

2005 CAMRY ELECTRICAL WIRING DIAGRAM

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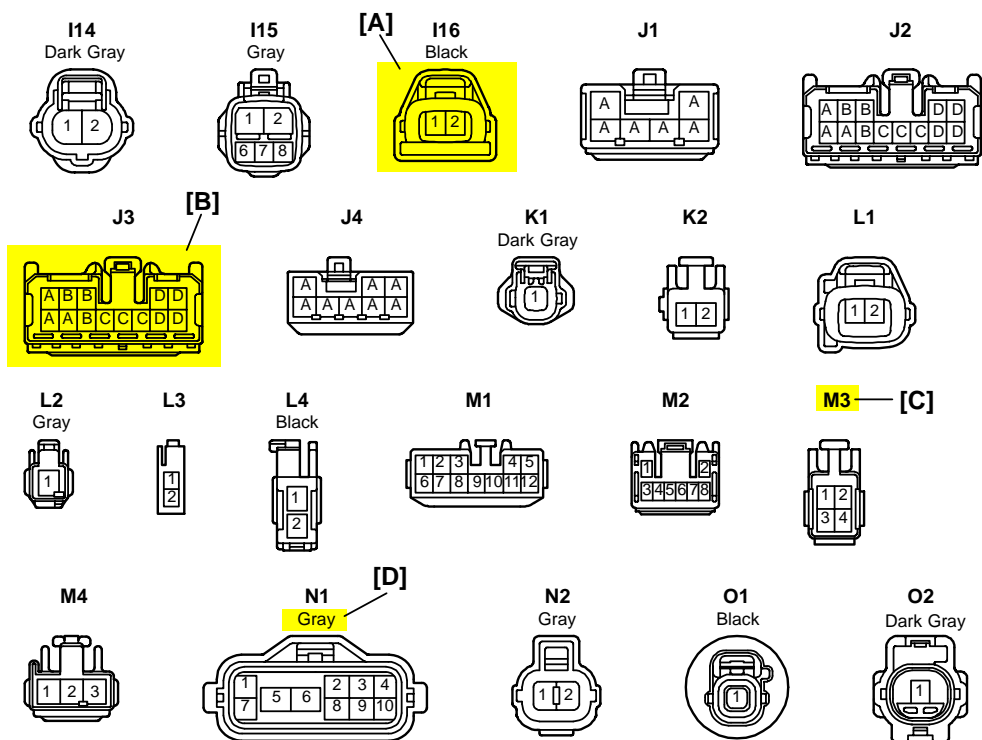
A INTRODUCTION

This manual consists of the following 13 sections:

No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	TROUBLE–SHOOTING	Describes the basic inspection procedures for electrical circuits.
D	ABBREVIATIONS	Defines the abbreviations used in this manual.
E	GLOSSARY OF TERMS AND SYMBOLS	Defines the symbols and functions of major parts.
F	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the system circuit.
G	ELECTRICAL WIRING ROUTING	Describes position of Parts Connectors, Splice points, Ground points, etc. This section is closely related to the system circuit.
H	INDEX	Index of the system circuits.
	SYSTEM CIRCUITS	Electrical circuits of each system are shown from the power supply through ground points. Wiring connections and their positions are shown and classified by code according to the connection method. (Refer to the section, "How to use this manual"). The "System Outline" and "Service Hints" useful for troubleshooting are also contained in this section.
I	GROUND POINT	Shows ground positions of all parts described in this manual.
J	POWER SOURCE (Current Flow Chart)	Describes power distribution from the power supply to various electrical loads.
K	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the system circuit.
L	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
M	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

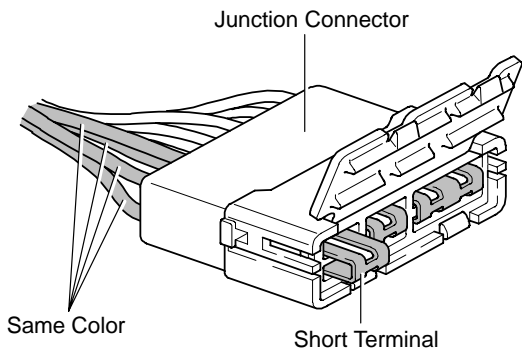
B HOW TO USE THIS MANUAL

K CONNECTOR LIST



[A] : Indicates connector to be connected to a part. (The numeral indicates the pin No.)

[B] : Junction Connector
Indicates a connector which is connected to a short terminal.



Junction connector in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. Accordingly, in other vehicles, the same position in the short terminal may be connected to a wire harness from a different part.)

Wire harness sharing the same short terminal grouping have the same color.

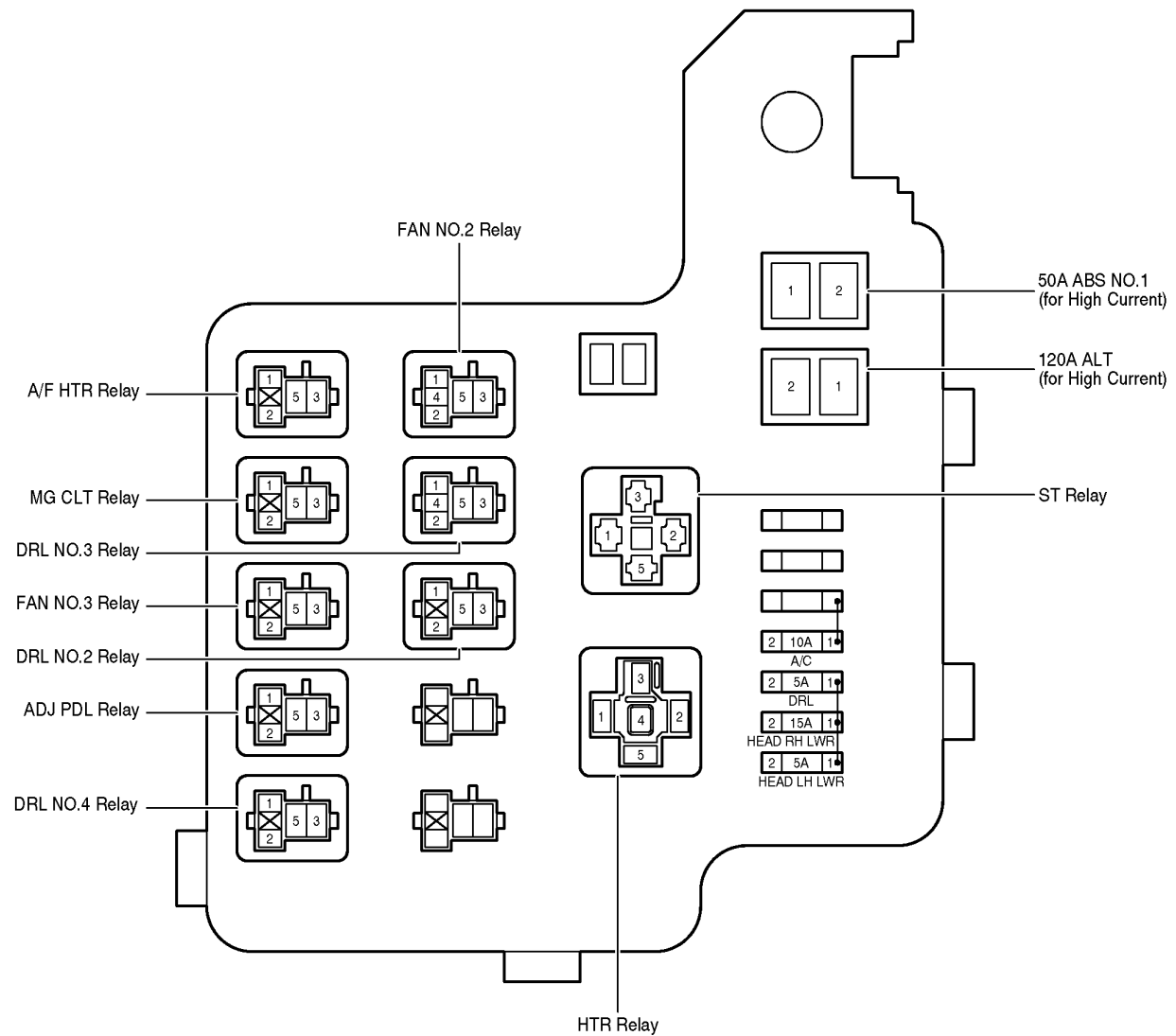
[C] : Parts Code
The first letter of the code is taken from the first letter of part, and the numbers indicates its order in parts which start with the same letter.

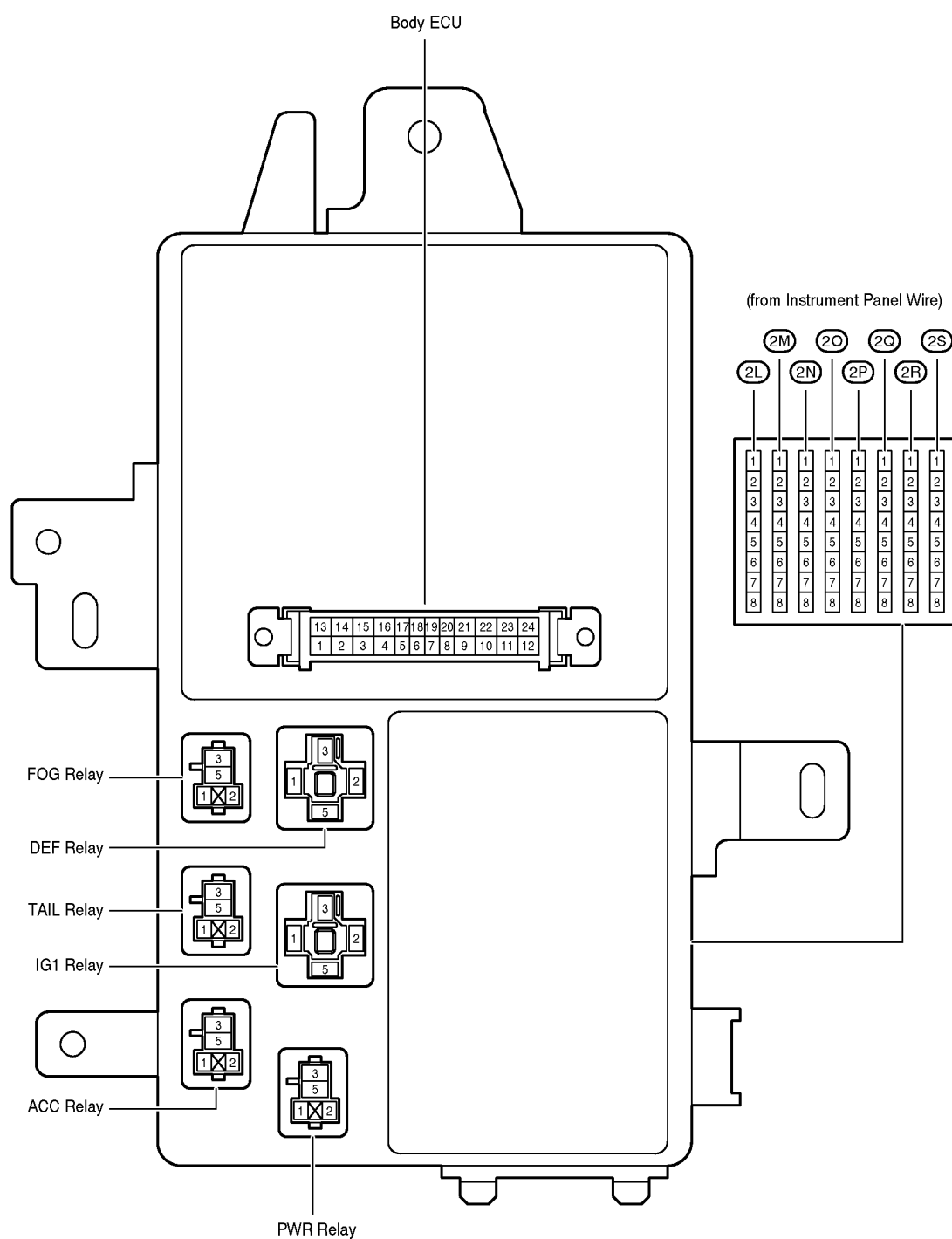
[D] : Connector Color
Connectors not indicated are milky white in color.

F RELAY LOCATIONS

① : Engine Room R/B

Engine Compartment Left (See Page 20)



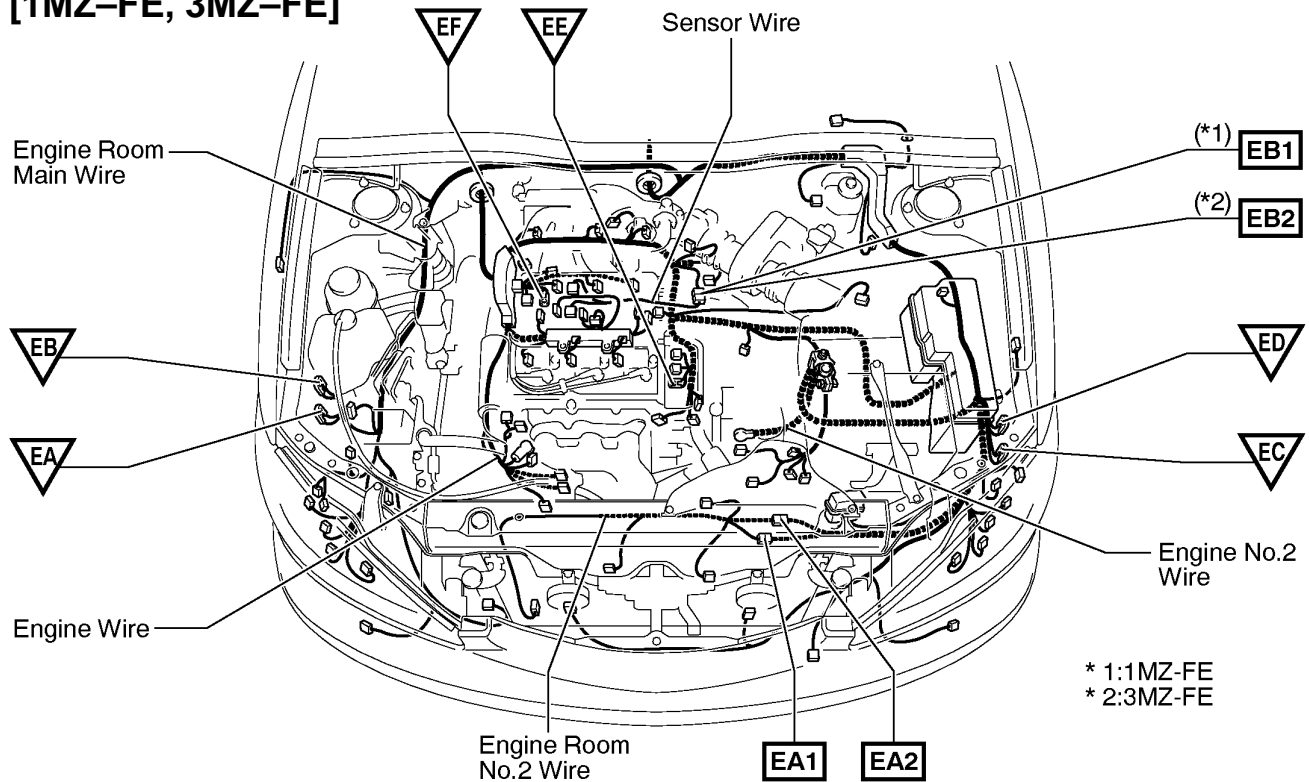


G ELECTRICAL WIRING ROUTING

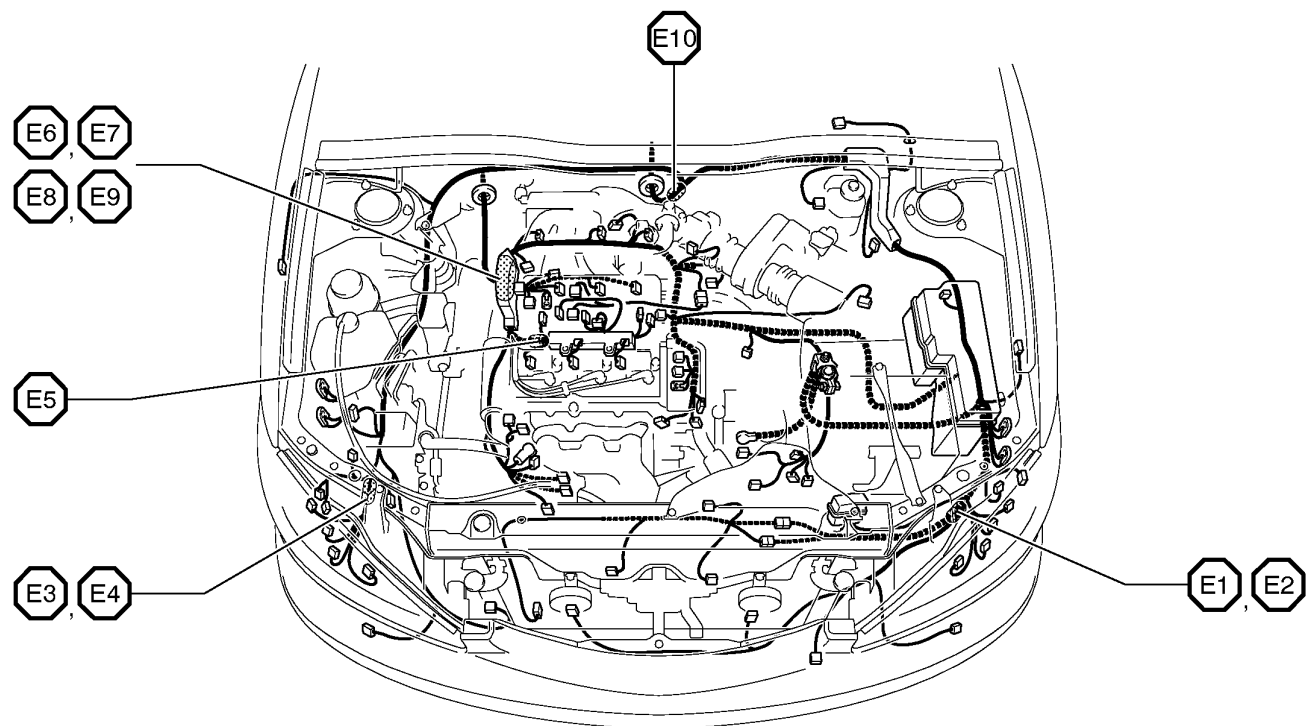
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

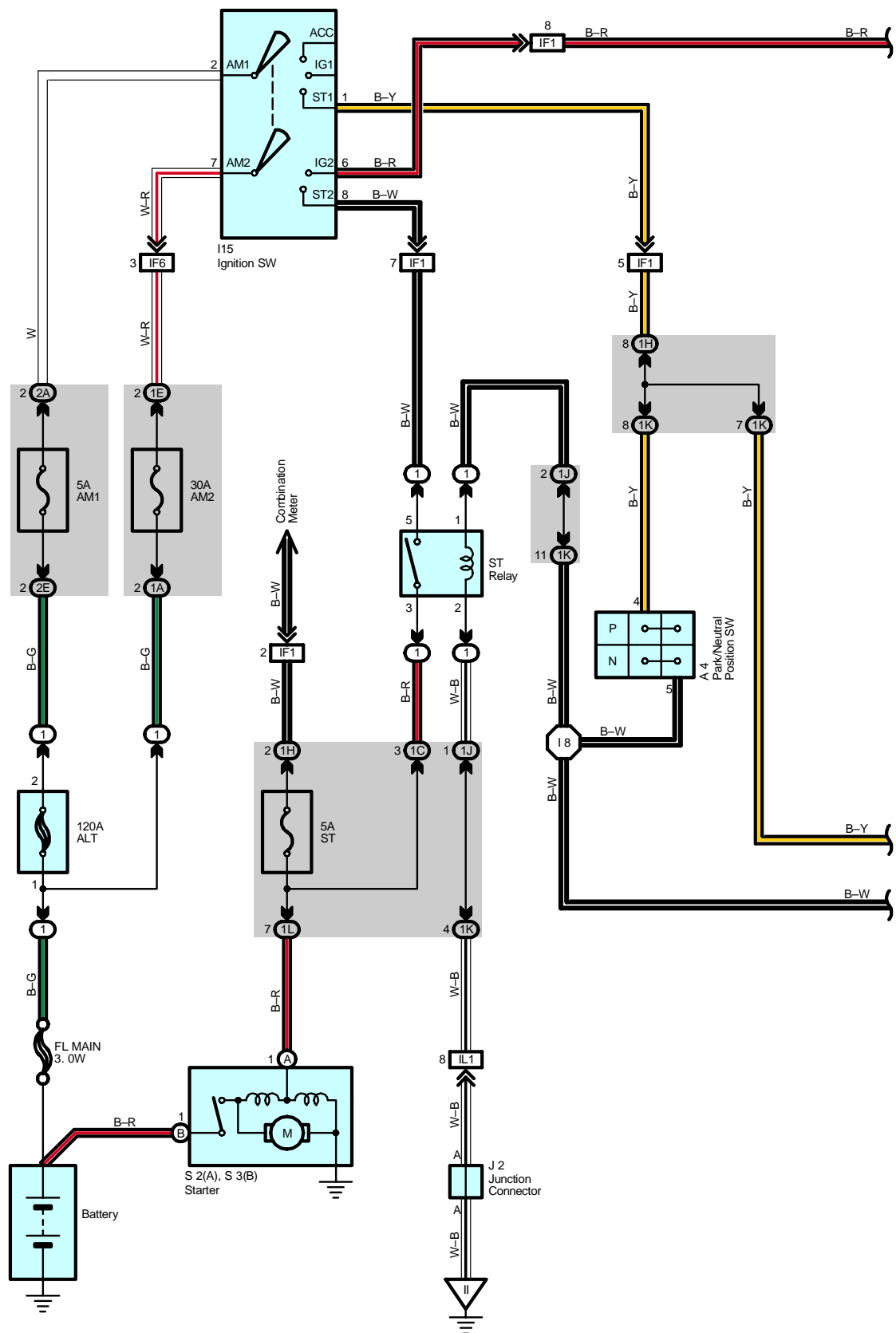
[1MZ-FE, 3MZ-FE]



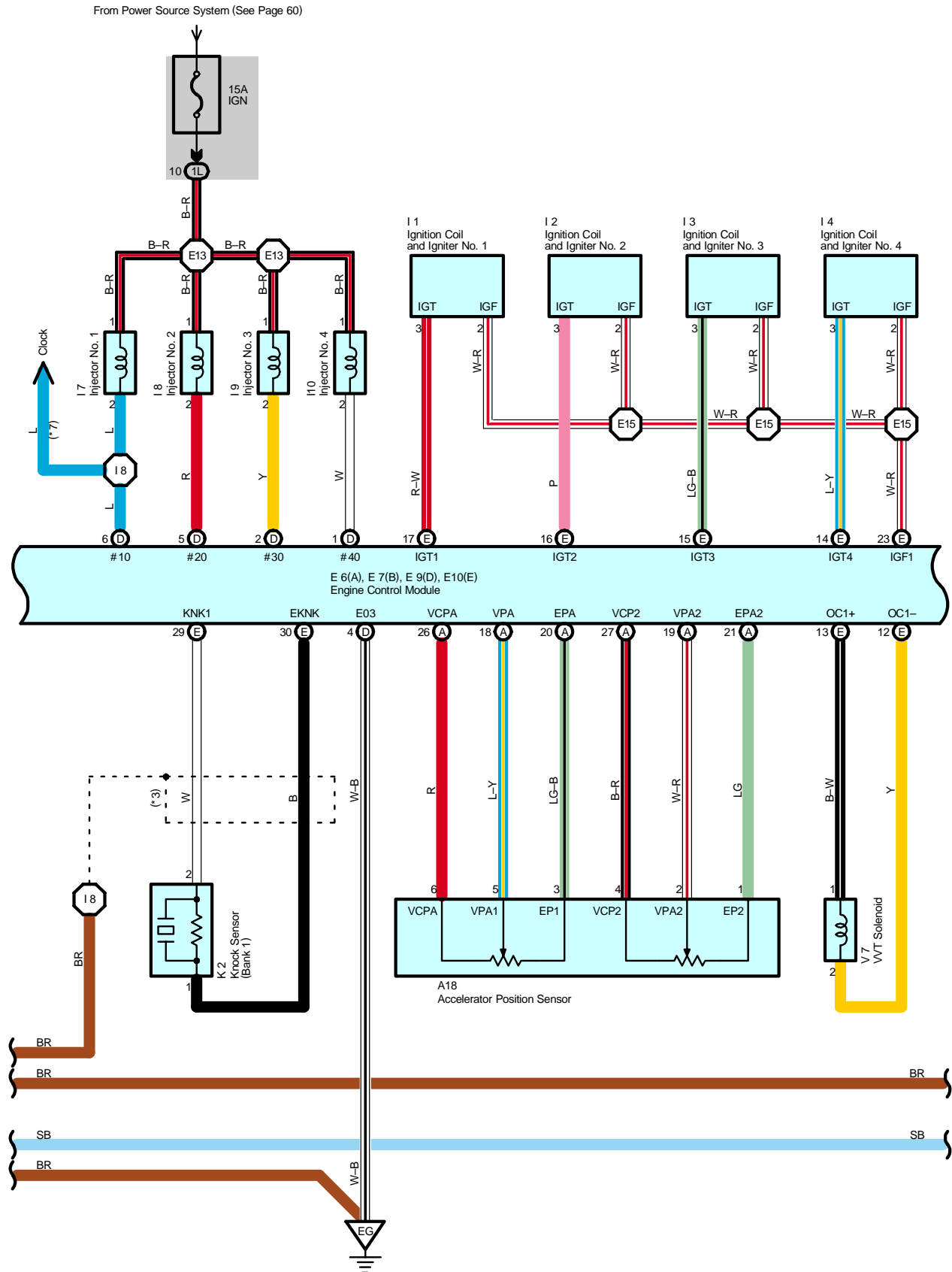
○ : Location of Splice Points



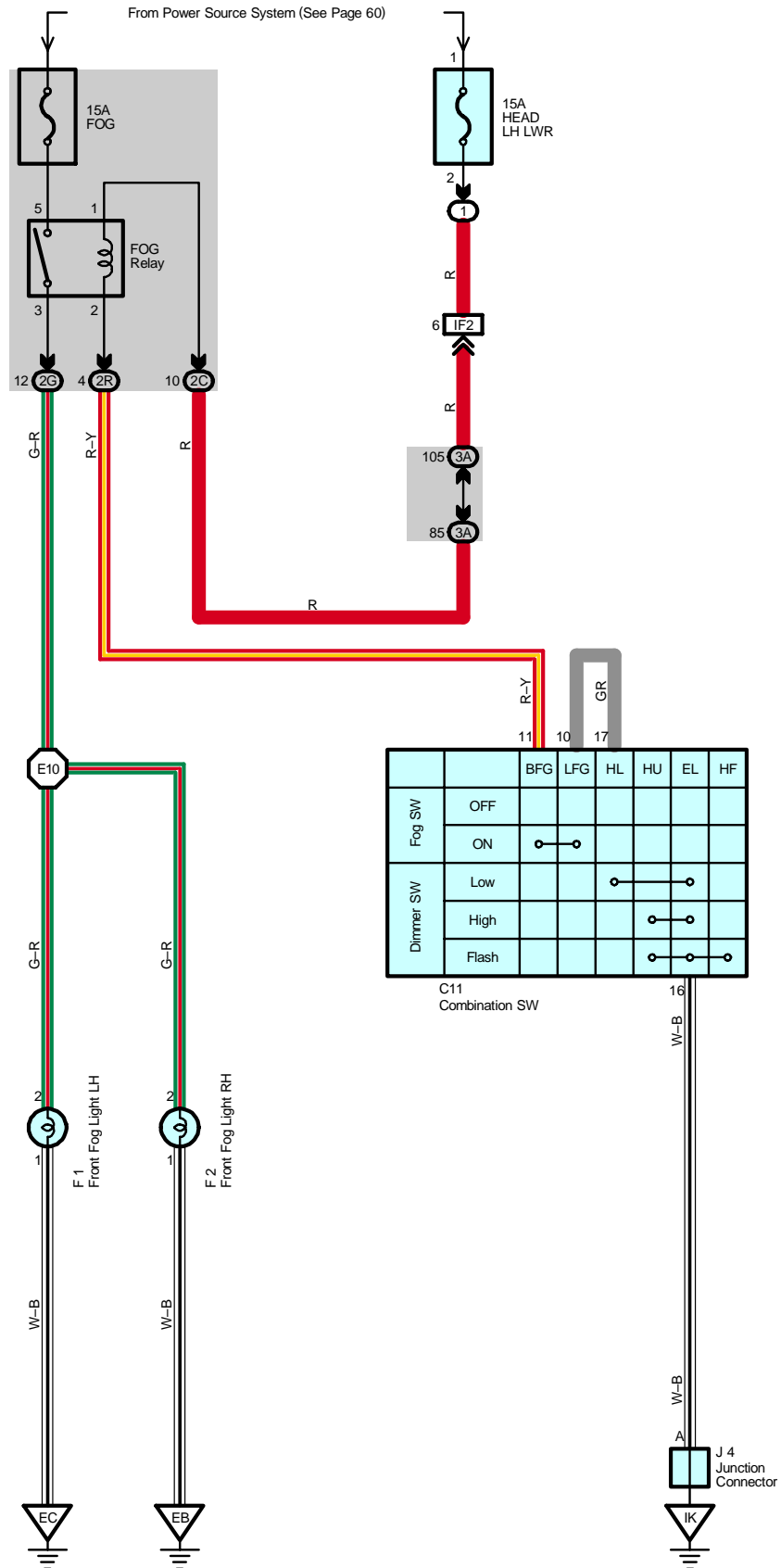
Starting and Ignition for 1MZ-FE and 3MZ-FE



Engine Control for 2AZ-FE



Fog Light



Service Hints

Body ECU

- 9-Ground : Approx. 12 volts with the ignition SW at ON or ST position
- 12, 24-Ground : Always continuity
- 1-Ground : Always approx. 12 volts

D6, D7, D8, D9 Door Courtesy SW Front LH, RH, Rear LH, RH

- 1-Ground : Closed with each of the door open

: Parts Location

Code	See Page	Code	See Page	Code	See Page
B6	A 40	D8	42	L4	43
B8	C 40	D9	42	L5	43
C7	A 40	G4	42	N4	43
C8	B 40	I13	41	V9	43
D4	42	I14	41	V10	43
D6	42	I17	42		
D7	42	J23	41		

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
2B	28	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2K	28	Floor Wire and Driver Side J/B (Lower Finish Panel)
2M	29	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2Q		
2R		
2S		
3A	34	Instrument Panel Wire and Passenger Side J/B (Instrument Panel Brace RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	50	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE1	50	Instrument Panel Wire and Roof Wire (Inside of Front Left Pillar)
IN4	52	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

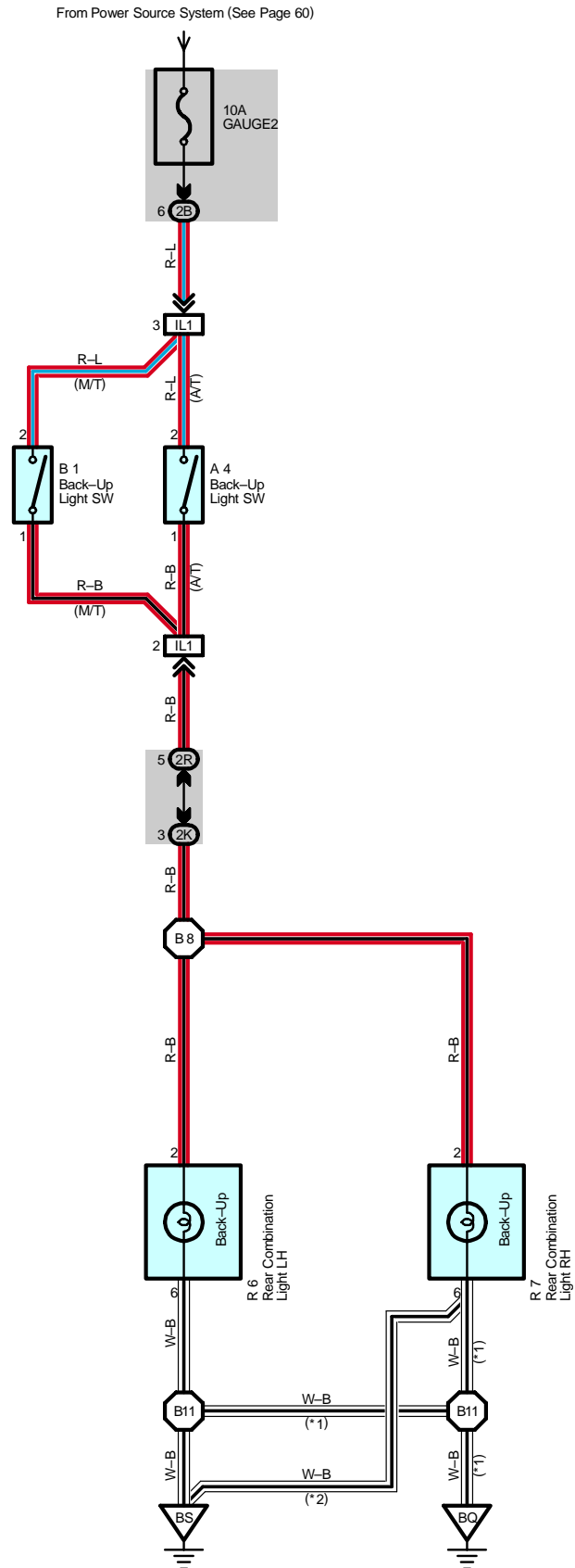
Code	See Page	Ground Points Location
II	50	Cowl Side Panel LH
IJ	50	Instrument Panel Brace LH
IM	50	Instrument Panel Reinforcement RH

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	54	Roof Wire	B5	54	Floor Wire
B2					

* 1 : 1MZ-FE, 3MZ-FE * 2 : 2AZ-FE * 3 : w/ Power Seat * 4 : w/o Power Seat

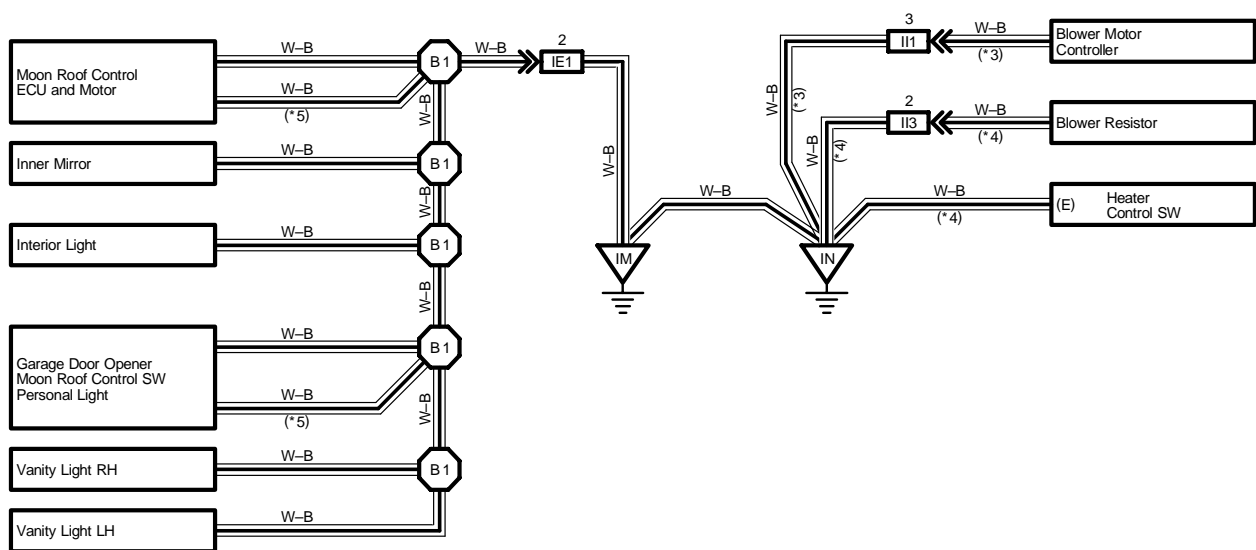
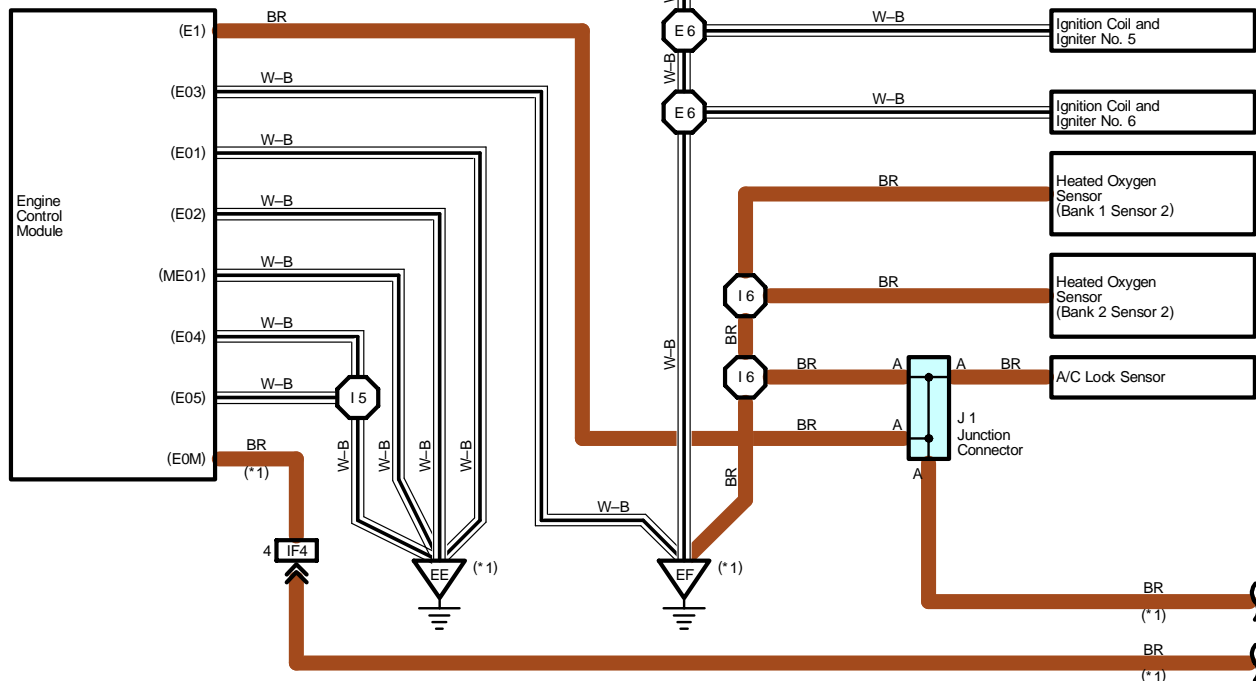
Back-Up Light

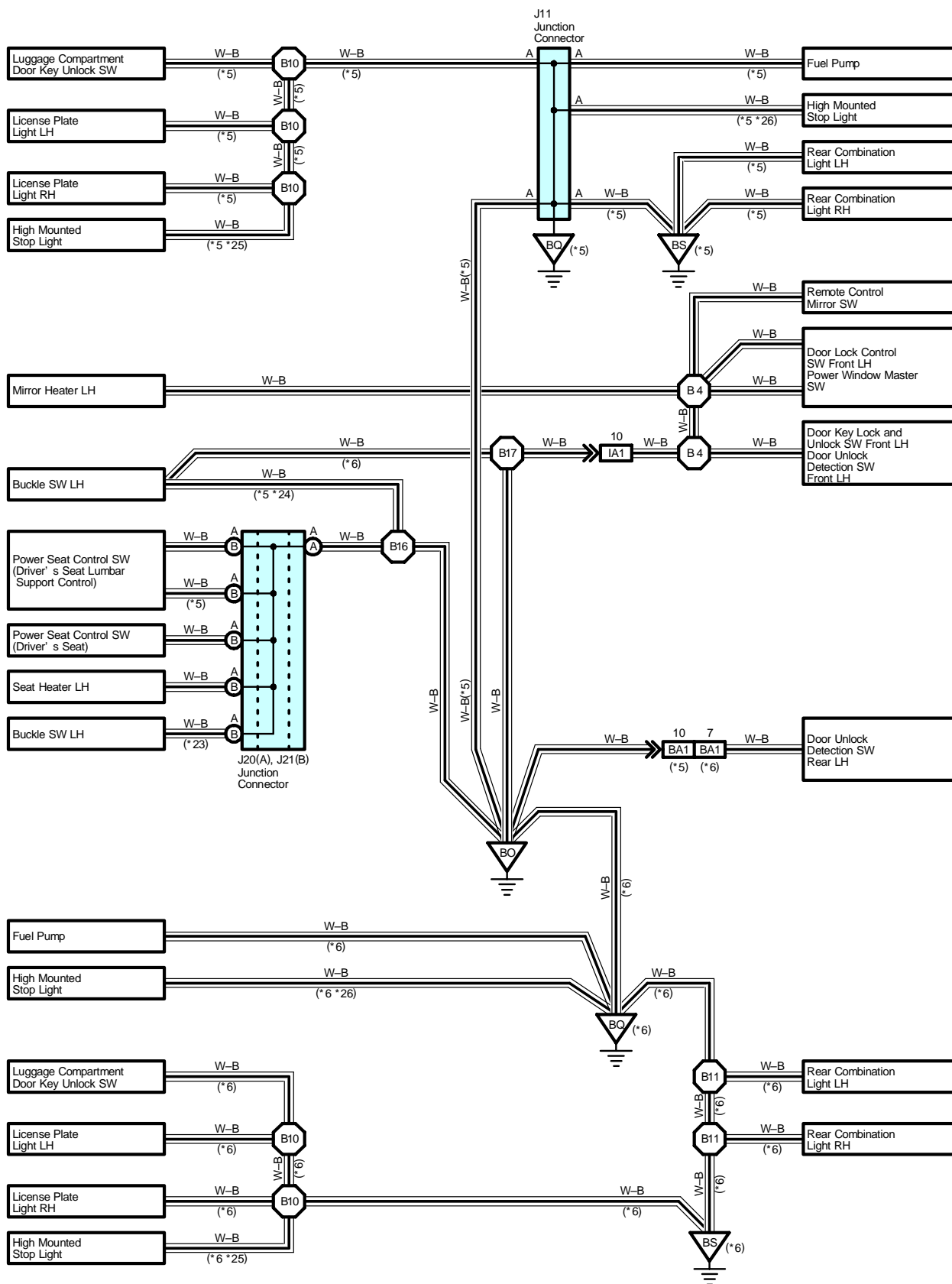


* 1 : TMMK Made
* 2 : TMC Made



- * 1 : 1MZ-FE, 3MZ-FE
- * 2 : 2AZ-FE
- * 3 : Automatic A/C
- * 4 : Manual A/C
- * 5 : TMC Made
- * 6 : TMMK Made
- * 7 : Separate Type Amplifier
- * 8 : Built-in Type Amplifier
- * 9 : w/ Navigation System
- * 10 : w/o Navigation System
- * 11 : w/ VSC
- * 12 : TMC Made w/o VSC
- * 13 : TMMK Made w/o VSC
- * 14 : * 13 w/ Power Adjustable Pedals
- * 15 : * 13 w/o Power Adjustable Pedals
- * 16 : w/ VSC TMC Made 2AZ-FE
- * 17 : w/ VSC TMC Made 1MZ-FE, w/ VSC TMC Made 3MZ-FE
- * 18 : w/ VSC TMMK Made 2AZ-FE
- * 19 : w/ VSC TMMK Made 1MZ-FE, w/ VSC TMMK Made 3MZ-FE
- * 20 : Automatic A/C, Manual A/C 1MZ-FE, Manual A/C 3MZ-FE





K CONNECTOR LIST

*5 : TMC Made w/ Mirror Heater

*6 : TMC Made w/o Mirror Heater

