

## 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) [LHD]

## ○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A14	116 (LHD)	E3	112 (LHD)	P7	118 (LHD)
A27	116 (LHD)	F17	120 (LHD)	R5	119 (LHD)
C6	116 (LHD)	G1	117 (LHD)	R8	122 (LHD)
C12	116 (LHD)	J11	A 117 (LHD)	R15	122 (LHD)
C13	116 (LHD)	J12	B 117 (LHD)	R16	122 (LHD)
C14	116 (LHD)	J13	A 117 (LHD)	R27	125 (LHD)
C17	120 (LHD)	J14	B 117 (LHD)	R28	125 (LHD)
D1	117 (LHD)	J31	125 (LHD)	R29	125 (LHD)
D2	A 117 (LHD)	L13	121 (LHD)	S13	119 (LHD)
D3	B 117 (LHD)	M2	118 (LHD)	S17	119 (LHD)
D4	C 117 (LHD)	M4	122 (LHD)	T5	119 (LHD)
D25	120 (LHD)	O6	122 (LHD)	T9	119 (LHD)
D28	124 (LHD)	P3	A 118 (LHD)		

## ○ : 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	87 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
DF		
DH		
DI	89 (LHD)	Floor No.2 Wire and Driver Side J/B (Left Kick Panel)
PC	93 (LHD)	Engine Room Main Wire and Passenger Side J/B (Right Kick Panel)
PE	94 (LHD)	Instrument Panel Wire and Passenger Side J/B (Right Kick Panel)
PF		
PH		
PI	95 (LHD)	Floor Wire and Passenger Side J/B (Right Kick Panel)

## □ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	142 (LHD)	Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)
IC3	142 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Cowl Side Panel LH)
IH2	144 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Cowl Side Panel RH)
II1	144 (LHD)	Instrument Panel Wire and Roof Wire (Cowl Side Panel RH)
IJ1	144 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
BA2	146 (LHD)	Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)
BB2	146 (LHD)	Rear Door No.1 Wire and Floor Wire (Right Center Pillar)
BC1	146 (LHD)	Floor No.2 Wire and Floor Wire (Rear Floor Partition Panel LH)
BF1	148 (LHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)
BH1	150 (LHD)	Rear Seat LH Wire and Floor No.2 Wire (Under the Rear Passenger's LH Seat)
BI1	150 (LHD)	Rear Seat RH Wire and Floor Wire (Under the Rear Passenger's RH Seat)

## ▽ : GROUND POINTS

Code	See Page	Ground Points Location
IH	142 (LHD)	Right Side of Shift Lever

## ○ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	144 (LHD)	Instrument Panel Wire			

