE GRILLE SHUTTER ..... EXT-14, EXT-35
ADAS CONTROL UNIT BRC-244, CCS-57, DAS-34, DAS-210, DAS-266
ADAS CONTROL UNIT 2 ..... BRC-252, CCS-65, DAS-42, DAS-211, DAS-274
ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL ..... DLK-113
ADDITIONAL SERVICE WHEN REPLACING ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) ..... BRC-76
ADDITIONAL SERVICE WHEN REPLACING ADAS CONTROL UNIT ..... DAS-61
ADDITIONAL SERVICE WHEN REPLACING ADAS CONTROL UNIT 2 ..... DAS-62
ADDITIONAL SERVICE WHEN REPLACING AROUND VIEW MONITOR CONTROL UNIT .. AV-403
ADDITIONAL SERVICE WHEN REPLACING AUTOMATIC BACK DOOR CONTROL UNIT ... DLK-115
ADDITIONAL SERVICE WHEN REPLACING AWD CONTROL UNIT ..... DLN-39
ADDITIONAL SERVICE WHEN REPLACING BCM DLK-114, WT-23
ADDITIONAL SERVICE WHEN REPLACING CAN GATEWAY ..... LAN-168
ADDITIONAL SERVICE WHEN REPLACING CHASSIS CONTROL MODULE ..... DAS-455
ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT ..... SEC-63
ADDITIONAL SERVICE WHEN REPLACING ECM EC-152
ADDITIONAL SERVICE WHEN REPLACING HPCM HBC-104
ADDITIONAL SERVICE WHEN REPLACING ICC SENSOR ..... BRC-280, CCS-94, DAS-319
ADDITIONAL SERVICE WHEN REPLACING IPDM E/R ..... PCS-35
ADDITIONAL SERVICE WHEN REPLACING LANE CAMERA UNIT ..... BRC-281, DAS-320
ADDITIONAL SERVICE WHEN REPLACING LI-ION BATTERY CONTROLLER ..... HBB-53
ADDITIONAL SERVICE WHEN REPLACING TCM TM-93
ADDITIONAL SERVICE WHEN REPLACING TCM AND TRANSAXLE ASSEMBLY ..... TM-97
ADDITIONAL SERVICE WHEN REPLACING TCU AV-496
ADDITIONAL SERVICE WHEN REPLACING TRACTION MOTOR INVERTER ..... TMS-55
ADDITIONAL SERVICE WHEN REPLACING TRANSAXLE ASSEMBLY ..... TM-95
ADJUSTMENT OF STEERING ANGLE SENSOR NEUTRAL POSITION ..... BRC-77
ADP BRANCH LINE CIRCUIT . LAN-116, LAN-320, LAN-371, LAN-556, LAN-608
ADP SYSTEM SYMPTOMS ..... ADP-100
AIR BAG DIAGNOSIS SENSOR UNIT ..... SR-27
AIR BREATHER ..... DLN-127
AIR BREATHER HOSE ..... TM-220
AIR CLEANER AND AIR DUCT ..... EM-29
AIR CLEANER FILTER ..... EM-22
ALL DOORS DO NOT LOCK/UNLOCK OR TRUNK/BACK DOOR DO NOT OPEN WITH REQUEST SWITCH ..... DLK-260
ALUMINUM REPAIR ..... BRM-96
AMBIENT SENSOR ..... HAC-121
AMBIENT SENSOR SIGNAL CIRCUIT ..... MWI-67
AMP ON SIGNAL CIRCUIT ..... AV-130, AV-331
ANTENNA BASE .. AV-72, AV-155, AV-249, AV-365

ANTI-PINCH FUNCTION DOES NOT OPERATE... RF-37
ANTI-PINCH SYSTEM DOES NOT OPERATE NORMALLY (DRIVER SIDE)..... PWC-56
APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) CONTROL UNITVSP-17, VSP-35
APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) OFF SWITCH .. VSP-37
APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) SYSTEM..... VSP-20
APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) SYSTEM SYMPTOMS . VSP-33
AROUND VIEW MONITOR CONTROL UNIT ..... AV-383, AV-441
AROUND VIEW MONITOR SYSTEM ..... AV-388, AV-438
AUDIO SYSTEM ..... AV-59, AV-137
AUDIO UNITAV-26, AV-64, AV-89, AV-144, AV-459, AV-473
AUTO ACC OUTPUT CIRCUIT..... PCS-93
AUTO LIGHT SYSTEM .....EXL-41, EXL-169
AUTO OPERATION DOES NOT OPERATE . RF-36
AUTO OPERATION DOES NOT OPERATE BUT MANUAL OPERATE NORMALLY (DRIVER SIDE)..... PWC-58
AUTOMATIC AIR CONDITIONING SYSTEM ..... HAC-45
AUTOMATIC BACK DOOR ANTI-PINCH FUNCTION DOES NOT OPERATE ....DLK-286
AUTOMATIC BACK DOOR CLOSE SWITCH..... DLK-239, DLK-346
AUTOMATIC BACK DOOR CONTROL MODULE .. DLK-343
AUTOMATIC BACK DOOR CONTROL UNITDLK-63
AUTOMATIC BACK DOOR FUNCTIONS DO NOT CANCEL .....DLK-285
AUTOMATIC BACK DOOR MAIN SWITCH ..... DLK-241, DLK-344
AUTOMATIC BACK DOOR OPERATION DOES NOT OPERATE .....DLK-277
AUTOMATIC BACK DOOR SWITCH .....DLK-243, DLK-345
AUTOMATIC BACK DOOR SYSTEM .....DLK-99
AUTOMATIC BACK DOOR WARNING BUZZER.... DLK-255
AUTOMATIC BACK DOOR WARNING DOES NOT OPERATE.....DLK-283
AUTOMATIC DRIVE POSITIONER CONTROL UNIT ADP-25, ADP-103
AUTOMATIC DRIVE POSITIONER SYSTEM..... ADP-28
AUTOMATIC SPEED CONTROL DEVICE (ASCD) CCS-211
AUXILIARY INPUT JACK . AV-58, AV-136, AV-225, AV-337
AV BRANCH LINE CIRCUIT ... LAN-139, LAN-287, LAN-338, LAN-393, LAN-522, LAN-574, LAN-630
AV CONTROL UNIT ..... AV-170, AV-239, AV-265, AV-352, AV-382, AV-439, AV-529
AVM BRANCH LINE CIRCUIT LAN-127, LAN-277, LAN-327, LAN-382, LAN-512, LAN-563, LAN-619
AWD CONTROL UNIT.....DLN-23, DLN-72
AWD HIGH TEMP IS DISPLAYED ON INFORMATION DISPLAY..... DLN-67
AWD LOCK SWITCH..... DLN-73
AWD SYSTEM..... DLN-27

**B**

B TERMINAL CIRCUIT..... STR-20
B0001, B0002 DRIVER AIRBAG MODULESRC-43
B0010, B0011 PASSENGER AIRBAG MODULE .... SRC-47
B0020 SIDE AIRBAG MODULE LH .....SRC-50
B0021 SIDE CURTAIN AIR BAG MODULE LH..... SRC-53
B0028 SIDE AIRBAG MODULE RH.....SRC-56
B0029 SIDE CURTAIN AIR BAG MODULE RH ..... SRC-59
B0092 REAR SIDE AIR BAG SATELLITE SENSOR LH .....SRC-62
B0093 FRONT DOOR SATELLITE SENSOR LH.... SRC-67
B0094 CRASH ZONE SENSOR.....SRC-70
B0097 REAR SIDE AIR BAG SATELLITE SENSOR RH .....SRC-73
B0098 FRONT DOOR SATELLITE SENSOR RH ... SRC-77
B00A0 OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT.....SRC-81
B00D5 FRONT PASSENGER AIR BAG OFF INDICATOR .....SRC-88
B120E IPDM E/R .....PCS-40
B121A FRONT FOG LAMP LH POWER SUPPLY CIRCUIT .....EXL-93, EXL-222
B1231 DAYTIME RUNNING LIGHT RH POWER SUPPLY CIRCUIT .....EXL-94, EXL-223
B1256 FRONT FOG LAMP RH POWER SUPPLY CIRCUIT .....EXL-95, EXL-224
B130D TCU .....AV-499
B1310 TCU .....AV-501
B13D9 TCU .....AV-502
B1400, B1401, B1402, B1403, B1404, B1405 AIR BAG DIAGNOSIS SENSOR UNIT .....SRC-91
B1406, B1407, B1408, B1409, B1410 AIR BAG DIAGNOSIS SENSOR UNIT .....SRC-93
B1411, B1412, B1413, B1414, B1415 AIR BAG DIAGNOSIS SENSOR UNIT .....SRC-95

B1416, B1417, B1418, B1419, B1420 AIR BAG DIAGNOSIS SENSOR UNIT ..... SRC-97
B1427 CONFIG SETTING .....SRC-114
B1428 SEAT BELT BUCKLE SWITCH LH. SRC-99
B1429 SEAT BELT BUCKLE SWITCH RHSRC-102
B142A IGNITION VOLTAGE .....SRC-112
B142X COLLISION DETECTION .....SRC-115
B1430, B1432 SEAT BELT PRE-TENSIONER LH . SRC-105
B1431, B1433 SEAT BELT PRE-TENSIONER RH. SRC-109
B20CB DAYTIME RUNNING LIGHT LH POWER SUPPLY CIRCUIT..... EXL-96, EXL-225
B20CE HEADLAMP (HI) LH POWER SUPPLY CIRCUIT ..... EXL-97, EXL-226
B20CF HEADLAMP (HI) RH POWER SUPPLY CIRCUIT ..... EXL-98, EXL-227
B20D0 HEADLAMP (LO) LH POWER SUPPLY CIRCUIT ..... EXL-99, EXL-228
B20D1 HEADLAMP (LO) RH POWER SUPPLY CIRCUIT ..... EXL-100, EXL-229
B20D2 PARKING LAMP POWER SUPPLY CIRCUIT EXL-101, EXL-230
B20D4 TAIL LAMP LH POWER SUPPLY CIRCUIT EXL-103, EXL-232
B20D5 TAIL LAMP RH POWER SUPPLY CIRCUIT EXL-104, EXL-233
B20DD IGNITION RELAY ON CIRCUIT .....PCS-42
B20DE IGNITION RELAY OFF CIRCUIT ...PCS-44
B20E2 LED HEADLAMP RH ..... EXL-234
B20E3 LED HEADLAMP LH ..... EXL-235
B2112 SLIDING MOTOR .....ADP-48
B2113 RECLINING MOTOR .....ADP-50
B2128 UART COMMUNICATION LINE .....ADP-52
B2130 EEPROM .....ADP-54
B2192 ID DISCORD, BCM-ECM .....SEC-68
B2193 CHAIN OF BCM-ECM .....SEC-70
B2195 ANTI-SCANNING .....SEC-72
B2198 NATS ANTENNA AMP. .....SEC-74
B2205 VEHICLE SPEED .....MWI-58
B2267 ENGINE SPEED.....MWI-59
B2268 WATER TEMP .....MWI-60
B2323 ILLUMINATION CONTROL SIGNALMWI-61
B2401 IGNITION POWER SUPPLY CIRCUIT..... DLK-119
B2409 HALF LATCH SWITCH..... DLK-121
B2416 TOUCH SENSOR RH..... DLK-125
B2417 TOUCH SENSOR LH ..... DLK-129
B2419 OPEN SWITCH ..... DLK-133
B2420 CLOSE SWITCH ..... DLK-137
B2422 BACK DOOR STATE ..... DLK-141
B2423 AUTOMATIC BACK DOOR MOTOR OPERATION TIME..... DLK-147
B2426 ENCODER..... DLK-151
B2427 ENCODER..... DLK-157
B2428 AUTOMATIC BACK DOOR CONTROL UNIT DLK-163
B242A CLOSURE CONDITION ..... DLK-164
B242C MOTION ACTIVATED BACK DOOR CONTROL MODULE ..... DLK-171
B242D MOTION ACTIVATED BACK DOOR SENSOR ..... DLK-173
B242E MOTION ACTIVATED BACK DOOR SENSOR ..... DLK-175
B242F ABD BUZZER ..... DLK-177
B24A0-49 A/C AUTO AMP. ..... HAC-66
B24A1-16 A/C AUTO AMP. POWER SUPPLY..... HAC-67
B24A4-11, B24A4-15 INTAKE SENSOR.... HAC-68
B24A6-11, B24A6-15 IN-VEHICLE SENSOR ..... HAC-71
B24A9-11, B24A9-15 SUNLOAD SENSOR HAC-75
B24B4-02 A/C CONTROL..... HAC-78
B24B7-12, B24B7-14 INTAKE DOOR MOTOR..... HAC-79
B24B9-12, B24B9-14 MODE DOOR MOTOR ..... HAC-82
B24BB-12, B24BB-14 LEFT AIR MIX DOOR MOTOR..... HAC-85
B24BD-12, B24BD-14 RIGHT AIR MIX DOOR MOTOR..... HAC-88
B24D3-08 ELECTRIC COMPRESSOR COMMUNICATION ..... HAC-91
B24D4-08 A/C CONTROL COMMUNICATION..... HAC-94
B2556 PUSH-BUTTON IGNITION SWITCHSEC-76
B2557 VEHICLE SPEED ..... SEC-78
B2562 LOW VOLTAGE ..... BCS-65
B2600-46 CONFIG ERROR.....LAN-172
B2600-55 CONFIG ERROR.....LAN-174
B2602 SHIFT POSITION ..... SEC-80
B2604 SHIFT POSITION ..... SEC-83
B2608 STARTER RELAY ..... SEC-86
B260F ENGINE STATUS ..... SEC-87
B261A PUSH-BUTTON IGNITION SWITCHPCS-82
B261B REMOTE ENGINE START .....DLK-179
B261E VEHICLE TYPE..... SEC-89
B2621 INSIDE ANTENNA.....DLK-180
B2622 INSIDE ANTENNA.....DLK-183
B2626 OUTSIDE ANTENNA.....DLK-189
B2627 OUTSIDE ANTENNA.....DLK-192
B2628 OUTSIDE ANTENNA.....DLK-195
B2653-1C ELECTRIC COMPRESSOR ..... HAC-96
B26F1 IGNITION RELAY ..... PCS-85
B26F2 IGNITION RELAY ..... PCS-87
B26FC KEY REGISTRATION ..... SEC-91
B26FE HOOD SWITCH .....DLK-186
B2741 VSP CONTROL UNIT.....VSP-31
B27B5-19, B27B6-13, B27B7-1D, B27BA-19, B27BE-49 ELECTRIC COMPRESSOR HAC-97
B27B8-19 ELECTRIC COMPRESSOR..... HAC-99

B27BB-1C ELECTRIC COMPRESSOR ... HAC-101
B27BC-87 ELECTRIC COMPRESSOR ... HAC-103
B27D1 START CUT RELAY OFF ..... SEC-92
B27D2 START CUT RELAY ON ..... SEC-95
B2E33 TELEMATICS SWITCH ..... AV-503
B2EF0 TCU ..... AV-505
BACK DOOR ..... DLK-311
BACK DOOR CLOSURE MOTOR ..... DLK-254
BACK DOOR FINISHER ..... INT-35
BACK DOOR LOCK ..... DLK-326
BACK DOOR OPENER SWITCH ..... DLK-231
BACK DOOR OUTER FINISHER ..... EXT-63
BACK DOOR REQUEST SWITCH ..... DLK-229
BACK DOOR SWITCH ..... DLK-208
BACK DOOR WARNING CHIME ..... DLK-337
BACK DOOR WINDOW GLASS ..... GW-28
BACK-UP LAMP ..... EXL-74, EXL-202
BACK-UP LAMP ASSEMBLY .... EXL-127, EXL-258
BASIC INSPECTION ..... EC-159
BATTERY ..... PG-119, PG-128
BATTERY CURRENT SENSOR ..... PG-132
BATTERY TERMINAL WITH FUSIBLE LINK PG-131
BCM ... BCS-28, BCS-51, DLK-71, INL-15, PCS-63, RF-11, WT-18
BCM (BODY CONTROL MODULE) ..... ADP-27, BCS-73, DEF-11, MWI-33, PCS-101, PWC-13
BCM BRANCH LINE CIRCUIT . LAN-118, LAN-194, LAN-228, LAN-272, LAN-322, LAN-373, LAN-426, LAN-462, LAN-507, LAN-558, LAN-610
BCM, COMBINATION METER ..... WCS-17
BCM, IPDM E/R ..... EXL-28, EXL-156, WW-19
BLIND SPOT WARNING INDICATOR ..... DAS-406
BLOWER MOTOR ..... HAC-109, VTL-17
BODY ALIGNMENT ..... BRM-147
BODY COMPONENT PARTS ..... BRM-114
BODY CONSTRUCTION ..... BRM-126
BODY EXTERIOR PAINT COLOR ..... BRM-105
BODY SIDE TRIM ..... INT-20
BODY WELDING AND PRECAUTIONS .... BRM-35
BOSE SPEAKER AMP ..... AV-92, AV-147, AV-270, AV-356
BOTH DOORS MIRROR DEFOGGER DON'T OPERATE BUT REAR WINDOW DEFOGGER OPERATES ..... DEF-41
BOTH SIDE FRONT FOG LAMPS ARE NOT TURNED ON ..... EXL-111, EXL-242
BOTH SIDE HEADLAMPS (HI) ARE NOT TURNED ON ..... EXL-108, EXL-239
BOTH SIDE HEADLAMPS (LO) ARE NOT TURNED ON ..... EXL-109, EXL-240
BRAKE BRANCH LINE CIRCUIT ..... LAN-119, LAN-195, LAN-229, LAN-273, LAN-323, LAN-374, LAN-427, LAN-463, LAN-508, LAN-559, LAN-611
BRAKE CONTROL SYSTEM ..... BRC-63
BRAKE FLUID ..... BR-51
BRAKE PEDAL ..... BR-49, BR-57
BRAKE PEDAL POSITION SWITCH ..... EC-548
BRAKE PEDAL STROKE SENSOR ..... BRC-209
BRAKE PEDAL VIBRATION OR OPERATION SOUND OCCURS ..... BRC-193
BRAKE PIPING ..... BR-59
BRAKE SYSTEM ..... BR-20
BRAKE SYSTEM WARNING LAMP ..... BR-47, BRC-179
BRAKE WARNING LAMP ..... BR-45, BRC-177

## C

C1101, C1102, C1103, C1104 WHEEL SENSOR ... BRC-86
C1105, C1106, C1107, C1108 WHEEL SENSOR ... BRC-91
C1109 POWER AND GROUND SYSTEM .. BR-28, BRC-99
C1111 ABS MOTOR, MOTOR RELAY SYSTEM ..... BRC-101
C1111 PUMP MOTOR ..... BR-32
C1115 WHEEL SENSOR ..... BRC-104
C1116 STOP LAMP SWITCH ..... BRC-112
C1120, C1122, C1124, C1126 ABS IN VALVE SYSTEM ..... BRC-114
C1121, C1123, C1125, C1127 ABS OUT VALVE SYSTEM ..... BRC-116
C1130 ENGINE SIGNAL ..... BRC-118
C1140 ACTUATOR RELAY SYSTEM ..... BRC-120
C1142 PRESS SENSOR ..... BRC-122
C1143 STEERING ANGLE SENSOR ..... BRC-125
C1144 INCOMPLETE STEERING ANGLE SENSOR ADJUSTMENT ..... BRC-129
C1145, C1146 YAW RATE/SIDE G SENSOR ..... BRC-131
C1155 BRAKE FLUID LEVEL SWITCH ... BRC-133
C1160 DECEL G SEN SET ..... BRC-137
C1164, C1165 CV SYSTEM ..... BRC-139
C1170 VARIANT CODING ..... BRC-141
C118C HEV SYSTEM ..... BRC-143
C118E ACCUMULATOR ..... BR-35
C1201 AWD CONTROL UNIT ..... DLN-41
C1203 ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) ..... DLN-42
C1204 AWD SOLENOID ..... DLN-43
C1209 MODE SW ..... DLN-46
C1210 ECM ..... DLN-48
C1601 BATTERY POWER SUPPLY ..... STC-18
C1602 NO TUNING SET ..... STC-21
C1604 TORQUE SENSOR ..... STC-22
C1606 EPS MOTOR ..... STC-24
C1607, C1608 EPS CONTROL UNIT ..... STC-26
C1609 VEHICLE SPEED SIGNAL ..... STC-28
C1704, C1705, C1706, C1707 LOW TIRE PRESSURE ..... WT-29

C1708, C1709, C1710, C1711 TIRE PRESSURE SENSOR ..... WT-31
C1716, C1717, C1718, C1719 TIRE PRESSURE SENSOR ..... WT-34
C1729 VEHICLE SPEED SIGNAL ..... WT-36
C1730, C1731, C1732, C1733 FLAT TIRE .. WT-37
C1734 CONTROL UNIT ..... WT-39
C1735 IGNITION SIGNAL ..... WT-41
C1765, C1766, C1767, C1768 TIRE PRESSURE SENSOR ..... WT-43
C1769 CONFIGURATION SETTING ..... WT-45
C1770, C1771, C1772, C1773 G SENSOR . WT-47
C1A00 CONTROL UNIT ..... CCS-109, DAS-68
C1A01 POWER SUPPLY CIRCUIT 1, C1A02 POWER SUPPLY CIRCUIT 2 CCS-112, DAS-70
C1A03 VEHICLE SPEED SENSOR ..... CCS-115, DAS-72
C1A04 ABS/TCS/VDC SYSTEM CCS-119, DAS-76
C1A05 BRAKE SW/STOP LAMP SW ..... CCS-122, DAS-79
C1A06 OPERATION SW ..... CCS-125, DAS-82
C1A07 CVT ..... CCS-128, DAS-85
C1A0A CONFIG UNFINISHED .. CCS-108, DAS-67
C1A13 STOP LAMP RELAY ..... DAS-90
C1A14 ECM ..... CCS-129, DAS-93
C1A15 GEAR POSITION ..... CCS-131
C1A1A HPCM ..... DAS-87
C1A23 UNIT LOW TEMP ..... CCS-133
C1A24 NP RANGE ..... CCS-134, DAS-95
C1A25 SHIFT RANGE INDICATOR ..... DAS-97
C1A26 ECD MODE MALFUNCTION ..... CCS-136, DAS-99
C1A27 ECD POWER SUPPLY CIRCUIT CCS-138
C1A33 CAN TRANSMISSION ERROR .. CCS-140, DAS-101
C1A34 COMMAND ERROR .... CCS-142, DAS-103
C1A39 STEERING ANGLE SENSOR .... CCS-143, DAS-104
C1A40 SYSTEM SWITCH CIRCUIT ..... DAS-107
C1B00 CAMERA UNIT MALF . BRC-291, DAS-109, DAS-334
C1B01 CAM AIMING INCMP .. BRC-293, DAS-111, DAS-336
C1B03 ABNRML TEMP DETECT ..... BRC-294, DAS-113
C1B09 POWER SUPPLY CIRCUIT ..... BRC-297
C1B09 POWER SUPPLY CIRCUIT, C1B0A POWER SUPPLY CIRCUIT2 ..... DAS-337
C1B30 SOW LEFT UNIT FAILURE ..... DAS-338
C1B40 SOW RIGHT UNIT FAILURE ..... DAS-340
C1B50 SIDE RADAR MALFUNCTION ..... DAS-342
C1B51 BLIND SPOT WARNING INDICATOR SHORT CIRCUIT ..... DAS-343
C1B52 BLIND SPOT WARNING INDICATOR OPEN CIRCUIT ..... DAS-345
C1B53 SIDE RADAR RIGHT MALFUNCTION ..... DAS-115
C1B54 SIDE RADAR LEFT MALFUNCTION ..... DAS-117
C1B55 RADAR BLOCKAGE ..... DAS-347
C1B58 DRIVER ASSISTANCE BUZZER . CCS-186
C1B59 CCM ..... DAS-119
C1B5A G SENSOR ..... DAS-127
C1B5D FEB OPE COUNT LIMIT ..... DAS-129
C1B63 STROKE SENSOR ..... BRC-145
C1B64 STROKE SENSOR ..... BRC-150
C1B65 INCOMPLETE STROKE SENSOR LEARNING ..... BRC-155
C1B66 STROKE SENSOR ..... BRC-157
C1B68 MOTOR POWER SUPPLY ..... BRC-162
C1B82 DISTANCE SENSOR OFF-CENTER ..... CCS-146, DAS-121
C1B83 DISTANCE SENSOR BLOCKED CCS-147, DAS-122
C1B84 DISTANCE SENSOR ..... DAS-123
C1B85 DISTANCE SENSOR ABNORMAL TEMP .. DAS-124
C1B86 DISTANCE SENSOR POWER SUPPLY CIRCUIT ..... DAS-125
C1B92-00 BRAKE CONTROL SYSTEM .. DAS-458
C1B93-00 ENGINE SYSTEM ..... DAS-460
C1B94-00 TRANSMISSION SYSTEM ..... DAS-462
C1B95-00 CONTROL MODULE ..... DAS-464
C1B99-00 CONTROL MODULE ..... DAS-465
C1BA0-00 ADAS/CHASSIS CONTROL BRAKE SYSTEM ..... DAS-466
C1BA2-00 STEERING ANGLE SENSOR DAS-468
C1BA5-00 ADAS/CHASSIS CONTROL ENGINE SYSTEM ..... DAS-470
C1BAB-00 STOP LAMP SWITCH ..... DAS-472
C1BB2-00 CONTROL MODULE ..... DAS-474
C1BB3-00 CONTROL MODULE ..... DAS-475
C1BB4-00 CONTROL MODULE ..... DAS-476
C1BB5-00 IGNITION POWER SUPPLY .. DAS-477
C1BB6-00 IGNITION POWER SUPPLY .. DAS-479
C1BB7-00 CONTROL MODULE ..... DAS-481
C1BB8-00 CONTROL MODULE ..... DAS-482
C1BB9-00 CONTROL MODULE ..... DAS-483
C1BBA-00 CONTROL MODULE ..... DAS-484
C1BBB-00 CONTROL MODULE ..... DAS-485
C1BBC-00 CONTROL MODULE ..... DAS-486
C1BBD-00 VARIANT CODING ..... DAS-487
C1BC0-00 FRONT RIGHT WHEEL SENSOR ..... DAS-488
C1BC1-00 FRONT LEFT WHEEL SENSOR ..... DAS-490
C1BC2-00 REAR RIGHT WHEEL SENSOR ..... DAS-492
C1BC3-00 REAR LEFT WHEEL SENSOR DAS-494
C1BC4-00 DECEL G SENSOR ..... DAS-496
C1BC5-00 SIDE G SENSOR ..... DAS-498

C1BC6-00 PRESSURE SENSOR ..... DAS-500
CALIBRATING CAMERA IMAGE (AROUND VIEW MONITOR) ..... AV-406
CALIBRATION OF AUTOMATIC BACK DOOR POSITION INFORMATION ..... DLK-116
CALIBRATION OF DECEL G SENSOR ..... BRC-80
CALIBRATION OF G SENSOR ..... HBC-106
CAMERA AIMING ADJUSTMENT ..... BRC-283, DAS-322
CAMSHAFT ..... EM-77
CAMSHAFT VALVE CLEARANCE ..... EM-15
CAN COMMUNICATION SYSTEM ..... LAN-17
CAN GATEWAY ..... LAN-163
CAN SYSTEM (WITH FORWARD EMERGENCY BRAKING) ..... LAN-52
CAN SYSTEM (WITHOUT FORWARD EMERGENCY BRAKING) ..... LAN-72
CAUTIONS AS TO HIGH VOLTAGE ..... GI-28, HBB-6
CCM BRANCH LINE CIRCUIT (ITS COMMUNICATION CIRCUIT) ..... LAN-113, LAN-226, LAN-269, LAN-318, LAN-459, LAN-503, LAN-553
CCM BRANCH LINE CIRCUIT (VEHICLE CAN COMMUNICATION 1 CIRCUIT) ..... LAN-112, LAN-192, LAN-225, LAN-268, LAN-317, LAN-369, LAN-423, LAN-458, LAN-502, LAN-552, LAN-605
CENTER CONSOLE ASSEMBLY ..... IP-18, IP-25
CENTER SPEAKER ..... AV-119, AV-150, AV-320, AV-359
CHASSIS CAN COMMUNICATION CIRCUIT ..... LAN-148, LAN-402, LAN-639
CHASSIS CONTROL ..... DAS-450, DAS-524
CHASSIS CONTROL MODULE CCS-70, DAS-294, DAS-442, DAS-528
CHASSIS MAINTENANCE ..... MA-29
CHIME DOES NOT SOUND ... CCS-196, DAS-390
CLUSTER LID A ..... IP-20
CLUSTER LID C ..... IP-21
CLUTCH 1 ZERO POSITION LEARNING HBC-105
CLUTCH 2 TEMPERATURE SENSOR ..... TM-219
COIL SPRING ..... RSU-8
COLLISION DIAGNOSIS ..... SR-5
COMBINATION METER MWI-25, MWI-81, MWI-83
COMBINATION SWITCH ..... BCS-74, EXL-121, EXL-252
COMBINATION SWITCH INPUT CIRCUIT BCS-67
COMBINATION SWITCH OUTPUT CIRCUIT ..... BCS-69
COMBINATION SWITCH SYSTEM SYMPTOMS ... BCS-71
COMPASS ..... MWI-50
COMPRESSION PRESSURE ..... EM-18
COMPRESSOR SYSTEM SYMPTOMS ..... HA-24
CONDENSER ..... DEF-47, HA-45
CONFIGURATION (ADAS CONTROL UNIT 2) ..... DAS-65
CONFIGURATION (ADAS CONTROL UNIT) DAS-63
CONFIGURATION (AROUND VIEW MONITOR CONTROL UNIT) ..... AV-404
CONFIGURATION (CAN GATEWAY) ..... LAN-169
CONFIGURATION (CHASSIS CONTROL MODULE) ..... DAS-456
CONFIGURATION (IPDM E/R) ..... PCS-36
CONFIGURATION (LANE CAMERA UNIT) ..... BRC-290, DAS-329
CONFIGURATION (LI-ION BATTERY CONTROLLER) ..... HBB-54
CONFIGURATION (TIRE PRESSURE MONITORING SYSTEM) ..... WT-27
CONFIGURATION [ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)] ... BRC-84
CONSULT/GST CHECKING SYSTEM ..... GI-62
CONTROL CABLE ..... TM-210
COOLANT ..... HCO-9
COOLER PIPE AND HOSE ..... HA-37
COOLING FAN ..... CO-19, EC-551
COOLING SYSTEM ..... HBB-151
CORROSION PROTECTION ..... BRM-119
COWL TOP ..... EXT-37
CRASH ZONE SENSOR ..... SR-23
CVT CONTROL SYSTEM ..... TM-73, TM-199
CVT FLUID ..... TM-202
CVT FLUID COOLER SYSTEM ..... TM-233
CVT OIL WARMER ..... TM-238
CVT POSITION ..... TM-99
CVT SHIFT LOCK SYSTEM ..... TM-85
CVT SHIFT SELECTOR ..... TM-206
CYLINDER BLOCK ..... EM-116
CYLINDER HEAD ..... EM-88

**D**

DAYTIME RUNNING LIGHT SYSTEM ..... EXL-34, EXL-162
DC/DC CONVERTER HBB-160, HBC-75, HBC-337
DEFOGGER SYSTEM SYMPTOMS ..... DEF-38
DIAG ON CAN ..... LAN-19
DIAGNOSIS AND REPAIR WORK FLOW ADP-38, AV-494, BRC-73, BRC-277, CCS-92, DAS-316, DAS-452, DLK-110, DLN-36, DMS-16, DMS-36, HBB-50, HBC-101, MIR-12, MWI-53, PCS-76, SEC-60, SRC-35, TM-90, TMS-52, WCS-24, WT-22
DIAGNOSIS SENSOR UNIT ..... SRC-16
DIAGNOSIS SYSTEM (A/C AUTO AMP.) .. HAC-30
DIAGNOSIS SYSTEM (A/C CONTROL) .... HAC-33
DIAGNOSIS SYSTEM (ADAS CONTROL UNIT 2) . BRC-234, CCS-44, DAS-28, DAS-247
DIAGNOSIS SYSTEM (ADAS CONTROL UNIT) .... BRC-226, CCS-36, DAS-20, DAS-239
DIAGNOSIS SYSTEM (AIR BAG) ..... SRC-13

DIAGNOSIS SYSTEM (AROUND VIEW MONITOR CONTROL UNIT) ..... AV-380
DIAGNOSIS SYSTEM (AUDIO UNIT)AV-20, AV-83, AV-453
DIAGNOSIS SYSTEM (AUTOMATIC BACK DOOR CONTROL UNIT) ..... DLK-61
DIAGNOSIS SYSTEM (AV CONTROL UNIT)..... AV-168, AV-263
DIAGNOSIS SYSTEM (AWD CONTROL UNIT)..... DLN-21
DIAGNOSIS SYSTEM (BCM) ..... BCS-16, DEF-9, DLK-56, EXL-19, EXL-147, INL-12, PCS-59, PWC-11, RF-9, SEC-18, WCS-15, WW-12
DIAGNOSIS SYSTEM (CAN GATEWAY) . LAN-161
DIAGNOSIS SYSTEM (CHASSIS CONTROL MODULE) ..... CCS-50, DAS-261, DAS-437
DIAGNOSIS SYSTEM (COMBINATION METER) .. MWI-19, WCS-9
DIAGNOSIS SYSTEM (DRIVER SEAT CONTROL UNIT) .....ADP-17
DIAGNOSIS SYSTEM (ECM) ..... EC-70
DIAGNOSIS SYSTEM (EPS CONTROL UNIT)..... STC-9
DIAGNOSIS SYSTEM (HPCM) ..... HBC-40
DIAGNOSIS SYSTEM (HYDRAULIC BRAKE BOOSTER UNIT) ..... BR-16
DIAGNOSIS SYSTEM (ICC SENSOR)... BRC-240, CCS-55, DAS-253
DIAGNOSIS SYSTEM (IPDM E/R) ..... EXL-23, EXL-151, PCS-12, SEC-23, WW-14
DIAGNOSIS SYSTEM (LANE CAMERA UNIT)..... BRC-242, DAS-259
DIAGNOSIS SYSTEM (LBC) .....HBB-27
DIAGNOSIS SYSTEM (SIDE RADAR LH)DAS-255
DIAGNOSIS SYSTEM (SIDE RADAR RH)DAS-257
DIAGNOSIS SYSTEM (TCM) ..... TM-53
DIAGNOSIS SYSTEM (TCU)..... AV-483
DIAGNOSIS SYSTEM (TIRE PRESSURE MONITORING SYSTEM)..... WT-13
DIAGNOSIS SYSTEM (TRACTION MOTOR INVERTER)..... TMS-24
DIAGNOSIS SYSTEM (VSP)..... VSP-15
DIAGNOSIS SYSTEM [ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)] .. BRC-49
DIAGNOSTIC CAN COMMUNICATION CIRCUIT.. LAN-152, LAN-208, LAN-249, LAN-297, LAN-349, LAN-406, LAN-440, LAN-483, LAN-532, LAN-585, LAN-643
DIFFERENTIAL ASSEMBLY ..... DLN-134
DIFFERENTIAL SIDE OIL SEAL ..... TM-228
DISPLAY AUDIO WITH BOSE..... AV-95
DISPLAY AUDIO WITHOUT BOSE ..... AV-29
DLC BRANCH LINE CIRCUIT . LAN-138, LAN-203, LAN-241, LAN-286, LAN-337, LAN-392, LAN-435, LAN-475, LAN-521, LAN-573, LAN-629
DOES NOT OPERATE..... BRC-192
DOOR DOES NOT LOCK/UNLOCK AND ENGINE DOES NOT START (ALL I-KEY/REQ SW/PUSH SW) ..... DLK-264
DOOR DOES NOT LOCK/UNLOCK AND ENGINE DOES NOT START (ONE I-KEY/REQ SW/ PUSH SW) ..... DLK-272
DOOR DOES NOT LOCK/UNLOCK AND ENGINE DOES NOT START (REQ SW/PUSH SW) (ALL KEYS) ..... DLK-262
DOOR DOES NOT LOCK/UNLOCK AND ENGINE DOES NOT START (REQ SW/PUSH SW) (ONE KEY)..... SEC-107
DOOR DOES NOT LOCK/UNLOCK WITH DOOR REQUEST SWITCH AND INTELLIGENT KEY. DLK-268
DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY ..... DLK-267
DOOR DOES NOT LOCK/UNLOCK WITH INTELLIGENT KEY (ONE KEY) ..... DLK-271
DOOR KEY CYLINDER SWITCH ..... DLK-223
DOOR LOCK ACTUATOR ..... DLK-216
DOOR LOCK AND UNLOCK SWITCH ..... DLK-212
DOOR MIRROR ..... MIR-23
DOOR MIRROR (WITHOUT ADP) ..... MIR-8
DOOR MIRROR ACTUATOR..... MIR-26
DOOR MIRROR GLASS ..... MIR-25
DOOR MIRROR MOTOR..... ADP-95
DOOR MIRROR REAR FINISHER ..... MIR-27
DOOR MIRROR REMOTE CONTROL SWITCH.... ADP-70, MIR-14, MIR-28
DOOR MOTOR ..... HAC-126
DOOR MOTOR STARTING POSITION RESET ..... HAC-63
DOOR OUTSIDE LOWER MOLDING..... EXT-58
DOOR OUTSIDE MOLDING..... EXT-55
DOOR REQUEST SWITCH ..... DLK-227, DLK-333
DOOR SASH MOLDING ..... EXT-53
DOOR SWITCHDLK-206, DLK-332, PWC-48, RF-32
DRIVE PINION ..... DLN-85, DLN-145
DRIVE PINION OIL SEAL ..... DLN-122
DRIVER AIR BAG MODULE..... SR-12
DRIVER ASSISTANCE SYSTEM SYMPTOMS ..... DAS-386
DRIVER ASSISTANCE SYSTEMS ..... BRC-263, DAS-47, DAS-302
DRIVER SEAT CONTROL UNIT ADP-20, ADP-102
DRIVER SIDE DOOR MIRROR DEFOGGER ..... DEF-30
DRIVER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE.....DEF-42
DRIVER SIDE POWER WINDOW DOES NOT OPERATE ..... PWC-52
DRIVING FORCE IS HUNTING ..... CCS-198
DUCTS AND GRILLES ..... VTL-8

**E**

EASY FILL TIRE ALERT DOES NOT ACTIVATE ... WT-61
ECM BRANCH LINE CIRCUIT (HEV SYSTEM CAN CIRCUIT) ..... LAN-104, LAN-184, LAN-217, LAN-260, LAN-309, LAN-361, LAN-415, LAN-450, LAN-544, LAN-597
ECM BRANCH LINE CIRCUIT (VEHICLE CAN COMMUNICATION 1 CIRCUIT) .....LAN-103, LAN-183, LAN-216, LAN-259, LAN-308, LAN-360, LAN-414, LAN-449, LAN-493, LAN-543, LAN-596
ECM, BCM ..... HAC-44
ECM, IPDM E/R, BCM ..... SEC-28
ECO MODE .....DMS-29
ELECTRIC COMPRESSOR .....HA-32
ELECTRIC COMPRESSOR DOES NOT OPERATE HAC-118
ELECTRIC COMPRESSOR INSULATION RESISTANCE CHECK ..... HAC-113
ELECTRIC CONTROLLED COUPLING . DLN-124, DLN-130
ELECTRIC OIL PUMP ..... TM-241
ELECTRIC WATER PUMP ..... CO-21, HCO-18
ELECTRIC WATER PUMP OPERATING NOISE IS AUDIBLE ..... TMS-131
ELECTRICAL LOAD SIGNAL .....EC-553
ELECTRICAL UNITS LOCATION..... PG-5
ELECTROMAGNETIC NOISE IS AUDIBLE..... TMS-130
ENCODER CIRCUIT ..... PWC-43
ENGINE ASSEMBLY ..... EM-105
ENGINE CAN NOT START ..... SEC-103
ENGINE CONTROL SYSTEM ..... EC-122, EC-583
ENGINE COOLANT ..... CO-10
ENGINE COVER ..... EM-28
ENGINE DOES NOT START WHEN INTELLIGENT KEY IS INSIDE OF VEHICLE ..... SEC-104
ENGINE DOES NOT START WHEN INTELLIGENT KEY IS INSIDE OF VEHICLE (ONE KEY) ..... SEC-106
ENGINE MAINTENANCE..... MA-13
ENGINE OIL ..... LU-10
ENGINE STAND SETTING ..... EM-115
ENGINE START FUNCTION..... SEC-29
EPS CONTROL UNIT ..... STC-11, STC-39
EPS SYSTEM..... STC-14
EPS WARNING LAMP ..... STC-31
EPS WARNING LAMP DOES NOT TURN OFF ..... STC-33
EPS WARNING LAMP DOES NOT TURN ON ..... STC-32
EPS/DAST 3 BRANCH LINE CIRCUIT ....LAN-120, LAN-196, LAN-230, LAN-274, LAN-324, LAN-375, LAN-428, LAN-464, LAN-509, LAN-560, LAN-612
EV/HEV BRANCH LINE CIRCUIT (HEV SYSTEM CAN CIRCUIT) .. LAN-107, LAN-187, LAN-220, LAN-263, LAN-312, LAN-364, LAN-418, LAN-453, LAN-494, LAN-497, LAN-547, LAN-600
EV/HEV BRANCH LINE CIRCUIT (VEHICLE CAN COMMUNICATION 1 CIRCUIT) ..... LAN-106, LAN-186, LAN-219, LAN-262, LAN-311, LAN-363, LAN-417, LAN-452, LAN-496, LAN-546, LAN-599
EVAP CANISTER ..... FL-25
EVAP CANISTER FILTER ..... FL-29
EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE ..... FL-30
EVAP CANISTER VENT CONTROL VALVE . FL-27
EVAP CONTROL SYSTEM PRESSURE SENSOR FL-28
EVAP LEAK CHECK..... EC-592
EVAPORATIVE EMISSION SYSTEM..... EC-591
EXCESSIVE OPERATION FREQUENCY BRC-182
EXHAUST MANIFOLD ..... EM-37
EXHAUST SYSTEM .....EX-6, EX-7
EXTERIOR LIGHTING SYSTEM SYMPTOMS ..... EXL-105, EXL-236

**F**

FENDER PROTECTOR ..... EXT-40
FILAMENT ..... DEF-45
FLOOR TRIM.....INT-26
FORWARD EMERGENCY BRAKING ..... BRC-310
FREQUENTLY CANNOT DETECT THE VEHICLE AHEAD / DETECTION ZONE IS SHORT..... CCS-199, DAS-392
FRONT AND REAR WASHER MOTOR.....WW-56
FRONT BUMPER ..... EXT-25
FRONT CAMERA .....AV-442
FRONT COIL SPRING AND STRUT..... FSU-10, FSU-24
FRONT COMBINATION LAMP EXL-116, EXL-131, EXL-247, EXL-262
FRONT DISC BRAKEBR-26, BR-53, BR-69, BR-81
FRONT DOOR..... DLK-301
FRONT DOOR FINISHER.....INT-15
FRONT DOOR GLASS..... GW-14
FRONT DOOR LOCK..... DLK-319
FRONT DOOR SPEAKER.. AV-49, AV-68, AV-121, AV-149, AV-216, AV-244, AV-322, AV-358
FRONT DRIVE SHAFT.....FAX-8, FAX-19, FAX-26, FAX-45, FAX-56, FAX-63
FRONT DRIVE SHAFT BOOT .....FAX-13, FAX-50
FRONT FENDER..... DLK-299
FRONT FOG LAMP ..... EXL-118, EXL-249
FRONT FOG LAMP AIMING ADJUSTMENT ..... EXL-115, EXL-246
FRONT FOG LAMP SYSTEM .....EXL-47, EXL-175
FRONT GRILLE..... EXT-33

FRONT PASSENGER AIR BAG MODULE... SR-18
FRONT PASSENGER AIR BAG OFF INDICATOR SR-37
FRONT PASSENGER SIDE POWER WINDOW DOES NOT OPERATE ..... PWC-53
FRONT POWER WINDOW MOTOR ..... GW-19
FRONT POWER WINDOW SWITCH (PASSENGER SIDE) ..... PWC-32
FRONT REGULATOR ..... GW-16
FRONT SEAT ..... SE-33, SE-47
FRONT SEAT BELT ..... SB-8
FRONT SEAT BELT BUCKLE SWITCH ..... SR-30
FRONT SEAT BELT PRE-TENSIONER ..... SR-29
FRONT SIDE AIR BAG MODULE ..... SR-22
FRONT STABILIZER ..... FSU-15
FRONT SUSPENSION ASSEMBLY ..... FSU-6
FRONT SUSPENSION MEMBER ..... FSU-21
FRONT TWEETER AV-47, AV-67, AV-116, AV-148, AV-214, AV-243, AV-317, AV-357
FRONT WASHER NOZZLE AND TUBE..... WW-57
FRONT WHEEL HUB ..... FAX-9, FAX-46
FRONT WHEEL HUB AND KNUCKLE..... FAX-7, FAX-44
FRONT WIPER AND WASHER SYSTEM.. WW-20
FRONT WIPER ARM ..... WW-61
FRONT WIPER AUTO STOP SIGNAL CIRCUIT.... WW-39
FRONT WIPER BLADE ..... WW-63
FRONT WIPER DOES NOT OPERATE ..... WW-51
FRONT WIPER DRIVE ASSEMBLYWW-67, WW-76
FRONT WIPER MOTOR..... WW-68
FRONT WIPER MOTOR GROUND CIRCUIT ..... WW-40
FRONT WIPER MOTOR HI CIRCUIT..... WW-37
FRONT WIPER MOTOR LO CIRCUIT ..... WW-35
FUEL FILLER LID OPENER ..... DLK-329
FUEL INJECTOR ..... EC-555
FUEL INJECTOR AND FUEL TUBE.....EM-54
FUEL LEVEL SENSOR SIGNAL CIRCUIT.MWI-64
FUEL LEVEL SENSOR UNIT, FUEL FILTER AND FUEL PUMP ASSEMBLY ..... FL-7
FUEL PRESSURE CHECK..... EC-162
FUEL SYSTEM ..... FL-6
FUEL TANK..... FL-16
FUSE BLOCK - JUNCTION BOX (J/B)..... PG-112
FUSE INSPECTION..... PG-123
FUSE, FUSIBLE LINK AND RELAY BOX... PG-113
FUSIBLE LINK INSPECTION ..... PG-127

## G

GENERAL MAINTENANCE.....MA-5
GLASS LID..... RF-45
GLOVE BOX ASSEMBLY AND HOUSING.....IP-23
GLOVE BOX LAMP ..... INL-55
GPS ANTENNA ..... AV-248, AV-364
GROUND ..... PG-71

## H

HALF LATCH SWITCH ..... DLK-245
HANDLING PRECAUTION ..... BRC-225, CCS-33, DAS-236, DAS-436, HBB-25
HARNESS ..... PG-88
HAZARD FUNCTION ..... DLK-238
HAZARD SWITCH ..... EXL-87, EXL-122, EXL-216, EXL-253
HEADLAMP..... EXL-29, EXL-157
HEADLAMP AIMING ADJUSTMENT..... EXL-112, EXL-243
HEADLAMP FUNCTION ..... SEC-98
HEADLINING ..... INT-28
HEATED SEAT SWITCH..... SE-46
HEATED SEAT SYSTEM ..... SE-17
HEATED STEERING WHEEL ..... ST-10
HEATED STEERING WHEEL SWITCH..... ST-37
HEATED STEERING WHEEL SWITCH INDICATOR LAMP ..... ST-24
HEATED STEERING WHEEL SYSTEM ..... ST-20
HEATER AND AIR CONDITIONING SYSTEM CONTROL SYMPTOMS .....HAC-114
HEATING AND COOLING UNIT ASSEMBLYHA-49
HEAVY TIGHT-CORNER BRAKING SYMPTOM OCCURS.....DLN-65
HEV SYSTEM CAN CIRCUIT ..LAN-154, LAN-210, LAN-251, LAN-299, LAN-351, LAN-408, LAN-442, LAN-485, LAN-534, LAN-587, LAN-645
HIGH PRESSURE FUEL PUMP ..... EC-560
HIGH PRESSURE FUEL PUMP AND FUEL HOSE EM-49
HIGH VOLTAGE CIRCUIT ..... HBC-99
HIGH-MOUNTED STOP LAMP EXL-126, EXL-257
HOMELINK UNIVERSAL TRANSCEIVER DLK-107
HOOD..... DLK-294
HOOD LOCK..... DLK-316
HOOD SWITCH ..... HBC-325
HORN..... HRN-3, HRN-7
HORN FUNCTION ..... SEC-99
HOW TO ERASE PERMANENT DTC ..... EC-170, HBB-56, HBC-107, TM-101, TMS-57
HOW TO FOLLOW TROUBLE DIAGNOSES .. GI-6
HOW TO READ WIRING DIAGRAMS ..... GI-9
HOW TO SELECT PISTON AND BEARINGEM-134
HOW TO SET SRT CODE ..... EC-164
HOW TO USE THIS MANUAL ..... GI-3
HOW TO USE THIS SECTION ..... LAN-31, TM-6
HPCM..... HBC-58, HBC-335
HV BAT BRANCH LINE CIRCUIT..... LAN-137, LAN-202, LAN-240, LAN-285, LAN-336, LAN-391, LAN-434, LAN-474, LAN-520, LAN-572, LAN-628

HVAC BRANCH LINE CIRCUIT LAN-121, LAN-197, LAN-231, LAN-275, LAN-325, LAN-376, LAN-429, LAN-465, LAN-510, LAN-561, LAN-613
HYBRID BATTERY SYSTEM ..... HBB-40
HYBRID CONTROL SYSTEM ... HBC-76, HBC-330
HYDRAULIC BRAKE BOOSTER UNIT ..... BR-18, BR-25, BR-65

## I

ICC 2 BRANCH LINE CIRCUIT (CHASSIS COMMUNICATION CIRCUIT) ..... LAN-132, LAN-386, LAN-623
ICC 2 BRANCH LINE CIRCUIT (ITS COMMUNICATION CIRCUIT) ..... LAN-131, LAN-236, LAN-281, LAN-331, LAN-385, LAN-470, LAN-516, LAN-567, LAN-622
ICC 2 BRANCH LINE CIRCUIT (VEHICLE CAN COMMUNICATION 2 CIRCUIT) ..... LAN-130, LAN-235, LAN-280, LAN-330, LAN-469, LAN-515, LAN-566
ICC BRANCH LINE CIRCUIT (CHASSIS CAN COMMUNICATION CIRCUIT) ..... LAN-124, LAN-379, LAN-616
ICC BRANCH LINE CIRCUIT (ITS CAN COMMUNICATION CIRCUIT) ..... LAN-123, LAN-378, LAN-615
ICC BRANCH LINE CIRCUIT (VEHICLE CAN COMMUNICATION 2 CIRCUIT) ..... LAN-122, LAN-377, LAN-614
ICC SENSOR ..... BRC-257, CCS-78, CCS-206, DAS-279, DAS-403
ICC SENSOR ALIGNMENT ..... CCS-95
ICC STEERING SWITCH ..... CCS-208, DAS-402
ICC STEERING SWITCH (OTHER THAN MAIN SWITCH) DOES NOT FUNCTION ..... CCS-194
ICC SYSTEM CANNOT BE SET (MAIN SWITCH TURNS ON/OFF) ..... CCS-192
ICC SYSTEM DOES NOT CANCEL WHEN CVT SELECTOR LEVER SETS ON .....
ID REGISTRATION CANNOT BE COMPLETED .... WT-60
ID REGISTRATION PROCEDURE ..... WT-24
IDENTIFICATION INFORMATION ..... GI-43
IDLE AIR VOLUME LEARNING ..... EC-156
IDLE SPEED ..... EC-589
IGNITION COIL ..... EM-61
IGNITION SIGNAL ..... EC-564
IGNITION TIMING ..... EC-590
ILLUMINATION ..... INL-27
IN-CABIN MICROFILTER ..... VTL-5
IN-VEHICLE SENSOR ..... HAC-122
INSIDE KEY ANTENNA ..... DLK-334
INSIDE MIRROR ..... MIR-5, MIR-21
INSPECTION MODE ..... GI-71, HBC-113
INSTRUMENT LOWER PANEL LH ..... IP-22
INSTRUMENT PANEL ASSEMBLY ..... IP-14
INSUFFICIENT COOLING ..... HAC-116
INSUFFICIENT HEATING ..... HAC-117
INSULATION RESISTANCE .... HBB-147, HBC-327
INTAKE MANIFOLD ..... EM-32
INTAKE SENSOR ..... HAC-124
INTEGRATED HOMELINK TRANSMITTER DLK-257
INTEGRATED HOMELINK TRANSMITTER DOES NOT OPERATE ..... DLK-287
INTELLIGENT CRUISE CONTROL ..... CCS-84
INTELLIGENT CRUISE CONTROL SYSTEM SYMPTOMS ..... CCS-190
INTELLIGENT KEY ..... DLK-235
INTELLIGENT KEY BATTERY ..... DLK-339
INTELLIGENT KEY BUTTON OPERATION HAS POOR RANGE (ALL KEYS) ..... DLK-269
INTELLIGENT KEY BUTTON OPERATION HAS POOR RANGE (ONE KEY) ..... DLK-276
INTELLIGENT KEY SYSTEM ..... DLK-82
INTELLIGENT KEY SYSTEM ALL FUNCTIONS CANNOT OPERATE (ALL KEYS) ..... DLK-265
INTELLIGENT KEY SYSTEM ALL FUNCTIONS CANNOT OPERATE (ONE KEY) ..... DLK-274
INTELLIGENT KEY SYSTEM SYMPTOMS ..... DLK-259, SEC-102
INTELLIGENT KEY WARNING BUZZER DLK-233, DLK-336
INTERIOR LIGHTING SYSTEM SYMPTOMS INL-51
INTERIOR ROOM LAMP CONTROL CIRCUIT ..... INL-46
INTERIOR ROOM LAMP CONTROL SYSTEM ..... INL-16
INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT ..... INL-43
INTERMITTENT INCIDENT ..... SRC-42
INV/MC BRANCH LINE CIRCUIT ..... LAN-136, LAN-201, LAN-239, LAN-284, LAN-335, LAN-390, LAN-433, LAN-473, LAN-519, LAN-571, LAN-627
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) .. PCS-17, PCS-30, PCS-46, PG-118
IPDM-E BRANCH LINE CIRCUIT ..... LAN-108, LAN-188, LAN-221, LAN-264, LAN-313, LAN-365, LAN-419, LAN-454, LAN-498, LAN-548, LAN-601
IT CAN COMMUNICATION CIRCUIT ..... LAN-150, LAN-295, LAN-347, LAN-404, LAN-530, LAN-583, LAN-641
ITS CAN COMMUNICATION CIRCUIT ... LAN-145, LAN-246, LAN-292, LAN-344, LAN-399, LAN-480, LAN-527, LAN-580, LAN-636

## K

KEY WARNING LAMP ..... DLK-237

**L**

LANE BRANCH LINE CIRCUIT LAN-133, LAN-332, LAN-387, LAN-568, LAN-624
LANE CAMERA UNIT ..... DAS-289, DAS-410
LANE DEPARTURE WARNING LAMP DOES NOT TURN ON ..... DAS-397
LASER BRANCH LINE CIRCUIT ..... LAN-126, LAN-381, LAN-618
LATCH (LOWER ANCHORS AND TETHER FOR CHILDREN) SYSTEM ..... SB-15
LDP ON INDICATOR LAMP DOES NOT TURNED ON ..... DAS-398
LED HEADLAMP OPERATION INSPECTION ..... EXL-210
LI-ION BATTERY ..... HBB-155
LI-ION BATTERY CONTROLLER (LBC) .... HBB-33
LICENSE PLATE LAMP ..... EXL-129, EXL-260
LIFTING MOTOR (REAR) ..... ADP-93
LIFTING POINT ..... GI-38
LIFTING SENSOR (REAR) ..... ADP-82
LIFTING SWITCH (REAR) ..... ADP-64
LOCATION OF PLASTIC PARTS ..... BRM-110
LOW PRESSURE FUEL PUMP ..... EC-570
LOW TIRE PRESSURE LOCATION INDICATOR CONTINUES DISPLAYING ..... WT-59
LOW TIRE PRESSURE LOCATION INDICATOR DOES NOT DISPLAY ..... WT-58
LOW TIRE PRESSURE WARNING LAMP .. WT-51
LOW TIRE PRESSURE WARNING LAMP BLINKS WT-57
LOW TIRE PRESSURE WARNING LAMP DOES NOT TURN ON ..... WT-55
LOW TIRE PRESSURE WARNING LAMP STAYS ON ..... WT-56
LOWER JOINT ..... ST-31
LOWER LINK ..... RSU-17
LUGGAGE ROOM LAMP ..... INL-58
LUGGAGE ROOM LAMP CIRCUIT ..... INL-48
LUGGAGE TRIM ..... INT-32
LUMBAR SUPPORT SWITCH ..... SE-44
LUMBAR SUPPORT SYSTEM ..... SE-12

**M**

M&A BRANCH LINE CIRCUIT . LAN-109, LAN-189, LAN-222, LAN-265, LAN-314, LAN-366, LAN-420, LAN-455, LAN-499, LAN-549, LAN-602
MAIN LINE BETWEEN AVM AND LANE CIRCUIT LAN-97, LAN-304, LAN-539
MAIN LINE BETWEEN AVM AND RDR-R CIRCUIT LAN-99, LAN-357, LAN-593
MAIN LINE BETWEEN EPS/DAST 3 AND ICC CIRCUIT ..... LAN-96, LAN-356, LAN-592
MAIN LINE BETWEEN EV/HEV AND HV BAT CIRCUIT ..... LAN-102, LAN-182, LAN-215, LAN-258, LAN-307, LAN-359, LAN-413, LAN-448, LAN-492, LAN-542, LAN-595
MAIN LINE BETWEEN IPDM-E AND M&A CIRCUIT LAN-92, LAN-180, LAN-212, LAN-253, LAN-301, LAN-353, LAN-410, LAN-444, LAN-487, LAN-536, LAN-589
MAIN LINE BETWEEN M&A AND STRG CIRCUIT LAN-93, LAN-181, LAN-213, LAN-254, LAN-302, LAN-354, LAN-411, LAN-445, LAN-488, LAN-537, LAN-590
MAIN LINE BETWEEN RDR-L AND RDR-R CIRCUIT ..... LAN-100, LAN-214, LAN-257, LAN-306, LAN-447, LAN-491, LAN-541
MAIN LINE BETWEEN RDR-R AND AVM CIRCUIT LAN-98, LAN-256, LAN-305, LAN-490, LAN-540
MAIN LINE BETWEEN RDR-R AND RDR-L CIRCUIT ..... LAN-101, LAN-358, LAN-594
MAIN LINE BETWEEN STRG AND 4WD CIRCUIT LAN-95, LAN-412, LAN-446, LAN-489, LAN-538, LAN-591
MAIN LINE BETWEEN STRG AND PWBD CIRCUIT LAN-94, LAN-255, LAN-303, LAN-355
MAIN POWER SUPPLY AND GROUND CIRCUIT . TM-193
MAIN POWER WINDOW AND DOOR LOCK/ UNLOCK SWITCH ..... PWC-14, PWC-60
MAIN SWITCH DOES NOT TURN ON, MAIN SWITCH DOES NOT TURN OFF ..... CCS-191
MALFUNCTION AREA CHART ..... LAN-89
MALFUNCTION INDICATOR LAMP (MIL) .. EC-573
MAP LAMP ASSEMBLY ..... INL-52
METER BUZZER CIRCUIT ..... DLK-236, WCS-28
METER CONTROL SWITCH ..... INL-59, MWI-82
METER CONTROL SWITCH SIGNAL CIRCUIT .... MWI-69
METER SYSTEM ..... MWI-34
MICROPHONE .... AV-71, AV-154, AV-247, AV-363, AV-534
MICROPHONE SIGNAL CIRCUIT .. AV-53, AV-131, AV-220, AV-332
MIRROR SENSOR ..... ADP-85
MIXTURE RATIO SELF-LEARNING VALUE CLEAR EC-158
MOONROOF DOES NOT OPERATE PROPERLY . RF-34
MOONROOF MOTOR ASSEMBLY .. RF-12, RF-47
MOONROOF SWITCH ..... RF-29, RF-57
MOONROOF SYSTEM ..... RF-15
MOONROOF UNIT ASSEMBLY ..... RF-49
MOTION ACTIVATED BACK DOOR CONTROL UNIT ..... DLK-70
MOTION ACTIVATED BACK DOOR SYSTEM ..... DLK-340
MUDGUARD ..... EXT-46

MULTI AV SYSTEM ..... AV-226, AV-338

**N**

NATS ANTENNA AMP. ..... SEC-109
NAVIGATION WITH BOSE ..... AV-273
NAVIGATION WITHOUT BOSE ..... AV-174
NISSAN VEHICLE IMMOBILIZER SYSTEM-NATS SEC-41
NOISE, VIBRATION AND HARSHNESS (NVH) TROUBLESHOOTING ..... BR-48, DLN-69, DLN-104, DLN-120, EM-20, FAX-6, FAX-43, FSU-5, RAX-5, RAX-13, RSU-4, ST-26, WT-62
NONE OF THE POWER WINDOWS CAN BE OPERATED USING ANY SWITCH ..... PWC-51
NORMAL OPERATING CONDITION ..... ADP-101, AV-62, AV-142, AV-230, AV-343, AV-528, BCS-72, BRC-199, BRC-314, CCS-203, DAS-399, DAS-527, EC-588, EXL-107, EXL-238, VSP-34, WW-53

**O**

OCCUPANT CLASSIFICATION SYSTEM ..... SR-31
OIL ..... HA-28
OIL COOLER ..... LU-14
OIL FILTER ..... LU-13
OIL PAN (LOWER) ..... EM-40
OIL PAN (UPPER) ..... EM-43
OIL PAN, OIL STRAINER, MANUAL PLATE TM-221
OIL PUMP ..... LU-16
OIL SEAL ..... EM-99
ON BOARD DIAGNOSTIC (OBD) SYSTEM EC-69, HBB-26, HBC-39, TM-52, TMS-23
ON BOARD REFUELING VAPOR RECOVERY (ORVR) ..... EC-574
OPERATION BRC-222, CCS-25, DAS-234, HAC-27, HBC-38, MWI-18
OPERATION INSPECTION ..... HAC-58
OPTICAL SENSOR ..... EXL-84, EXL-120, EXL-213, EXL-251
OUTPUT SPEED SENSOR ..... TM-227
OUTSIDE KEY ANTENNA ..... DLK-335
OVER FENDER ..... EXT-42
OVERHEATING CAUSE ANALYSIS ..... CO-8

**P**

P0011 IVT CONTROL ..... EC-198
P0014 EVT CONTROL ..... EC-202
P0030, P0031, P0032 A/F SENSOR HEATER ..... EC-206
P0037, P0038 HO2S2 HEATER ..... EC-209
P0075 IVT CONTROL SOLENOID VALVE ..... EC-212
P0078 EVT CONTROL SOLENOID VALVE EC-215
P0087 FRP CONTROL SYSTEM ..... EC-218
P0088 FRP CONTROL SYSTEM ..... EC-223
P0090 FRP SYSTEM ..... EC-226
P0101 MAF SENSOR ..... EC-229
P0102, P0103 MAF SENSOR ..... EC-236
P0111 IAT SENSOR ..... EC-243
P0112, P0113 IAT SENSOR ..... EC-245
P0116 ECT SENSOR ..... EC-248
P0117, P0118 ENGINE OUTLET COOLANT TEMPERATURE SENSOR ..... EC-250
P0122, P0123 TP SENSOR ..... EC-253
P0125 ECT SENSOR ..... EC-257
P0127 IAT SENSOR ..... EC-259
P0128 THERMOSTAT FUNCTION ..... EC-261
P0130 A/F SENSOR 1 ..... EC-264
P0131 A/F SENSOR 1 ..... EC-267
P0132 A/F SENSOR 1 ..... EC-270
P0137 HO2S2 ..... EC-273
P0138 HO2S2 ..... EC-279
P0139 HO2S2 ..... EC-287
P014C, P014D, P015A, P015B A/F SENSOR 1 ..... EC-293
P0171 FUEL INJECTION SYSTEM FUNCTION ..... EC-299
P0172 FUEL INJECTION SYSTEM FUNCTION ..... EC-304
P0181 FTT SENSOR ..... EC-308
P0182, P0183 FTT SENSOR ..... EC-312
P0190, P0192, P0193 FRP SENSOR ..... EC-314
P0191 FRP SENSOR ..... EC-319
P0196 EOT SENSOR ..... EC-323
P0197, P0198 EOT SENSOR ..... EC-327
P0201, P0202, P0203, P0204 FUEL INJECTOR ..... EC-330
P0222, P0223 TP SENSOR ..... EC-332
P0300, P0301, P0302, P0303, P0304 MISFIRE ..... EC-336
P0327, P0328 KS ..... EC-343
P0335 CKP SENSOR 1 ..... EC-345
P0340 CMP SENSOR ..... EC-350
P0365 EXHAUST VALVE TIMING CONTROL POSITION SENSOR ..... EC-354
P0385 CKP SENSOR 2 ..... EC-359
P0386 CKP SENSOR 2 ..... EC-363
P0420 THREE WAY CATALYST FUNCTION EC-367
P0441 EVAP CONTROL SYSTEM ..... EC-372
P0443 EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE ..... EC-377
P0444, P0445 EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE ..... EC-382
P0447 EVAP CANISTER VENT CONTROL VALVE EC-385
P0448 EVAP CANISTER VENT CONTROL VALVE EC-389
P0451 EVAP CONTROL SYSTEM PRESSURE SENSOR ..... EC-393
P0452 EVAP CONTROL SYSTEM PRESSURE SENSOR ..... EC-397

P0453 EVAP CONTROL SYSTEM PRESSURE SENSOR ..... EC-400
P0456 EVAP CONTROL SYSTEM ..... EC-404
P0460 FUEL LEVEL SENSOR ..... EC-410
P0461 FUEL LEVEL SENSOR ..... EC-412
P0462, P0463 FUEL LEVEL SENSOR ..... EC-414
P0500 VSS ..... EC-416
P0506 ISC SYSTEM ..... EC-419
P0507 ISC SYSTEM ..... EC-421
P050A, P050B, P050E COLD START CONTROL .. EC-423
P0510 THROTTLE POSITION SENSOR HBC-134
P0520 EOP SENSOR ..... EC-425
P0524 ENGINE OIL PRESSURE ..... EC-429
P052A, P052B INTAKE VALVE TIMING CONTROL EC-432
P0544 EXHAUST GAS TEMPERATURE SENSOR EC-438
P0545, P0546 EXHAUST GAS TEMPERATURE SENSOR ..... EC-441
P059F ACTIVE GRILLE SHUTTER ..... EC-444
P0603, P062F ECM ..... EC-448
P0604 ECM ..... EC-451
P0605 ECM ..... EC-453
P0606 ECM ..... EC-455
P0607 ECM ..... EC-457
P060A ECM ..... EC-459
P060B ECM ..... EC-461
P0611 ECM PROTECTION ..... EC-463
P0613 TCM ..... HBC-135
P062B ECM ..... EC-464
P062F EEPROM ..... TM-116
P0643 SENSOR POWER SUPPLY ..... EC-466
P0701 TRANSMISSION CONTROL SYSTEM ..... HBC-137, TM-117
P0705 TRANSMISSION RANGE SENSOR A ..... TM-118
P0706 TRANSMISSION RANGE SENSOR A ..... TM-123
P0711 TRANSMISSION FLUID TEMPERATURE SENSOR A ..... TM-126
P0712 TRANSMISSION FLUID TEMPERATURE SENSOR A ..... TM-129
P0713 TRANSMISSION FLUID TEMPERATURE SENSOR A ..... TM-131
P0715 INPUT SPEED SENSOR A ..... TM-133
P0746 PRESSURE CONTROL SOLENOID A ..... TM-136
P0776 PRESSURE CONTROL SOLENOID B ..... TM-138
P0778 PRESSURE CONTROL SOLENOID B ..... TM-140
P0779 PRESSURE CONTROL SOLENOID B ..... TM-142
P0826 UP AND DOWN SHIFT SW ..... TM-144
P0841 TRANSMISSION FLUID PRESSURE SEN/SW A ..... TM-147
P0847 TRANSMISSION FLUID PRESSURE SEN/SW B ..... TM-149
P0848 TRANSMISSION FLUID PRESSURE SEN/SW B ..... TM-151
P084C TRANSMISSION FLUID PRESSURE SEN/SW H ..... TM-153
P084D TRANSMISSION FLUID PRESSURE SEN/SW H ..... TM-155
P0851, P0852 PARK/NEUTRAL SWITCH HBC-138
P0863 TCM COMMUNICATION ..... TM-157
P0890 TCM ..... TM-158
P0930 SHIFT LOCK ..... HBC-140
P0962 PRESSURE CONTROL SOLENOID A ..... TM-160
P0963 PRESSURE CONTROL SOLENOID A ..... TM-162
P0965 PRESSURE CONTROL SOLENOID B ..... TM-164
P0966 PRESSURE CONTROL SOLENOID B ..... TM-166
P0967 PRESSURE CONTROL SOLENOID B ..... TM-168
P0A00 HIGH VOLTAGE COOLANT TEMPERATURE SENSOR ..... HBC-141
P0A01 MTR ELECTRO COOLANT TEMP SEN ..... TMS-58
P0A02, P0A03 HIGH VOLTAGE COOLANT TEMPERATURE SENSOR ..... HBC-145
P0A06, P0A07 ELECTRIC WATER PUMP HBC-148
P0A08 DC/DC CONVERTER ..... HBC-151
P0A0A, P0A0C HV SYSTEM ..... HBC-154
P0A1B DRIVE MOTOR A CONTROL MODULE ..... TMS-60
P0A1D HPCM ..... HBC-158
P0A1F BATTERY ENERGY CONTROL MODULE . HBB-57
P0A1F CAN COMMUNICATION (LI-ION BATTERY CONTROLER) ..... HBC-160
P0A3F DRIVE MOTOR A POSITION SENSOR ..... TMS-62
P0A41 DRIVE MOTOR A POSITION SENSOR ..... TMS-65
P0A7E HYBRID BATTERY PACK OVER TEMPERATURE ..... HBB-58
P0A7F CELL CONTROLLER DIAGNOSIS HBB-60
P0A84 HYBRID BAT PACK COOLING FAN 1 ..... HBB-61
P0A85 HYBRID BAT PACK COOLING FAN 1 ..... HBB-66
P0A8D 14VOLT POWER VOLTAGE ..... TMS-68
P0A93 HIGH VOLTAGE COOLANT TEMPERATURE SENSOR ..... HBC-162
P0A95 HIGH VOLTAGE FUSE ... HBB-67, HBC-165

P0A9D HYBRID BATTERY TEMPERATURE SENSOR A ..... HBB-69
P0A9E HYBRID BATTERY TEMPERATURE SENSOR A ..... HBB-70
P0AA0 SYSTEM MAIN RELAY ..... HBC-173
P0AA1 SYSTEM MAIN RELAY ..... HBC-177
P0AA4 SYSTEM MAIN RELAY ..... HBC-180
P0AA6 HIGH VOLTAGE SYSTEM ISOLATION ..... HBC-184
P0AA7 HYBRID BATTERY VOLTAGE ISOLATION SENSOR ..... HBB-71
P0AA7 LI-ION BATTERY CONTROLER .. HBC-188
P0AA9 HYBRID BATTERY VOLTAGE ISOLATION SENSOR ..... HBB-72
P0AAA HYBRID BATTERY VOLTAGE ISOLATION SENSOR ..... HBB-73
P0ABF HYBRID BATTERY PACK CURRENT SENSOR ..... HBB-74
P0AC0 HYBRID BATTERY PACK CURRENT SENSOR ..... HBB-76
P0AC1 HYBRID BATTERY PACK CURRENT SENSOR ..... HBB-77
P0AC2 HYBRID BATTERY PACK CURRENT SENSOR ..... HBB-78
P0AC7 HYBRID BATTERY TEMPERATURE SENSOR B ..... HBB-79
P0AC8 HYBRID BATTERY TEMPERATURE SENSOR B ..... HBB-80
P0ACC HYBRID BATTERY TEMPERATURE SENSOR C ..... HBB-81
P0ACD HYBRID BATTERY TEMPERATURE SENSOR C ..... HBB-82
P0ADB, P0ADC SYSTEM MAIN RELAY .. HBC-189
P0ADF, P0AE0 SYSTEM MAIN RELAY ... HBC-192
P0AE2 PRE-CHARGE RELAY ..... HBC-195
P0AE6, P0AE7 PRE-CHARGE RELAY .... HBC-199
P0AEA HYBRID BATTERY TEMPERATURE SENSOR D ..... HBB-83
P0AEB HYBRID BATTERY TEMPERATURE SENSOR D ..... HBB-84
P0AED DRIVE MOTOR INV TEMP SENSOR A ..... TMS-70
P0B35, P0B37 SDSW ..... HBC-202
P0BE9 D-MOTOR A PHASE V CURRENT SEN .... TMS-71
P0BEA D-MOTOR A PHASE V CURRENT SEN .... TMS-72
P0BED D-MOTOR A PHASE W CURRENT SEN ... TMS-73
P0BEE D-MOTOR A PHASE W CURRENT SEN ... TMS-74
P0C05 DRIVE MOTOR A PHASE U-V-W .. TMS-75
P0C19 D-MOTOR A TORQUE DELIVERED TMS-77
P0C6E HYBRID BATTERY TEMPERATURE SENSOR A/B ..... HBB-85
P0C70 HYBRID BATTERY TEMPERATURE SENSOR C/D ..... HBB-86
P0C79 DRIVE MOTOR A INVERTER VOLTAGE ... TMS-79
P1148 CLOSED LOOP CONTROL ..... EC-468
P1197 OUT OF GAS ..... EC-469
P119A, P119B FUEL RAIL PRESSURE SENSOR.. EC-471
P119C FUEL RAIL PRESSURE SENSOR . EC-476
P1212 CAN COMMUNICATION [ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)] ..... HBC-206
P1217 ENGINE OVER TEMPERATURE ... EC-480
P1225 TP SENSOR ..... EC-483
P1226 TP SENSOR ..... EC-484
P1423, P1424 COLD START CONTROL ... EC-485
P1425 COLD START CONTROL ..... EC-487
P1550 BATTERY CURRENT SENSOR ... HBC-208
P1551, P1552 BATTERY CURRENT SENSOR ..... HBC-211
P1554 BATTERY CURRENT SENSOR ... HBC-214
P1556, P1557 BATTERY TEMPERATURE SENSOR ..... HBC-217
P1564 ASCD STEERING SWITCH ..... HBC-220
P1564 ICC STEERING SWITCH ..... HBC-223
P1572 BRAKE PEDAL POSITION SWITCH ..... HBC-226
P159F ACTIVE GRILLE SHUTTER ..... EC-489
P161B ENGINE COOLING ELECTRIC WATER PUMP ..... EC-491
P161D IMMOBILIZER ..... SEC-65
P161E IMMOBILIZER ..... SEC-66
P161F IMMOBILIZER ..... SEC-67
P1804 AWD CONTROL UNIT ..... DLN-49
P1805 BRAKE SWITCH ..... EC-493
P1805 STOP LAMP SWITCH ..... HBC-230
P1808 WHEEL SPEED SENSOR ..... DLN-50
P1809 AWD CONTROL UNIT ..... DLN-51
P1811 BATTERY VOLTAGE ..... DLN-52
P181B INCOMPLETE SELFSHUT ..... DLN-55
P181D ENGINE TORQUE SIGNAL ..... DLN-58
P181F INCOMPLETE CALIBRATION ..... DLN-59
P188E ELECTRIC OIL PUMP ..... TM-170
P1890 ELECTRIC OIL PUMP RELAY ..... TM-171
P1891 ELECTRIC OIL PUMP ..... TM-173
P1892 ELECTRIC OIL PUMP ..... TM-176
P2004 INTAKE MANIFOLD RUNNER CONTROL VALVE ..... EC-496
P2014, P2016, P2017, P2018 INTAKE MANIFOLD RUNNER CONTROL VALVE POSITION SENSOR ..... EC-500
P2080 EXHAUST GAS TEMPERATURE SENSOR EC-503
P2081 EXHAUST GAS TEMPERATURE SENSOR EC-506
P2096, P2097 A/F SENSOR 1 ..... EC-509

P2100, P2103 THROTTLE CONTROL MOTOR RELAY ..... EC-513
P2101 ELECTRIC THROTTLE CONTROL FUNCTION ..... EC-516
P2118 THROTTLE CONTROL MOTOR ..... EC-519
P2119 ELECTRIC THROTTLE CONTROL ACTUATOR ..... EC-521
P2122, P2123 APP SENSOR ..... HBC-233
P2127, P2128 APP SENSOR ..... HBC-237
P2135 TP SENSOR ..... EC-523
P2138 APP SENSOR ..... HBC-241
P2183 ENGINE INLET COOLANT TEMPERATURE SENSOR ..... EC-526
P2184, P2185 ENGINE INLET COOLANT TEMPERATURE SENSOR ..... EC-528
P219A AIR FUEL RATIO ..... EC-531
P2610 ECM INTERNAL TIMER ..... EC-536
P261B ENGINE COOLING ELECTRIC WATER PUMP ..... EC-538
P261C ENGINE COOLING ELECTRIC WATER PUMP ..... EC-540
P261D ENGINE COOLING ELECTRIC WATER PUMP ..... EC-544
P2765 INPUT SPEED SENSOR B ..... TM-179
P2813 SELECT SOLENOID ..... TM-182
P2814 SELECT SOLENOID ..... TM-184
P2815 SELECT SOLENOID ..... TM-186
P281D PRESSURE CONTROL SOLENOID H..... TM-188
P281E PRESSURE CONTROL SOLENOID H..... TM-190
P2857, P2859 CLUTCH 1 ..... HBC-245
P3030 CELL CONTROLLER LIN ..... HBB-87
P30D0 SOC RATIONALITY ..... HBB-89
P30EE CELL PROTECTION ON ..... HBB-90
P30EF INTERNAL RESISTANCE ..... HBB-91
P30F1 REGENERATION CONTROL ..... HBB-93
P30F2 DISCHARGE CONTROL ..... HBB-95
P30F4 TOTAL VOLTAGE SENSOR ..... HBB-97
P30F5 TOTAL VOLTAGE SENSOR ..... HBB-98
P30F6 TOTAL VOLTAGE SENSOR ..... HBB-100
P30F7 CELL CONT IC SLEEP DIAG ..... HBB-102
P30F8 SELF SHUT OFF POWER SUPPLY ..... HBB-103
P30F9 CONTROL MODULE ..... HBB-104
P30FA SENSOR POWER SUPPLY ..... HBB-105
P30FB SENSOR POWER SUPPLY ..... HBB-106
P30FC OVER CURRENT ..... HBB-107
P30FE 12V BATTERY VOLTAGE ..... HBB-109
P3109 12V POWER SUPPLY ..... HBC-247
P310A HPCM ..... HBC-248
P310F HYBRID SYS ACTIVATION ERROR ..... HBC-249
P3110 IGNITION RELAY ..... HBC-251
P3112 STOP LAMP SWITCH ..... HBC-253
P3114 BRAKE PEDAL POSITION SWITCH ..... HBC-256
P3117 A/C SYSTEM ..... HBC-259
P3118 LI-ION BATTERY ..... HBC-260
P311D, P311E HIGH VOLTAGE SYSTEM HBC-261
P3120 HIGH VOLTAGE SYSTEM ..... HBC-269
P3123, P3124 HV SYSTEM COOLING PUMP ..... HBC-272
P3125, P3126, P3127 ELECTRIC WATER PUMP . HBC-275
P3128 ELECTRIC WATER PUMP ..... HBC-278
P3135 SLIGHT COLLISION DETECTION HBC-280
P3137, P3138 CAR CLASH ..... HBC-281
P3139 AIR BAG SYSTEM ..... HBC-282
P314D, P314E, P314F, P3151 ENGINE SYSTEM . HBC-283
P3157 SENSOR POWER SUPPLY ..... HBC-284
P3176 MOTOR SYSTEM ..... HBC-287
P3177 MOTOR SYSTEM ..... HBC-288
P3178 MOTOR SYSTEM ..... HBC-289
P3179 MOTOR SYSTEM ..... HBC-290
P317A MOTOR SYSTEM ..... HBC-291
P317B MOTOR SYSTEM ..... HBC-292
P317F HV BATTERY SYSTEM ..... HBC-293
P3180 HV BATTERY SYSTEM ..... HBC-294
P3181 HV BATTERY SYSTEM ..... HBC-295
P3182 HV BATTERY SYSTEM ..... HBC-296
P3184 HV BATTERY SYSTEM ..... HBC-297
P3185 TRANSMISSION SYSTEM HBC-298, TM-192
P3186 TRANSMISSION SYSTEM ..... HBC-299
P3194 CAN ERROR ..... HBC-300
P31A5 CAN ERROR ..... EC-546, TMS-81
P31A5 CAN ERROR HPCM ..... HBB-110
P31A6 CAN ERROR ..... HBC-301, TMS-83
P31A7 CAN ERROR ..... HBC-303
P31A7 CAN ERROR INV/MC ..... HBB-112
P31A8 CAN ERROR ..... HBC-305, TMS-85
P31A9 CAN ERROR ..... HBC-307, TMS-87
P31B1 CAN ERROR ..... HBC-309
P31BC CAN ERROR ..... HBC-311
P31EF DC/DC CONVERTER COMMUNICATION LINE ..... HBC-313
P31F0 DC/DC CONVERTER COMMUNICATION LINE ..... HBC-315
P31F1 DC/DC CONVERTER COMMUNICATION LINE ..... HBC-317
P31FB, P31FD ASCD SYSTEM ..... HBC-319
P31FE CHASSIS CONTROL MODULE... HBC-321
P31FF ASCD VEHICLE SPEED SENSOR HBC-323
P323F D-MOTOR A PHASE W CURRENT SEN.... TMS-89
P3243 D-MOTOR A PHASE V CURRENT SEN..... TMS-90
P3244 DRIVE MOTOR A INVERTER ..... TMS-91
P3245 DRIVE MOTOR A INVERTER ..... TMS-93

P3246 DRIVE MOTOR A INVERTER VOLTAGE .... TMS-94
P324A DRIVE MOTOR A INVERTER VOLTAGE.... TMS-96
P324D DRIVE MOTOR A INVERTER IGBTTMS-98
P3266 RESOLVER OFFSET ..... TMS-100
P3267 RESOLVER OFFSET ..... TMS-101
P3268 RESOLVER SIGNAL..... TMS-102
P3269 DRIVE MOTOR A POSITION SENSOR ..... TMS-105
P326C EEPROM ..... TMS-106
P326D RESOLVER OFFSET ..... TMS-107
P326E - P3273 CELL CONTROLLER IC . HBB-114
P327A - P327F CELL CONT IC VOLTAGE2..... HBB-116
P3286 - P328B CELL CONT IC VOLTAGE1 ..... HBB-118
P3292 - P3297 CELL CONT IC COMM ERROR .... HBB-120
P329E - P32A9 CELL CONT IC OPEN .... HBB-122
P32AA - P32AF CELL CONT IC OPEN ... HBB-125
P3300 TOTAL VOLTAGE OVER ..... HBB-127
P3301 CELL VOLTAGE OVER..... HBB-129
P3373 TOTAL VOLTAGE OVER DISCHARGE..... HBB-131
P3374 CELL VOLTAGE OVER DISCHARGE ..... HBB-133
PANORAMIC ROOF GLASS..... RF-58
PARKING BRAKE CONTROL..... PB-7
PARKING BRAKE FRONT CABLE ..... PB-8
PARKING BRAKE REAR CABLE..... PB-9
PARKING BRAKE SHOE ..... PB-6, PB-11
PARKING BRAKE SWITCH ..... BRC-172, PB-10
PARKING BRAKE SWITCH SIGNAL CIRCUIT..... MWI-66, WCS-31
PARKING BRAKE SYSTEM..... PB-4
PARKING, LICENSE PLATE AND TAIL LAMPS SYSTEM..... EXL-60, EXL-188
PARKING, LICENSE PLATE, SIDE MARKER AND TAIL LAMPS ARE NOT TURNED ON EXL-110, EXL-241
PASSENGER SIDE DOOR MIRROR DEFOGGER DEF-34
PASSENGER SIDE DOOR MIRROR DEFOGGER DOES NOT OPERATE..... DEF-43
PERFORMANCE TEST ..... HA-31
PERIODIC MAINTENANCE ..... MA-7
PERSONAL LAMP ..... INL-57
PLUG..... TM-240
POSITIVE CRANKCASE VENTILATION .... EC-594
POWER DISTRIBUTION SYSTEM..... PCS-64
POWER DOOR LOCK SYSTEM..... DLK-72
POWER SEAT FOR DRIVER SIDE ..... SE-9
POWER SEAT SWITCH..... ADP-105, SE-42
POWER SEAT SWITCH GROUND CIRCUIT ..... ADP-75
POWER SOCKET ..... PWO-5, PWO-7
POWER SUPPLY ROUTING CIRCUIT ..... PG-13
POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH RH ..... PWC-61
POWER WINDOW CONTROL SYSTEM SYMPTOMS ..... PWC-50
POWER WINDOW LOCK SWITCH DOES NOT FUNCTION ..... PWC-59
POWER WINDOW MOTOR ..... PWC-36
POWER WINDOW RELAY ..... PWC-46
POWER WINDOW RETAINED POWER OPERATION DOES NOT OPERATE PROPERLY ..... PWC-57
POWER WINDOW SYSTEM..... PWC-16
PRE-INSPECTION FOR DIAGNOSIS..... BRC-282, DAS-321
PRECAUTIONS..... ACC-2, ADP-4, AV-11, AV-73, AV-156, AV-250, AV-366, AV-445, AV-475, BCS-3, BR-3, BRC-6, BRC-210, BRM-106, CCS-6, CCS-210, CO-2, DAS-12, DAS-214, DAS-413, DEF-3, DLK-9, DLN-5, DLN-98, DLN-112, DMS-3, DMS-22, EC-9, EM-3, EX-2, EXL-7, EXL-134, EXT-3, FAX-3, FAX-40, FL-2, FSU-2, GI-23, GW-2, HA-3, HAC-4, HBB-5, HBC-6, HCO-2, HRN-2, INL-3, INT-3, IP-2, LAN-16, LAN-32, LAN-156, LU-2, MA-3, MIR-2, MWI-3, PB-2, PCS-4, PCS-49, PG-3, PWC-4, PWO-2, RAX-3, RAX-10, RF-3, RSU-2, SB-2, SE-3, SEC-4, SR-2, SRC-4, ST-3, STC-3, STR-2, TM-7, TMS-4, VSP-3, VTL-2, WCS-3, WT-3, WW-3
PREDICTIVE COURSE LINE CENTER POSITION ADJUSTMENT ..... AV-405
PRIMARY SPEED SENSOR ..... TM-226
PROCEDURE FOR TEMPORARILY DISABLING THE IGNITION BATTERY SAVER SYSTEM .... PCS-79
PUSH-BUTTON IGNITION SWITCH..... PCS-95, PCS-102, SEC-111
PUSH-BUTTON IGNITION SWITCH DOES NOT OPERATE..... PCS-98
PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT ..... INL-49
PWBD BRANCH LINE CIRCUITLAN-117, LAN-271, LAN-321, LAN-372, LAN-506, LAN-557, LAN-609

## Q

QUARTER WINDOW GLASS ..... GW-26

## R

RADIATOR..... CO-13, CO-15
RADIATOR CORE SUPPORT ..... DLK-298

RDR-L BRANCH LINE CIRCUIT LAN-129, LAN-234, LAN-279, LAN-329, LAN-384, LAN-468, LAN-514, LAN-565, LAN-621
RDR-R BRANCH LINE CIRCUIT LAN-128, LAN-233, LAN-278, LAN-328, LAN-383, LAN-467, LAN-513, LAN-564, LAN-620
REAR BUMPER ..... EXT-29
REAR COMBINATION LAMP .. EXL-124, EXL-132, EXL-255, EXL-263
REAR DIFFERENTIAL GEAR OIL ..... DLN-121
REAR DISC BRAKE BR-27, BR-55, BR-75, BR-84
REAR DOOR ..... DLK-306
REAR DOOR FINISHER ..... INT-18
REAR DOOR GLASS ..... GW-20
REAR DOOR LOCK ..... DLK-323
REAR DOOR SPEAKER .... AV-51, AV-69, AV-124, AV-151, AV-218, AV-245, AV-325, AV-360
REAR DRIVE SHAFT ... RAX-15, RAX-19, RAX-21
REAR FINAL DRIVE ASSEMBLY ..... DLN-129
REAR LH SIDE POWER WINDOW DOES NOT OPERATE ..... PWC-54
REAR POWER WINDOW MOTOR ..... GW-25
REAR POWER WINDOW SWITCH ..... PWC-34, PWC-62
REAR PROPELLER SHAFT .... DLN-105, DLN-106
REAR REGULATOR ..... GW-22
REAR RH SIDE POWER WINDOW DOES NOT OPERATE ..... PWC-55
REAR SEAT ..... SE-38, SE-60
REAR SHOCK ABSORBER ..... RSU-14
REAR SPOILER ..... EXT-60
REAR STABILIZER ..... RSU-20
REAR SUSPENSION ARM ..... RSU-16
REAR SUSPENSION ASSEMBLY ..... RSU-5
REAR SUSPENSION MEMBER ..... RSU-21
REAR VIEW CAMERA .. AV-444, AV-474, DAS-412
REAR VIEW CAMERA IMAGE SIGNAL CIRCUIT . AV-470
REAR VIEW MONITOR SYSTEM . AV-460, AV-472
REAR WASHER NOZZLE AND TUBE ..... WW-73
REAR WHEEL HUB ..... RAX-7
REAR WHEEL HUB AND HOUSING ..... RAX-6, RAX-14, RAX-16
REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE. .... DEF-39
REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH OF DOOR MIRROR DEFOGGER OPERATE ..... DEF-40
REAR WINDOW DEFOGGER POWER SUPPLY AND GROUND CIRCUIT ..... DEF-28
REAR WINDOW DEFOGGER RELAY ..... DEF-26
REAR WINDOW DEFOGGER SWITCH ..... DEF-23
REAR WINDOW DEFOGGER SWITCH DOES NOT LIGHT, BUT REAR WINDOW DEFOGGER OPERATES ..... DEF-44
REAR WINDOW DEFOGGER SYSTEM .... DEF-12
REAR WIPER AND WASHER SYSTEM ..... WW-26
REAR WIPER ARM ..... WW-70
REAR WIPER AUTO STOP SIGNAL CIRCUIT ..... WW-47
REAR WIPER MOTOR ..... WW-72
REAR WIPER MOTOR CIRCUIT ..... WW-45
RECLINING MOTOR ..... ADP-91
RECLINING SENSOR ..... ADP-79
RECLINING SWITCH ..... ADP-61
RECOMMENDED CHEMICAL PRODUCTS AND SEALANTS ..... GI-22
RECOMMENDED FLUIDS AND LUBRICANTS ..... MA-11
REFRIGERANT ..... HA-25
REFRIGERANT PRESSURE SENSOR ..... EC-579, HAC-125
REFRIGERATION SYSTEM SYMPTOMS .... HA-21
REMOTE KEYLESS ENTRY RECEIVER DLK-225, DLK-338, WT-73
REPAIRING HIGH STRENGTH STEEL ... BRM-107
REPAIRING MATERIAL ..... BRM-113
REPAIRING PROCEDURES AND PRECAUTIONS BRM-54
REPLACEMENT OPERATIONS ..... BRM-129
RESERVOIR TANK CAP ..... HCO-11
RESOLVER OFFSET ..... TMS-56
RETAINED POWER OPERATION DOES NOT OPERATE PROPERLY ..... RF-38
RIGHT/LEFT SWITCHING SIGNAL CIRCUIT ..... DAS-379
RING GEAR SHAFT ..... DLN-81
ROCKER COVER ..... EM-63
ROOF RACK ..... EXT-57
ROOF SIDE MOLDING ..... EXT-51
ROOM LAMP ..... INL-56

**S**

S CONNECTOR CIRCUIT ..... STR-21
SAFETY AND HEALTH ..... BRM-49
SEAT BELT BUCKLE SWITCH SIGNAL CIRCUIT . WCS-29
SEAT BELT INDCTR LAMP IS ON, PASS AIR BAG INDCTR IS ON OR OFF ..... SRC-123
SEAT BELT WARNING SYSTEM ..... SRC-121
SEAT MEMORY INDICATOR ..... ADP-98
SEAT MEMORY SWITCH ..... ADP-67, ADP-104
SECOND ROW SEAT BELT ..... SB-12
SECURITY INDICATOR LAMP ..... SEC-100
SENSOR POWER SUPPLY 2 CIRCUIT ..... EC-582
SENSOR ROTOR ..... BRC-203

SERVICE DATA AND SPECIFICATIONS (SDS)..... ACC-5, BR-87, CO-30, DLN-97, DLN-111, DLN-151, EC-596, EM-141, EXL-133, EXL-264, FAX-38, FAX-75, FL-32, FSU-28, HA-58, HBB-164, HCO-21, INL-60, LU-17, PB-14, PG-133, PWO-8, RAX-9, RAX-27, RSU-23, ST-42, STR-26, TM-247, VTL-18, WT-74, WW-77
SERVICE INFORMATION FOR ELECTRICAL INCIDENT ..... GI-48
SHEET METAL WORK ..... BRM-5
SHIFT LOCK SYSTEM ..... TM-196
SHIFT POSITION INDICATOR CIRCUIT ... TM-195
SHIPPING MODE CANCEL OPERATION . BCS-61
SIDE AIR BAG (SATELLITE) SENSOR ..... SR-24
SIDE AIR SPOILER ..... EXT-61
SIDE CAMERA ..... AV-443
SIDE CURTAIN AIR BAG MODULE ..... SR-20
SIDE OIL SEAL ..... DLN-123
SIDE RADAR ..... DAS-405
SIDE RADAR LH ..... DAS-285
SIDE RADAR RH ..... DAS-287
SIDE TURN SIGNAL LAMP ..... EXL-123, EXL-254
SLIDING MOTOR ..... ADP-89
SLIDING SENSOR ..... ADP-76
SLIDING SWITCH ..... ADP-58
SPARK PLUG ..... EM-26
SPINDLE MOTOR ..... DLK-252
SPIRAL CABLE ..... SR-16
SPORT MODE ..... DMS-9
SPORT MODE SWITCH ..... DMS-17, DMS-20
SPORT MODE SYSTEM ..... DMS-10
SQUEAK AND RATTLE TROUBLE DIAGNOSES .. DLK-288, EXT-19, GW-5, INT-9, IP-8, MIR-15, RF-39, SE-27
SRS AIR BAG SYSTEM ..... SRC-22
SRS AIR BAG WARNING LAMP DOES NOT TURN OFF ..... SRC-120
SRS AIR BAG WARNING LAMP DOES NOT TURN ON ..... SRC-119
STARTER MOTOR ..... STR-23
STARTER MOTOR NOT ACTIVATED ..... HBC-334
STARTING SYSTEM ..... STR-9, STR-22
STEERING ANGLE SENSOR ..... BRC-208
STEERING COLUMN ..... ST-16, ST-29
STEERING COLUMN COVERS ..... IP-17
STEERING GEAR AND LINKAGE ... ST-17, ST-34, ST-38, ST-40
STEERING KNUCKLE ..... FSU-18
STEERING SWITCH ..... AV-55, AV-133, AV-222, AV-334, MWI-71
STEERING SWITCHES .... AV-65, AV-145, AV-241, AV-354
STEERING WHEEL ..... ST-14, ST-27
STEERING WHEEL TURNING FORCE IS HEAVY OR LIGHT ..... STC-34
STOP LAMP ..... EXL-70, EXL-198
STRG BRANCH LINE CIRCUIT LAN-114, LAN-193, LAN-227, LAN-270, LAN-319, LAN-370, LAN-424, LAN-460, LAN-504, LAN-554, LAN-606
STROKE SENSOR 0 POINT LEARNING .. BRC-82
STRUCTURE AND OPERATION DLN-14, DLN-103, DLN-119, EC-36, TM-25, TMS-14
SUB RADIATOR ..... HCO-8, HCO-12
SUBWOOFER .... AV-127, AV-152, AV-328, AV-361
SUNLOAD SENSOR ..... HAC-123
SUNSHADE ..... RF-60
SUNSHADE MOTOR ASSEMBLY .... RF-14, RF-55
SUNSHADE SYSTEM DOES NOT OPERATE PROPERLY ..... RF-35
SYSTEM (AUTOMATIC BACK DOOR SYSTEM) ... DLK-40
SYSTEM (INTEGRATED HOMELINK TRANSMITTER) ..... DLK-55
SYSTEM (INTELLIGENT KEY SYSTEM) .. DLK-27
SYSTEM SETTING ..... HAC-60
SYSTEM SETTINGS CANNOT BE TURNED ON/ OFF IN VEHICLE INFORMATION DISPLAY..... DAS-388
SYSTEM SETTINGS CANNOT BE TURNED ON/ OFF ON THE INTEGRAL SWITCH.... BRC-311

**T**

TCM ..... TM-60, TM-213
TCM BRANCH LINE CIRCUIT LAN-134, LAN-199, LAN-237, LAN-282, LAN-333, LAN-388, LAN-431, LAN-471, LAN-517, LAN-569, LAN-625
TCU ..... AV-485, AV-531
TCU BRANCH LINE CIRCUIT. LAN-140, LAN-339, LAN-394, LAN-575, LAN-631
TEL ANTENNA ..... AV-533
TELEMATICS SWITCH ..... AV-532
TELEMATICS SYSTEM ..... AV-490, AV-527
THE AMBIENT TEMPERATURE DISPLAY IS INCORRECT ..... MWI-80
THE BRAKING DISTANCE IS LONG ..... BRC-187
THE DOOR OPEN WARNING CONTINUES DISPLAYING, OR DOES NOT DISPLAY MWI-76
THE ECO MODE INDICATOR DOES NOT TURN ON ..... DMS-39
THE FUEL GAUGE DOES NOT MOVE ..... MWI-73
THE LIFTGATE OPEN WARNING CONTINUES DISPLAYING, OR DOES NOT DISPLAY MWI-77
THE LIGHT REMINDER WARNING DOES NOT SOUND ..... WCS-36
THE METER CONTROL SWITCH IS INOPERATIVE MWI-78
THE OIL PRESSURE WARNING CONTINUES DISPLAYING, OR DOES NOT DISPLAY MWI-74

THE PARKING BRAKE RELEASE WARNING CONTINUES DISPLAYING, OR DOES NOT DISPLAY ..... MWI-75
THE PARKING BRAKE RELEASE WARNING CONTINUES SOUNDING, OR DOES NOT SOUND ..... WCS-34
THE SEAT BELT REMINDER WARNING CONTINUES SOUNDING, OR DOES NOT SOUND ..... WCS-35
THE SPORT MODE INDICATOR LAMP DOES NOT TURN ON ..... DMS-19
THE STEERING SWITCHES ARE INOPERATIVE MWI-79
THE SYSTEM DOES NOT DETECT THE VEHICLE AHEAD AT ALL ..... CCS-201, DAS-394
THE SYSTEM OPERATES EVEN WHEN USING TURN SIGNAL ..... DAS-396
THERMOSTAT ..... CO-24
THROTTLE VALVE CLOSED POSITION LEARNING ..... EC-155
TIGHTENING TORQUE OF STANDARD BOLTS ... GI-19
TIMING CHAIN ..... EM-65
TIRE PRESSURE MONITORING SYSTEM WT-15, WT-19
TIRE PRESSURE SENSOR ..... WT-68
TIRE SIZE INCORRECT IS DISPLAYED ON INFORMATION DISPLAY ..... DLN-68
TOP TETHER STRAP CHILD RESTRAINT . SB-16
TORSION DAMPER ..... EM-103
TOUCH SENSOR ..... DLK-247
TOW TRUCK TOWING ..... GI-40
TPMS ..... WT-53
TRACTION MOTOR INSULATION RESISTANCE CHECK ..... TMS-127
TRACTION MOTOR INVERTER TMS-33, TMS-41, TMS-132
TRACTION MOTOR INVERTER INSULATION RESISTANCE CHECK ..... TMS-128
TRANSAXLE ASSEMBLY ..... TM-243
TRANSFER ASSEMBLY ..... DLN-75
TRANSFER CASE ..... DLN-93
TRANSFER COVER ..... DLN-77
TRANSFER COVER OIL SEAL ..... DLN-74
TRANSFER OIL ..... DLN-70
TRANSMISSION RANGE SWITCH ..... TM-215
TRANSVERSE LINK ..... FSU-13
TROUBLE DIAGNOSIS ..... LAN-20
TROUBLE DIAGNOSIS - SPECIFICATION VALUE EC-176
TURN SIGNAL AND HAZARD WARNING LAMP SYSTEM ..... EXL-52, EXL-180
TURN SIGNAL LAMP CIRCUIT .. EXL-89, EXL-218

**U**

U0073 COMMUNICATION BUS A OFF ..... TM-102
U0100 CAN COMMUNICATION ..... HBC-123
U0100 LOST COMMUNICATION (ECM A) . TM-103
U0100 LOST COMMUNICATION ECM .. HBB-135, TMS-108
U0101 CAN COMM CIRCUIT ..... EC-188
U0101 CAN COMMUNICATION (TCM) ... HBC-126
U0101 LOST COMMUNICATION TCM ... HBB-137, TMS-110
U0104 ADAS CAN 1 ..... BRC-301, DAS-349
U0107 CAN COMMUNICATION (ADAS C/U) ..... HBC-128
U0110 CAN COMMUNICATION (TRACTION MOTOR INVERTER) ..... HBC-129
U0110 LOST COMMUNICATION (DRIVE MOTOR A) ..... TM-104
U0110 LOST COMMUNICATION INV/MC HBB-139
U0111 CAN COMMUNICATION (LI-ION BATTERY CONTROLER) ..... HBC-131
U0111 LOST COMMUNICATION LBC ..... TMS-112
U0121 VDC CAN 2 ..... CCS-148, DAS-130
U0122 VDC CAN CIR1 (LDP) ..... DAS-352
U0126 STRG SEN CAN 1 ..... BRC-303, CCS-152, DAS-133, DAS-354
U0140 LOST COMMUNICATION (BCM) .... TM-105
U0140 LOST COMMUNICATION BCM ... HBB-141
U0155 LOST COMMUNICATION (IPC) ..... TM-106
U0155 LOST COMMUNICATION METER HBB-142
U0155 METER CAN 1 ..... DAS-136
U0164 LOST COMMUNICATION (HVAC) .. TM-107
U0235 ICC SENSOR CAN 1 .... CCS-155, DAS-138
U0284 ACTIVE GRILLE SHUTTER ..... EC-189
U0293 HYBRID POWERTRAIN CONTROL MODULE ..... EC-192
U0293 LOST COMMUNICATION (HPCM) . TM-108
U0293 LOST COMMUNICATION HCM .... TMS-114
U0293 LOST COMMUNICATION HPCM . HBB-143
U0300 CAN COMMUNICATION DATA ..... TM-109
U0401 ECM CAN 1 ..... CCS-156, DAS-140
U0402 TCM CAN 1 ..... CCS-158, DAS-142
U0405 ADAS CAN 2 ..... BRC-305, DAS-356
U0415 VDC CAN 1 .. CCS-160, DAS-144, DAS-359
U0415 VEHICLE SPEED SIG ..... BCS-64
U0428 STEERING ANGLE SENSOR ..... AV-412
U0428 STRG SEN CAN 2 ..... BRC-307, CCS-163, DAS-147, DAS-361
U1000 CAN COMM CIRCUIT ..... ADP-46, AV-193, AV-293, AV-414, AV-506, BCS-62, BR-37, BRC-165, BRC-298, CCS-166, DAS-150, DAS-363, DLK-117, DLN-60, EC-194, HBB-145, MWI-56, PCS-38, PCS-80, SRC-117, STC-30, TM-111, TMS-116, VSP-29, WT-49
U1000 CAN COMMUNICATION ..... HBC-133
U1000-00 CAN COMM CIRCUIT ..... DAS-502
U1000-01 CAN COMM CIRCUIT HAC-64, LAN-175

U1010 CONTROL UNIT (CAN) ... ADP-47, AV-194, AV-294, AV-415, AV-507, BCS-63, BR-38, BRC-167, BRC-300, CCS-170, DAS-153, DAS-367, DLK-118, DLN-61, MWI-57, PCS-81, SRC-118, VSP-30, WT-50
U1010-49 CONTROL UNIT (CAN) ..... HAC-65
U1010-49 CONTROL UNIT(CAN) ..... LAN-176
U1040 ENG COMM CIRCUIT ..... EC-195
U1044 ENG COMM CIRCUIT ..... EC-196
U110E LOST COMMUNICATION (HPCM) .. TM-112
U110F LOST COMMUNICATION (ECM) .... TM-113
U1110 LOST COMMUNICATION (TRACTION MOTOR INVERTER) ..... TM-114
U1117 LOST COMMUNICATION (ABS) ..... TM-115
U111A REAR CAMERA IMAGE SIGNAL CIRCUIT AV-416
U111B SIDE CAMERA RH IMAGE SIGNAL CIRCUIT ..... AV-419
U111C FRONT CAMERA IMAGE SIGNAL CIRCUIT AV-423
U111D SIDE CAMERA LH IMAGE SIGNAL CIRCUIT ..... AV-425
U1217 AV CONTROL UNIT ..... AV-195, AV-295
U1229 AV CONTROL UNIT ..... AV-196, AV-296
U122F AV CONTROL UNIT ..... AV-197, AV-297
U1232 STEERING ANGLE SENSOR ..... AV-429
U1244 GPS ANTENNA ..... AV-198, AV-298
U1258 SATELLITE RADIO ANTENNA ..... AV-199, AV-299
U1263 USB ..... AV-201, AV-301
U1265 AUDIO AMP. ..... AV-302
U12AA CONFIGURATION ERROR AV-202, AV-304
U12AB ANTENNA ..... AV-203, AV-305
U12AC AV CONTROL UNIT ..... AV-204, AV-306
U12AD AV CONTROL UNIT ..... AV-205, AV-307
U12AE AV CONTROL UNIT ..... AV-206, AV-308
U12AF AV CONTROL UNIT ..... AV-207, AV-309
U12B0 POWER SUPPLY VOLTAGE AV-208, AV-310
U12B1 POWER SUPPLY VOLTAGE AV-209, AV-311
U1300 AV COMM CIRCUIT ..... AV-210, AV-312
U1302 CAMERA POWER VOLT ..... AV-430
U1304 CAMERA IMAGE CALIBRATION .... AV-435
U1305 CONFIG UNFINISH ..... AV-436
U1310 CONTROL UNIT (AV) ..... AV-212, AV-314
U1320 REPROGRAMMING ERROR ..... DLK-198
U1321 ABD CONFIGURATION ..... DLK-200
U1321 CONFIG UNFINISH ..... HBB-146, TMS-117
U1321 CONFIGURATION ..... DAS-169, DAS-370
U1321-55 CONFIG ERROR ..... LAN-177
U1322 ABD CONFIGURATION ..... DLK-201
U1322 CONFIGURATION ..... DAS-371
U1325 CALIBRATION ..... DLK-203
U1402 CVT CAN CIR1 ..... DAS-170
U1500 CAM CAN 2 ..... DAS-172
U1501 CAM CAN 1 ..... DAS-175
U1502 ICC SENSOR CAN COMM CIRC . DAS-178
U1503 SIDE RDR L CAN 2 ..... DAS-179
U1504 SIDE RDR L CAN 1 ..... DAS-182
U1505 SIDE RDR R CAN 2 ..... DAS-185
U1506 SIDE RDR R CAN 1 ..... DAS-188
U1507 LOST COMM(SIDE RDR R) ..... DAS-191
U1508 LOST COMM(SIDE RDR L) ..... DAS-194
U150B ECM CAN 3 ..... CCS-173, DAS-155
U150C VDC CAN 3 ..... CCS-175, DAS-157
U150D TCM CAN 3 ..... CCS-177, DAS-159
U150E BCM CAN 3 ..... CCS-179, DAS-161
U150E CAN ERROR ..... TMS-118
U1513 CAN ERROR ..... TMS-119
U1513 METER CAN 3 ..... CCS-181, DAS-197
U1514 STRG SEN CAN 3 ..... CCS-183, DAS-199
U1515 ICC SENSOR CAN 3 ... CCS-185, DAS-201
U1516 CAM CAN 3 ..... DAS-202
U1518 SIDE RDR L CAN 3 ..... DAS-204
U1519 SIDE RDR R CAN 3 ..... DAS-206
U151D HPCM CAN CIRCUIT 2 ..... DAS-163
U151E HPCM CAN CIRCUIT 1 ..... DAS-166
U1920 CAN ERROR ..... TMS-120
U1921 CAN ERROR ..... TMS-121
U1922 CAN ERROR ..... TMS-123
U1A01 TCU ..... AV-508
U1A02 TCU ..... AV-509
U1A03 TCU ..... AV-510
U1A04 TCU ..... AV-511
U1A05 TCU ..... AV-512
U1A06 TEL ANTENNA ..... AV-514
U1A09 GPS ANTENNA ..... AV-516
U1A0A TCU ..... AV-518
U1A0B MICROPHONE ..... AV-519
U1A0E TELEMATICS SWITCH ..... AV-521
U1A10 TCU ..... AV-523
U1A11 TCU ..... AV-524
U1A34-00 BRAKE CONTROL COMMUNICATION . DAS-503
U1A35-00 BRAKE CONTROL COMMUNICATION . DAS-505
U1A36-00 BCM/IPDM COMMUNICATION DAS-507
U1A39-00 COMBINATION METER COMMUNICATION ..... DAS-509
U1A3B-00 TCM COMMUNICATION ..... DAS-511
U1A42-00 STEERING ANGLE SENSOR COMMUNICATION ..... DAS-513
U1A43-00 STEERING ANGLE SENSOR COMMUNICATION ..... DAS-515
U1A48-00 ECM/HPCM COMMUNICATION DAS-517
U1A4A-00 CONTROL MODULE (CAN) ... DAS-519
U1A4B-00 CONTROL MODULE (CAN) ... DAS-520
U1A4E-00 ECM/HPCM COMMUNICATION ..... DAS-521
U216C SIDE RADAR LEFT ..... DAS-372
U216E SIDE RADAR RIGHT ..... DAS-374
U300A IGNITION SWITCH ..... TMS-125

UNBALANCE STEERING WHEEL TURNING FORCE (TORQUE VARIATION) ..... STC-37
UNBALANCE STEERING WHEEL TURNING FORCE AND RETURN BETWEEN RIGHT AND LEFT ..... STC-36
UNDER COVER ..... EXT-49
UNEXPECTED BRAKE PEDAL REACTION ..... BRC-184
UNIT CHARACTERISTICS WRITING ..... DLN-40
UNLOCK SENSOR ..... DLK-221
UPPER LINK ..... RSU-18
USB CONNECTOR AV-57, AV-135, AV-224, AV-336
USB INTERFACE AND AUX IN JACK ..... AV-70, AV-153, AV-246, AV-362

## V

VANITY MIRROR LAMP ..... INL-54
VARIABLE BLOWER CONTROL ..... HAC-129
VDC OFF INDICATOR LAMP ..... BRC-181
VDC OFF SWITCH ..... BRC-174, BRC-206
VDC WARNING LAMP ..... BRC-180
VEHICLE CAN COMMUNICATION 1 CIRCUIT ..... LAN-141, LAN-204, LAN-242, LAN-288, LAN-340, LAN-395, LAN-436, LAN-476, LAN-523, LAN-576, LAN-632
VEHICLE CAN COMMUNICATION 2 CIRCUIT ..... LAN-143, LAN-206, LAN-244, LAN-290, LAN-342, LAN-397, LAN-438, LAN-478, LAN-525, LAN-578, LAN-634
VEHICLE DOES NOT ENTER AWD MODE DLN-66
VEHICLE JERKS DURING ..... BRC-197
VEHICLE SECURITY SYSTEM ..... SEC-49
VENTILATION SYSTEM ..... VTL-6
VIN REGISTRATION ..... EC-154
VSP BRANCH LINE CIRCUIT . LAN-125, LAN-198, LAN-232, LAN-276, LAN-326, LAN-380, LAN-430, LAN-466, LAN-511, LAN-562, LAN-617

## W

WARNING BUZZER ..... BR-68
WARNING BUZZER CIRCUIT ..... BR-43, DAS-380
WARNING CHIME SYSTEM ..... WCS-18
WARNING CHIME SYSTEM SYMPTOMS WCS-33
WARNING SYSTEM SWITCH CIRCUIT .. DAS-382
WARNING SYSTEMS BUZZER ..... DAS-407
WARNING SYSTEMS ON INDICATOR CIRCUIT .. DAS-384
WARNING SYSTEMS SWITCH ..... DAS-409
WASHER MOTOR CIRCUIT ..... WW-41
WASHER SWITCH ..... WW-43
WASHER TANK ..... WW-54
WATER HOSE ..... TM-230
WATER OUTLET ..... CO-27
WHEEL ..... WT-63
WHEEL ALIGNMENT ..... FSU-7, RSU-6
WHEEL AND TIRE ..... WT-64, WT-67
WHEEL SENSOR ..... BRC-200
WIND DEFLECTOR ..... RF-56
WINDSHIELD GLASS ..... GW-11
WIPER AND WASHER FUSE ..... WW-34
WIPER AND WASHER SWITCH ..... WW-69
WIPER AND WASHER SYSTEM SYMPTOMS ..... WW-48