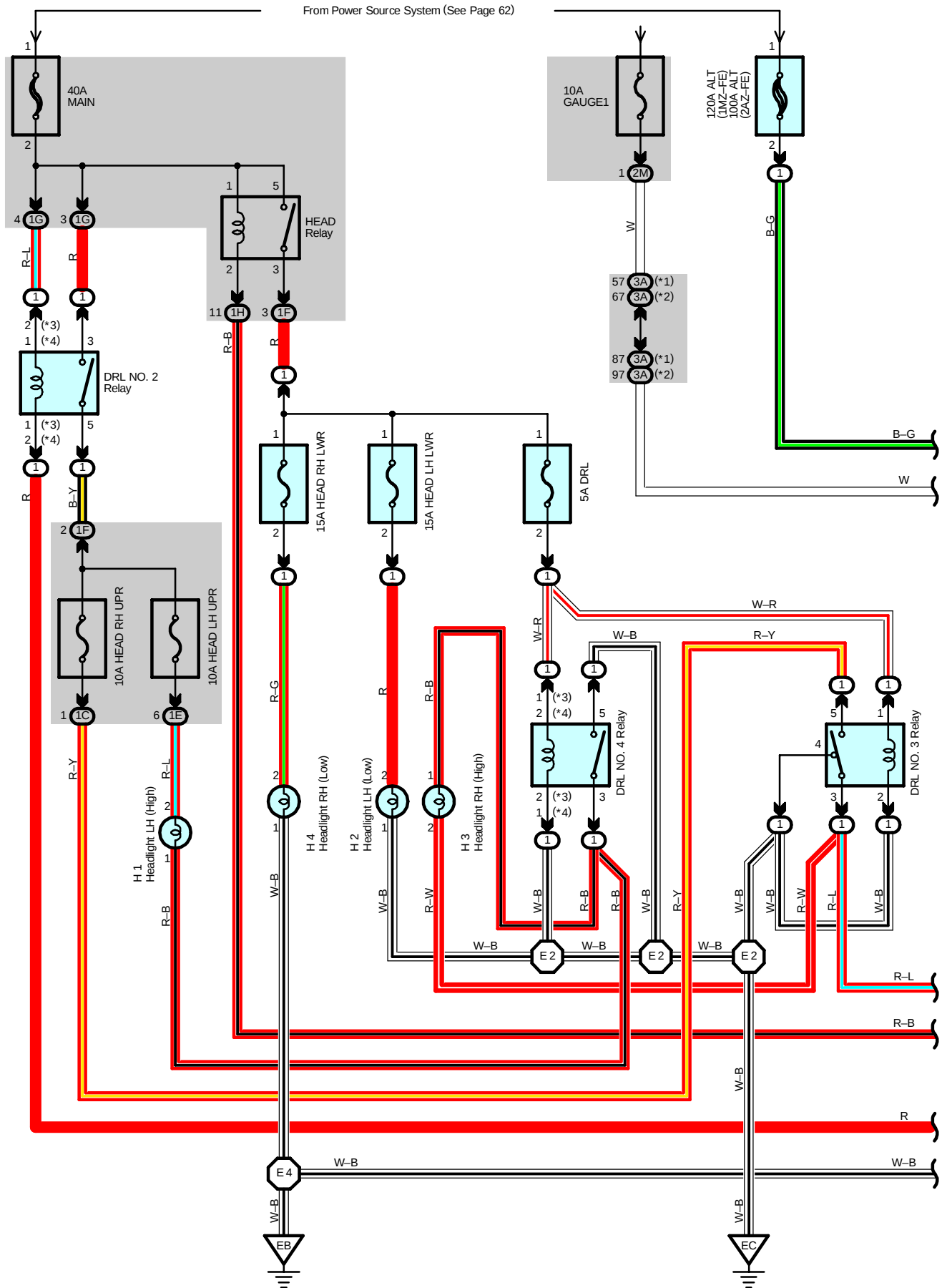
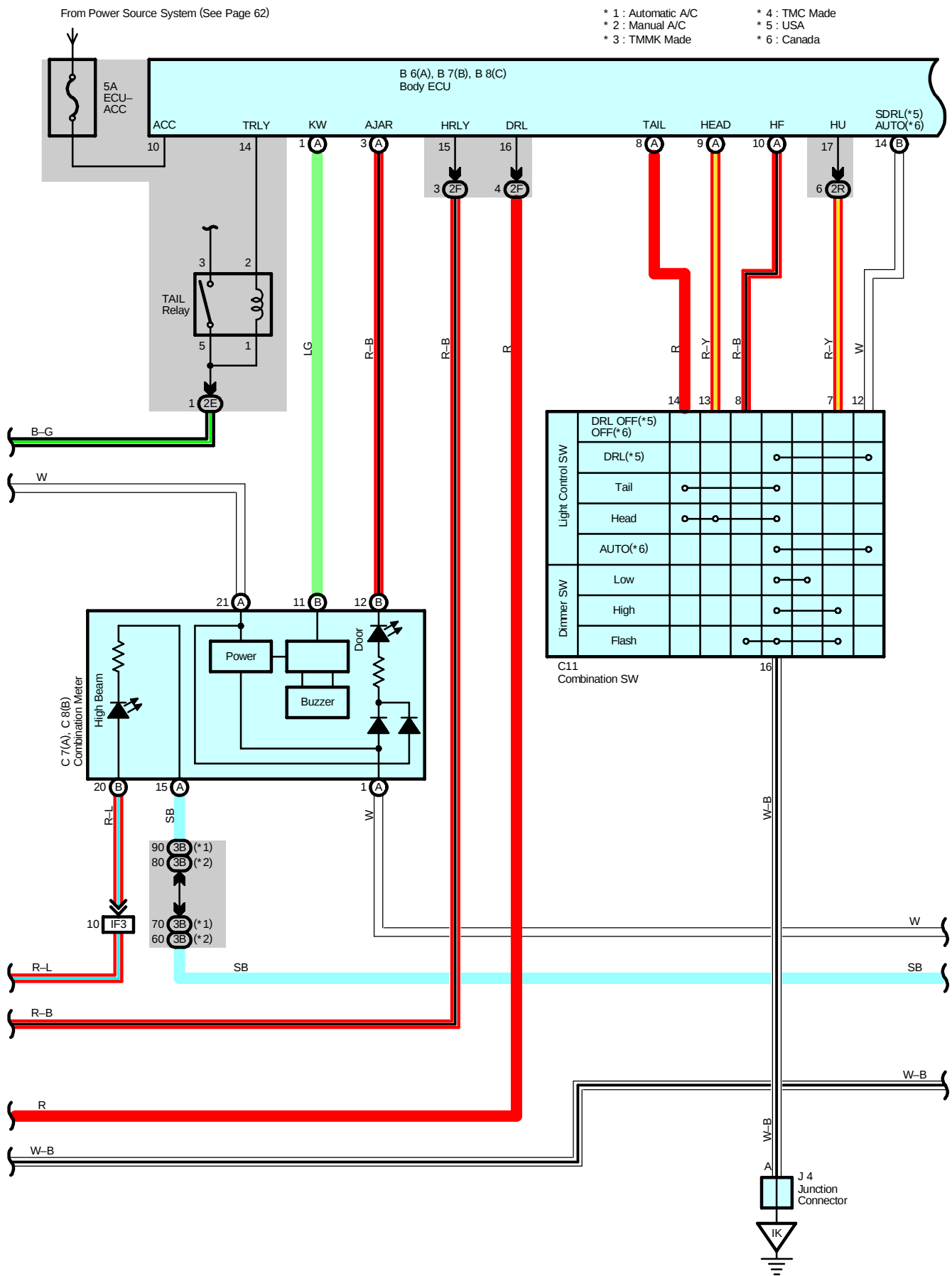


Multiplex Communication System

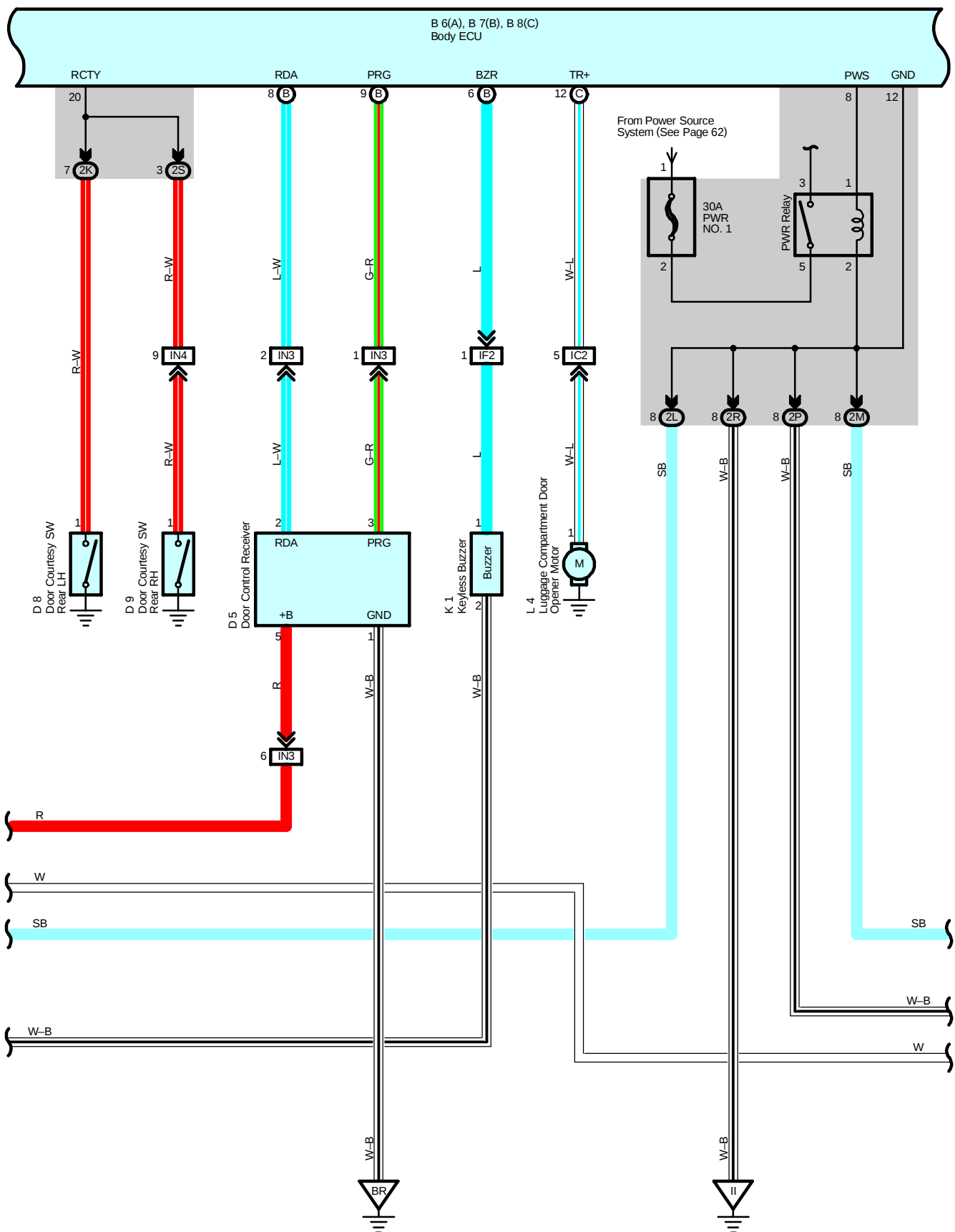




- * 4 : TMC Made
* 6 : Canada



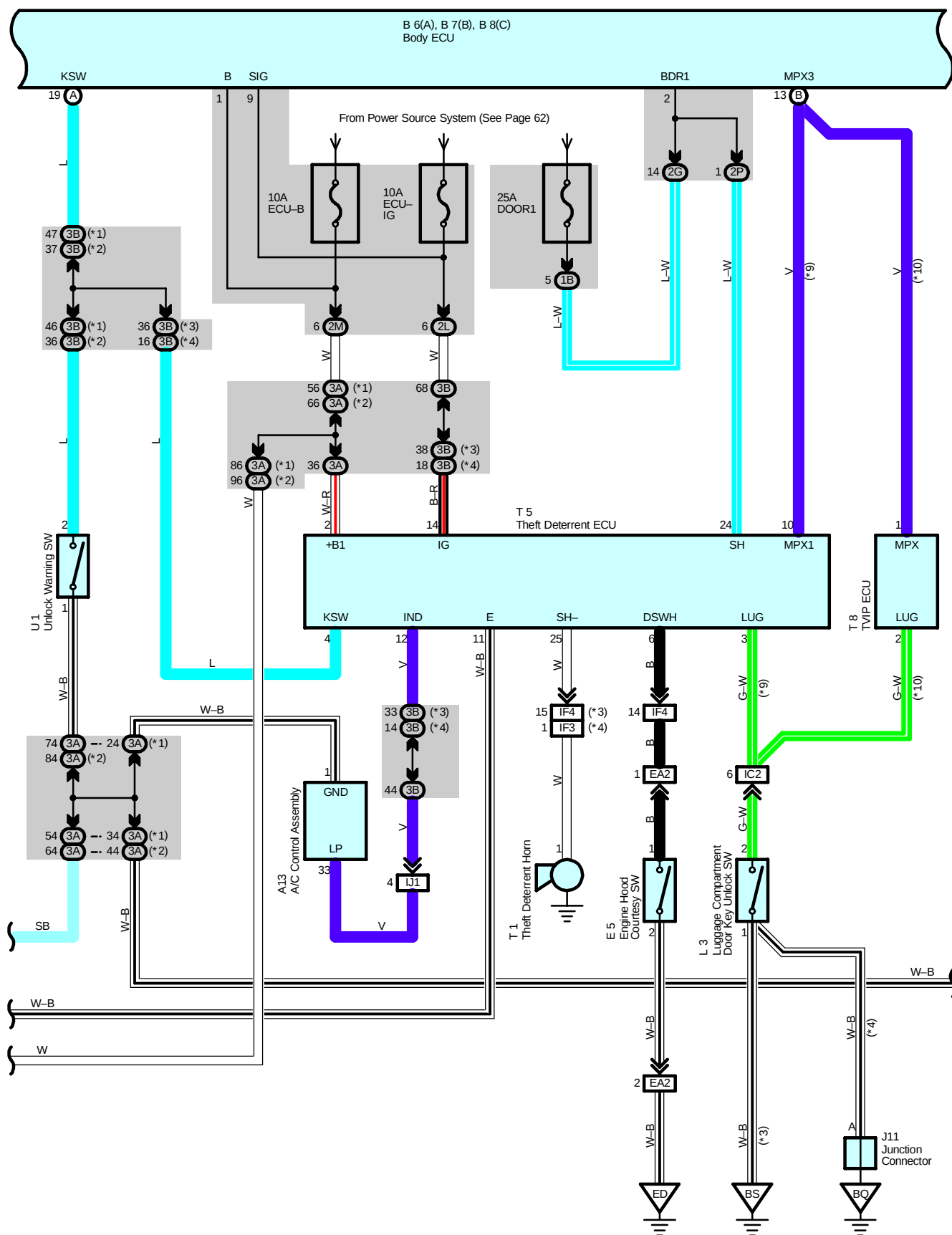
Multiplex Communication System



* 1 : Automatic A/C
* 2 : Manual A/C

* 3 : TMMK Made
* 4 : TMC Made

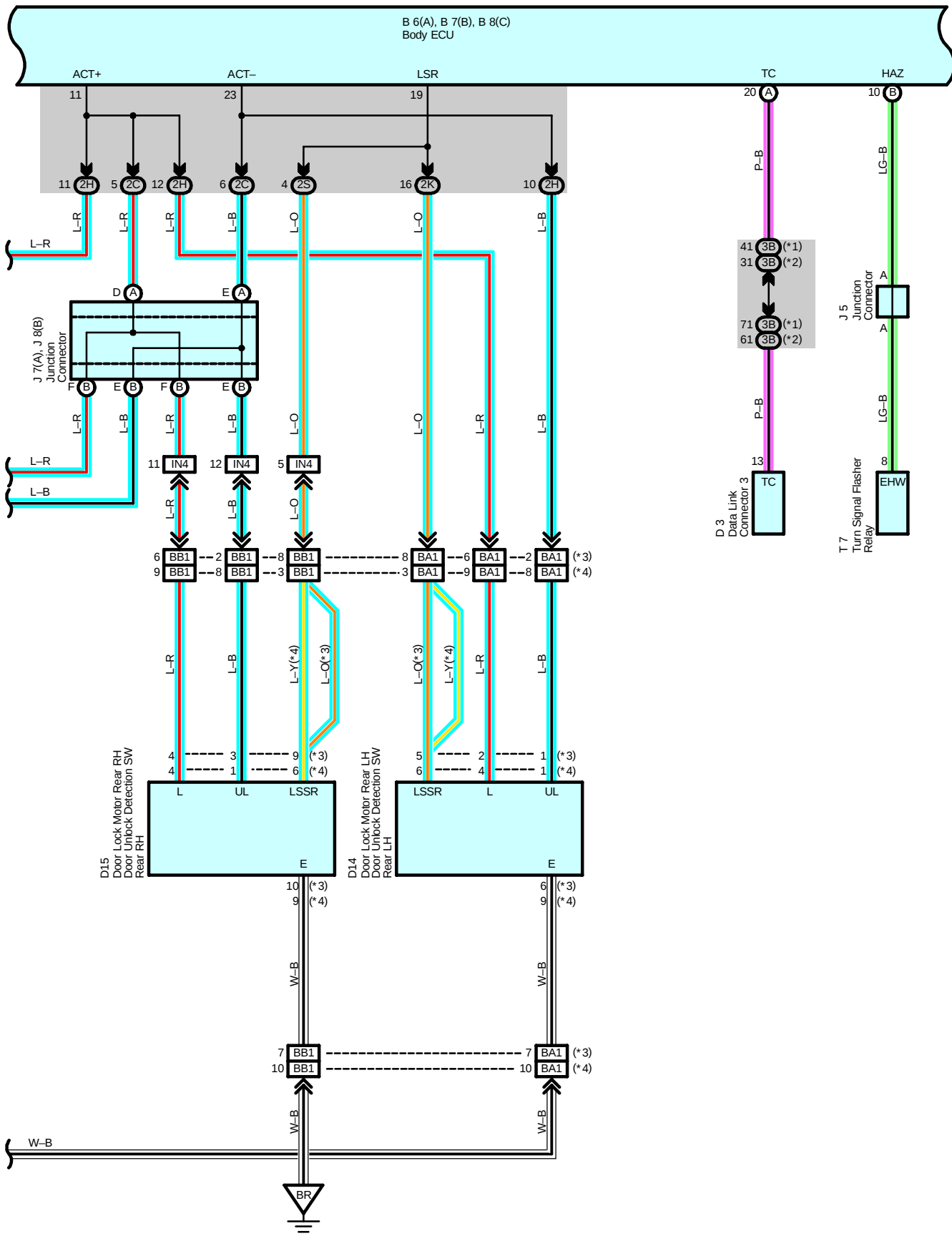
* 9 : w/ Theft Deterrent System
* 10 : w/o Theft Deterrent System





* 1 : Automatic A/C
* 2 : Manual A/C

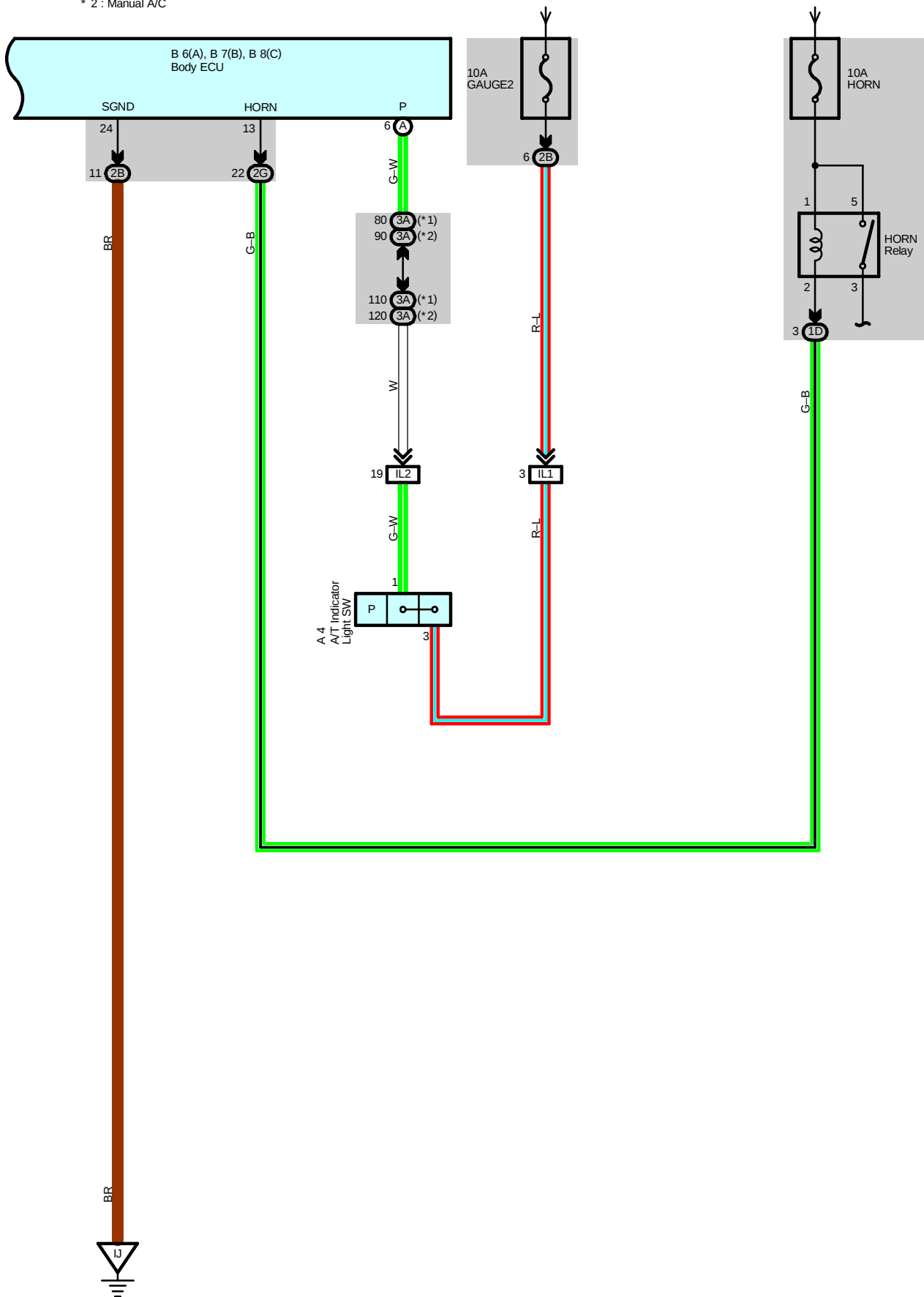
* 3 : TMMK Made
* 4 : TMC Made



Multiplex Communication System

- * 1 : Automatic A/C
- * 2 : Manual A/C

From Power Source System (See Page 62)



System Outline

The multiplex communication system communicates among the body ECU, theft deterrent 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
- * Theft Deterrent
- * 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
A4	38 (1MZ-FE)	D13	44	J5	43
	40 (2AZ-FE)	D14	44	J7	A 43
A13	42	D15	44	J8	B 43
A28	42	E5	38 (1MZ-FE)	J11	44
B6	A 42		40 (2AZ-FE)	K1	39 (1MZ-FE)
B7	B 42	G2	38 (1MZ-FE)		41 (2AZ-FE)
B8	C 42		40 (2AZ-FE)	L3	45
C7	A 42	G4	44	L4	45
C8	B 42	H1	38 (1MZ-FE)	L5	45
C11	42		40 (2AZ-FE)	N4	45
D3	42	H2	38 (1MZ-FE)	P3	43
D4	44		40 (2AZ-FE)	T1	39 (1MZ-FE)
D5	44	H3	38 (1MZ-FE)		41 (2AZ-FE)
D6	44		40 (2AZ-FE)	T5	43
D7	44	H4	38 (1MZ-FE)	T7	43
D8	44		40 (2AZ-FE)	T8	43
D9	44	I13	43	U1	43
D10	44	I14	43	V9	45
D11	44	I17	44	V10	45
D12	44	J4	43		

○ : Relay Blocks

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

Multiplex Communication System



: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1C		
1D		
1E		
1F		
1G		
1H		
2B	28	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2C		
2E	28	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F		
2G		
2H	28	Floor Wire and Driver Side J/B (Lower Finish Panel)
2K		
2L	29	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
2P		
2Q		
2R		
2S		
3A	34 (*1)	Instrument Panel Wire and Passenger Side J/B (Instrument Panel Brace RH)
	35 (*3)	
	36 (*2)	
	37 (*4)	
3B	34 (*1)	
	35 (*3)	
	36 (*2)	
	37 (*4)	

* 1 : TMC Made Automatic A/C * 2 : TMC Made Manual A/C * 3 : TMMK Made Automatic A/C * 4 : TMMK Made Manual A/C



: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA2	48 (1MZ-FE)	Engine Room Main Wire and Engine Room No.2 Wire (Radiator Side Support LH)
	50 (2AZ-FE)	
IA1	52	Front Door LH Wire and Floor Wire (Left Kick Panel)
IB1	52	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IB2		
IC2	52	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE1	52	Instrument Panel Wire and Roof Wire (Inside of Front Left Pillar)
IF2	52	Engine Room Main Wire and Instrument Panel Wire (Right Side of Steering Column Tube)
IF3		
IF4		
IJ1	54	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IL1	54	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IL2		
IM1	54	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM2		
IN3	54	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IN4		
BA1	56	Rear Door LH Wire and Floor Wire (Left Center Pillar)
BB1	56	Rear Door RH Wire and Floor No.2 Wire (Right Center Pillar)

**: Ground Points**

Code	See Page	Ground Points Location
EB	48 (1MZ-FE)	Right Fender
	50 (2AZ-FE)	
EC	48 (1MZ-FE)	Left Fender
	50 (2AZ-FE)	
ED	48 (1MZ-FE)	
	50 (2AZ-FE)	
II	52	Cowl Side Panel LH
IJ	52	Instrument Panel Brace LH
IK		
IM	52	Instrument Panel Reinforcement RH
BO	56	Under the Driver's Seat
BQ	56	Front Side of Rear Quarter Wheel House LH
BR	56	Front Side of Rear Quarter Wheel House RH
BS	56	Lower Back Panel Center

**: Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	48 (1MZ-FE)	Engine Room Main Wire	B2	56	Roof Wire
	50 (2AZ-FE)		B4	56	Front Door LH Wire
E4	48 (1MZ-FE)		B5	56	Floor Wire
	50 (2AZ-FE)		B13	56	Front Door RH Wire
B1	56	Roof Wire			