Multiplex Communication System (LHD)

System Outline

The multiplex communication system communicates among the body ECU and controls the following systems according to the signals from respective sensors or switches.

Multiplex Communication System Includes Following Systems

- * Automatic Light Control
- * Door Lock Control
- * Headlight
- * Interior Light
- * Key Reminder
- * Light Auto Turn Off
- * Wireless Door Lock Control

Service Hints

Body ECU

9-Ground: Approx. 12 volts with ignition SW at ON or ST position

12, 24–Ground : Always continuity 1–Ground : Always approx. 12 volts

: Parts Location

Code		See Page	Code	See Page	Code		See Page
A16		36 (LHD 1MZ-FE)	D10	42 (LHD)	J4		41 (LHD)
		38 (*1)	D11	42 (LHD)	J5		41 (LHD)
A32		40 (LHD)	D12	42 (LHD)	J7	Α	41 (LHD)
B5	Α	40 (LHD)	D14	42 (LHD)	J8 B		41 (LHD)
В6	В	40 (LHD)	D15	42 (LHD)	J12		41 (LHD)
B7	С	40 (LHD)	H5	36 (LHD 1MZ-FE)	L4 L5		43 (LHD)
C7	Α	40 (LHD)	113	38 (*1)			43 (LHD)
C8	В	40 (LHD)	H6	36 (LHD 1MZ-FE)	M4		43 (LHD)
С	11	40 (LHD)	110	38 (*1)	N4		43 (LHD)
	3	40 (LHD)	H7	36 (LHD 1MZ-FE)	T5		41 (LHD)
D5		42 (LHD)	117	38 (*1)	U1		41 (LHD)
D6		42 (LHD)	H8	36 (LHD 1MZ-FE)	V7		43 (LHD)
D7		42 (LHD)	110	38 (*1)	V8		43 (LHD)
D8		42 (LHD)	l14	41 (LHD)			
D9		42 (LHD)	l17	42 (LHD)		·	

^{* 1 :} LHD 2AZ-FE, 1AZ-FE

: Relay Blocks

	Code	See Page	Relay Blocks (Relay Block Location)
1	1	22	Engine Room R/B (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)			
1B					
1C	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)			
1E					
1F					
1H					
2A		Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)			
2B	28				
2C					
2E					
2F	28	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)			
2G					
2H	28	Floor Wire and Driver Side J/B (Lower Finish Panel)			
2K	20	Thou wile and briver side 3/b (Lower Fillish Faller)			
2L		Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)			
2M					
2N	29				
2Q					
2R					
2S					
3A	34 (LHD)	Instrument Panel Wire and Passenger Side J/B (Instrument Panel Brace RH)			
3B	01(2.12)	modernion transaction and according to the according to t			

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)				
IA1	60 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)				
IB1	60 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)				
IB2	00 (LHD)	Triont Door Lit will and institution it and will (Left Not Faller)				
IC2	60 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)				
IE1	60 (LHD) Instrument Panel Wire and Roof Wire (Inside of Front Left Pillar)					
IF3	60 (LHD) Engine Room Main Wire and Instrument Panel Wire (Right Side of Steering Column Tube)					
IK2	62 (LHD) Engine Wire and Instrument Panel Wire (Behind the Glove Box)					
IL1	62 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)				
IL2	02 (LITD)	Florit Door Kin Wile and institutient Faller Wile (Kight NCK Paller)				
IM2	62 (LHD)	Instrument Danel Wire and Elear No. 2 Wire (Dight Kick Dane)				
IM3	02 (LITD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)				
BA1	64 (LHD)	Rear Door LH Wire and Floor Wire (Left Center Pillar)				
BB1	64 (LHD)	Rear Door RH Wire and Floor No.2 Wire (Right Center Pillar)				

: Ground Points

Code	See Page	Ground Points Location	
EB	56 (LHD 1MZ-FE)	Right Fender	
	58 (*1)	righti chidei	
EC	56 (LHD 1MZ-FE)	Left Fender	
	58 (*1)	Letti chidei	
II	60 (LHD)	Cowl Side Panel LH	
IJ	60 (LHD)	Instrument Panel Brace LH	
IK	00 (LI ID)	installent and blace En	
IM	60 (LHD)	Instrument Panel Reinforcement RH	
ВО	64 (LHD)	Under the Driver's Seat	
BR	64 (LHD)	Front Side of Rear Quarter Wheel House RH	

^{* 1 :} LHD 2AZ-FE, 1AZ-FE

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: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	56 (LHD 1MZ-FE)	Engine Room Main Wire	B1	64 (LHD)	Roof Wire
"	58 (*1)		B2	64 (LHD)	Front Door LH Wire
E2	56 (LHD 1MZ-FE)		B5	64 (LHD)	Floor Wire
"	58 (*1)	Engine Wire			

^{* 1 :} LHD 2AZ-FE, 1AZ-FE