

SYSTEM OUTLINE

The multiplex communication system communicates among the gateway ECU, driver side J/B ECU, passenger side J/B ECU, luggage room J/B ECU, driver door ECU, front passenger door ECU, rear door LH ECU, rear door RH ECU, theft deterrent ECU, transponder key computer, steering lock ECU, moon roof control ECU, rain sensor, driver seat ECU, rear LH seat ECU, rear RH seat ECU, rear seat control SW, combination meter, skid control ECU, airbag sensor assembly, engine and ECT ECU, A/C control assembly, center cluster integration panel, combination SW, clearance sonar ECU, front controller, power tilt and power telescopic ECU, radio and player, multi-display and controls the following systems according to the signals from respective sensors or switches.

MULTIPLEX COMMUNICATION SYSTEM INCLUDES FOLLOWING SYSTEMS

- * **AUTOMATIC LIGHT CONTROL**
- * **BACK-UP LIGHT**
- * **DOOR LOCK CONTROL**
- * **FRONT FOG LIGHT**
- * **FUEL LID OPENER**
- * **HEADLIGHT**
- * **HORN**
- * **ILLUMINATION**
- * **INTERIOR LIGHT**
- * **KEY REMINDER AND SEAT BELT WARNING**
- * **LIGHT AUTO TURN OFF**
- * **LUGGAGE COMPARTMENT DOOR OPENER AND CLOSER**
- * **MIRROR HEATER**
- * **POWER SHOULDER BELT ANCHORGE**
- * **POWER WINDOW**
- * **REAR AIR CONDITIONER**
- * **REMOTE CONTROL MIRROR**
- * **STOP LIGHT**
- * **TAILLIGHT**
- * **THEFT DETERRENT**
- * **TURN SIGNAL AND HAZARD WARNING LIGHT**
- * **WIPER AND WASHER**
- * **WIRELESS DOOR LOCK CONTROL**

SERVICE HINTS

G1 GATEWAY ECU

- 12-GROUND : Always approx. **12** volts
- 2-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
- 13-GROUND : Approx. **12** volts with ignition SW at **ON** or **ACC** position
- 11, 22-GROUND : Always continuity

MULTIPLEX COMMUNICATION SYSTEM (COMMUNICATION BUS) [RHD]

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A14	130 (RHD)	E3	126 (RHD)	P7	132 (RHD)
A27	130 (RHD)	F17	134 (RHD)	R5	133 (RHD)
C6	130 (RHD)	G1	131 (RHD)	R8	136 (RHD)
C12	130 (RHD)	J11	A 131 (RHD)	R15	136 (RHD)
C13	130 (RHD)	J12	B 131 (RHD)	R16	136 (RHD)
C14	130 (RHD)	J13	A 131 (RHD)	R27	139 (RHD)
C17	134 (RHD)	J14	B 131 (RHD)	R28	139 (RHD)
D1	131 (RHD)	J31	139 (RHD)	R29	139 (RHD)
D2	A 131 (RHD)	L13	135 (RHD)	S13	133 (RHD)
D3	B 131 (RHD)	M2	132 (RHD)	S17	133 (RHD)
D4	C 131 (RHD)	M4	136 (RHD)	T5	133 (RHD)
D25	134 (RHD)	O6	136 (RHD)	T9	133 (RHD)
D28	138 (RHD)	P3	A 132 (RHD)		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	82	Engine Room No.2 R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
DE	100 (RHD)	Instrument Panel Wire and Driver Side J/B (Right Kick Panel)
DF		
DH		
DI	101 (RHD)	Floor Wire and Driver Side J/B (Right Kick Panel)
PE	105 (RHD)	Instrument Panel Wire and Passenger Side J/B (Left Kick Panel)
PF		
PH		
PI	107 (RHD)	Floor No.2 Wire and Passenger Side J/B (Left Kick Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	154 (RHD)	Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)
IB1	154 (RHD)	Instrument Panel Wire and Roof Wire (Cowl Side Panel LH)
IC3	154 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Cowl Side Panel LH)
IC4		
ID1	154 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Cowl Side Panel LH)
ID3		
II1	156 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
BA2	158 (RHD)	Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)
BB2	158 (RHD)	Rear Door No.1 Wire and Floor Wire (Right Center Pillar)
BC1	158 (RHD)	Floor No.2 Wire and Floor Wire (Rear Floor Partition Panel LH)
BE1	158 (RHD)	Floor No.2 Wire and Floor Wire (Lower Back Panel RH)
BG1	160 (RHD)	Floor Wire and Front Seat RH Wire (Under the Driver's Seat)
BH1	162 (RHD)	Rear Seat LH Wire and Floor No.2 Wire (Under the Rear Passenger's LH Seat)
BI1	162 (RHD)	Rear Seat RH Wire and Floor Wire (Under the Rear Passenger's RH Seat)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
II	154 (RHD)	Left Side of Shift Lever



: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	156 (RHD)	Instrument Panel Wire			