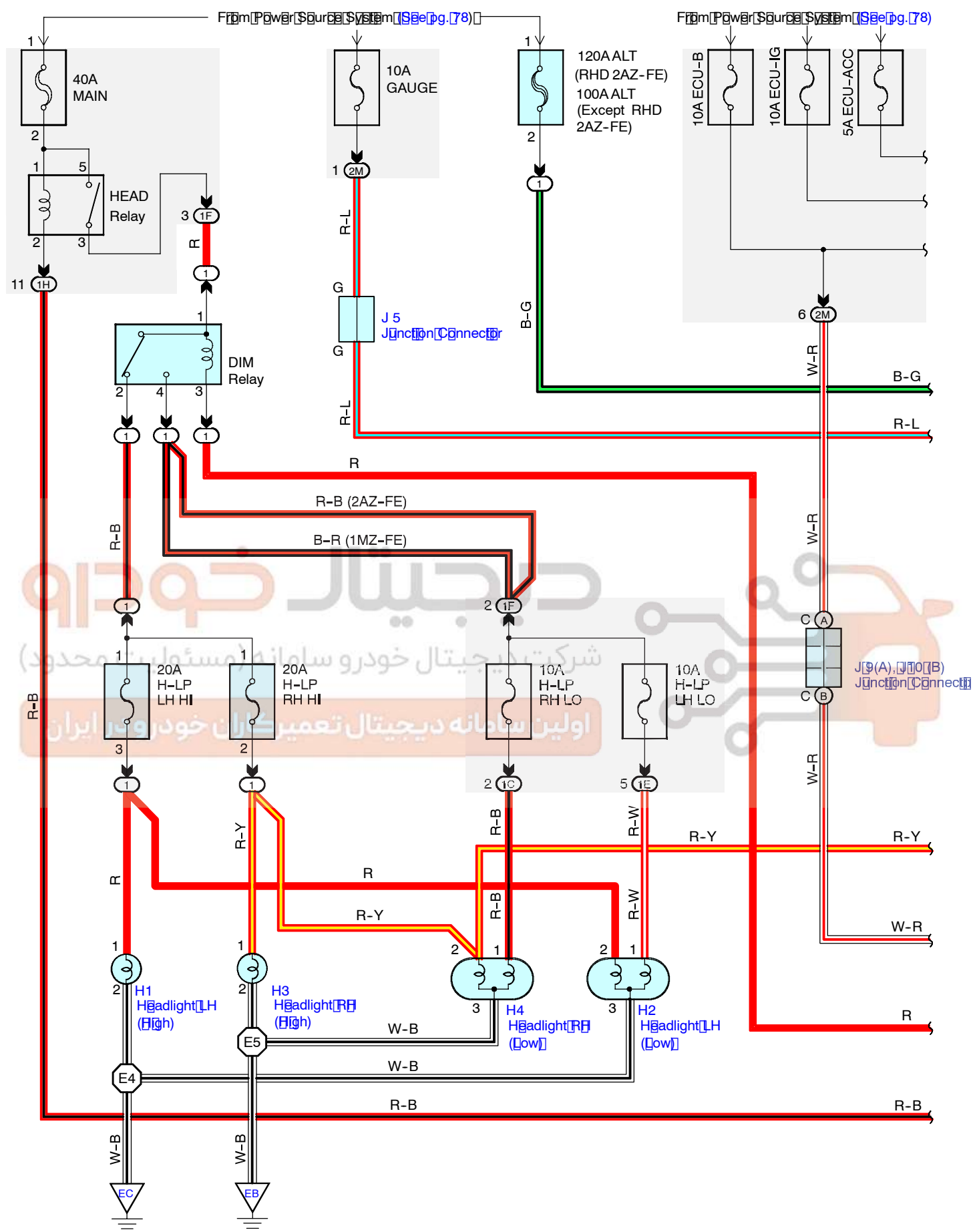
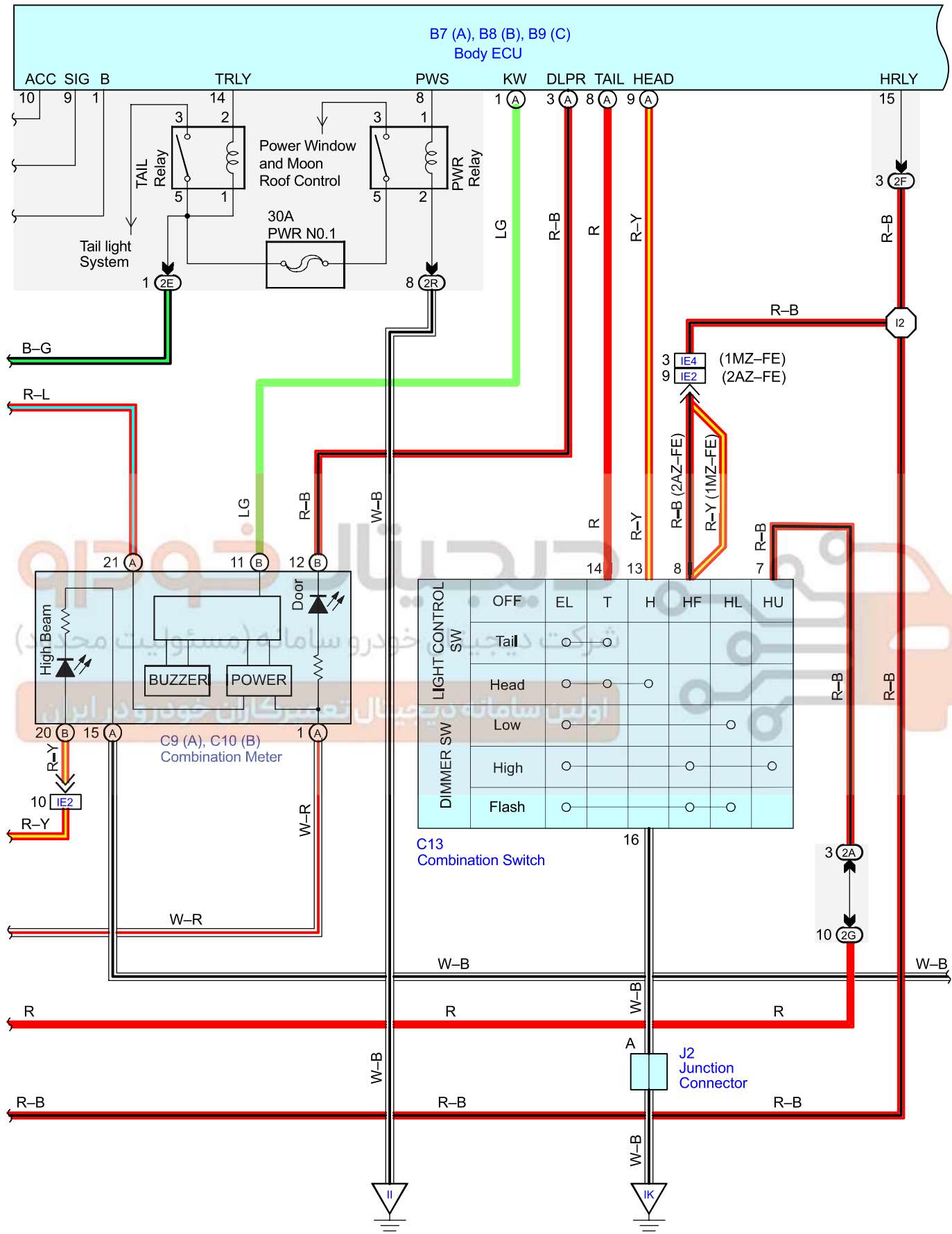
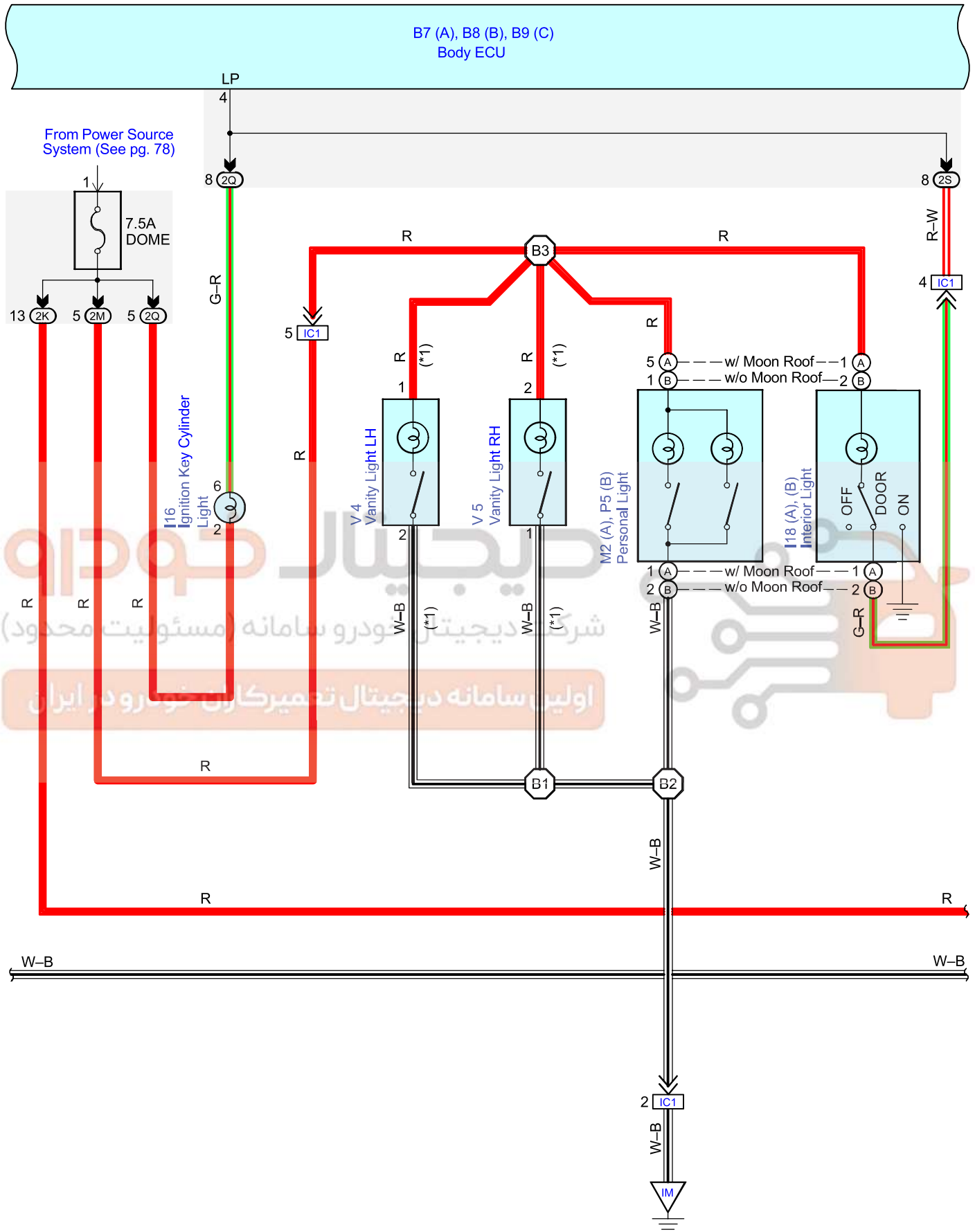


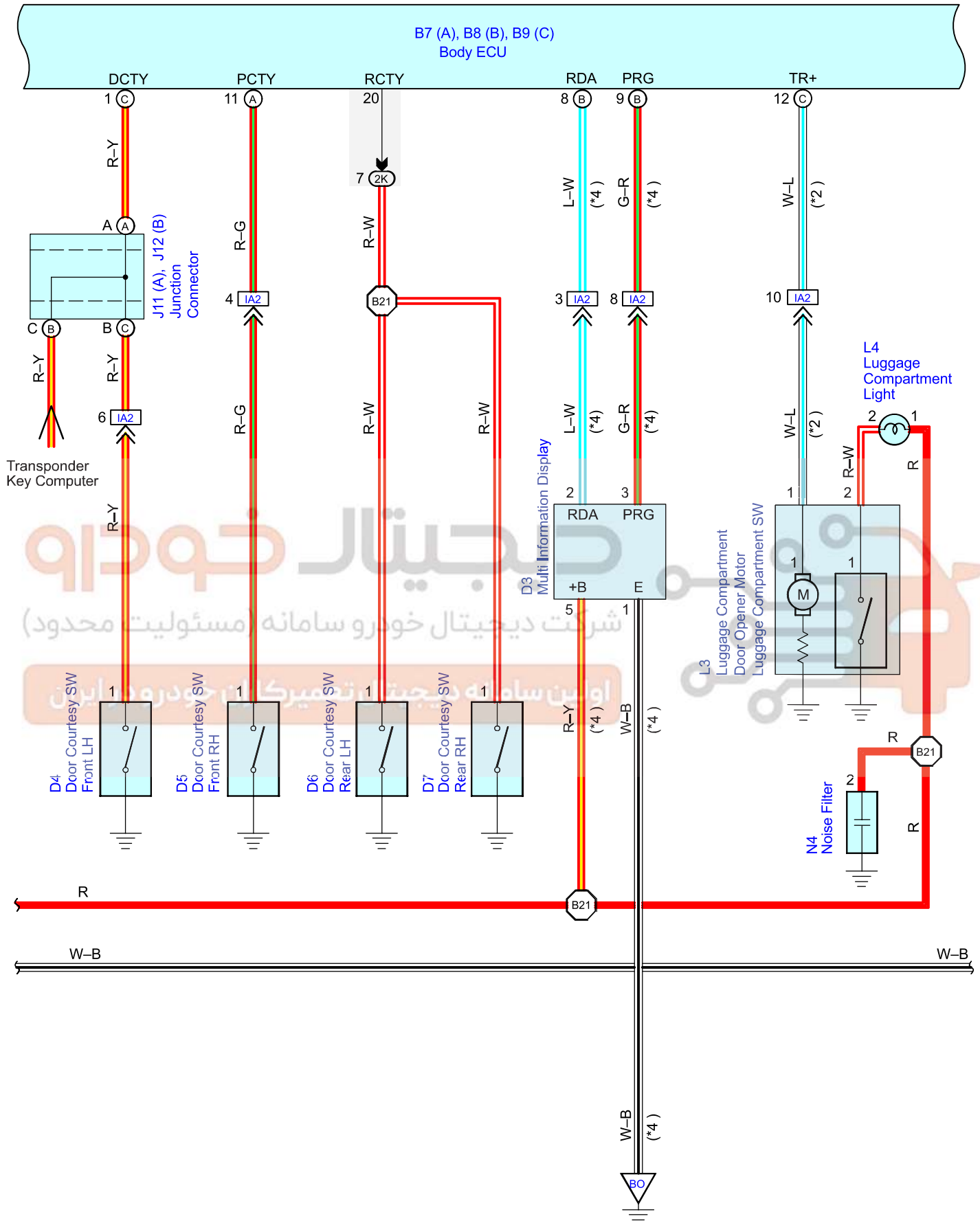




*1 : w/ Vanity Light



*2 : w/ Luggage Compartment Door Opener
 *4 : w/ Wireless Door Lock Control

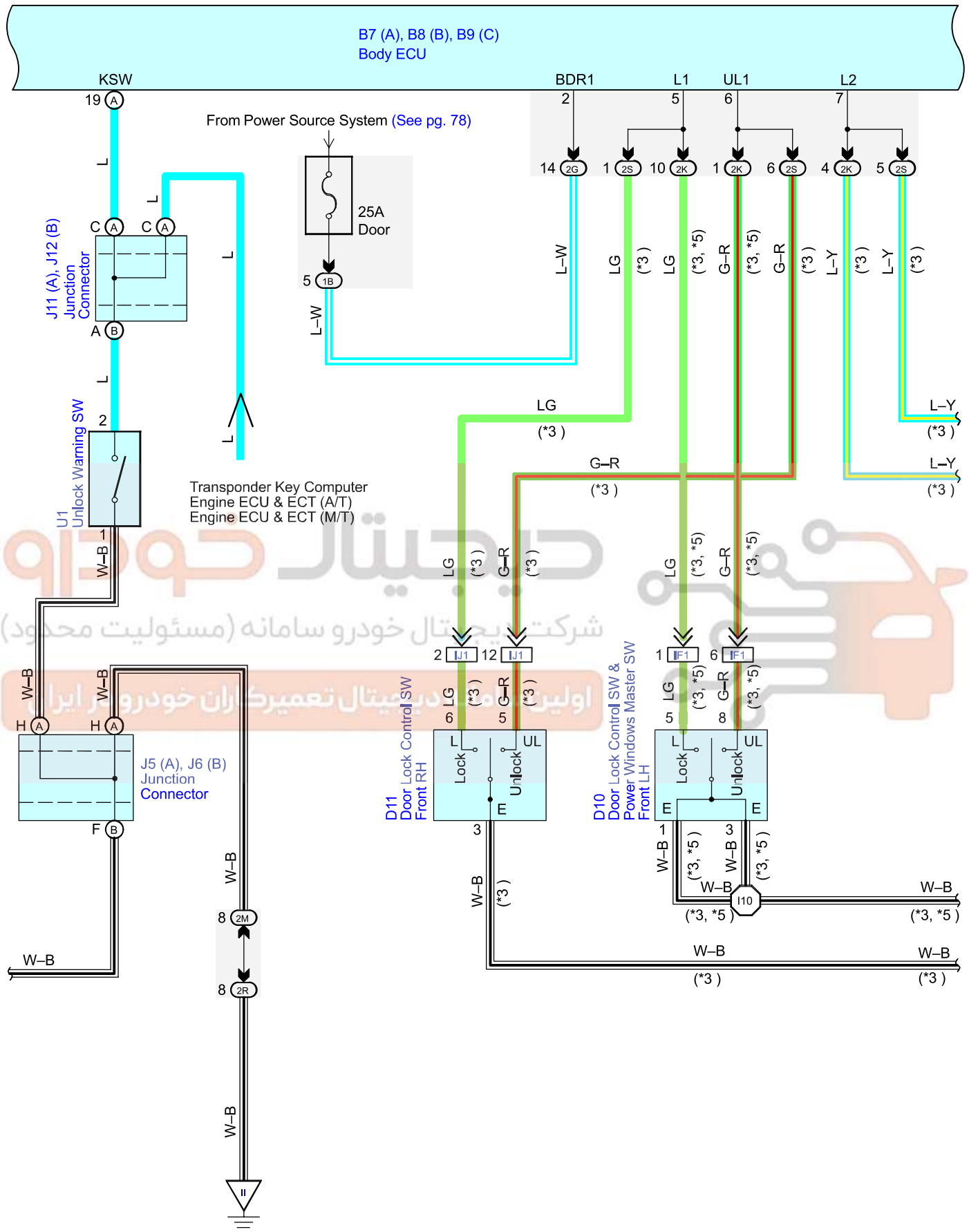


Multiplex Communication System (LHD)

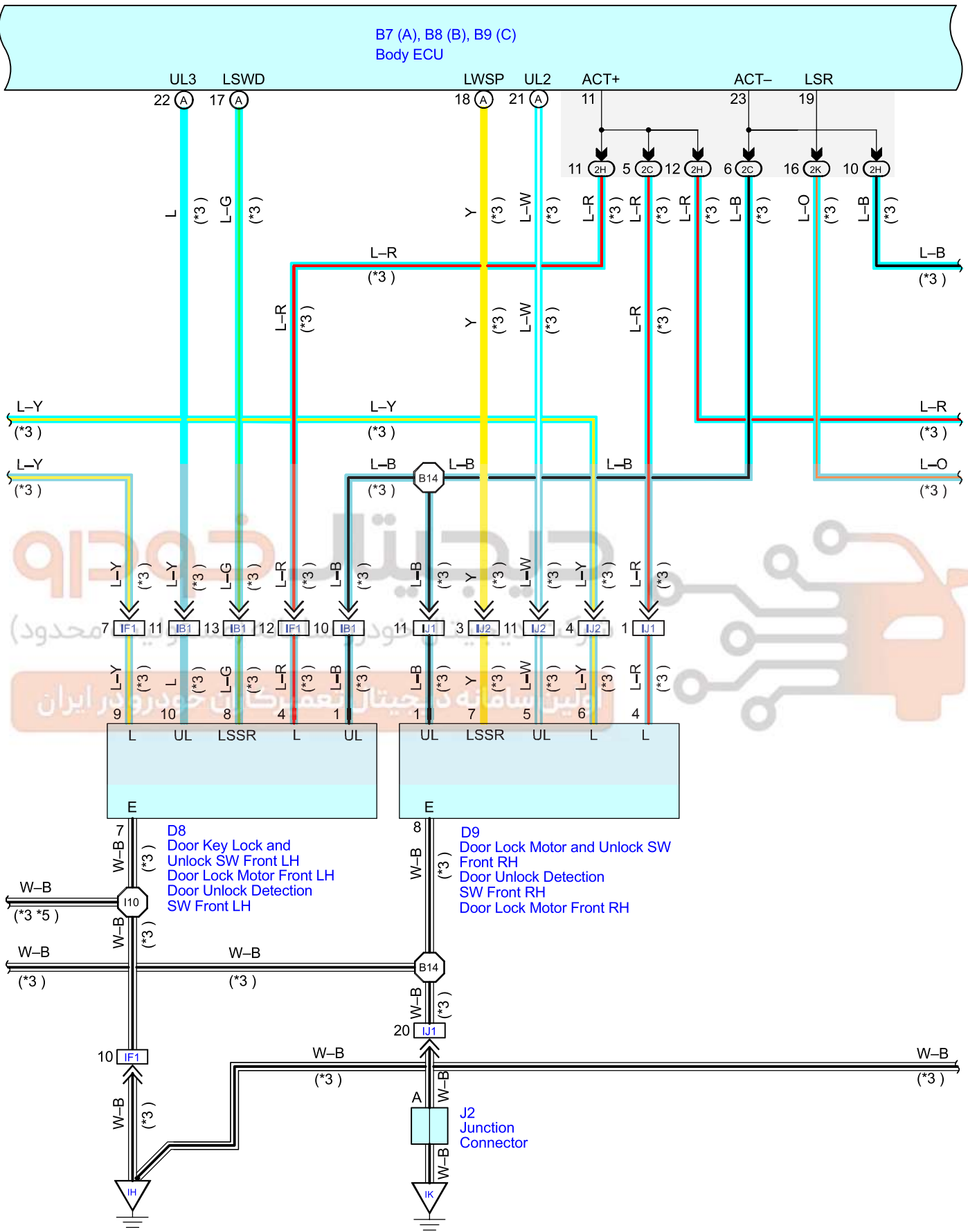
System Outline

Service Hints

*3 : Door Lock Control
 *5 : Jam Protection

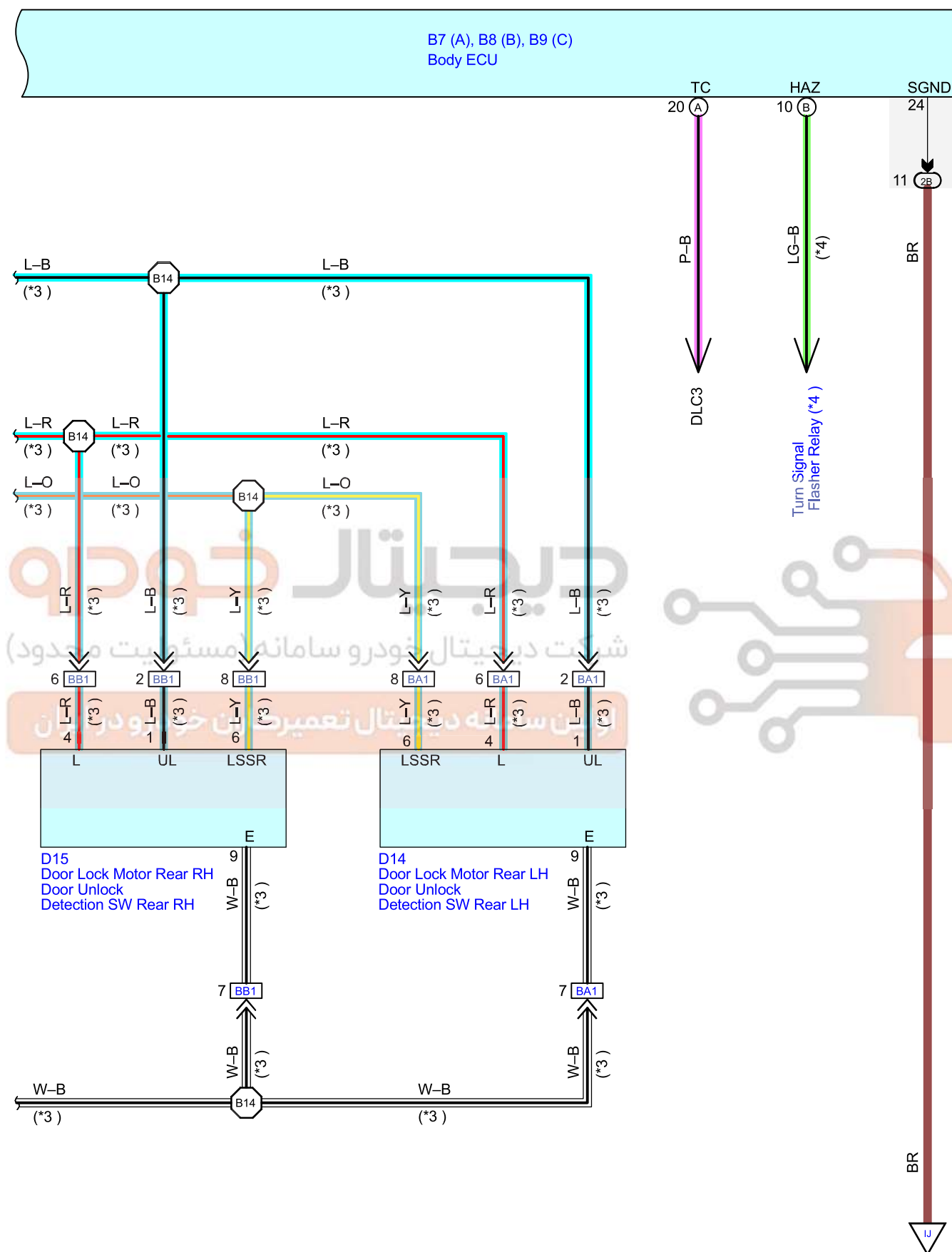


*3 : Door Lock Control
*5 : Jam Protection



*3 : Door Lock Control

*4 : w/ Wireless Door Lock Control



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

SIG9–Ground : Approx. 12 volts with ignition SW at ON or ST position
SGND24–Ground : Always continuity
B1–Ground : Always approx. 12 volts

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B7	A	D10		J9	A
B8	B	D11		J10	B
B9	C	D14	38 (LHD)	J11	A
B10	D	D15		J12	B
C9	A	H1		L3	
C10	B	H2	32 (LHD (1MZ–FE))	L4	38 (LHD)
C13		H3	34 (LHD 2AZ–FE)	M2	A
D3		H4		N4	38 (LHD)
D4		I16	37 (LHD)	P5	B
D5		I18	A	U1	37 (LHD)
D6	38 (LHD)	I18	B	V4	39 (LHD)
D7		J2		V5	39 (LHD)
D8		J5	A		
D9		J6	B		

○ : Relay Blocks

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

Multiplex Communication System (LHD)



: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	24	Engine Room Main Wire and Engine Room J/B
1C		
1E		
1F		
1H		
2A	26	Instrument Panel Wire and Driver Side J/B
2B		
2C		
2E	26	Engine Room Main Wire and Driver Side J/B
2F	26	Engine Room Main Wire
2G	26	Engine Room Main Wire and Driver Side J/B
2H		
2K	26	Floor Wire and Driver Side J/B
2M	26	Instrument Panel Wire and Driver Side J/B
2Q		
2R		
2S		



: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BA1	60 (LHD)	Rear Door LH Wire and Floor Wire (Left Center Pillar)
BB1	60 (LHD)	Rear Door RH Wire and Floor Wire (Right Center Pillar)
IA2	55 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IB1	55 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC1	55 (LHD)	Instrument Panel Wire and Roof Wire (Inside of Front Left Pillar)
IE2	55 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Right Side of Steering Column Tube)
IE4	55 (LHD)	
IF1	55 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IJ1	58 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IJ2	58 (LHD)	



: Ground Points

Code	See Page	Ground Points Location
EC	52 (LHD 1MZ-FE)	Left Fender
	54 (LHD 2AZ-FE)	
EB	52 (LHD 1MZ-FE)	Right Fender
	54 (LHD 2AZ-FE)	
BO	60 (LHD)	Front Side of Rear Quarter Wheel House LH
IH	55 (LHD)	Left Kick Panel
II	55 (LHD)	Instrument Panel Reinforcement LH
IJ	55 (LHD)	Instrument Panel Brace LH
IK		
IM	55 (LHD)	Instrument Panel Reinforcement RH



: Splice Points

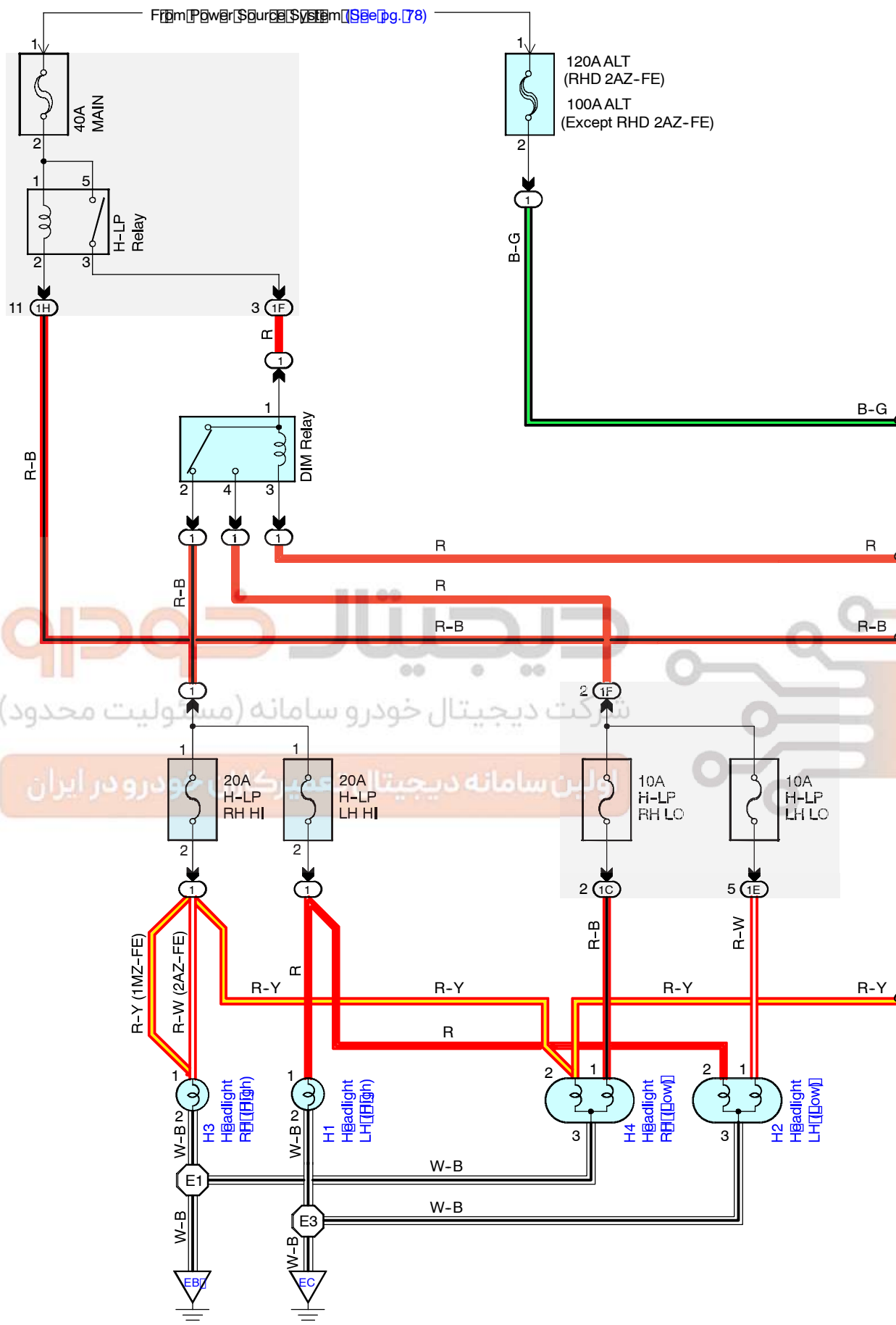
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	60 (LHD)	Roof Wire	E5	52 (LHD 1MZ-FE)	Engine Room Main Wire
B2				54 (LHD 2AZ-FE)	
B3			I2	58 (LHD)	Instrument Panel Wire
B14	60 (LHD)	Floor Wire	I10	58 (LHD)	
B21					
E4	52 (LHD 1MZ-FE)	Engine Room Main Wire			
	54 (LHD 2AZ-FE)				

دیجیتال خودرو

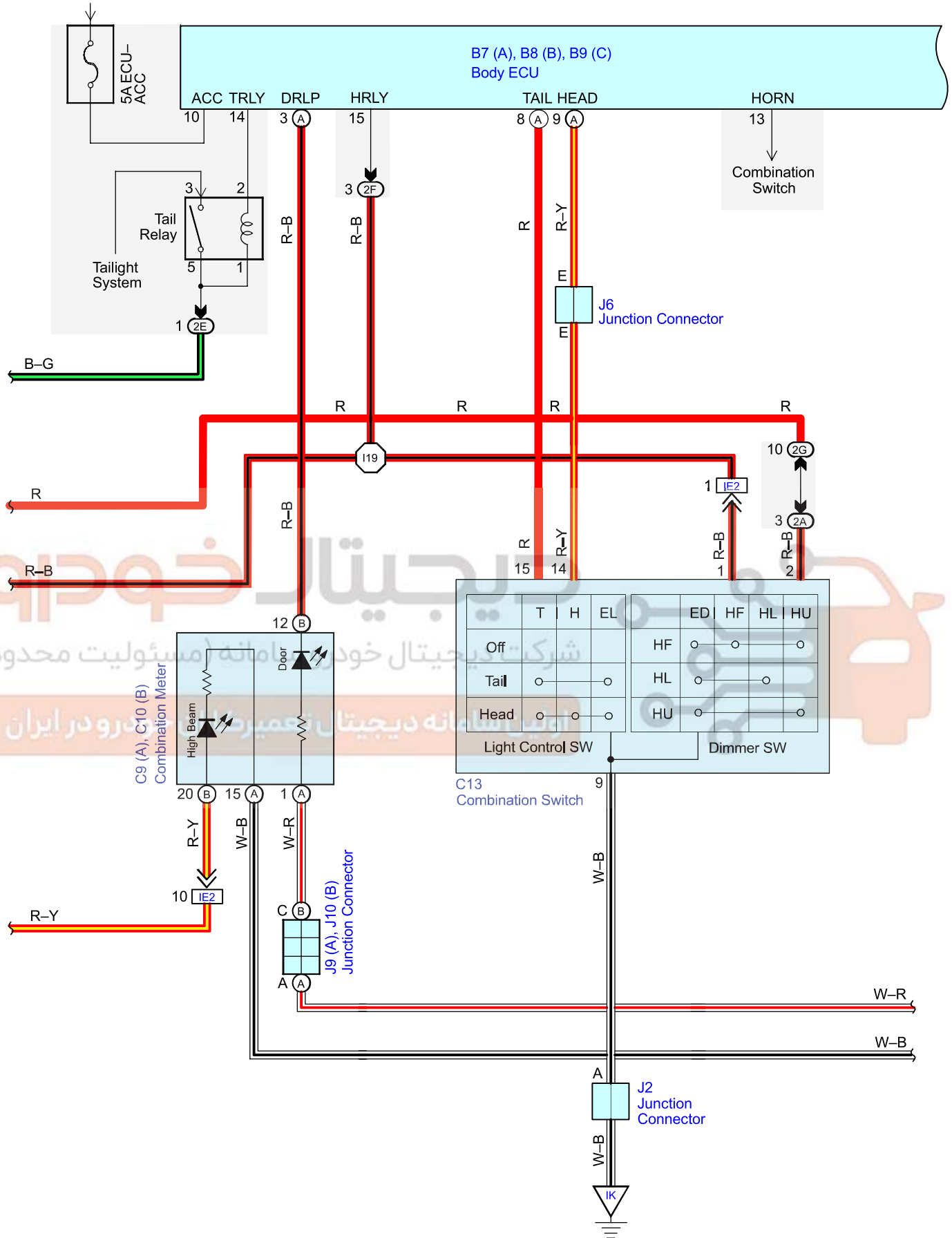
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران





From Power Source System (See pg. 78)

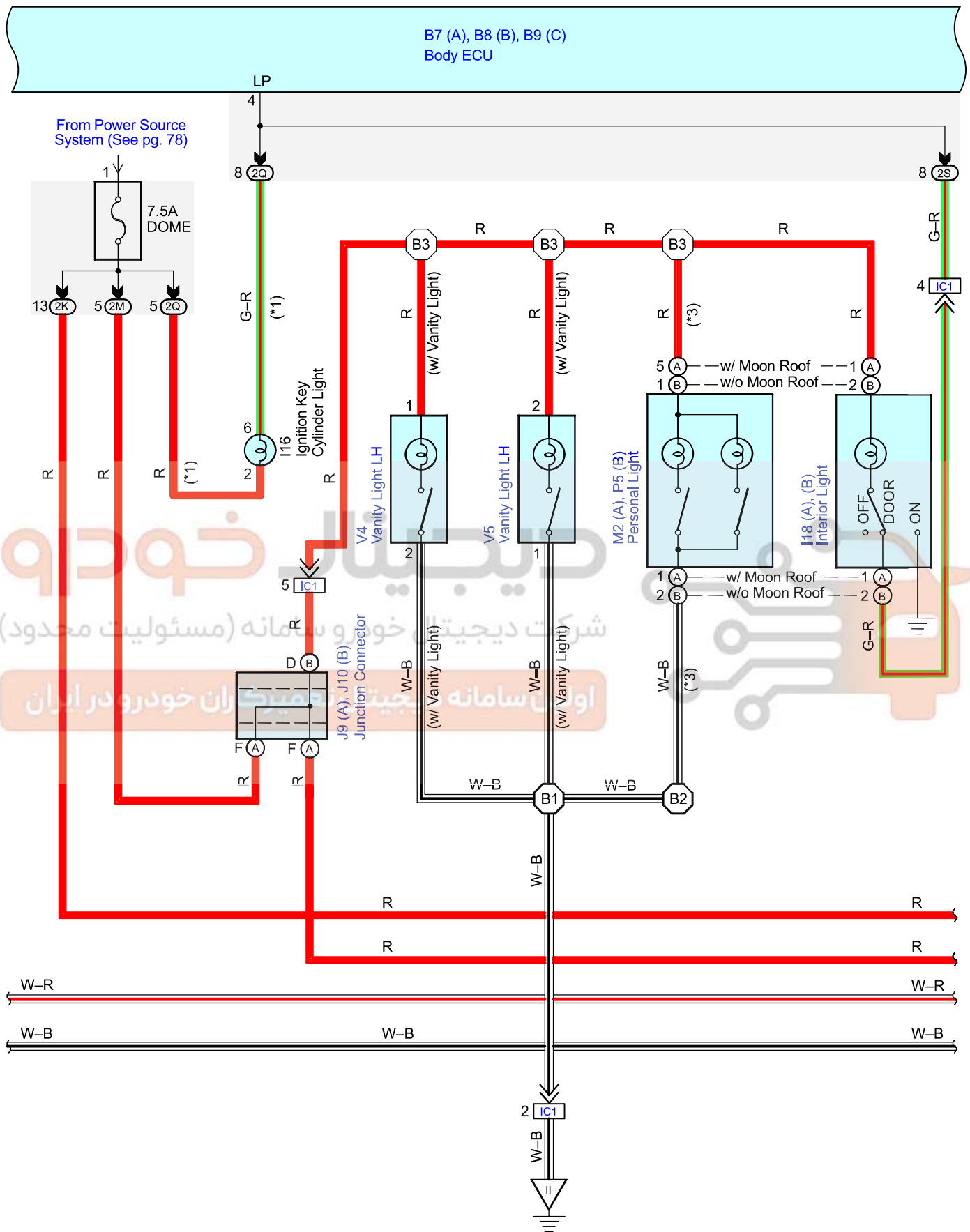


Multiplex Communication System (RHD)

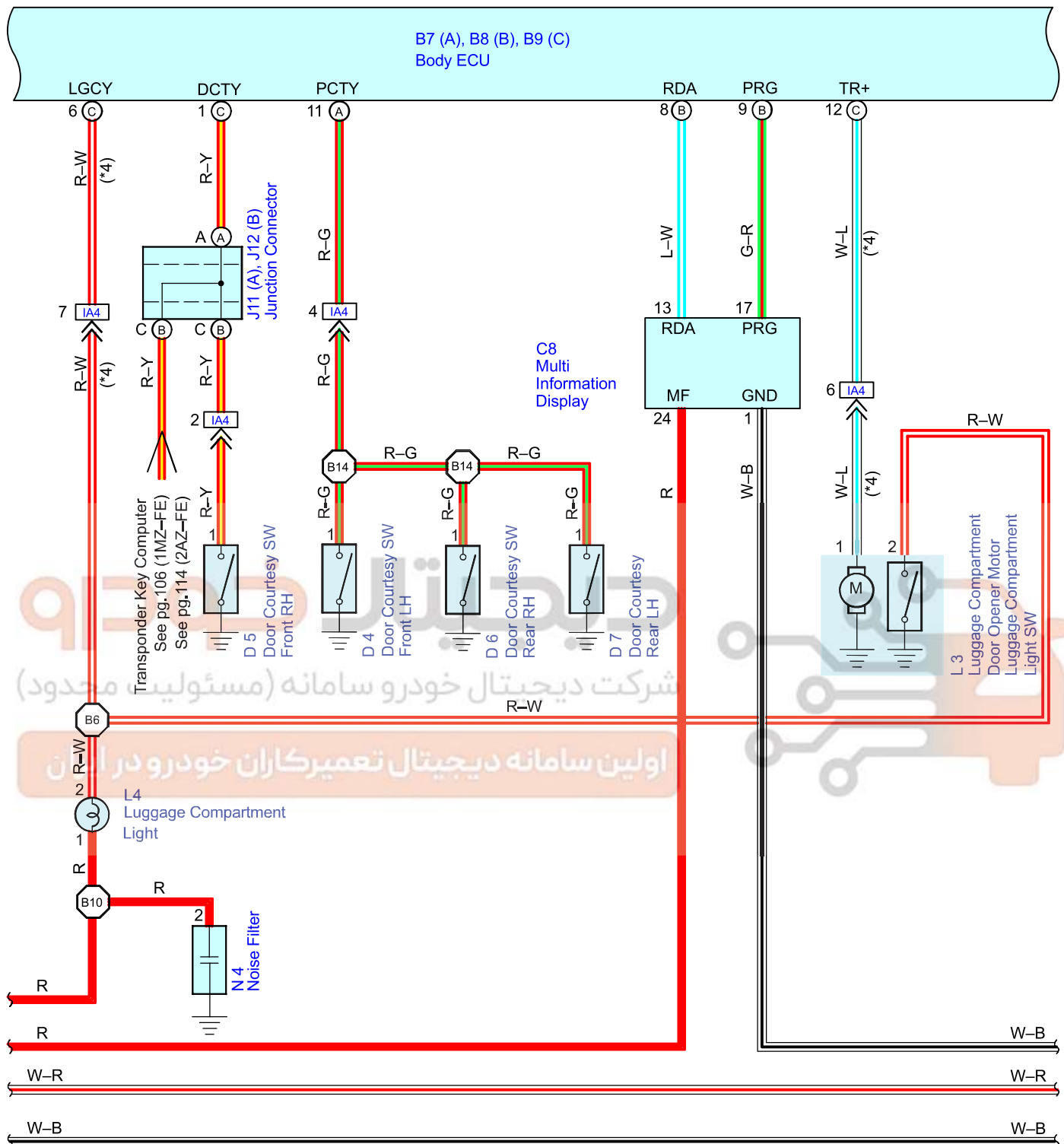
System Outline

Service Hints

*1 : w/ Ignition Key Cylinder Light
 *3 : w/ Personal Light



*4 : w/ Luggage Compartment Door Opener

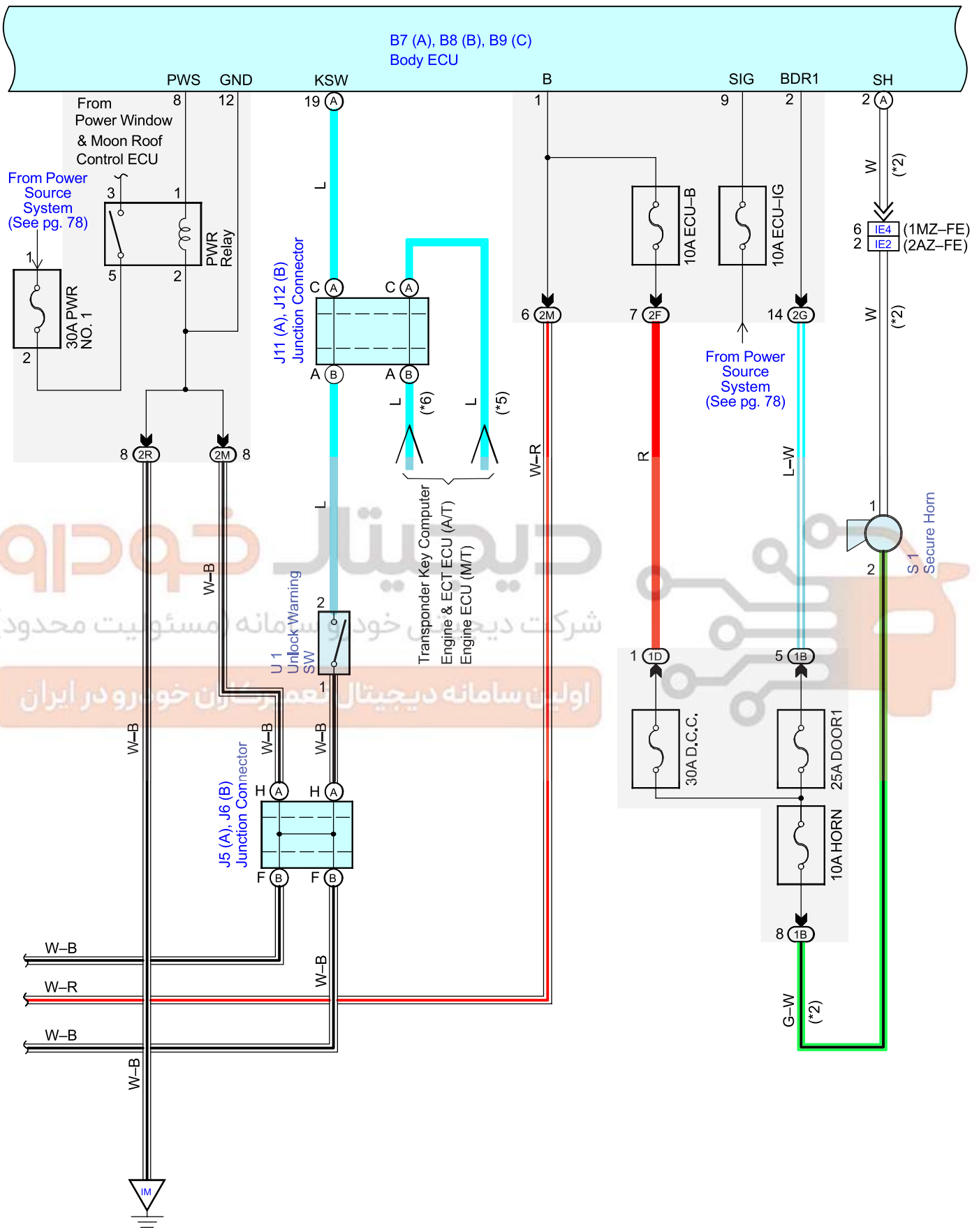


Multiplex Communication System (RHD)

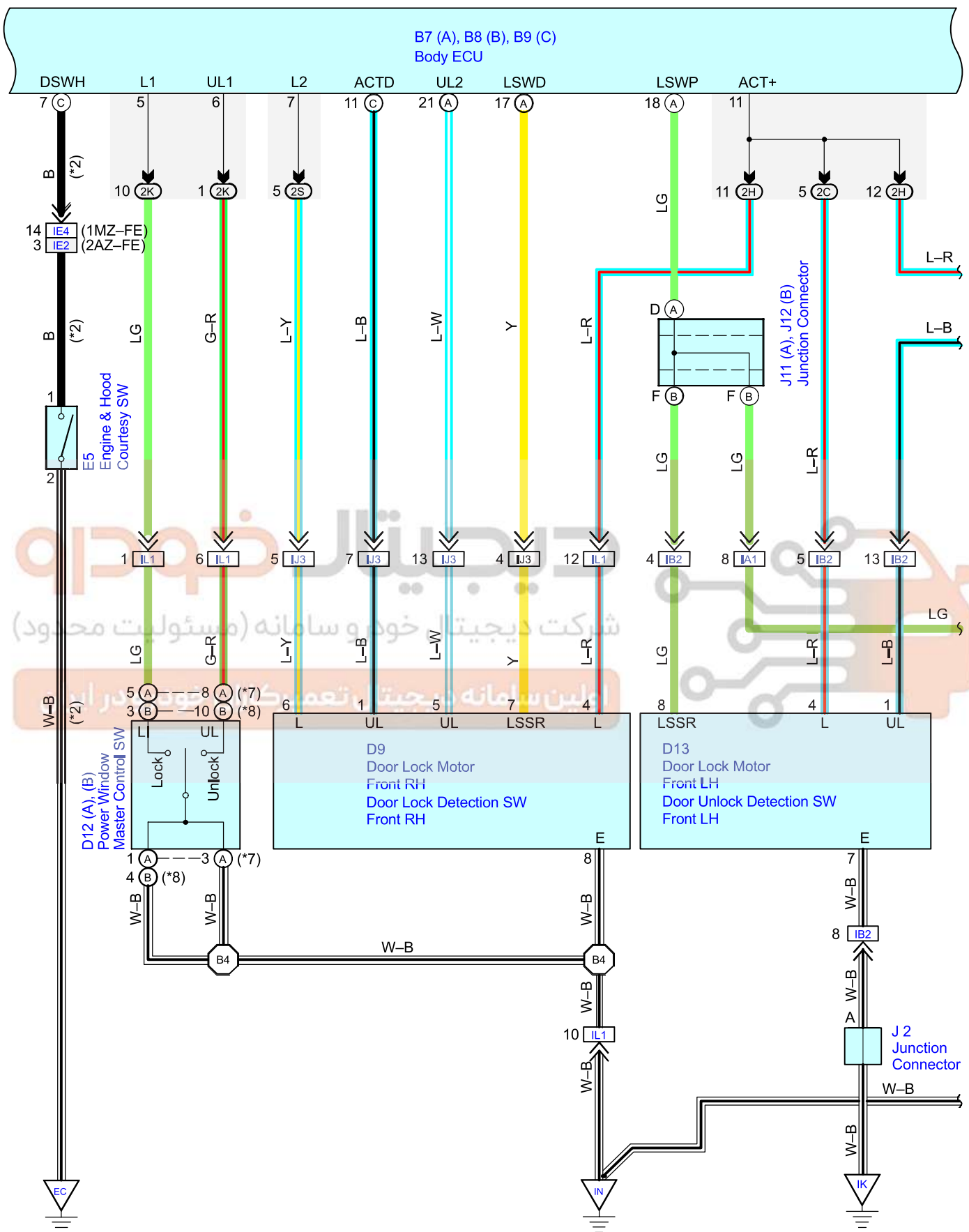
System Outline

Service Hints

- *2 : w/ Theft Deterrent
 *5 : RHD 1MZ-FE
 *6 : Except RHD 1MZ-FE



*2 : w/ Theft Deterrent
*7 : w/ Jam Protection
*8 : w/o Jam Protection

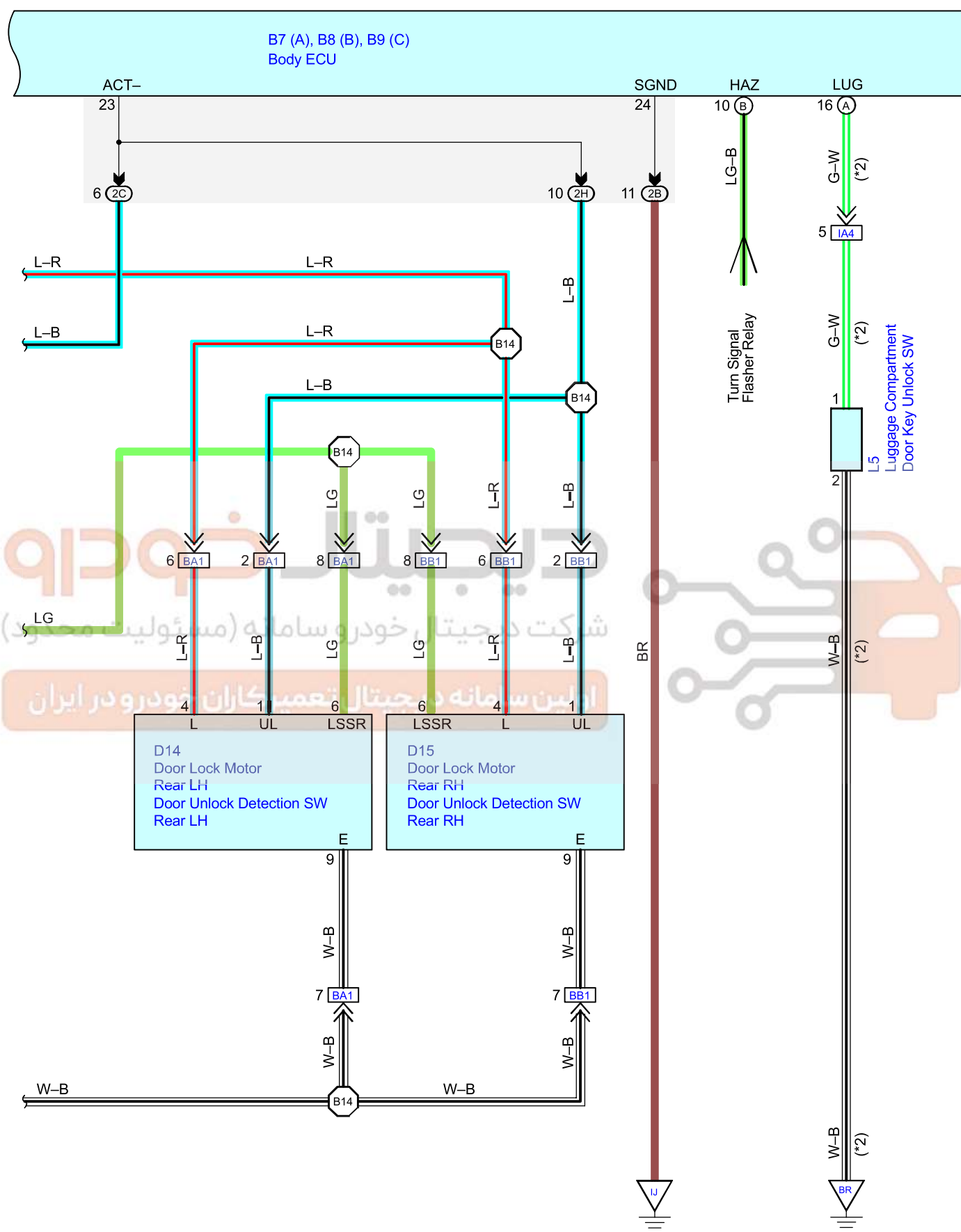


Multiplex Communication System (RHD)

System Outline

Service Hints

*2 : w/ Theft Deterrent



System Outline

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

Multiplex Communication System Includes Following Systems

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

Service Hints

Body ECU

SIG9–Ground : Approx. 12 volts with ignition SW at ON or ST position

SGND & GND

12, 24–Ground : Always continuity

B1–Ground : Always approx. 12 volts

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
B7	A	46 (RHD)	D15		48 (RHD)	J12	B	47 (RHD)
B8	B		E5		42 (RHD 1MZ–FE)	L3		48 (RHD)
B9	C		H1		44 (RHD 2AZ–FE)	L4		
C8			H2		42 (RHD 1MZ–FE)	M2	A	
C9	A		H3		44 (RHD 2AZ–FE)	N4		49 (RHD)
C10	B		H4			P5	B	
C13				I16	47 (RHD)	S1		45 (RHD)
D4		48 (RHD)	I18	48 (RHD)	U1		43 (RHD)	
D5			J2	47 (RHD)	V4		49 (RHD)	
D6			J5	47 (RHD)	V5			
D7			J6	47 (RHD)				
D9			J6	B	47 (RHD)			
D12	A		J9	A				
D12	B		J10	B				
D13			J11	A		47 (RHD)		
D14								

○ : Relay Blocks

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

Multiplex Communication System (RHD)



: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	24	Engine Room Main Wire and Engine Room J/B
1C		
1D		
1E		
1F		
1H		
2A	26	Instrument Panel Wire and Driver Side J/B
2B		
2C		
2E	26	Engine Room Main Wire and Driver Side J/B
2F	26	Engine Room Main Wire and Driver Side J/B
2G		
2H	26	Floor Wire and Drive Side J/B
2K	26	Floor Wire and Driver Side J/B (Lower Finish Panel)
2M	26	Instrument Panel Wire and Driver Side J/B
2Q		
2R		
2S		



: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BA1	72 (RHD)	Rear Door LH Wire and Floor Wire (Left Center Pillar)
BB1	72 (RHD)	Rear Door RH Wire and Floor Wire (Right Center Pillar)
IA4	67 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IB2	67 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC1	67 (RHD)	Instrument Panel Wire and Roof Wire (Inside of Front Right Panel)
IE2	67 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of Steering Column Tube)
IE4	67 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of Steering Column Tube)
IJ3	70 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)
IL1	70 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Kick Panel)



: Ground Points

Code	See Page	Ground Points Location
EB	64 (RHD 1MZ-FE)	Right Fender
	66 (RHD 2AZ-FE)	
EC	64 (RHD 1MZ-FE)	Left Fender
	66 (RHD 2AZ-FE)	
BR	72 (RHD)	Front Side of Rear Wheel House RH
II	67 (RHD)	Instrument Panel Reinforcement LH
IJ	67 (RHD)	Instrument Panel Brace RH
IK	67 (RHD)	Instrument Panel Brace RH
IM	67 (RHD)	Instrument Panel Reinforcement RH
IN	67 (RHD)	Right Kick Panel



: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	72 (RHD)	Roof Wire	B6	72 (RHD)	Floor Wire
B2	72 (RHD)		B10		
B3	72 (RHD)		B14		
B4	72 (RHD)	Floor Wire	I19	70 (RHD)	Instrument Panel Wire

دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران

