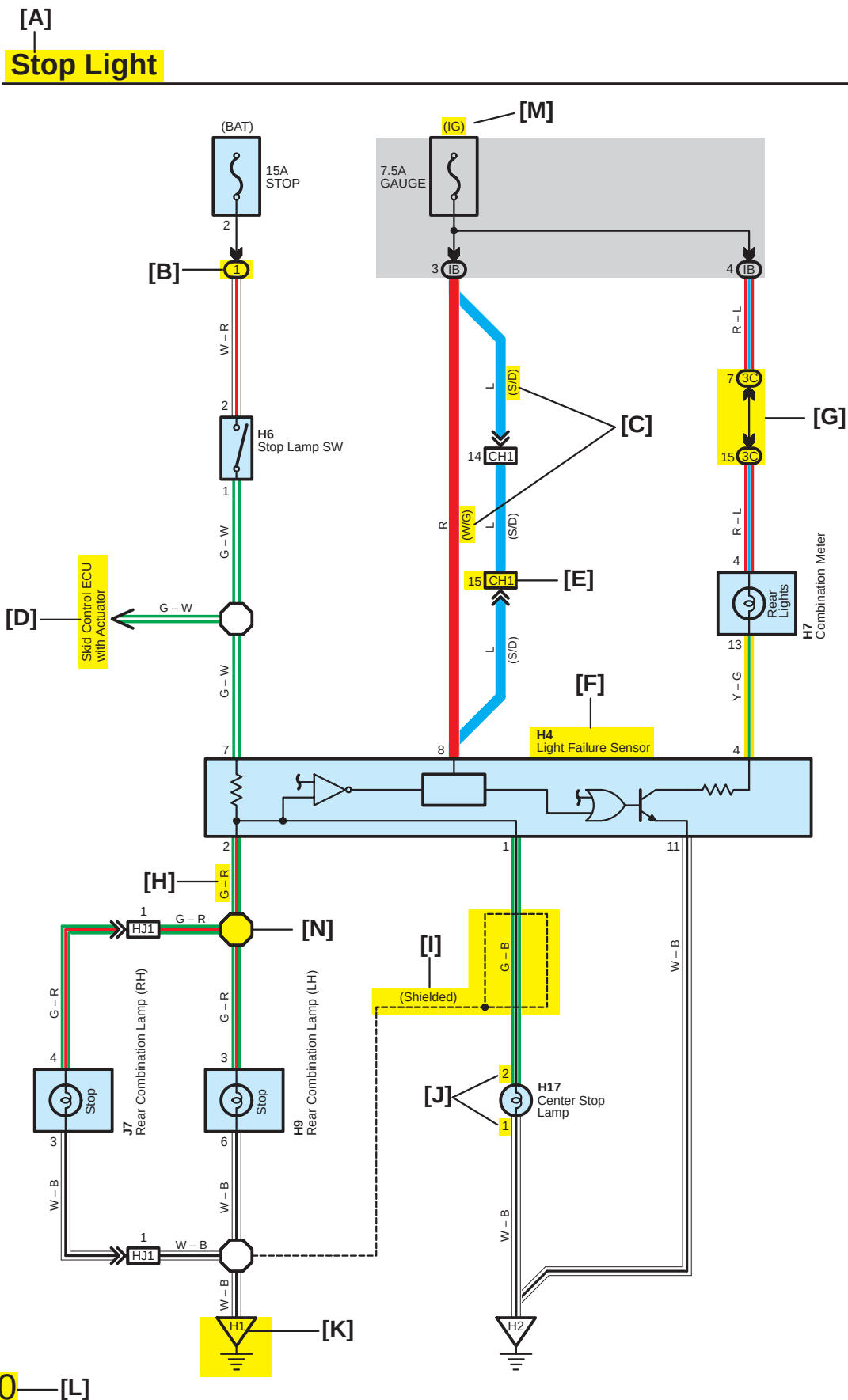


2007 CAMRY ELECTRICAL WIRING DIAGRAM

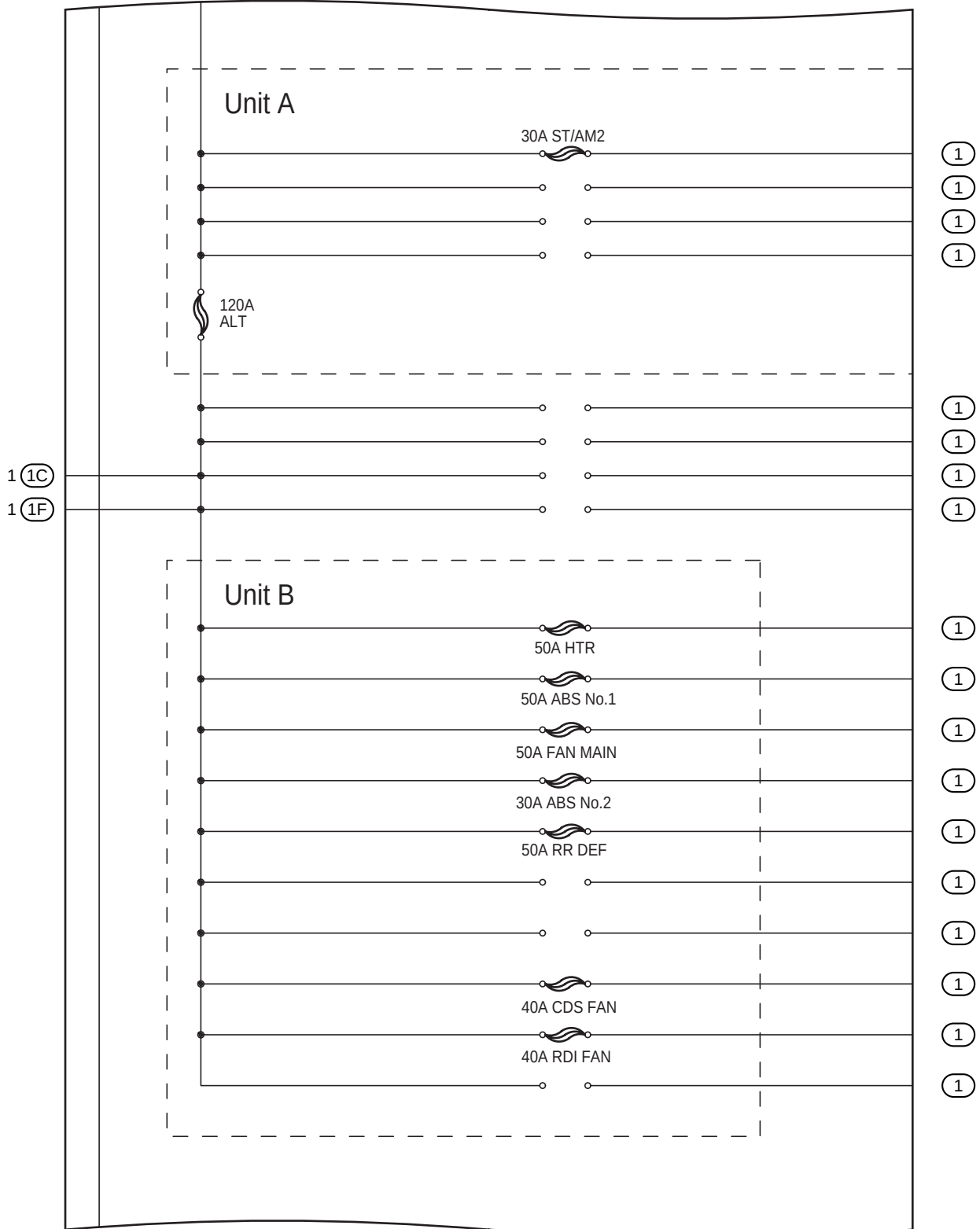
	Section Code	Page
INTRODUCTION	A	2
HOW TO USE THIS MANUAL	B	3
TROUBLESHOOTING	C	12
ABBREVIATIONS	D	17
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OVERALL ELECTRICAL WIRING DIAGRAM .	M	440

B HOW TO USE THIS MANUAL

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.



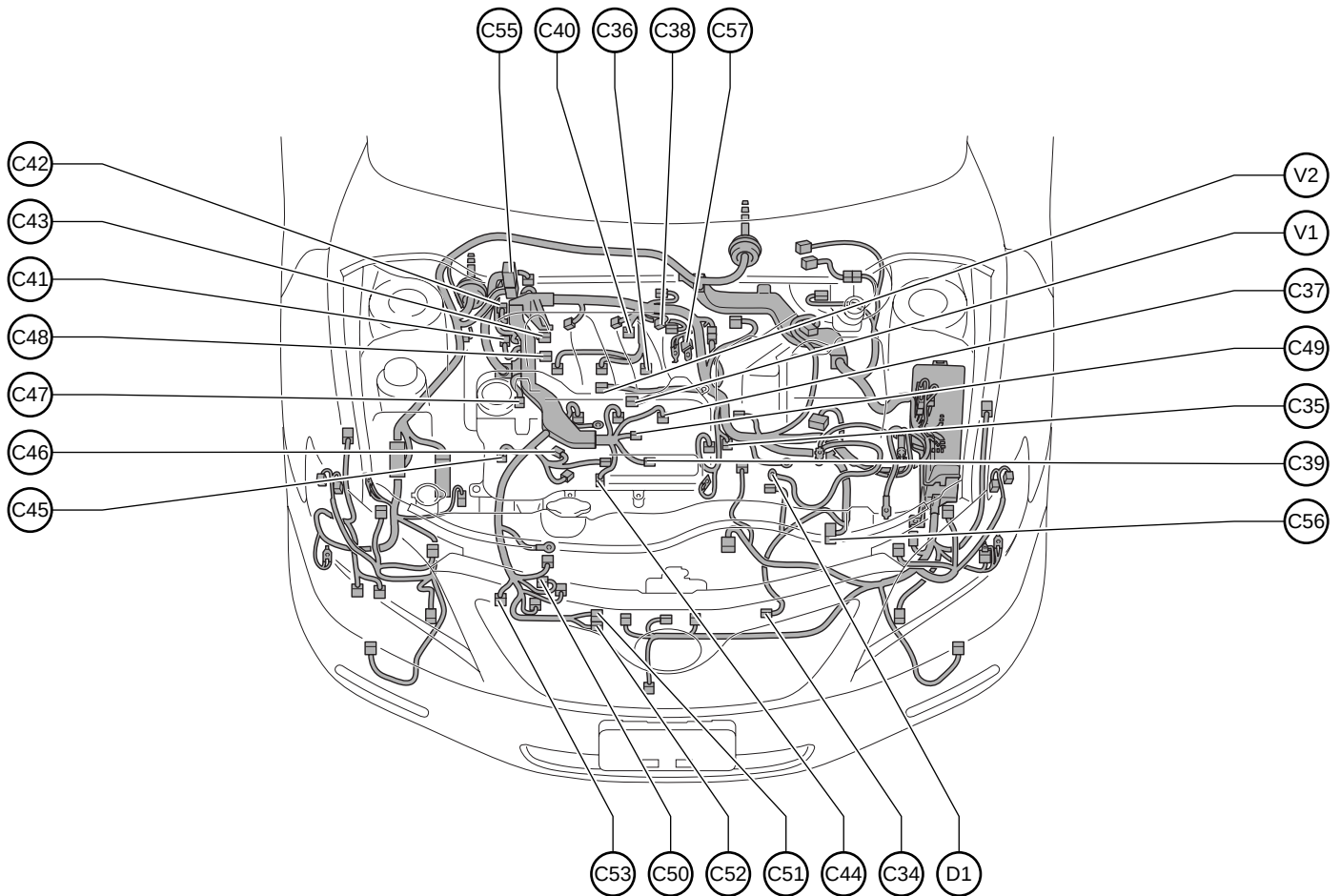
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Position of Parts in Engine Compartment

[2GR-FE]



- C34 VSV (ACM)
- C35 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
- C36 Fuel Injector (No.5)
- C37 Fuel Injector (No.6)
- C38 Ignition Coil (No.5)
- C39 Ignition Coil (No.6)
- C40 VVT Sensor (Bank 1 Exhaust Side)
- C41 VVT Sensor (Bank 1 Intake Side)
- C42 Camshaft Timing Oil Control Valve (RH Exhaust Side)
- C43 Camshaft Timing Oil Control Valve (RH Intake Side)
- C44 VVT Sensor (Bank 2 Exhaust Side)
- C45 VVT Sensor (Bank 2 Intake Side)
- C46 Camshaft Timing Oil Control Valve (LH Exhaust Side)
- C47 Camshaft Timing Oil Control Valve (LH Intake Side)
- C48 VSV (ACIS)
- C49 Noise Filter (Ignition LH)
- C50 Crankshaft Position Sensor
- C51 Heated Oxygen Sensor (Bank 2 Sensor 2)
- C52 Heated Oxygen Sensor (Bank 1 Sensor 2)
- C53 A/C Compressor
- C55 Engine Control Module
- C56 Transmission Control ECU
- C57 Junction Connector

- D 1 Starter
- V 1 Knock Control Sensor (Bank 2)
- V 2 Knock Control Sensor (Bank 1)

Smart Key System

System Outline

* Steering lock

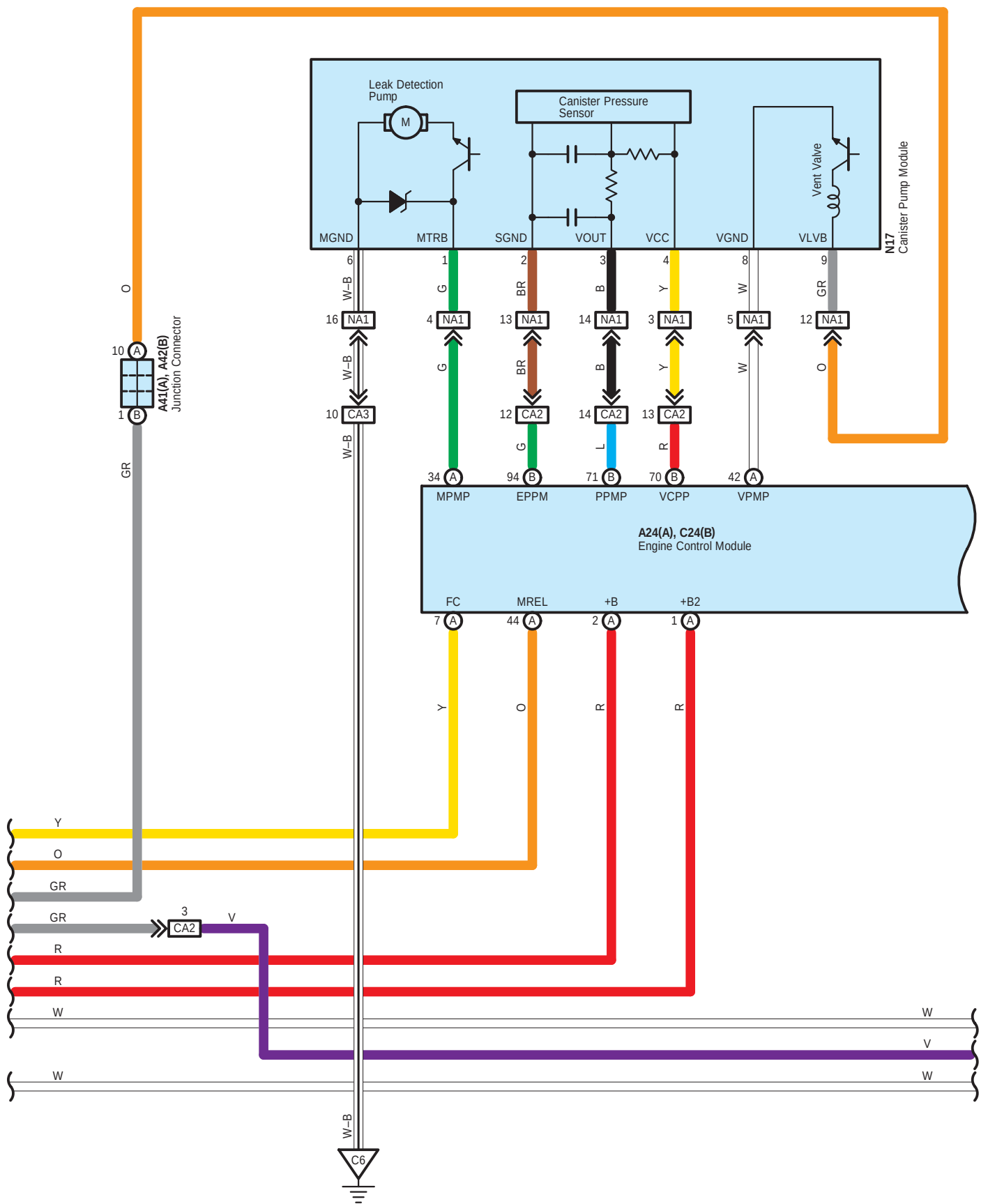
Receiving signals from the power SW and the key, the certification ECU sends instruction for locking and unlocking the steering lock to the steering lock ECU (Built in the steering lock) in order to activate the motor. The steering lock ECU detects position of the lock bar and stops the motor at the specified position.

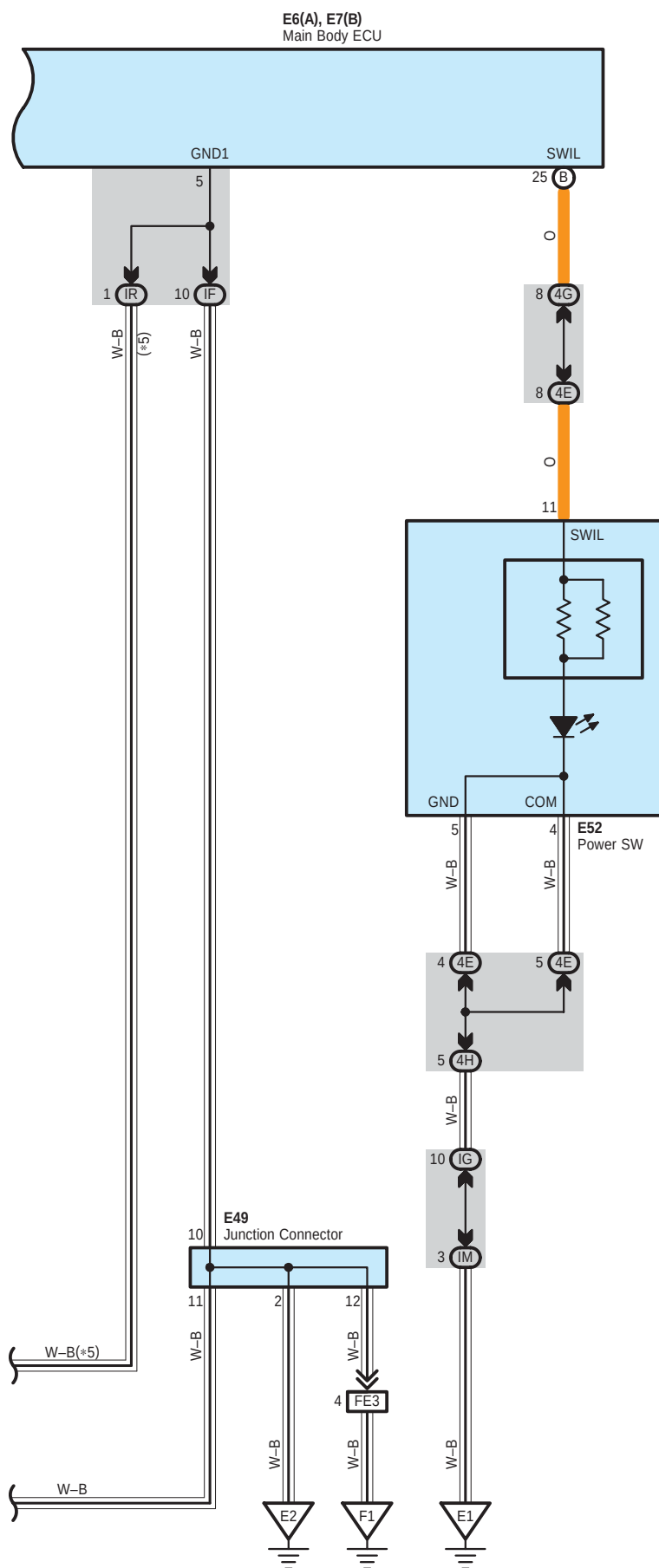
○ : Parts Location

Code		See Page		Code		See Page		Code		See Page	
A3		48 (2GR–FE)		E8	C	56		N11		60	
A4		48 (2GR–FE)		E9	D	56		N13	A	60	
A5		48 (2GR–FE)		E14		56			B	60	
A19		59		E41	B	57		N25		60	
A23		48 (2GR–FE)		E42	A	57		N28		60	
A25	C	48 (2GR–FE)		E43	B	57		N29		60	
A26	A	48 (2GR–FE)		E44	C	57		O6		60	
A40	A	59		E49		57		O10		60	
A41	A	59		E50		57		O18		60	
A42	B	59		E51		57		O19		60	
A43		49 (2GR–FE)		E52		57		O21		60	
A48		49 (2GR–FE)		E56		57		Q6		61	
A55	A	49 (2GR–FE)		E58	A	57		Q9		61	
A60	B	49 (2GR–FE)		E59	B	57		S5		61	
C1	A	50 (2GR–FE)		F1	A	58		S8		61	
C3	A	50 (2GR–FE)		F2	B	58		S9		61	
C50		51 (2GR–FE)		F3		58		S14		61	
C55	B	51 (2GR–FE)		H8		61		S15		61	
C56		51 (2GR–FE)		I7		61		W1		61	
C57		51 (2GR–FE)		J5		61		W2		61	
D1	C	51 (2GR–FE)		K5		61		X1		61	
E6	A	56		N6	A	60		X2		61	
E7	B	56			B	60					

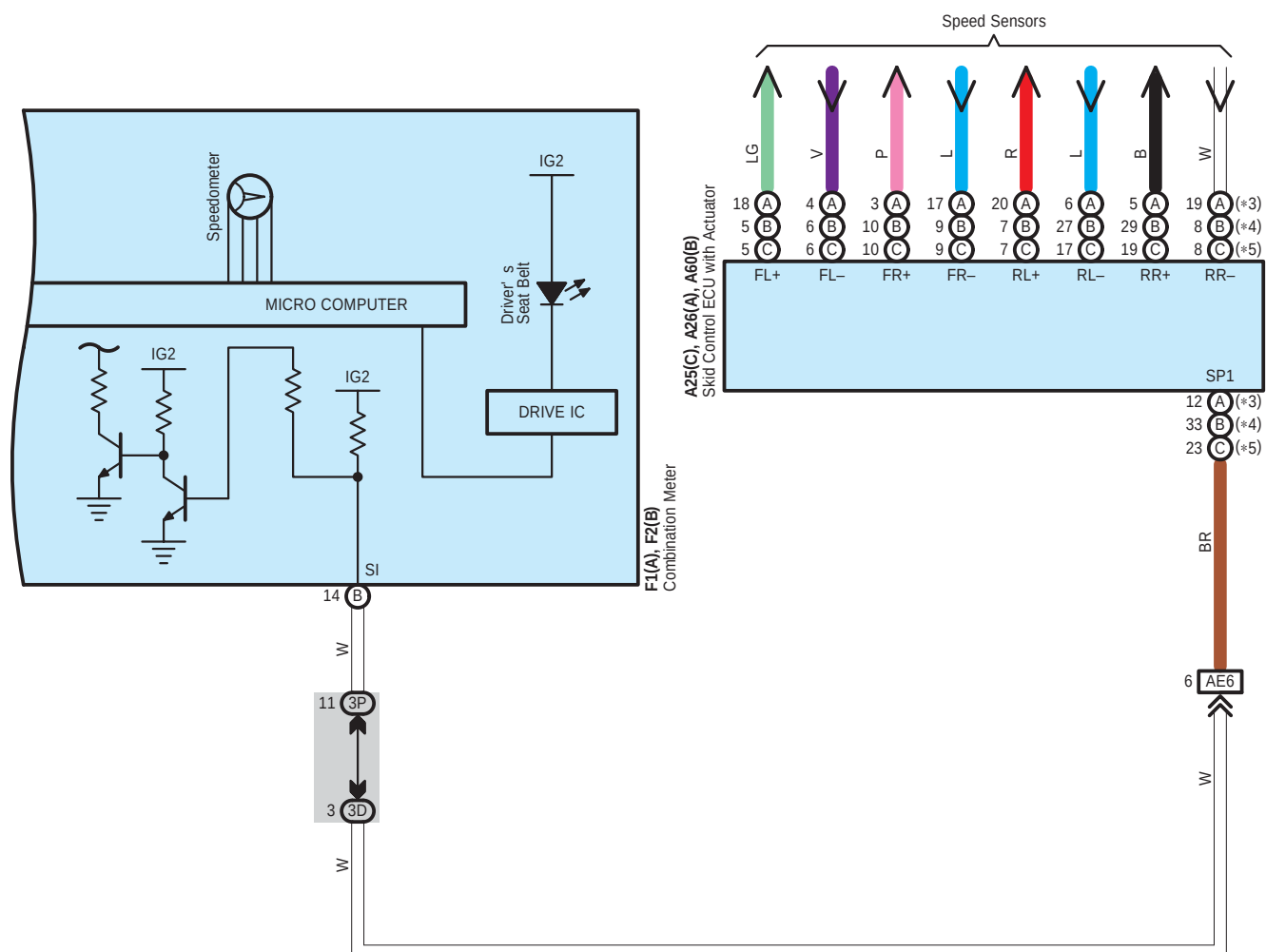
○ : Relay Blocks

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





- * 1 : 2GR-FE
- * 2 : 2AZ-FE
- * 3 : w/ VSC TMC Made
- * 4 : w/ VSC TMMK Made
- * 5 : w/o VSC



System Outline

1. Manual Down or Up Operation

When the power window master SW is pushed one step, the motor rotates to open the window.

When the power window master SW is pulled up one step, the motor rotates in the opposite direction, to close the window.

All the other windows can be opened/closed as well, by the operation of the power window master SW or respective power window SW.

2. Auto Down or Up Operation

When the power window master SW is pushed two steps, the motor rotates to open the window automatically.

When the power window master SW is pulled up two steps, the motor rotates to close the window automatically. (w/ jam protection)

3. Jam Protection Function

When any foreign object gets caught during power window UP operation, the motor rotates in the opposite direction to open the window.

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
E7	B	56	I4	61	M1	A	61
E8	C	56	I5	61		B	61
E48		57	J1	61	N6	A	60
E49		57	J3	61		B	60
H4		61	K1	61			
H6		61	K3	61			

○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
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)
1F	22	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
3D	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3F		
3O		
IA	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IJ		
IK		
IL		
IM		
IP	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)

Theft Deterrent



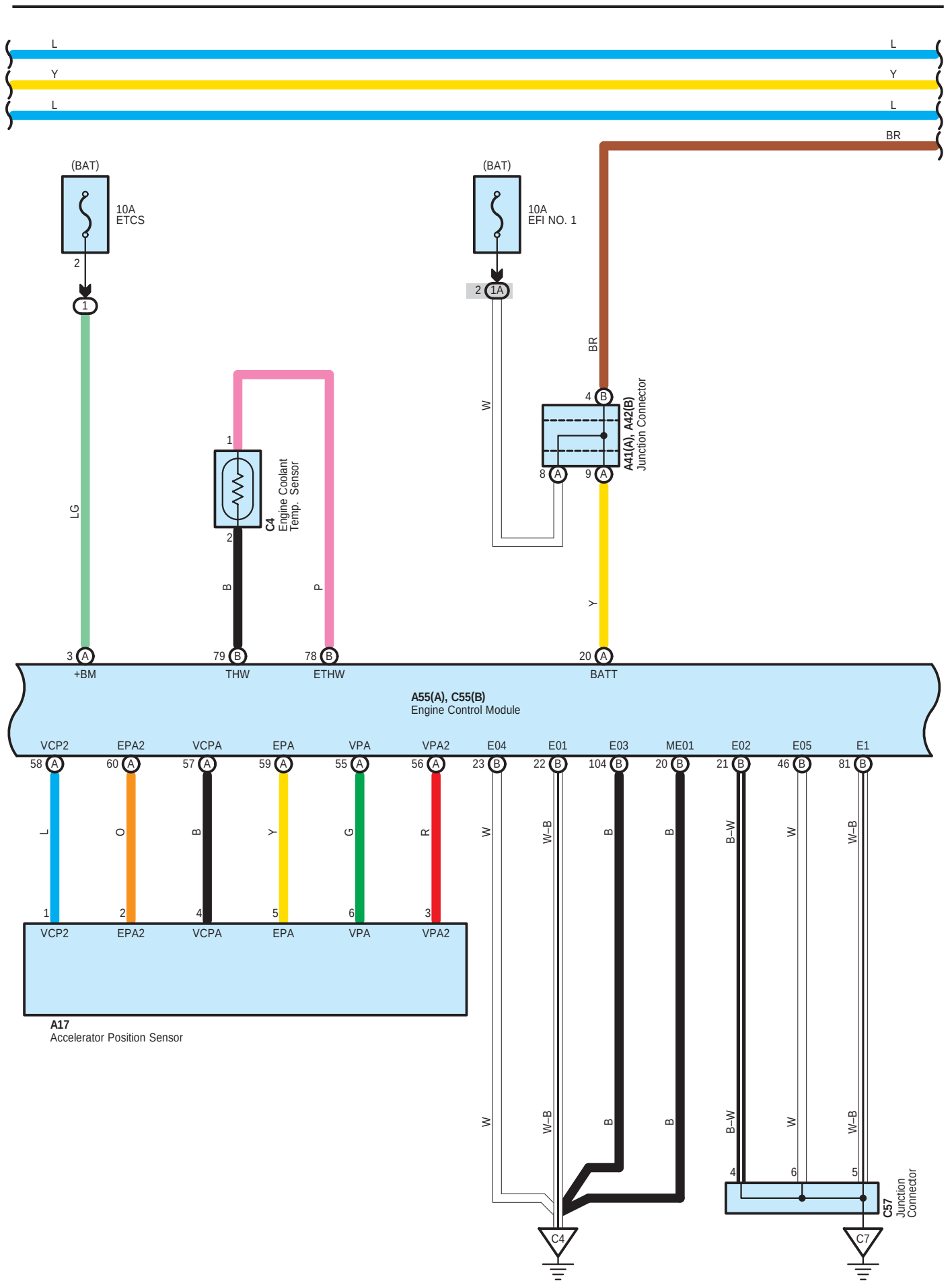
: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1B		
1D		
1F	22	
1G		
3A		
3B	36	Instrument Panel Wire and J/B No.3 (Behind the Combination Meter)
3C		
3D		
3E		
3F		
3G		
3I		
3J		
3K		
3L		
3M		
3N		
3O		
3R	36	Instrument Panel No.2 Wire and J/B No.3 (Behind the Combination Meter)
3U		
IA	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
ID		
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
II	31	
IJ	30	
IK		
IL		
IM		
IO	30	Floor Wire and Instrument Panel J/B (Cowl Side Left)
IP		
IR	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)



: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AE2	66	Engine Room Main Wire and Instrument Panel Wire (Right Side of the Instrument Panel J/B)
AE6	66	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Right)
EN1	66	Instrument Panel Wire and Floor Wire (Left Kick Panel)
EN2		
EO1	66	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
EO2		
EQ1	66	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE3	66	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)
HE1	66	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
HE2		
IE2	66	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IM1	67	Front Door LH Wire and Front Door LH No.2 Wire (Inside of the Front Door LH)
IM2		
JO1	67	Rear Door No.1 Wire and Floor No.2 Wire (Right Center Pillar)
KN1	67	Rear Door No.2 Wire and Floor Wire (Left Center Pillar)
SN1	67	Luggage Room Wire and Floor Wire (Luggage Room Left)



 : Parts Location

Code	See Page	Code	See Page	Code	See Page
E49	57	Q6	61		

 : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
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)
ID	30	Engine Room Main Wire and Instrument Panel J/B (Cowl Side Left)
IF	30	Instrument Panel Wire and Instrument Panel J/B (Cowl Side Left)
IL		
IR		

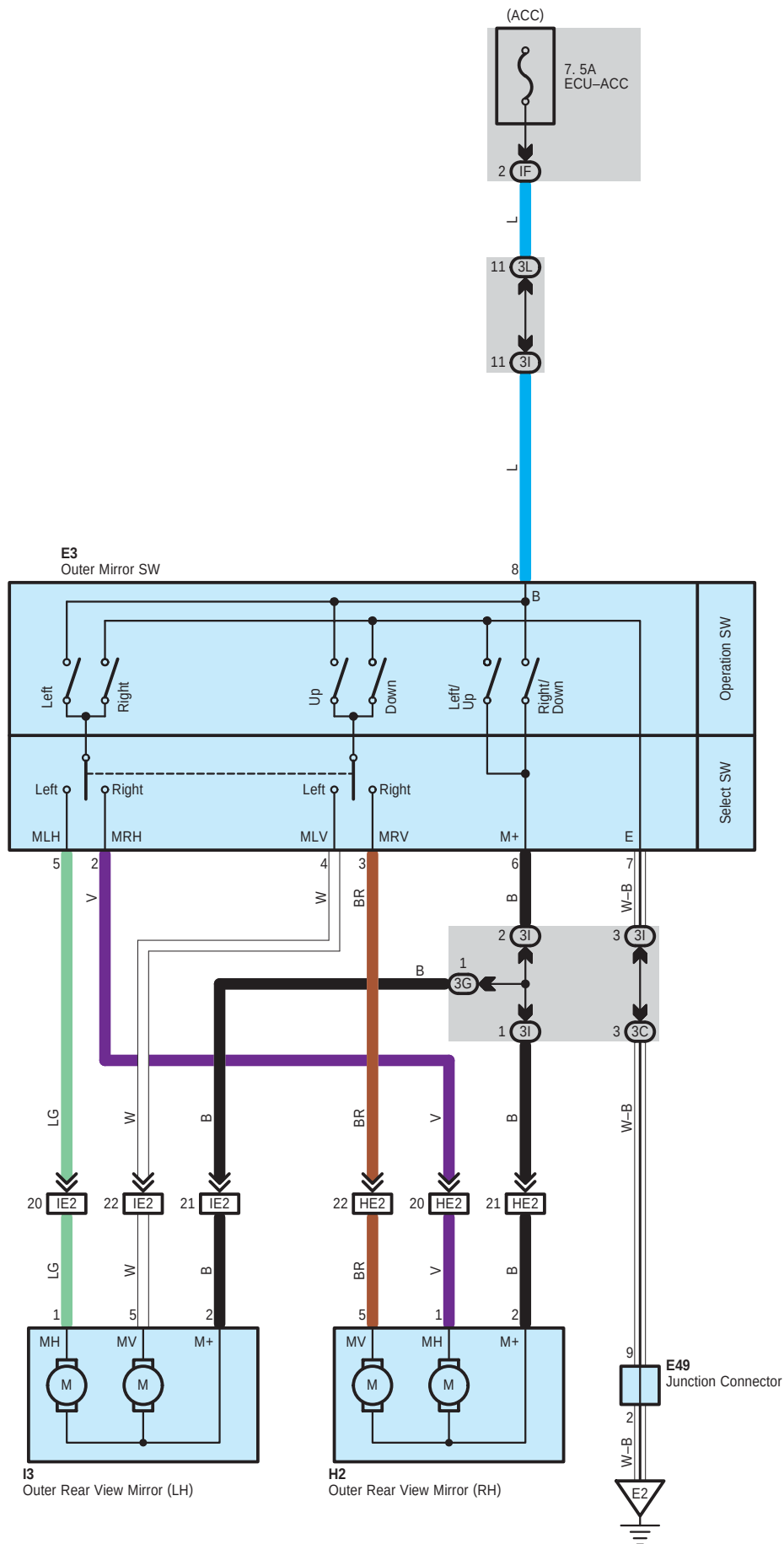
 : Connector Joining Wire Harness and Wire Harness

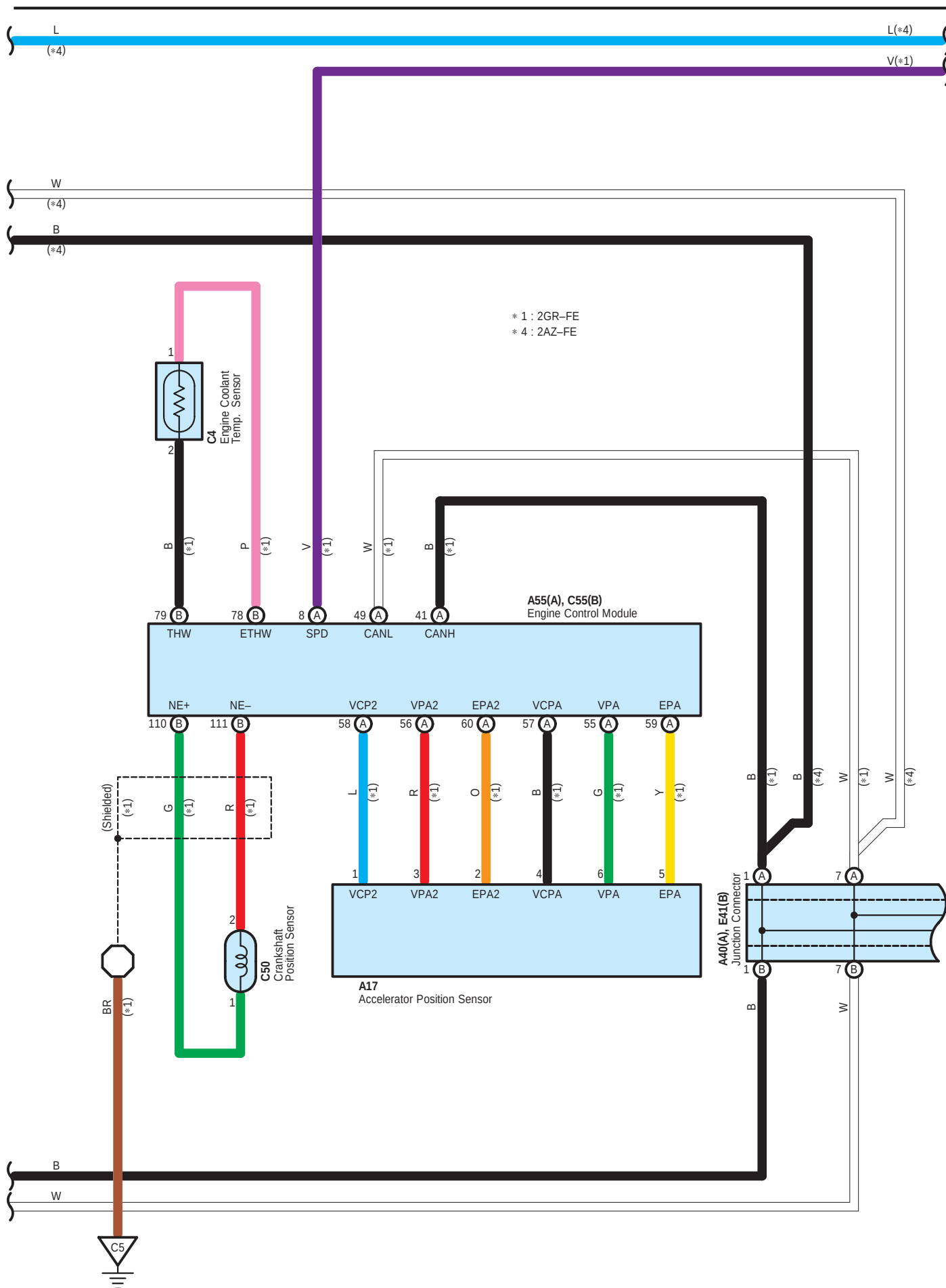
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EQ1	66	Instrument Panel Wire and Roof Wire (Lower Part of Front Pillar LH)
FE3	66	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Center)

 : Ground Points

Code	See Page	Ground Points Location
E2	66	Instrument Panel Brace LH
F1	66	Instrument Panel Left

Remote Control Mirror





Data Link Connector 3

Engine Immobiliser System
(w/o Smart Key System)

