

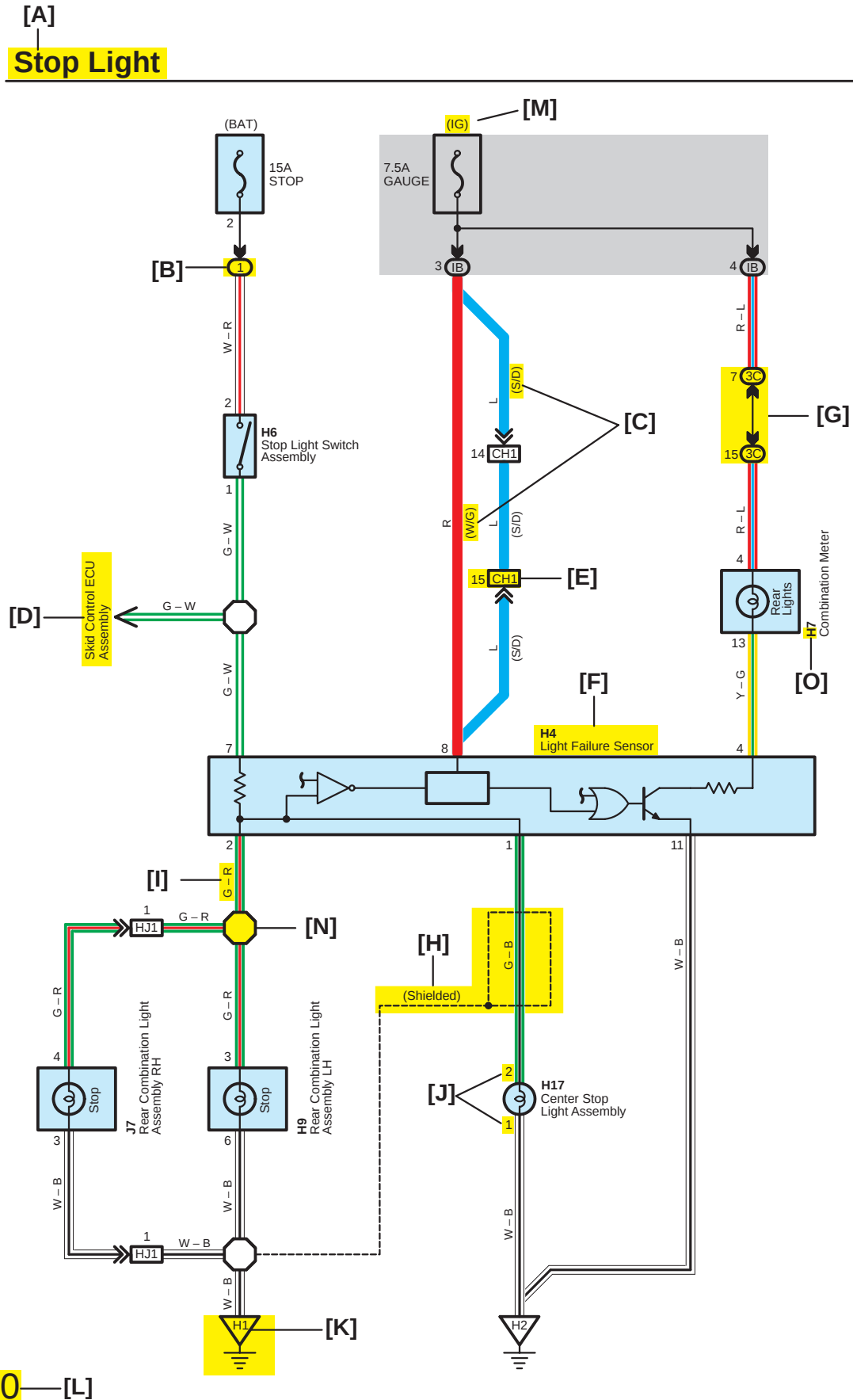
BRZ

ELECTRICAL WIRING DIAGRAM

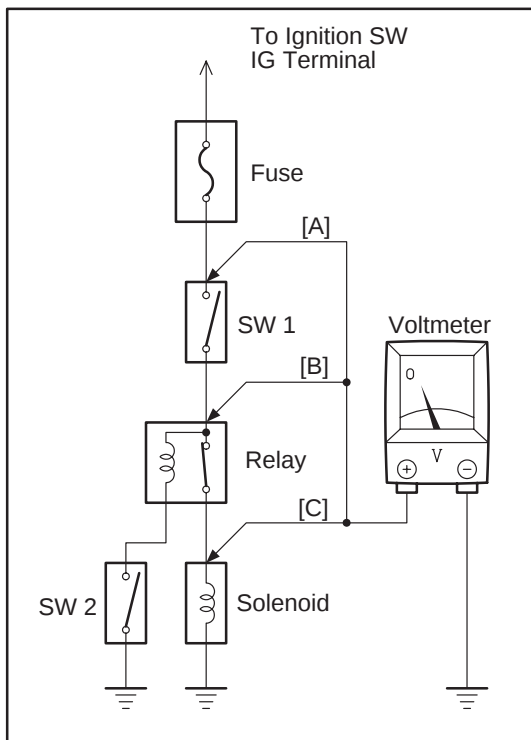
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B HOW TO USE THIS MANUAL

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



C TROUBLESHOOTING



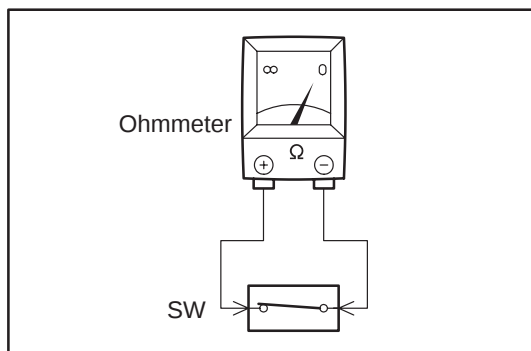
VOLTAGE CHECK

- Establish conditions in which voltage is present at the check point.

Example:

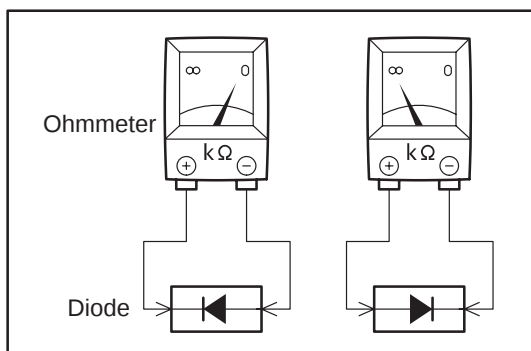
- [A] – Ignition SW on
- [B] – Ignition SW and SW 1 on
- [C] – Ignition SW, SW 1 and Relay on (SW 2 off)

- Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal.
This check can be done with a test light instead of a voltmeter.



CONTINUITY AND RESISTANCE CHECK

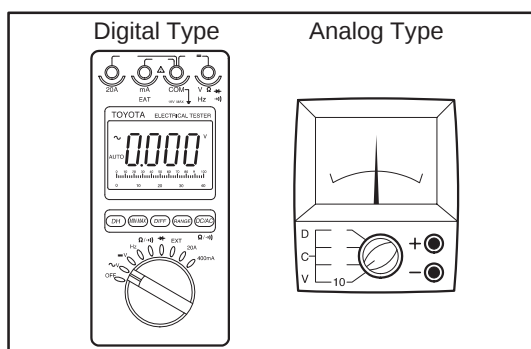
- Disconnect the battery terminal or wire so there is no voltage between the check points.
- Contact the two leads of an ohmmeter to each of the check points.



If the circuit has diodes, reverse the two leads and check again.

When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.

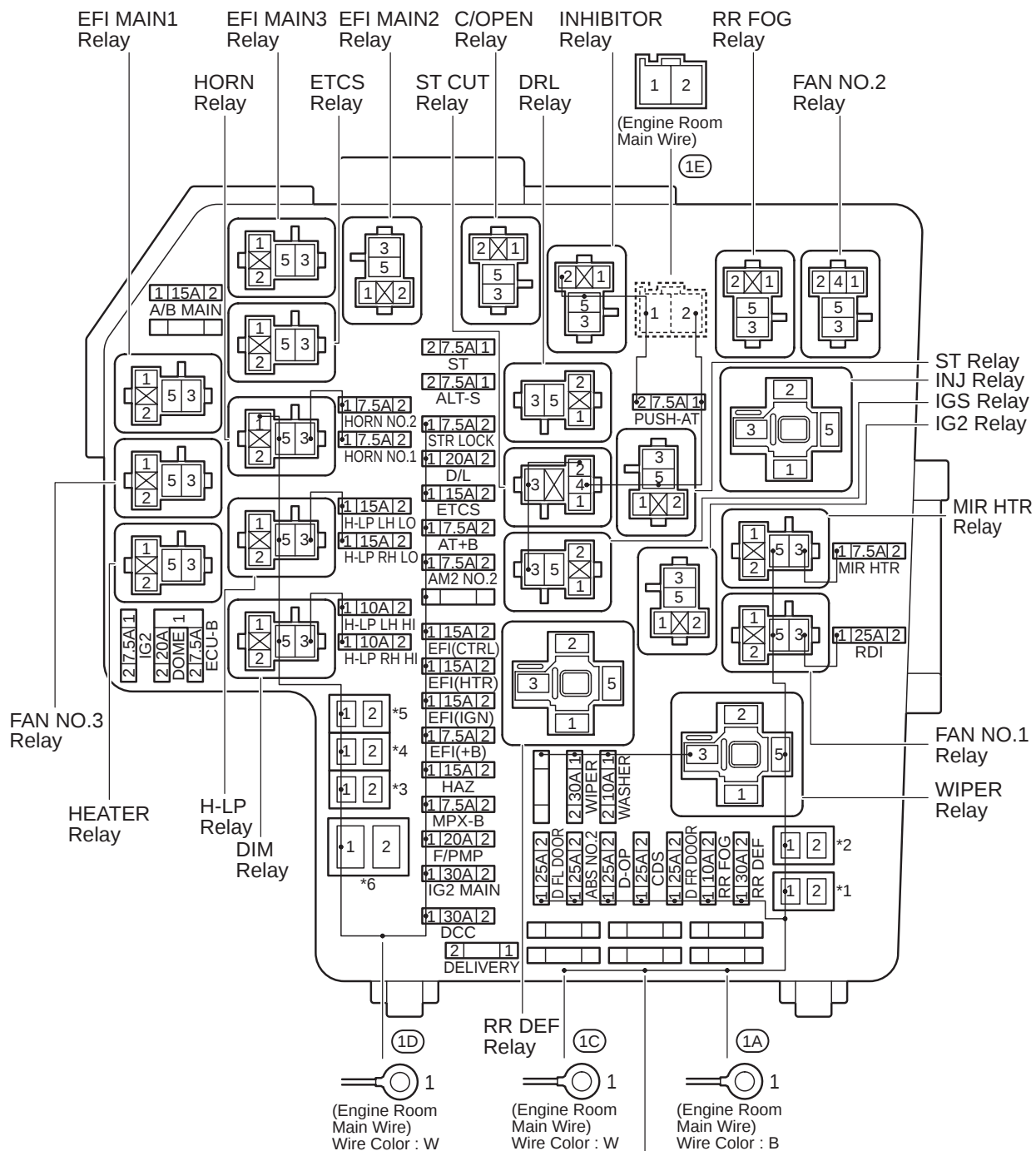
When contacting the two leads in reverse, there should be no continuity.



- Use a volt/ohmmeter with high impedance (10k Ω /V minimum) for troubleshooting of the electrical circuit.

F RELAY LOCATIONS

① : Engine Room R/B	Engine Compartment Right (See Page 20)
○ : Engine Room J/B	

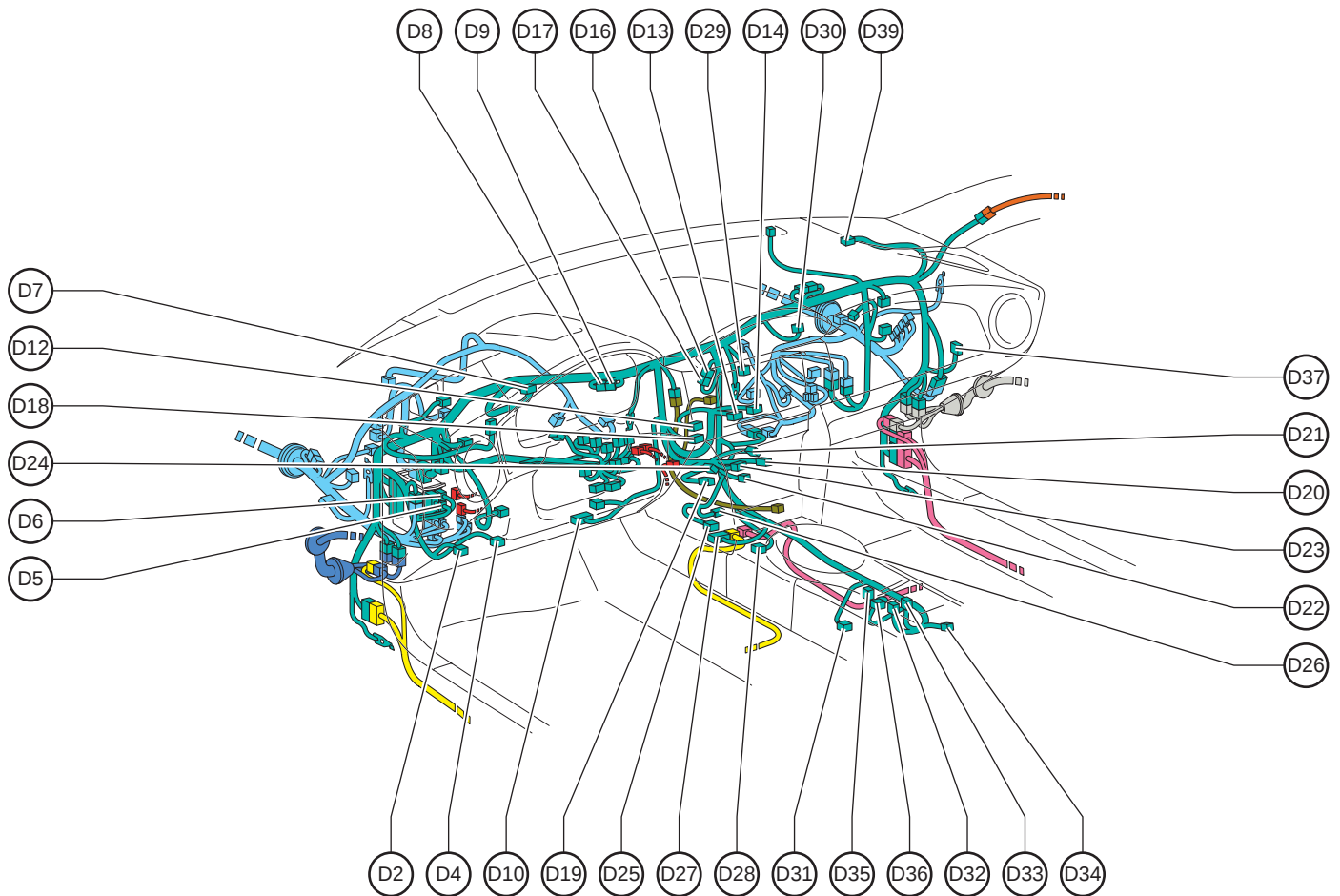


- * 1:50A HEATER (for High Current)
- * 2:40A ABS NO.1 (for High Current)
- * 3:40A AM2 NO.1 (for High Current)
- * 4:30A H-LP WASHER (for High Current)
- * 5:30A INJ (for High Current)
- * 6:80A EPS (for High Current)

G ELECTRICAL WIRING ROUTING

Position of Parts in Instrument Panel

[LHD]



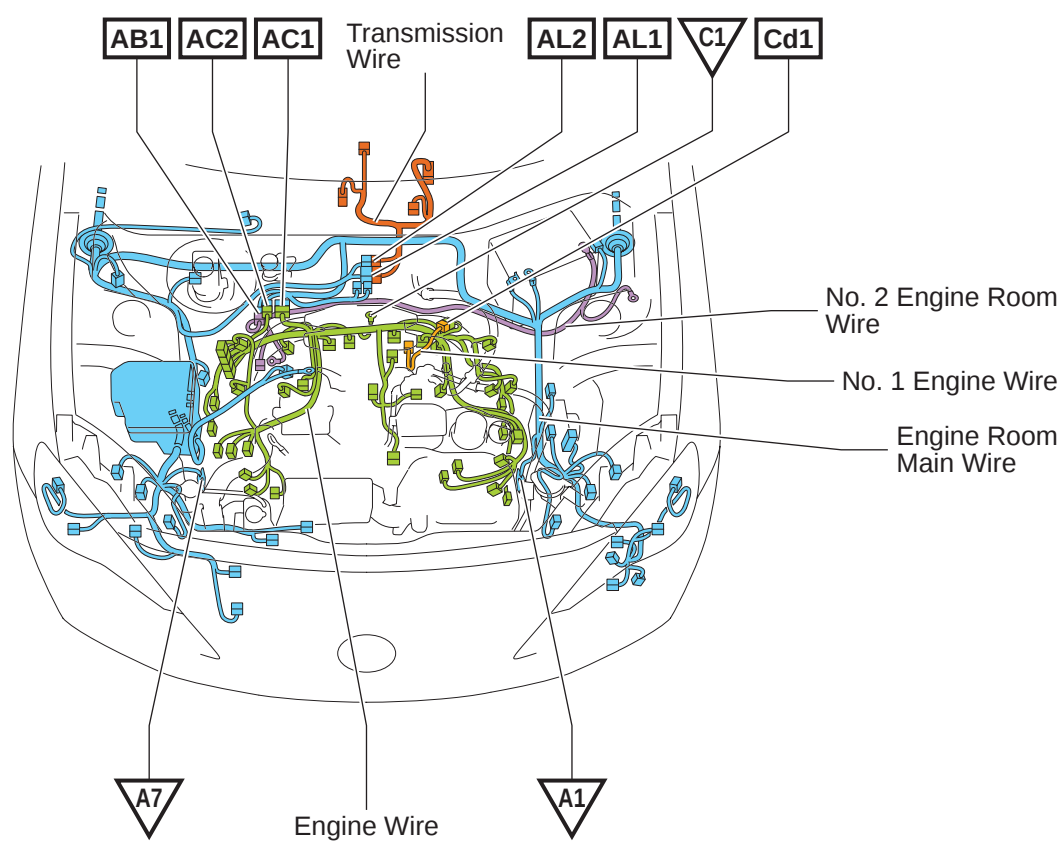
D2	Light Control Rheostat	D22	No. 3 Heater Control Sub-Assembly
D4	Luggage Door Opening Switch Assembly	D23	No. 3 Heater Control Sub-Assembly
D5	Main Body ECU	D24	Heater Control Sub-Assembly
D6	Main Body ECU	D25	Engine Switch
D7	Combination Meter Assembly	D26	Indoor Electrical Key Oscillator Assembly
D8	Junction Connector	D27	Airbag Control Module
D9	Junction Connector	D28	Shift Lever Position Sensor (Floor Shift Control Lever)
D10	DLC3	D29	Option Connector
D12	Radio Receiver Assembly	D30	Passenger's Airbag Module
D13	Radio Receiver Assembly	D31	Parking Brake Switch Assembly
D14	Radio Receiver Assembly	D32	Seat Heater Switch LH
D16	Junction Connector	D33	Seat Heater Switch RH
D17	Junction Connector	D34	No. 2 Power Outlet Socket Assembly
D18	Clock Assembly	D35	Pattern Select Switch Assembly
D19	A/C Amplifier Assembly	D36	Shift Position Indicator
D20	A/C Amplifier Assembly	D37	Airbag Cut Off Switch
D21	No. 1 Heater Control Sub-Assembly	D39	Front No. 2 Speaker Assembly RH

G ELECTRICAL WIRING ROUTING

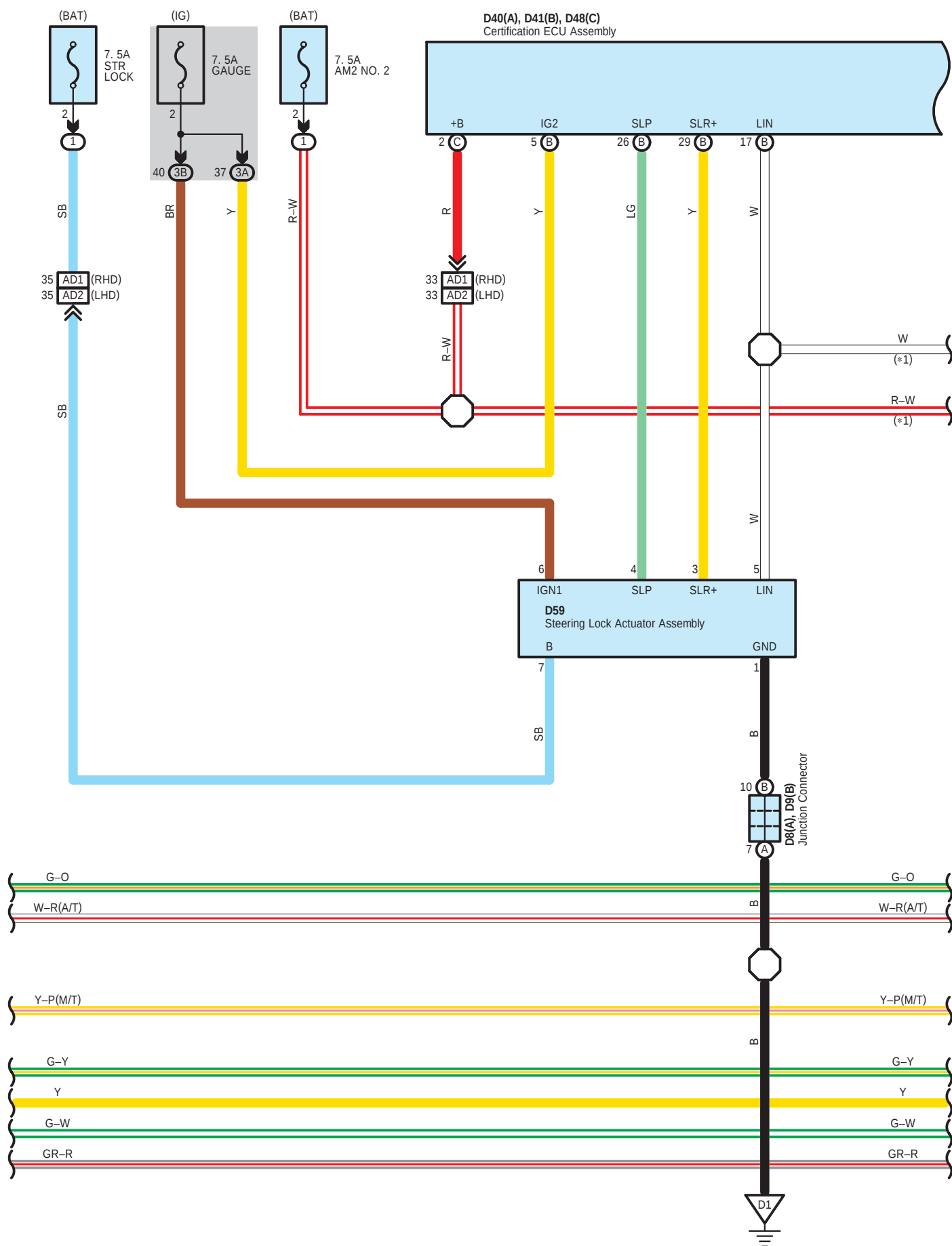
□ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

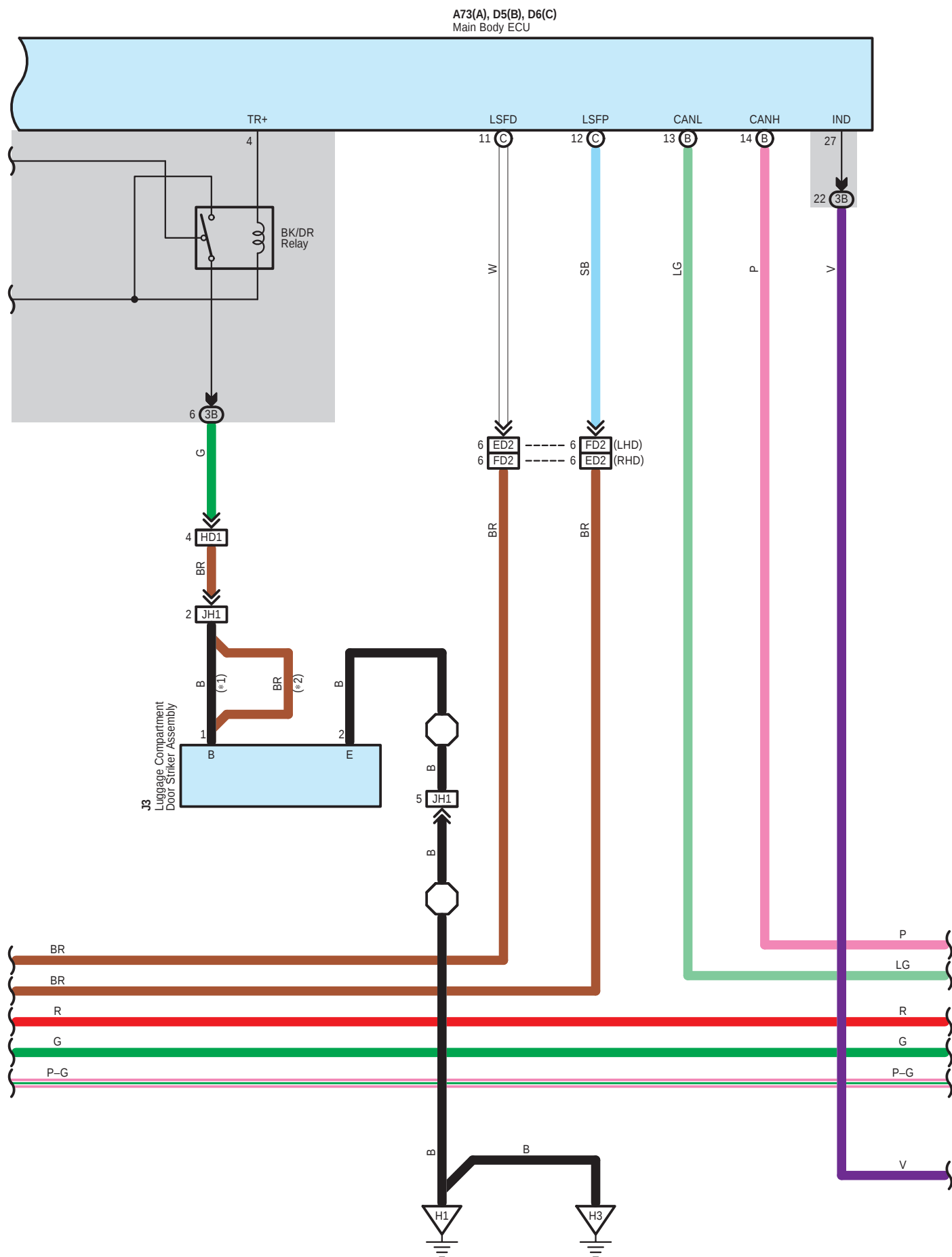
[RHD]



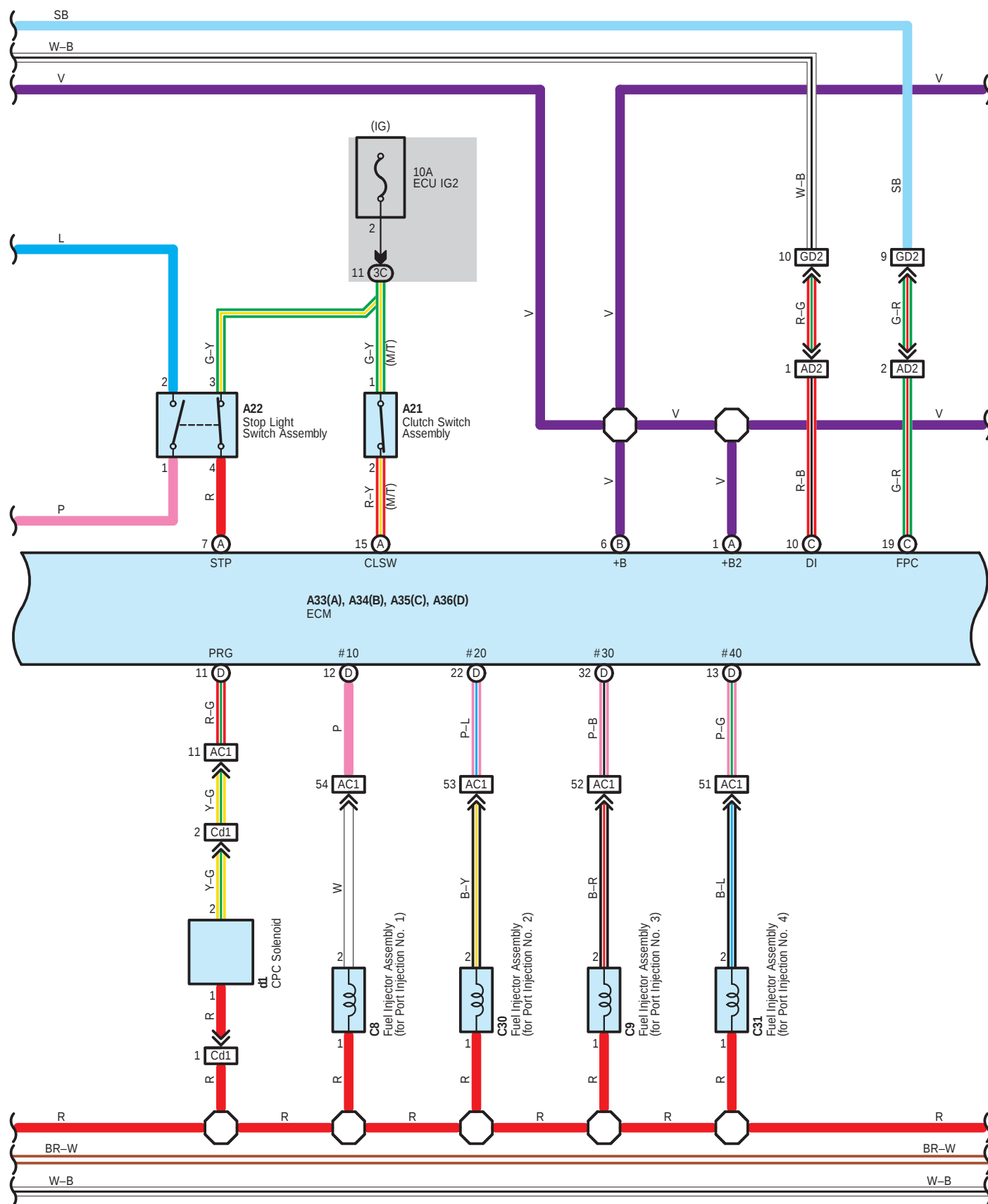
Engine Immobiliser System (w/ Entry & Start System), Entry & Start System, Starting (w/ Entry & Start System), Steering Lock (w/ Entry & Start System) and Wireless Door Lock Control (w/ Entry & Start System)

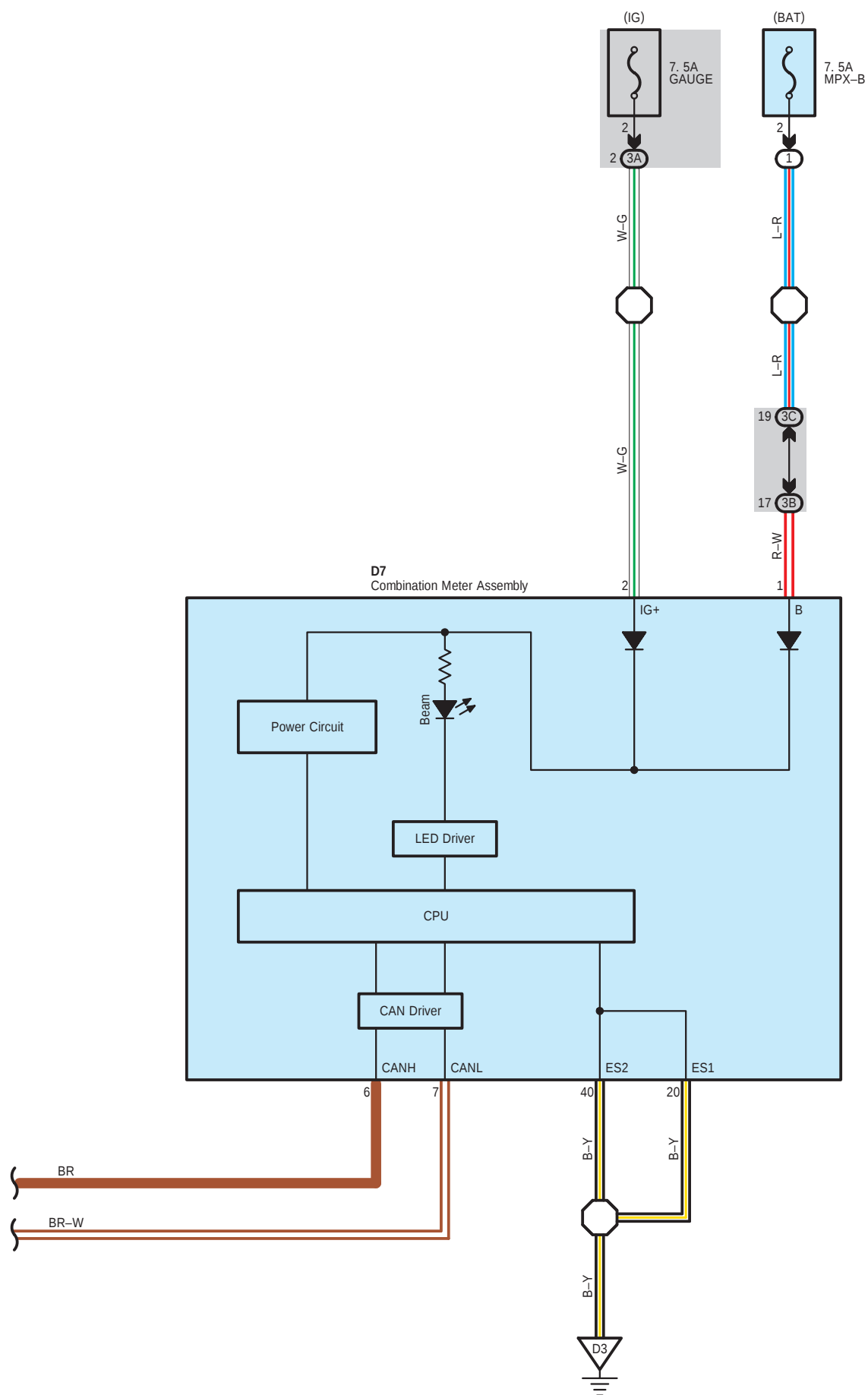


Engine Immobiliser System (w/ Entry & Start System), Entry & Start System, Starting (w/ Entry & Start System), Steering Lock (w/ Entry & Start System) and Wireless Door Lock Control (w/ Entry & Start System)



Cruise Control, ECT and A/T Indicator (A/T), Engine Control, Shift Indicator (M/T) and Shift Lock





 : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
A4	39 (LHD) 47 (RHD)	A60	47 (RHD)	D8	A 48 (RHD)
A9	A 42 (LHD) 50 (RHD)	A73	A 42 (LHD) 50 (RHD)	D9	B 40 (LHD) 48 (RHD)
A17	50 (RHD)	A76	B 39 (LHD) 47 (RHD)	D16	A 40 (LHD) 48 (RHD)
A33	A 42 (LHD) 50 (RHD)	C33	38 (LHD) 46 (RHD)	D17	B 40 (LHD) 48 (RHD)
A34	B 42 (LHD) 50 (RHD)	D5	B 40 (LHD) 48 (RHD)	D31	40 (LHD) 48 (RHD)
A38	39 (LHD) 47 (RHD)	D6	C 40 (LHD) 48 (RHD)	D43	41 (LHD) 49 (RHD)
A41	39 (LHD) 47 (RHD)	D7	40 (LHD) 48 (RHD)	D50	A 41 (LHD) 49 (RHD)
A60	39 (LHD)	D8	A 40 (LHD)		

 : **Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
1	24	Engine Room R/B (Engine Compartment Right)

 : **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	24	Engine Room Main Wire and Engine Room J/B (Engine Compartment Right)
3A	26	Instrument Panel Wire and Instrument Panel J/B Assembly (Instrument Panel Reinforcement)
3B		
3C	26	Engine Room Main Wire and Instrument Panel J/B Assembly (Instrument Panel Reinforcement)

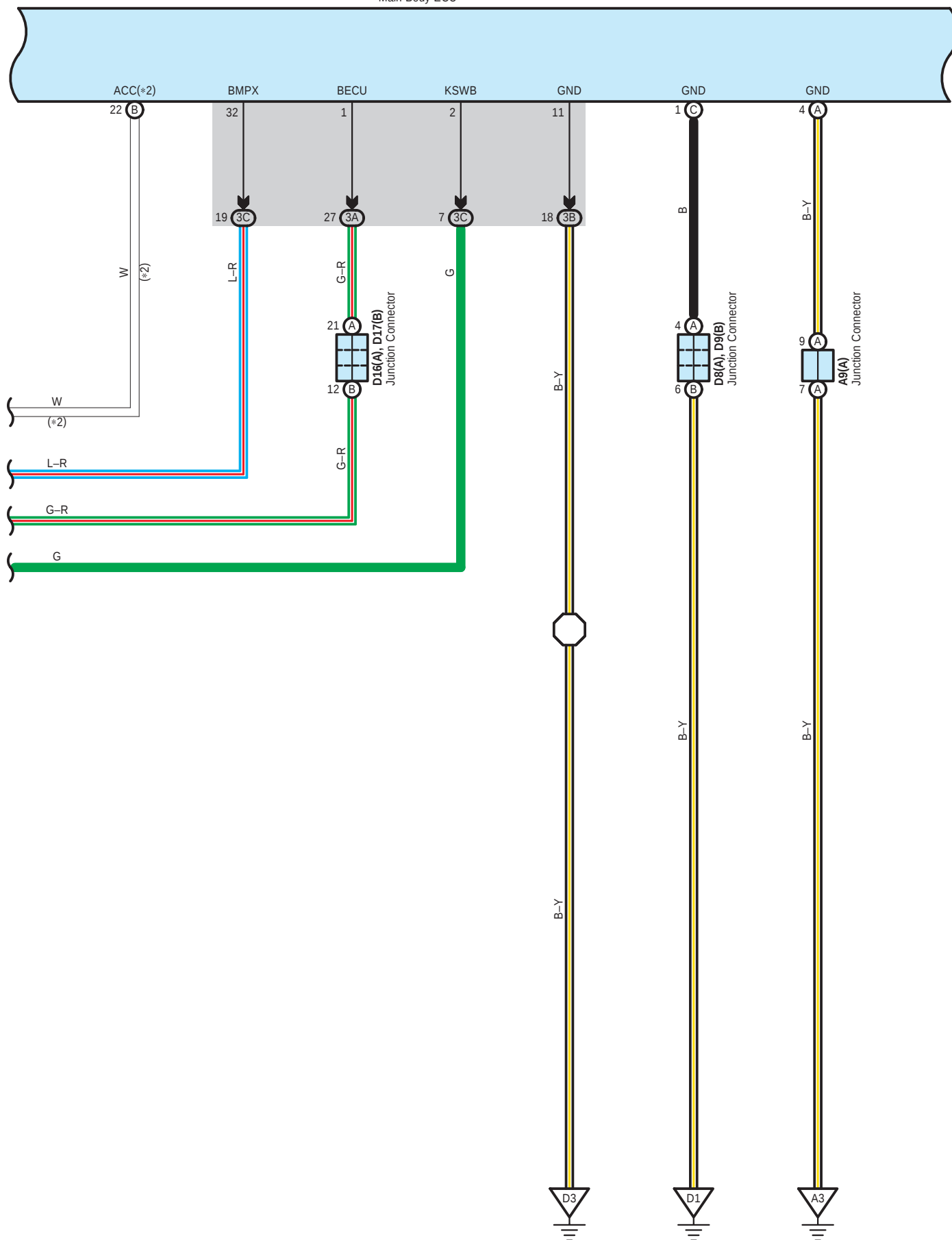
 : **Connector Joining Wire Harness and Wire Harness**

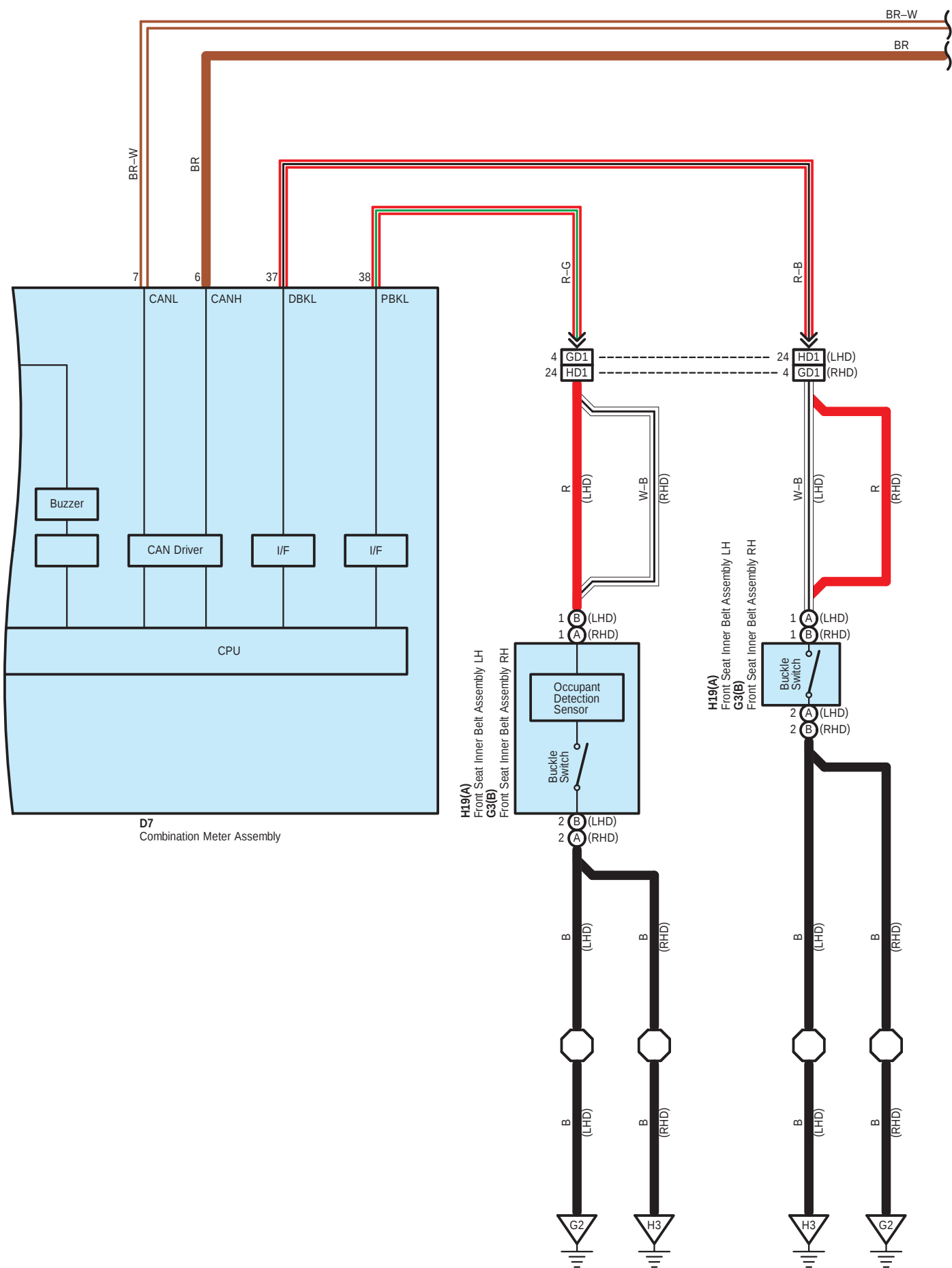
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AC1	54 (LHD) 58 (RHD)	Engine Room Main Wire and Engine Wire (Engine Unit)
AD1	55 (LHD) 59 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Cowl Side Panel RH)
AD2	55 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement)

 : **Ground Points**

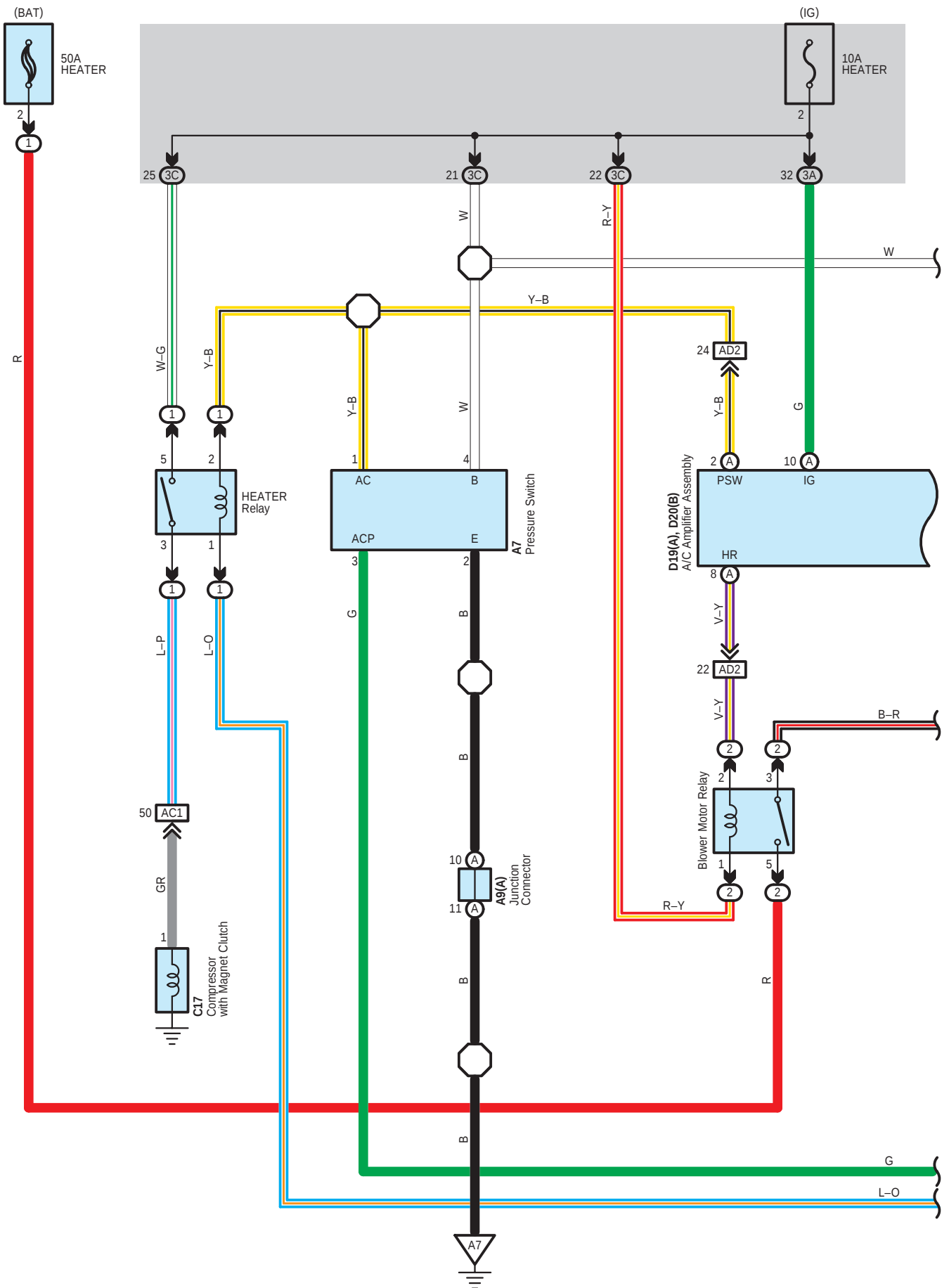
Code	See Page	Ground Points Location
A1	54 (LHD) 58 (RHD)	Front Fender Apron LH
A3	55 (LHD) 59 (RHD)	Cowl Side Panel RH Cowl Side Panel LH
A7	54 (LHD) 58 (RHD)	Front Fender Apron RH
C1	54 (LHD) 58 (RHD)	Engine Unit
D1	55 (LHD) 59 (RHD)	Cowl Side Panel LH Cowl Side Panel RH
D3	55 (LHD) 59 (RHD)	Instrument Panel Brace RH Instrument Panel Brace LH
D4	55 (LHD) 59 (RHD)	Cowl Side Panel RH Cowl Side Panel LH

A73(A), D5(B), D6(C)
Main Body ECU





Air Conditioner (RHD Automatic A/C)



K CONNECTOR LIST

