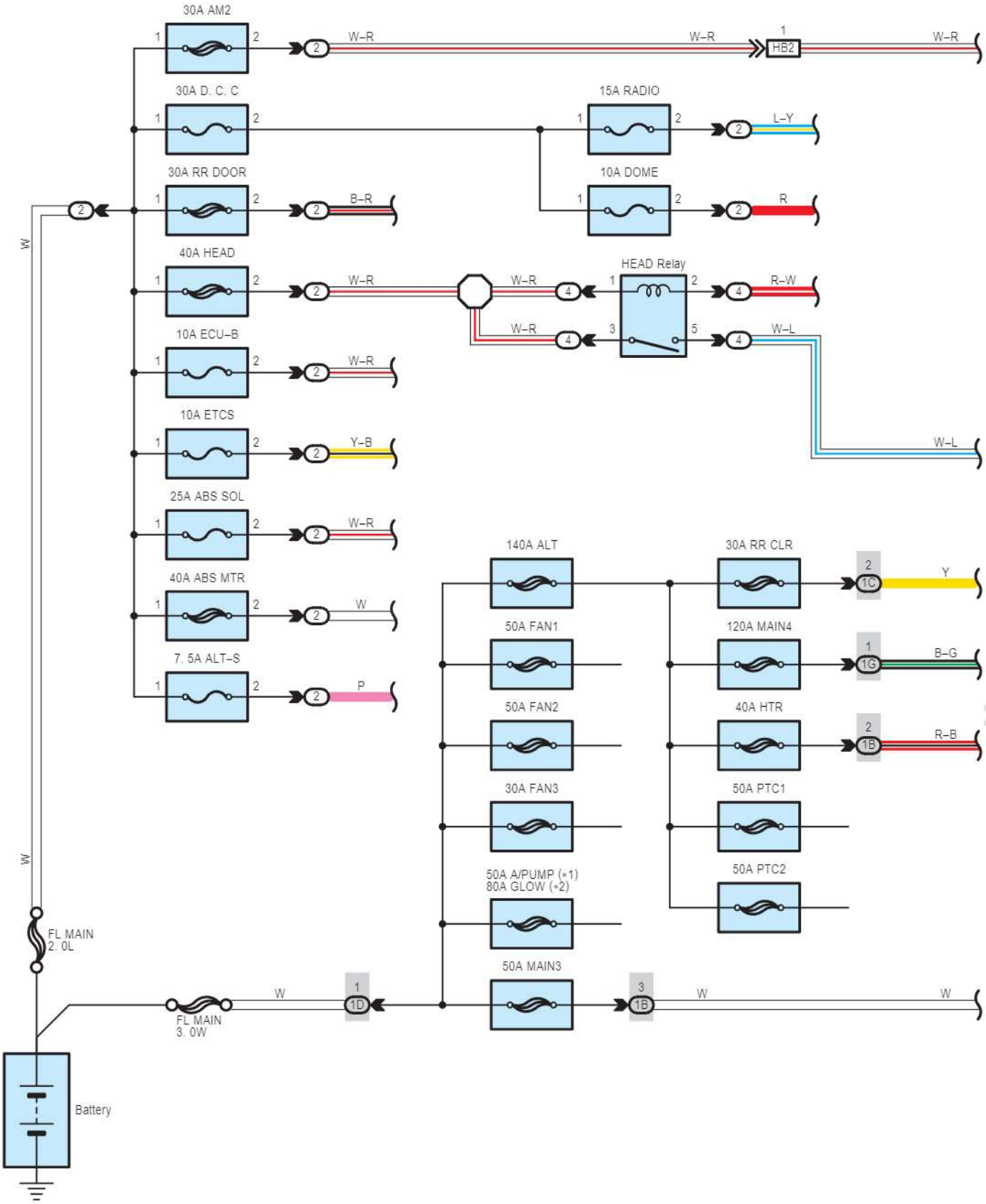
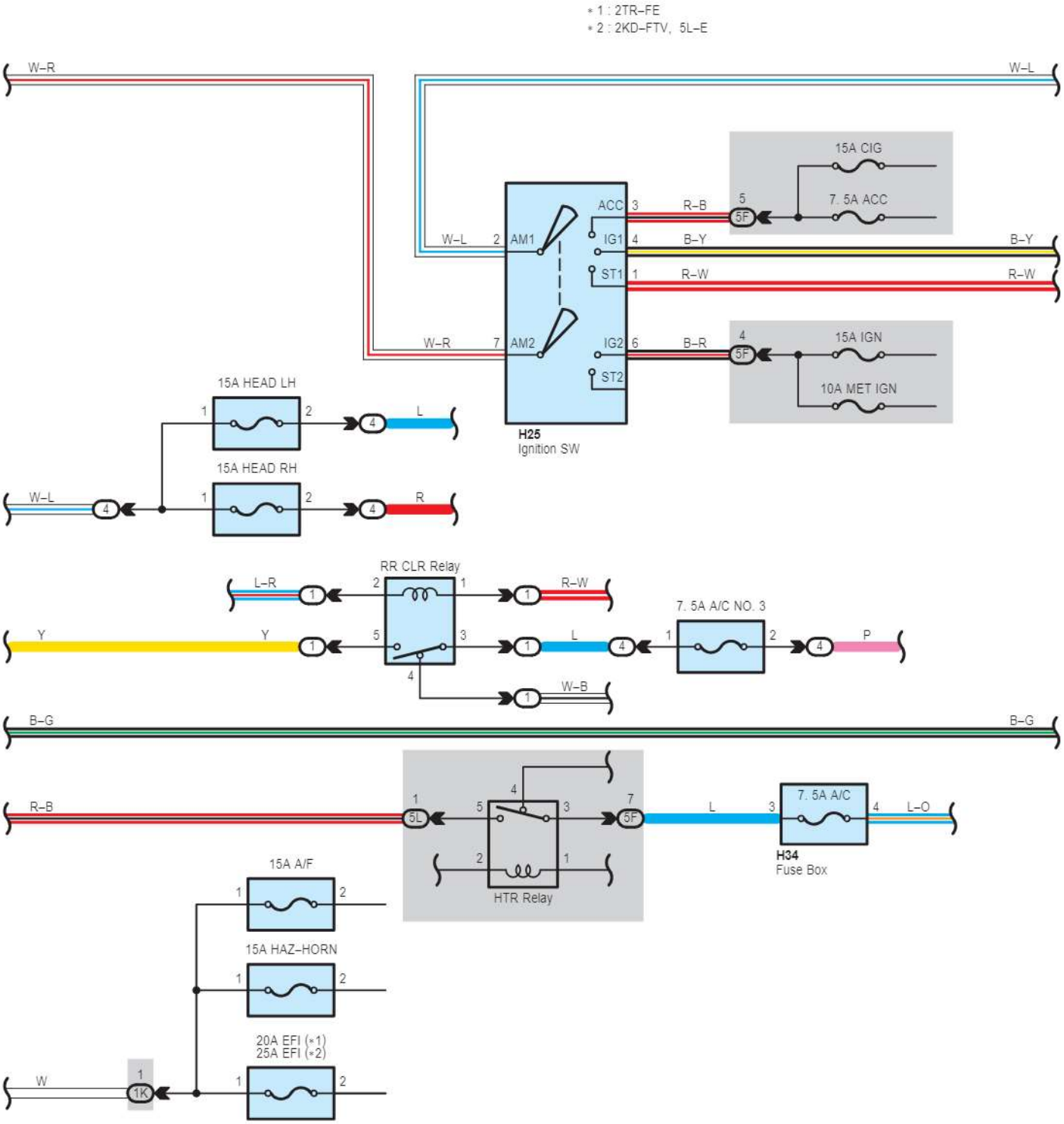
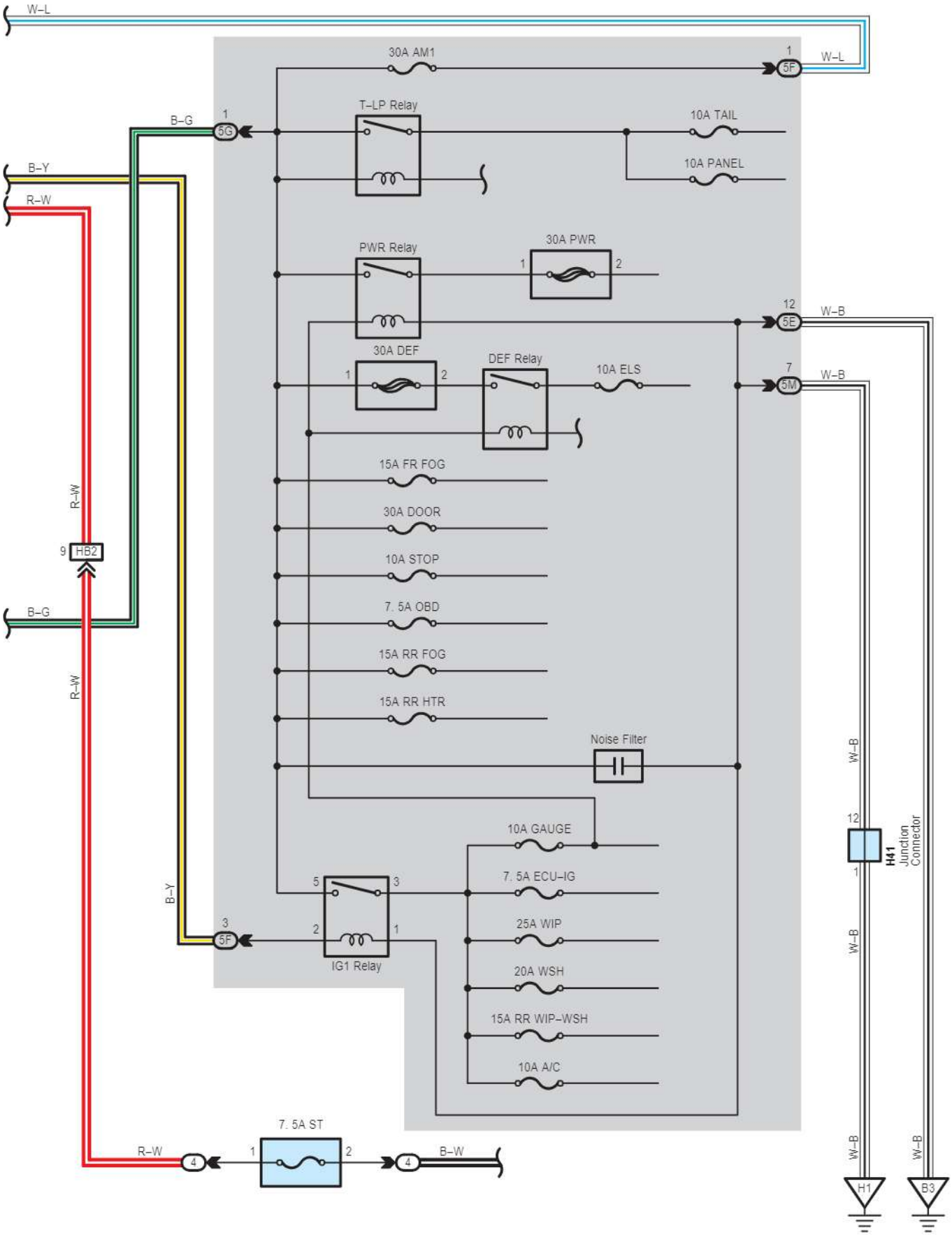


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: Parts Location

Code	See Page	Code	See Page	Code	See Page
H25	49 (LHD)	H34	49 (LHD)	H41	49 (LHD)
	57 (RHD)		57 (RHD)		57 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	22 (*7)	Engine Room R/B No.1 (Engine Compartment Front)
	23 (*8)	
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

: 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 No.1 (Engine Compartment Front)
1C		
1D		
1G		
1K	25	
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5F	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5L		
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

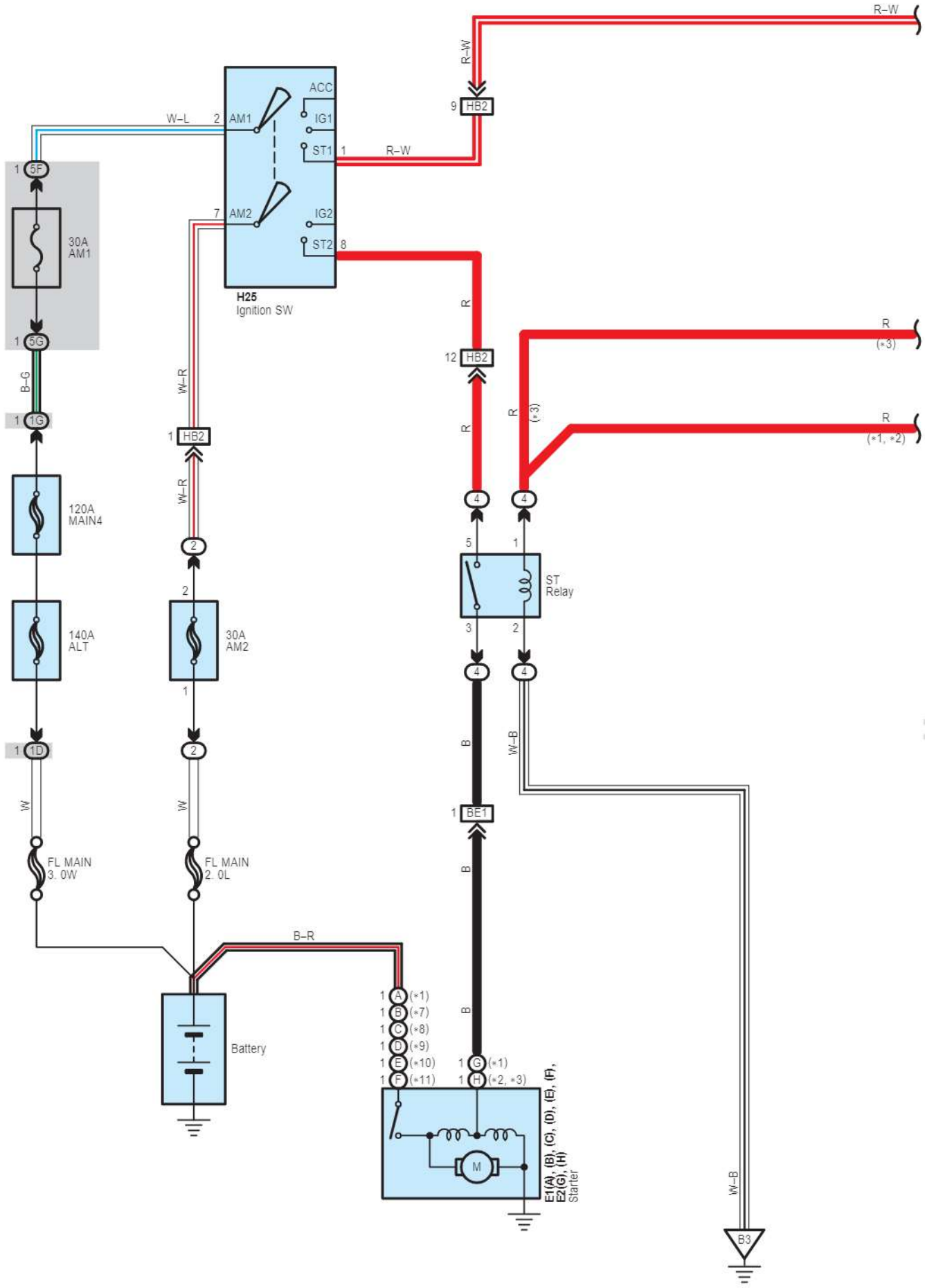
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HB2	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	

: Ground Points

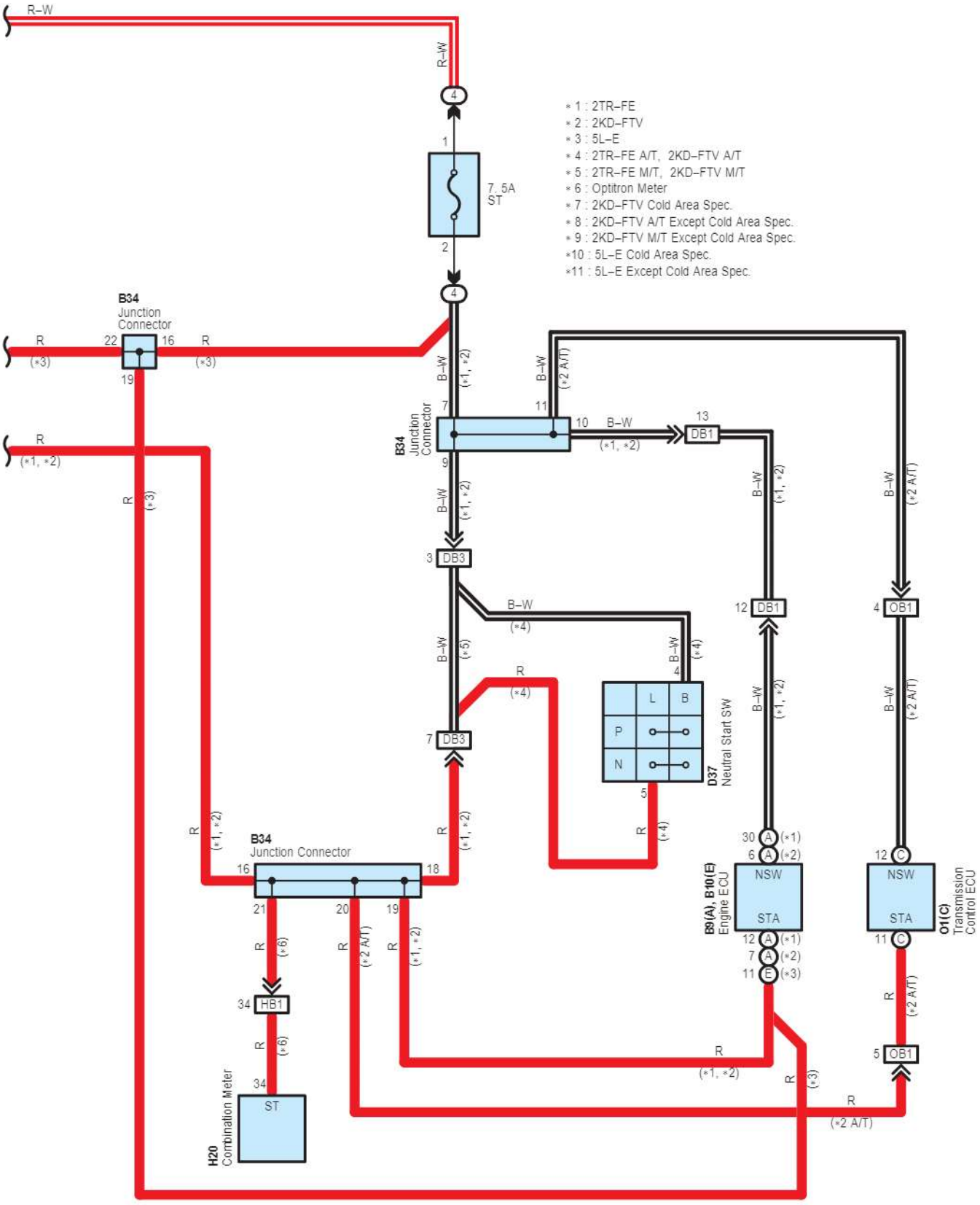
Code	See Page	Ground Points Location
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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○ : Parts Location

Code		See Page
B9	A	44 (*1)
		45 (*2)
		52 (*4)
		53 (*5)
B10	E	46 (*3)
		54 (*6)
B34		48 (LHD)
		56 (RHD)
D37		44 (*1)
		45 (*2)
		52 (*4)
		53 (*5)

Code		See Page
E1	A	44 (*1)
		52 (*4)
	B	45 (*2)
		53 (*5)
	C	45 (*2)
		53 (*5)
	D	45 (*2)
		53 (*5)
	E	46 (*3)
		54 (*6)
	F	46 (*3)
		54 (*6)

Code		See Page
E2	G	44 (*1)
		52 (*4)
	H	45 (*2)
		46 (*3)
		53 (*5)
		54 (*6)
H20		49 (LHD)
		57 (RHD)
H25		49 (LHD)
		57 (RHD)
O1	C	48 (LHD)
		56 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

⬭ : 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 No.1 (Engine Compartment Front)
1G		
5F	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BE1	60 (*1)	Engine Room Main Wire and Engine No.2 Wire (LH Side Battery Room)
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
DB1	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	61 (*2)	
	68 (*4)	
	69 (*5)	
DB3	60 (*1)	
	61 (*2)	
	68 (*4)	
	69 (*5)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
OB1	65 (LHD)	Floor Wire and Engine Room Main Wire (RH Side of Instrument Panel R/B)
	73 (RHD)	Floor Wire and Engine Room Main Wire (Near the Stop Lamp SW)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

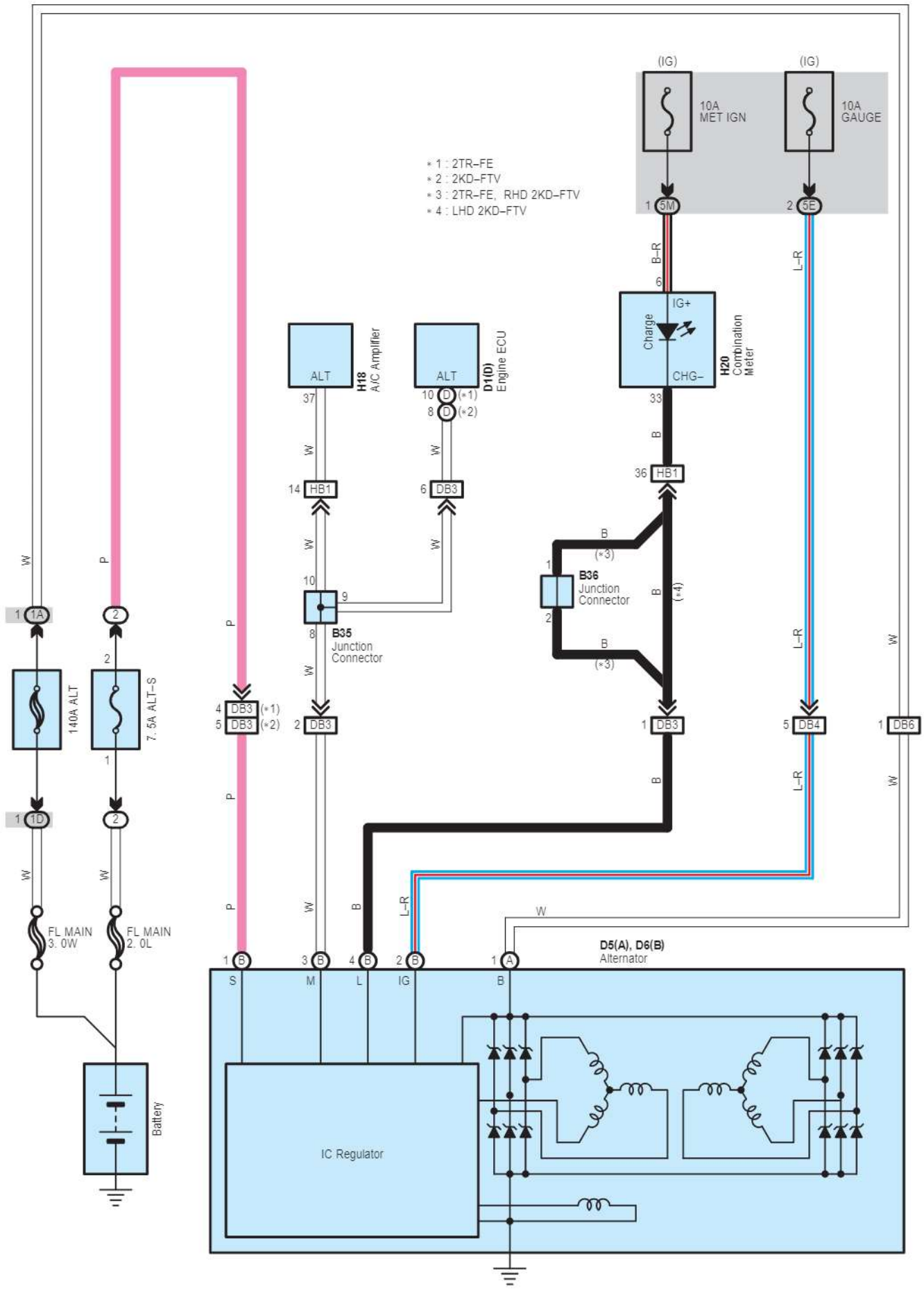
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▽ : **Ground Points**

Code	See Page	Ground Points Location
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Parts Location

Code		See Page	Code		See Page	Code		See Page
B35		44 (*1)	D1	D	45 (*2)	D6	B	45 (*2)
		45 (*2)			52 (*4)			52 (*4)
		52 (*4)			53 (*5)			53 (*5)
		53 (*5)	D5	A	44 (*1)	H18		49 (LHD)
B36		44 (*1)			45 (*2)			57 (RHD)
		52 (*4)			52 (*4)	H20		49 (LHD)
		53 (*5)			53 (*5)			57 (RHD)
D1	D	44 (*1)	D6	B	44 (*1)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Junction Block and Wire Harness Connector

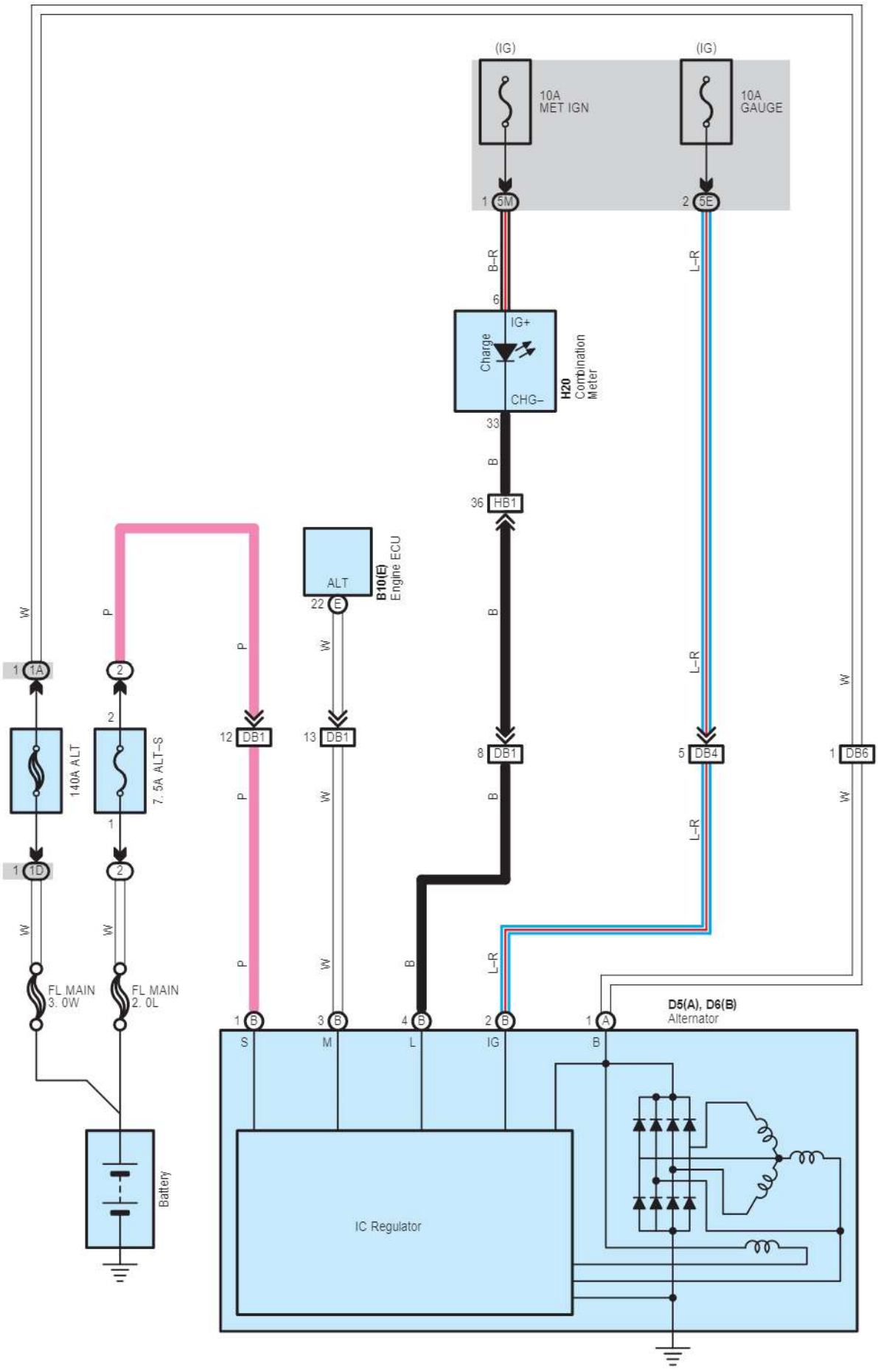
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
1D		
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
DB3	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	61 (*2)	
	68 (*4)	
	69 (*5)	
DB4	60 (*1)	
	61 (*2)	
	68 (*4)	
	69 (*5)	
DB6	60 (*1)	
	61 (*2)	
	68 (*4)	
	69 (*5)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Parts Location

Code		See Page	Code		See Page	Code	See Page
B10	E	46 (*3)	D5	A	54 (*6)	H20	49 (LHD)
		54 (*6)	D6	B	46 (*3)		57 (RHD)
D5	A	46 (*3)			54 (*6)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Junction Block and Wire Harness Connector

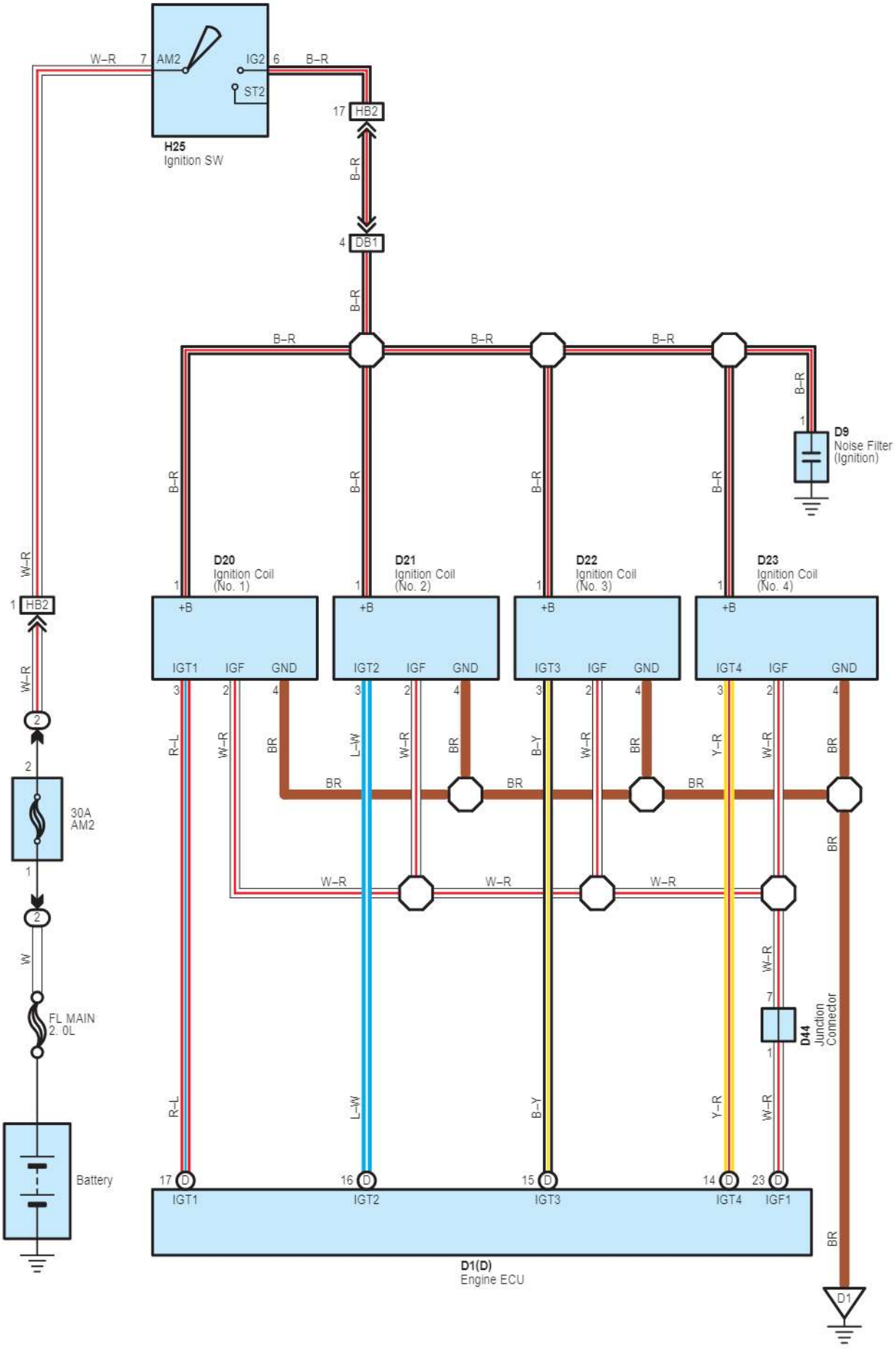
Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
1D		
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
DB1	62 (*3)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	70 (*6)	
DB4	62 (*3)	
	70 (*6)	
DB6	62 (*3)	
	70 (*6)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Parts Location

Code		See Page	Code	See Page	Code	See Page
D1	D	44 (*1)	D21	44 (*1)	D44	44 (*1)
		52 (*4)		52 (*4)		52 (*4)
D9		44 (*1)	D22	44 (*1)	H25	49 (LHD)
		52 (*4)		52 (*4)		57 (RHD)
D20		44 (*1)	D23	44 (*1)		
		52 (*4)		52 (*4)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Connector Joining Wire Harness and Wire Harness

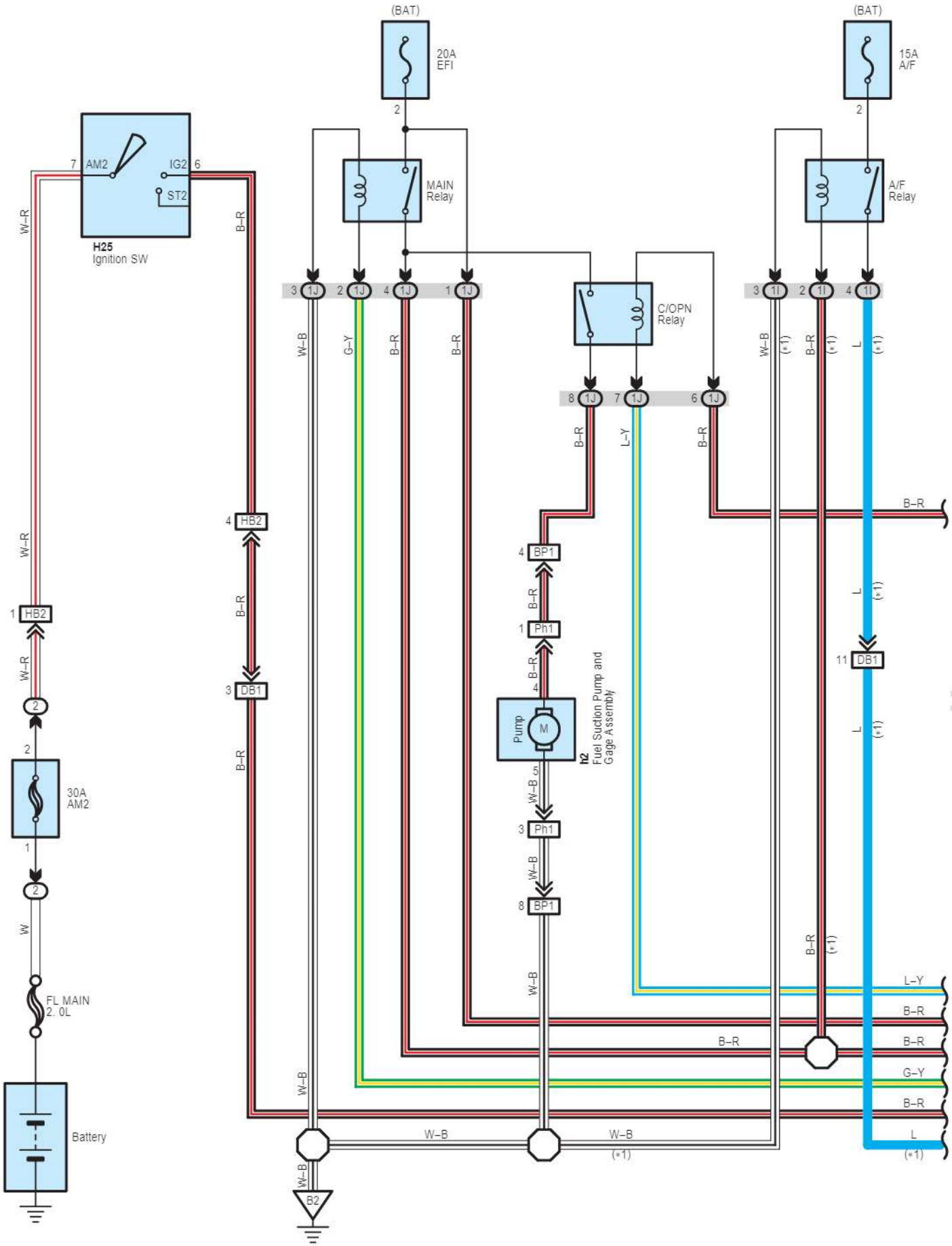
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
DB1	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	68 (*4)	
HB2	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	

: Ground Points

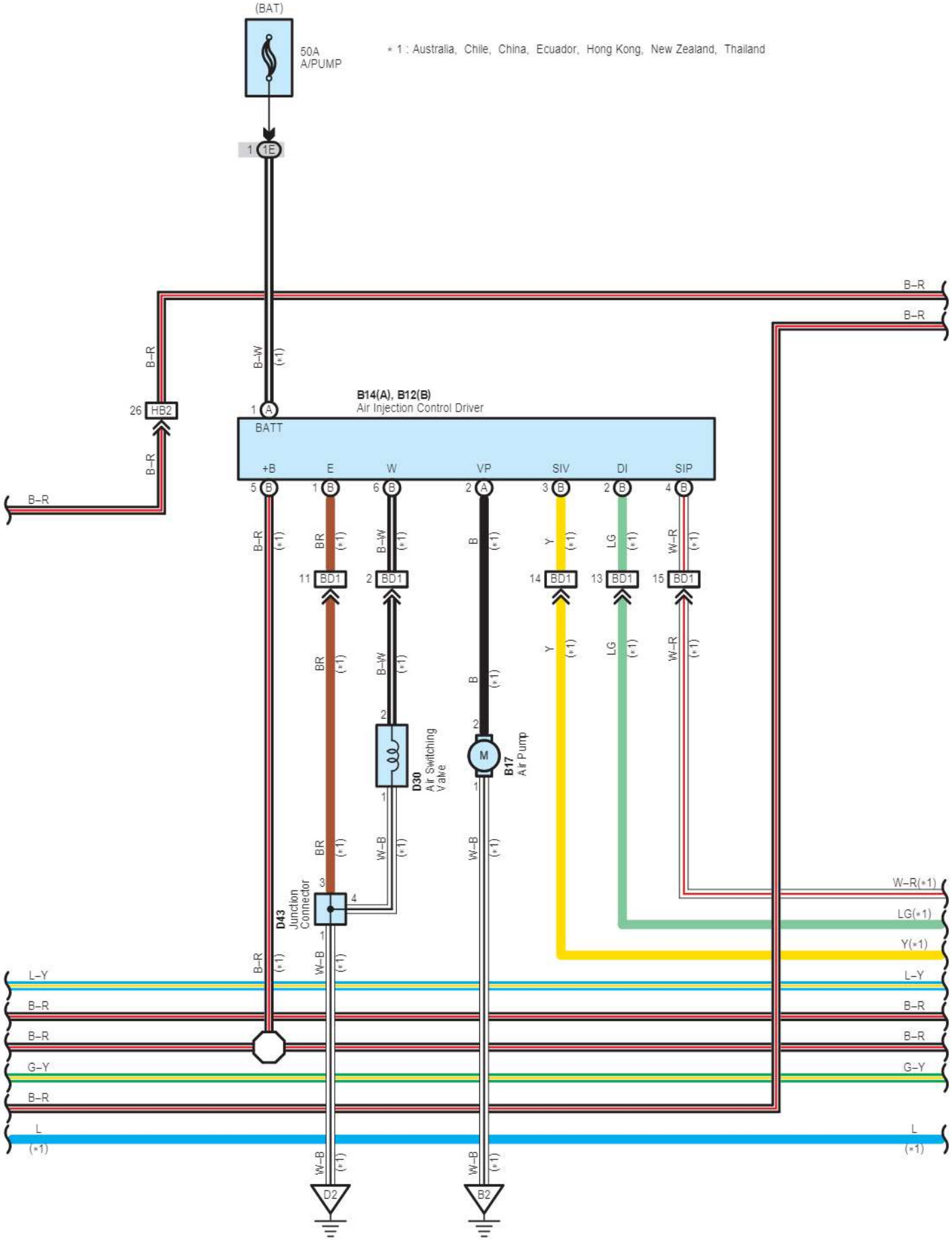
Code	See Page	Ground Points Location
D1	60 (*1)	Engine Block
	68 (*4)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

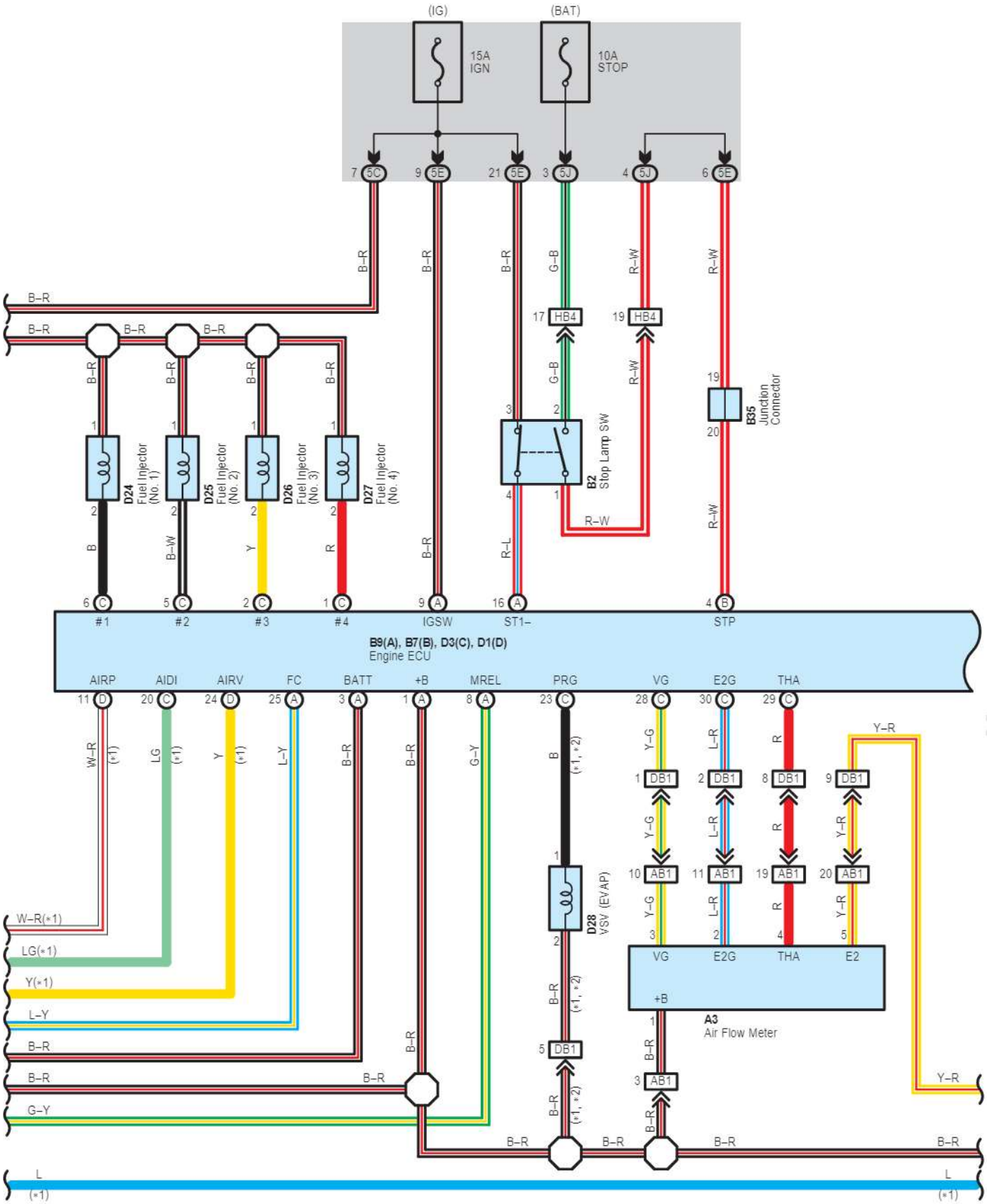
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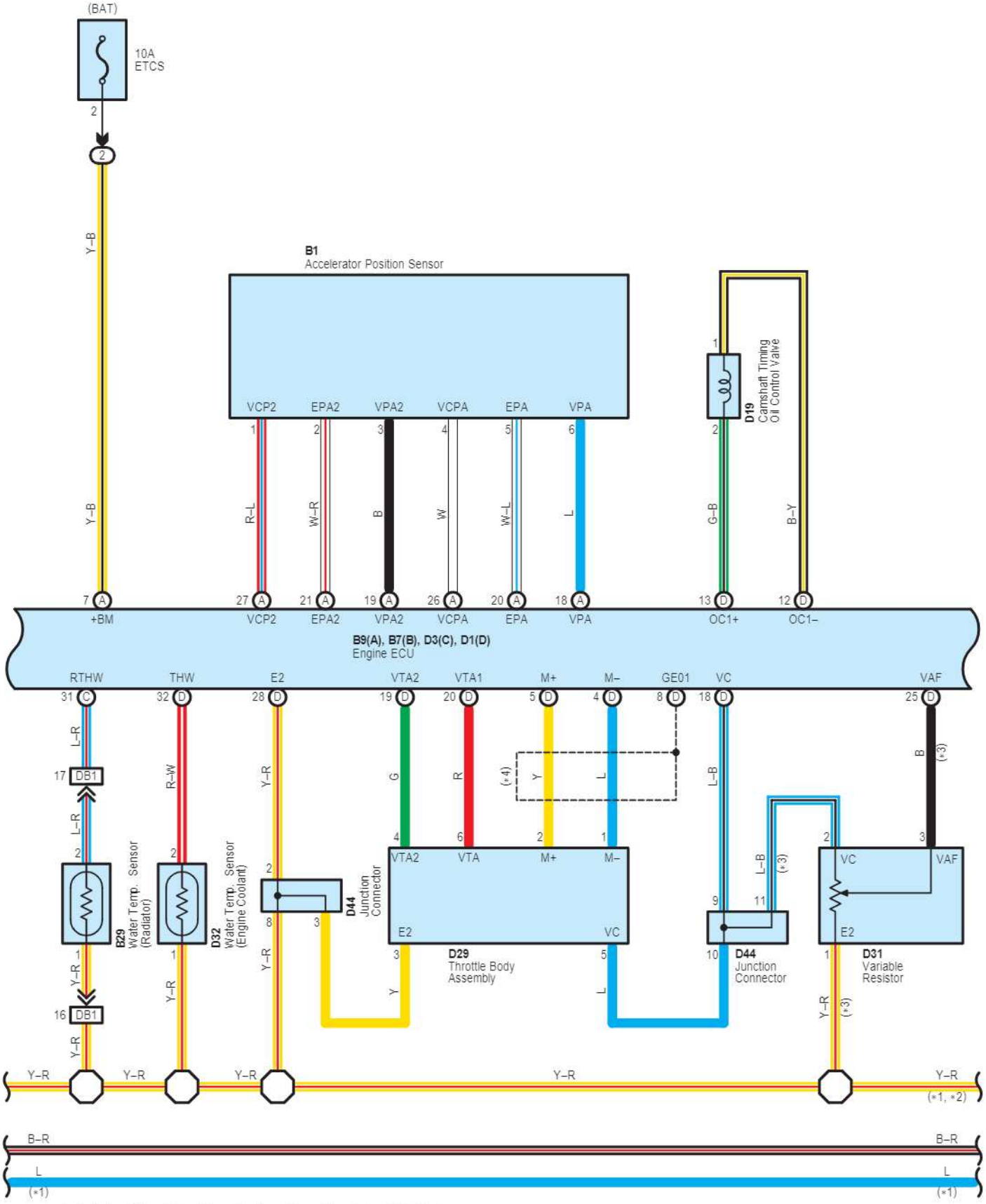
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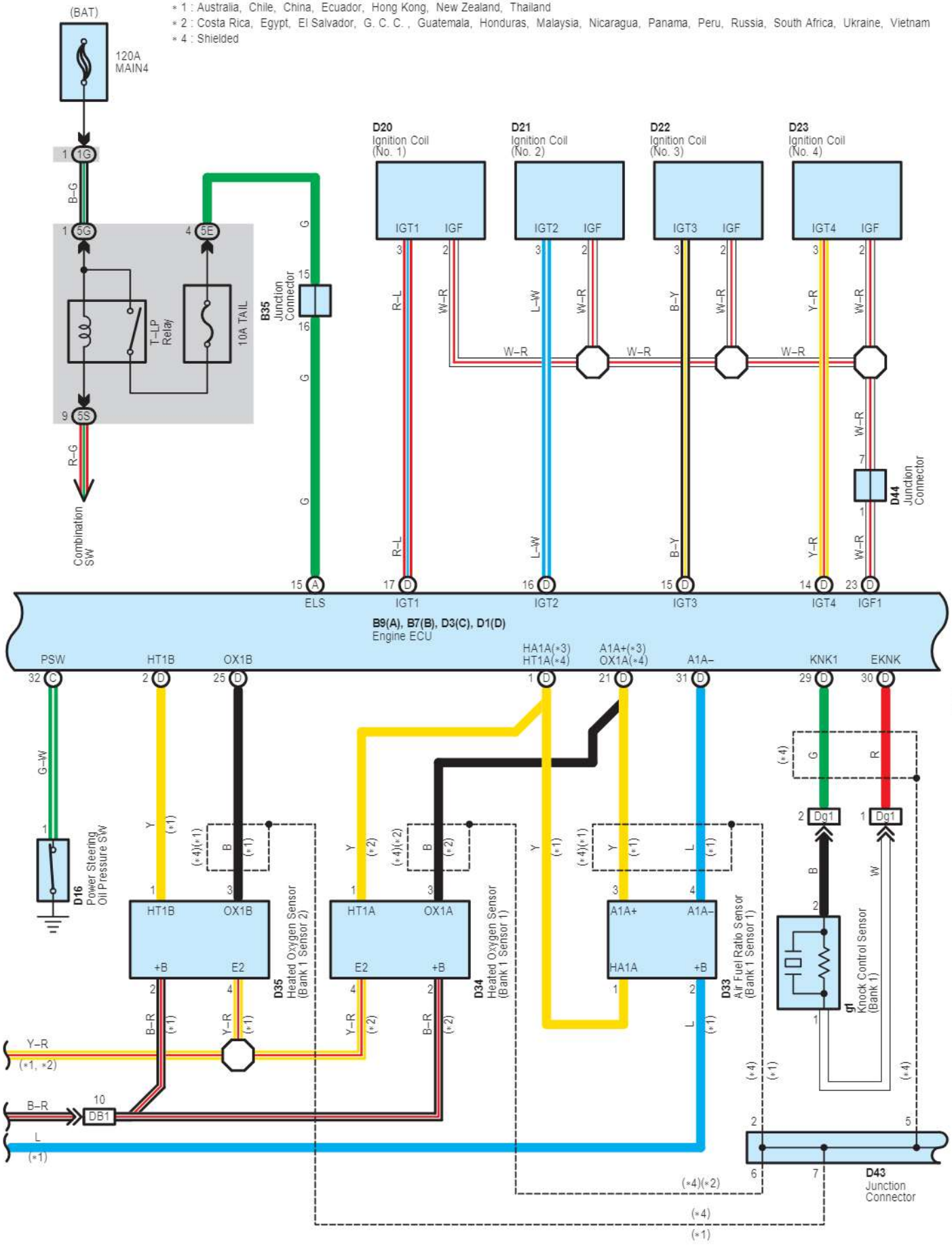


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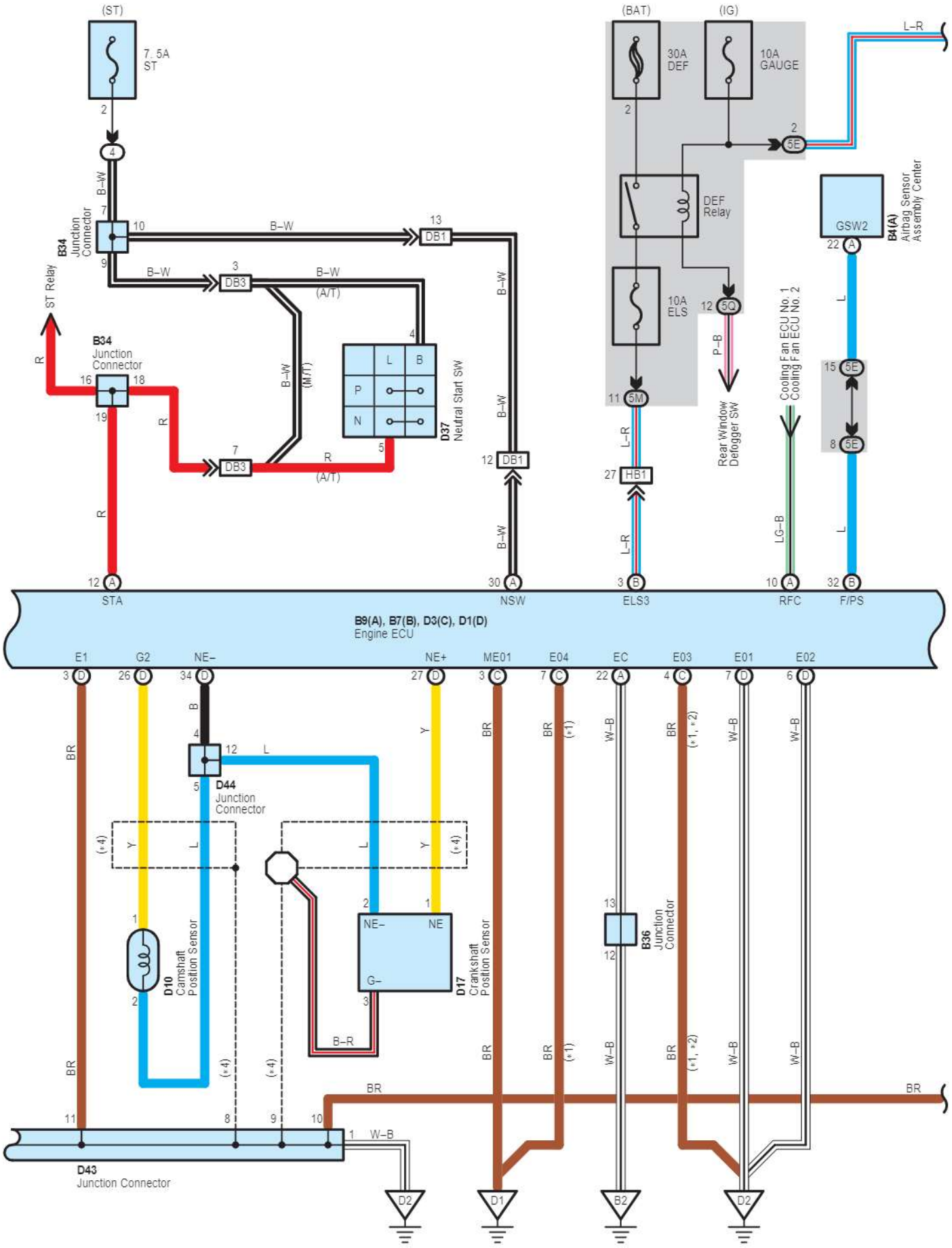


* 1 : Australia, Chile, China, Ecuador, Hong Kong, New Zealand, Thailand
* 2 : Costa Rica, Egypt, El Salvador, G. C. C. , Guatemala, Honduras, Malaysia, Nicaragua, Panama, Peru, Russia, South Africa, Ukraine, Vietnam
* 3 : Except *1, Except *2
* 4 : Shielded

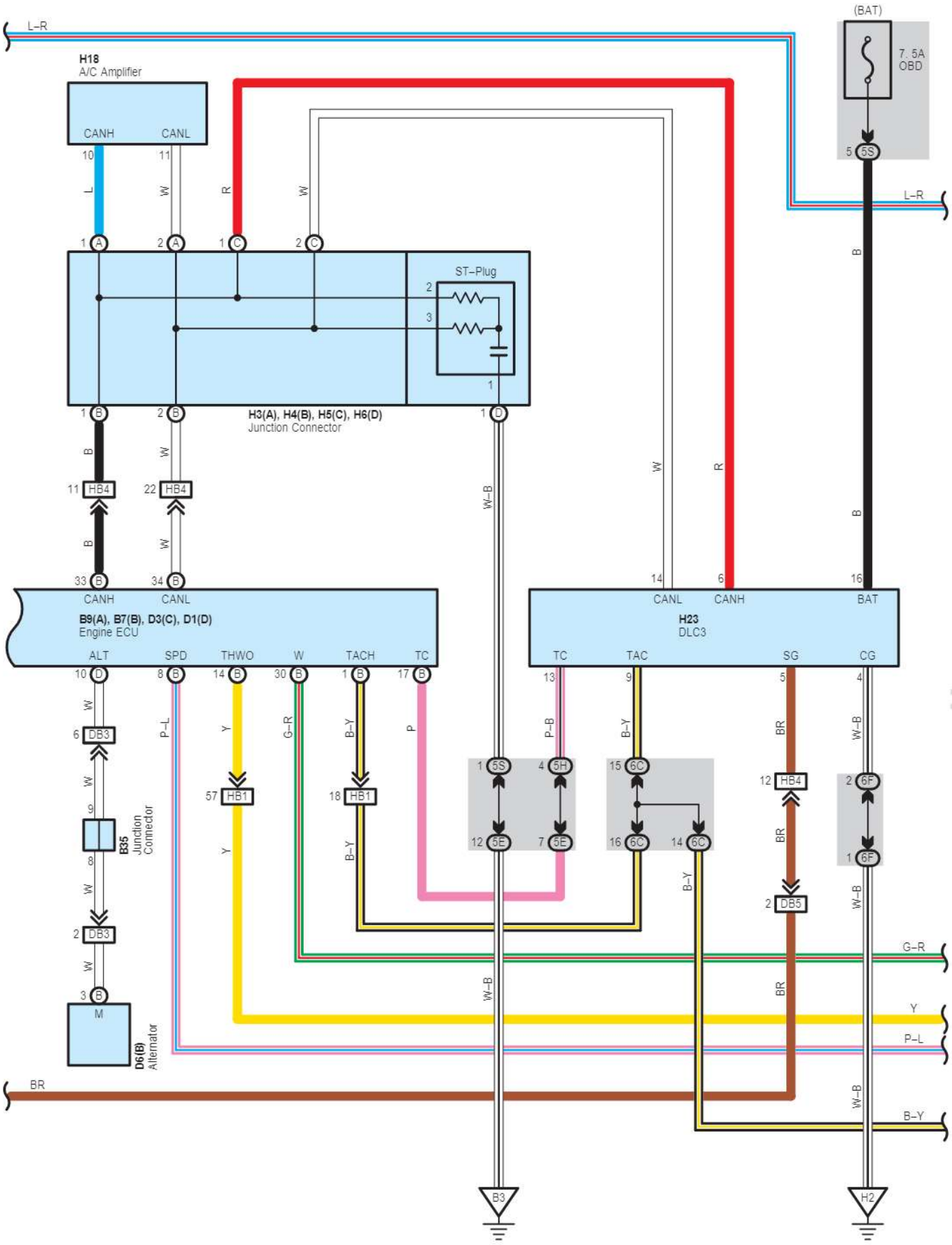
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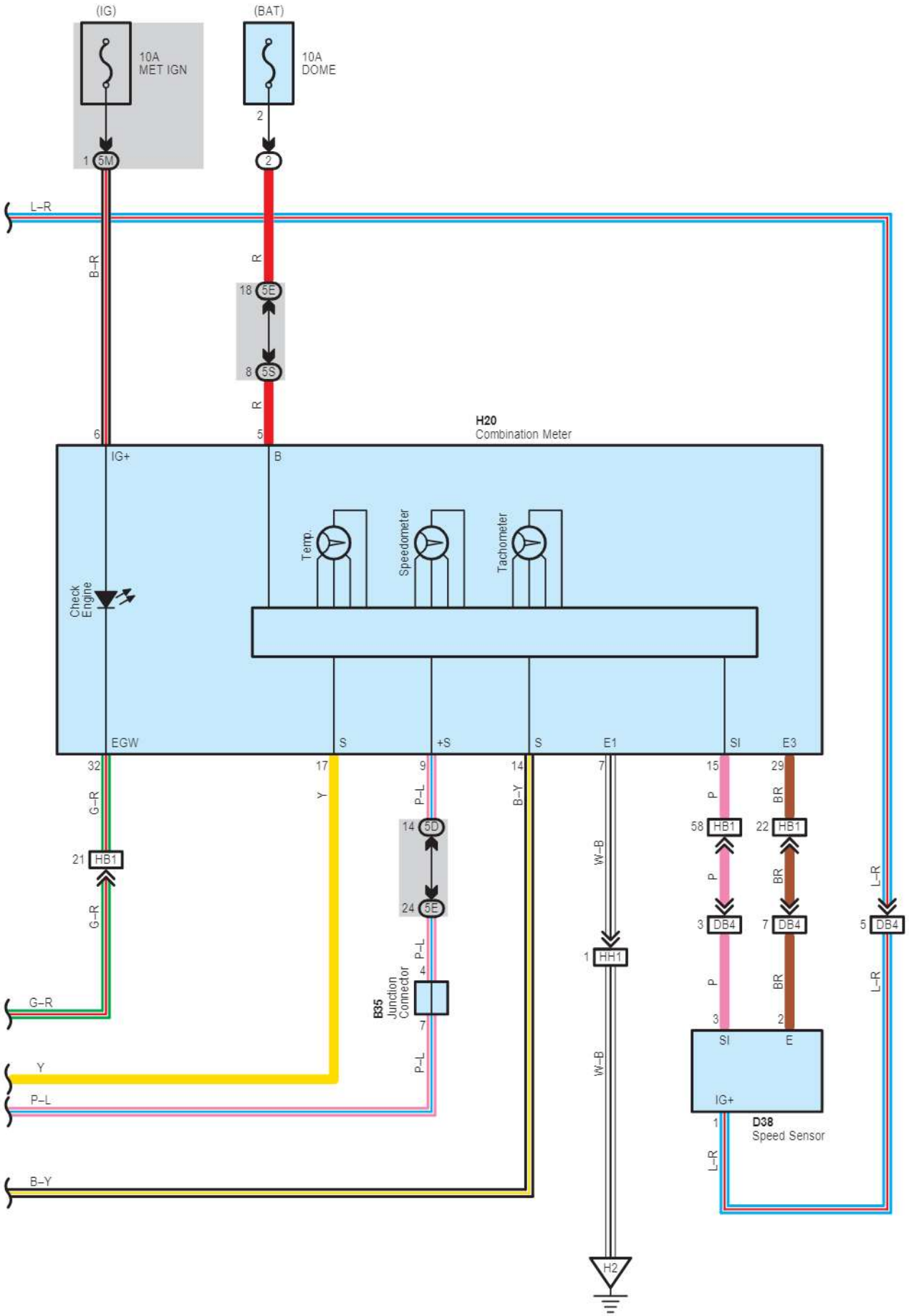
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System Outline

This system utilizes an engine ECU and maintains overall control of the engine, transmission and so on. An outline of the engine control is explained here.

1. Input Signals

(1) Water temp. signal circuit

The water temp. sensor (Engine coolant) detects the engine coolant temp. and has a built–in thermistor with a resistance which varies according to the engine coolant temp. thus the engine coolant temp. is input in the form of a control signal into TERMINAL THW of the engine ECU.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp., which is input as a control signal into TERMINAL THA of the engine ECU.

(3) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2 of the engine ECU, and engine RPM is input into TERMINAL NE+.

(4) Throttle signal circuit

The throttle body assembly detects the throttle valve opening angle, which is input as a control signal into TERMINALS VTA1 and VTA2 of the engine ECU.

(5) Vehicle speed signal circuit

The speed sensor detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine ECU via the combination meter.

(6) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine ECU. When the ignition SW is turned on, the voltage for engine ECU operation is applied via the MAIN relay to TERMINAL +B of the engine ECU.

(7) Starter signal circuit

To confirm whether the engine is cranking, the voltage applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the engine ECU as a control signal.

(8) Engine knock signal circuit

Engine knocking is detected by knock control sensor (Bank 1) and the signal is input into TERMINAL KNK1 of the engine ECU as a control signal.

2. Control System

* EFI system

The EFI system monitors the engine condition through the signals, which are input from each sensor to the engine ECU. The best fuel injection volume is decided based on this data and the program memorized by the engine ECU, and the control signal is output to TERMINALS #1, #2, #3 and #4 of the engine ECU to operate the fuel injector (Inject the fuel). The EFI system produces control of fuel injection operation by the engine ECU in response to the driving conditions.

* ESA system

The ESA system monitors the engine condition through the signals, which are input to the engine ECU from each sensor. The best ignition timing is detected according to this data and the memorized data in the engine ECU, and the control signal is output to TERMINALS IGT1, IGT2, IGT3 and IGT4. This signal controls the ignition coil to provide the best ignition timing for the driving conditions.

* Fuel pump control system

The engine ECU operation outputs to TERMINAL FC and controls the C/OPN relay. Thus controls the fuel pump drive speed in response to conditions.

* Air injection system

Air injection system sends air forcibly into the exhaust pipe with the air pump at the cold start. It activates the catalyst at early stage to promote to clean up exhaust emission. Air injection control driver runs the air pump and air switching valve with signal from the engine ECU.

3. Diagnosis System

With the diagnosis system, when there is a malfunctioning in the engine ECU signal system, the malfunction system is recorded in the memory. The malfunctioning system can be found by reading the display (Code) of the check engine warning light.

4. Fail–Safe System

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine ECU memory or else stops the engine.

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○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A3	48 (LHD)	D16	44 (*1)	D34	44 (*1)
	56 (RHD)		52 (*4)		52 (*4)
B1	48 (LHD)	D17	44 (*1)	D35	44 (*1)
	56 (RHD)		52 (*4)		52 (*4)
B2	48 (LHD)	D19	44 (*1)	D37	44 (*1)
	56 (RHD)		52 (*4)		52 (*4)
B4 A	48 (LHD)	D20	44 (*1)	D38	44 (*1)
	56 (RHD)		52 (*4)		52 (*4)
B7 B	44 (*1)	D21	44 (*1)	D43	44 (*1)
	52 (*4)		52 (*4)		52 (*4)
B9 A	44 (*1)	D22	44 (*1)	D44	44 (*1)
	52 (*4)		52 (*4)		52 (*4)
B12 B	44 (*1)	D23	44 (*1)	H3 A	42, 49 (LHD)
	52 (*4)		52 (*4)		42, 57 (RHD)
B14 A	44 (*1)	D24	44 (*1)	H4 B	42, 49 (LHD)
	52 (*4)		52 (*4)		42, 57 (RHD)
B17	44 (*1)	D25	44 (*1)	H5 C	42, 49 (LHD)
	52 (*4)		52 (*4)		42, 57 (RHD)
B29	44 (*1)	D26	44 (*1)	H6 D	42, 49 (LHD)
	52 (*4)		52 (*4)		42, 57 (RHD)
B34	48 (LHD)	D27	44 (*1)	H18	49 (LHD)
	56 (RHD)		52 (*4)		57 (RHD)
B35	44 (*1)	D28	44 (*1)	H20	49 (LHD)
	52 (*4)		52 (*4)		57 (RHD)
B36	44 (*1)	D29	44 (*1)	H23	49 (LHD)
	52 (*4)		52 (*4)		57 (RHD)
D1 D	44 (*1)	D30	44 (*1)	H25	49 (LHD)
	52 (*4)		52 (*4)		57 (RHD)
D3 C	44 (*1)	D31	44 (*1)	g1	44 (*1)
	52 (*4)		52 (*4)		52 (*4)
D6 B	44 (*1)	D32	44 (*1)	h2	51 (LHD)
	52 (*4)		52 (*4)		59 (RHD)
D10	44 (*1)	D33	44 (*1)		
	52 (*4)		52 (*4)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
1G		
1I	25	
1J		
5C	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5D		
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5J		
5M	31	
5Q		
5S		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
BD1	60 (*1)	Engine Room Main Wire and Engine Wire (Front Floor Panel Right)
	68 (*4)	
BP1	66 (LHD)	Engine Room Main Wire and Frame Wire (Under the Floor Panel)
	74 (RHD)	
DB1	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	68 (*4)	
DB3	60 (*1)	
	68 (*4)	
DB4	60 (*1)	
	68 (*4)	
DB5	60 (*1)	
	68 (*4)	
Dg1	60 (*1)	Engine Wire and Sensor Wire (Left Side of Cylinder Block)
	68 (*4)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
Ph1	66 (LHD)	Frame Wire and Fuel Tank Wire (Near the Fuel Tank)
	74 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

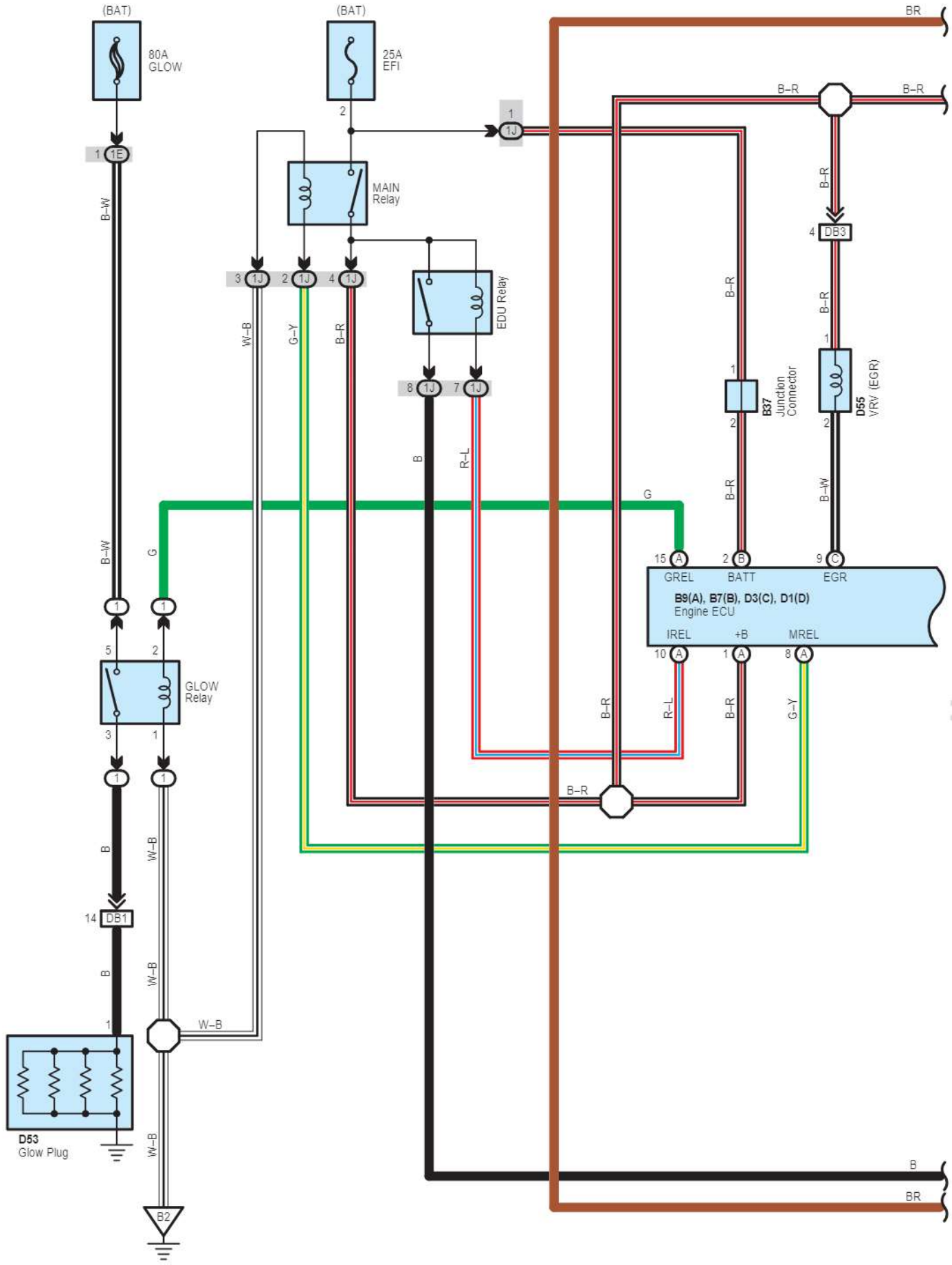
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▽ : **Ground Points**

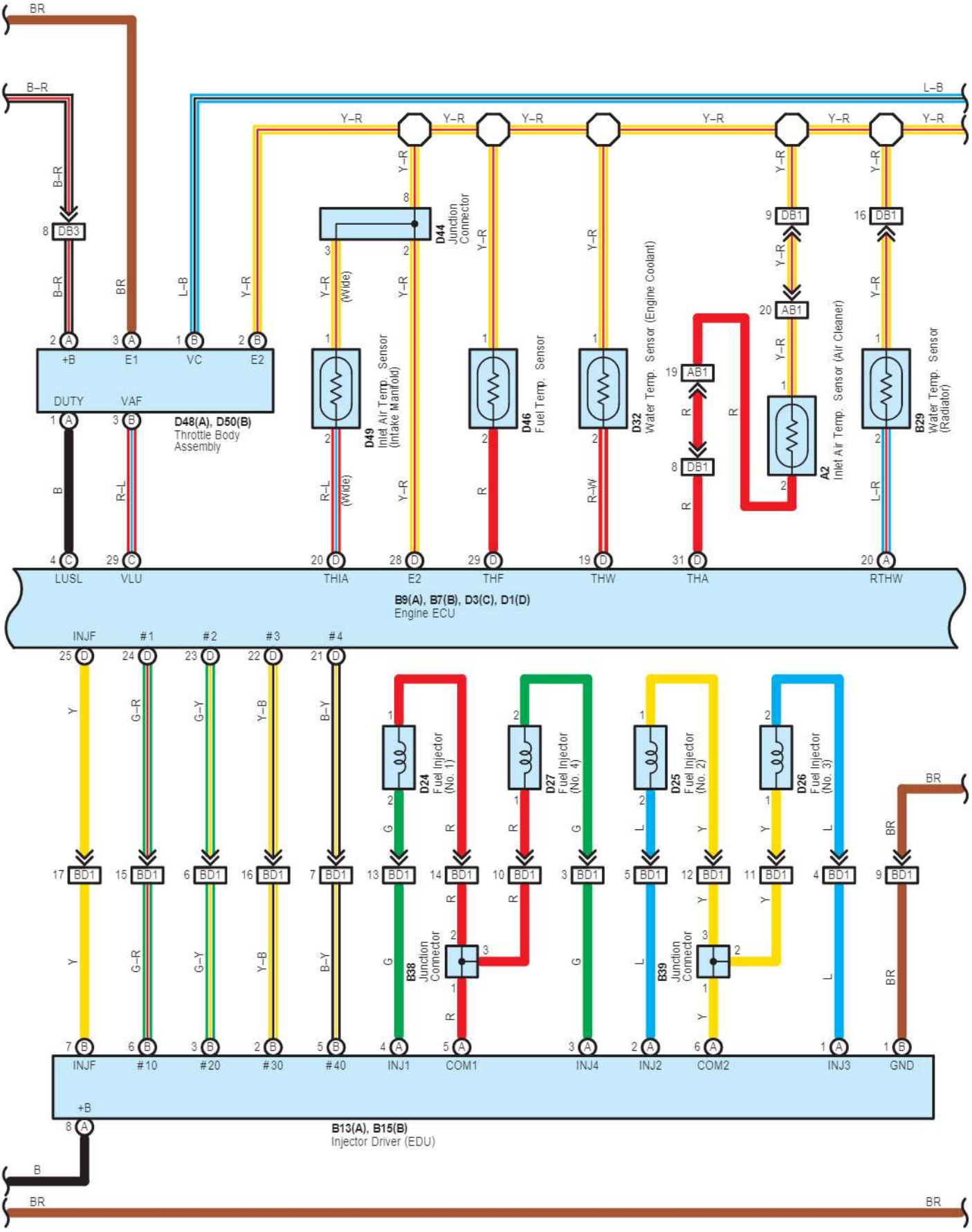
Code	See Page	Ground Points Location
B2	60 (*1)	Front Floor Panel Right
	68 (*4)	
B3	60 (*1)	Front Floor Panel Left
	68 (*4)	
D1	60 (*1)	Engine Block
	68 (*4)	
D2	60 (*1)	
	68 (*4)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

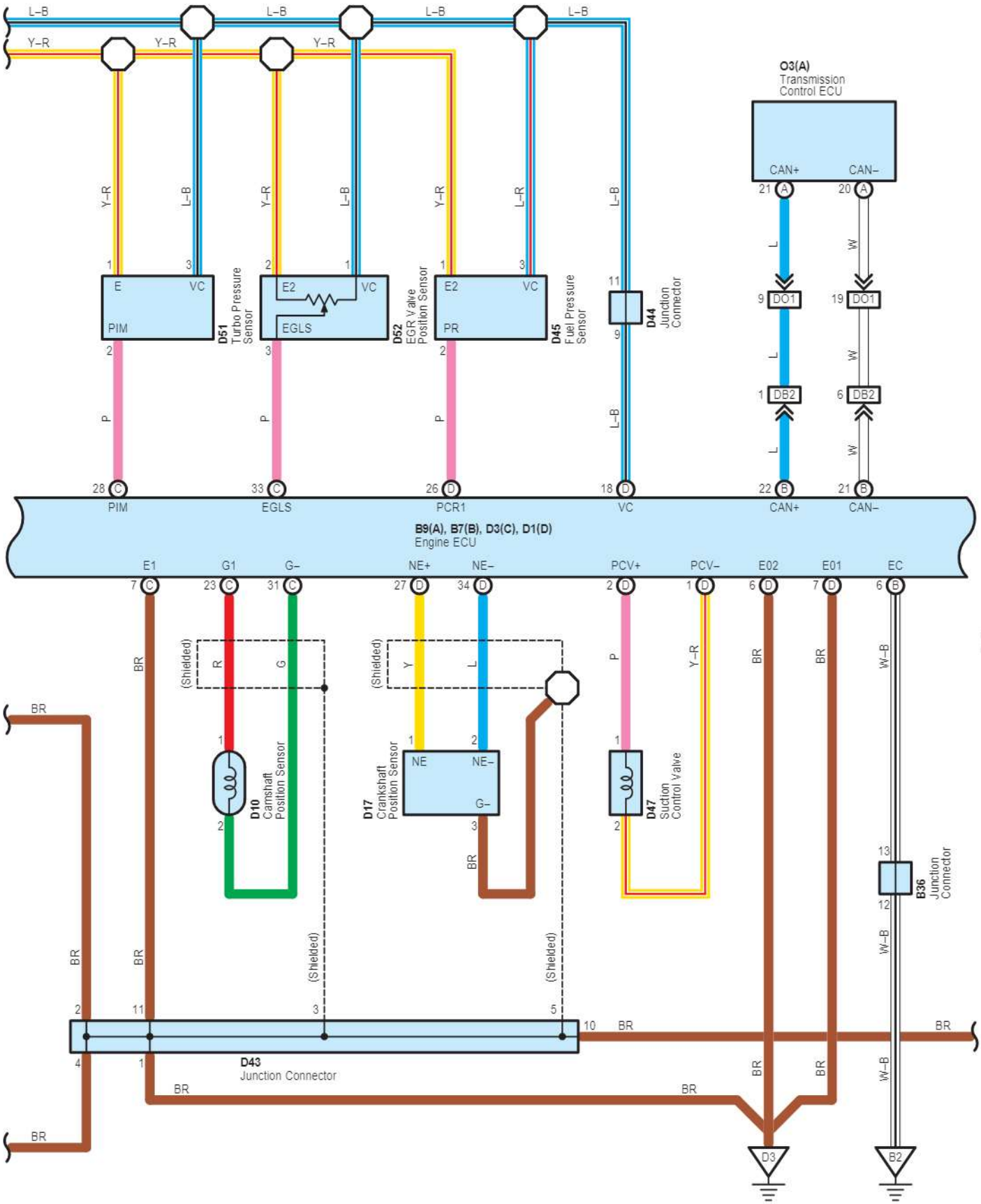
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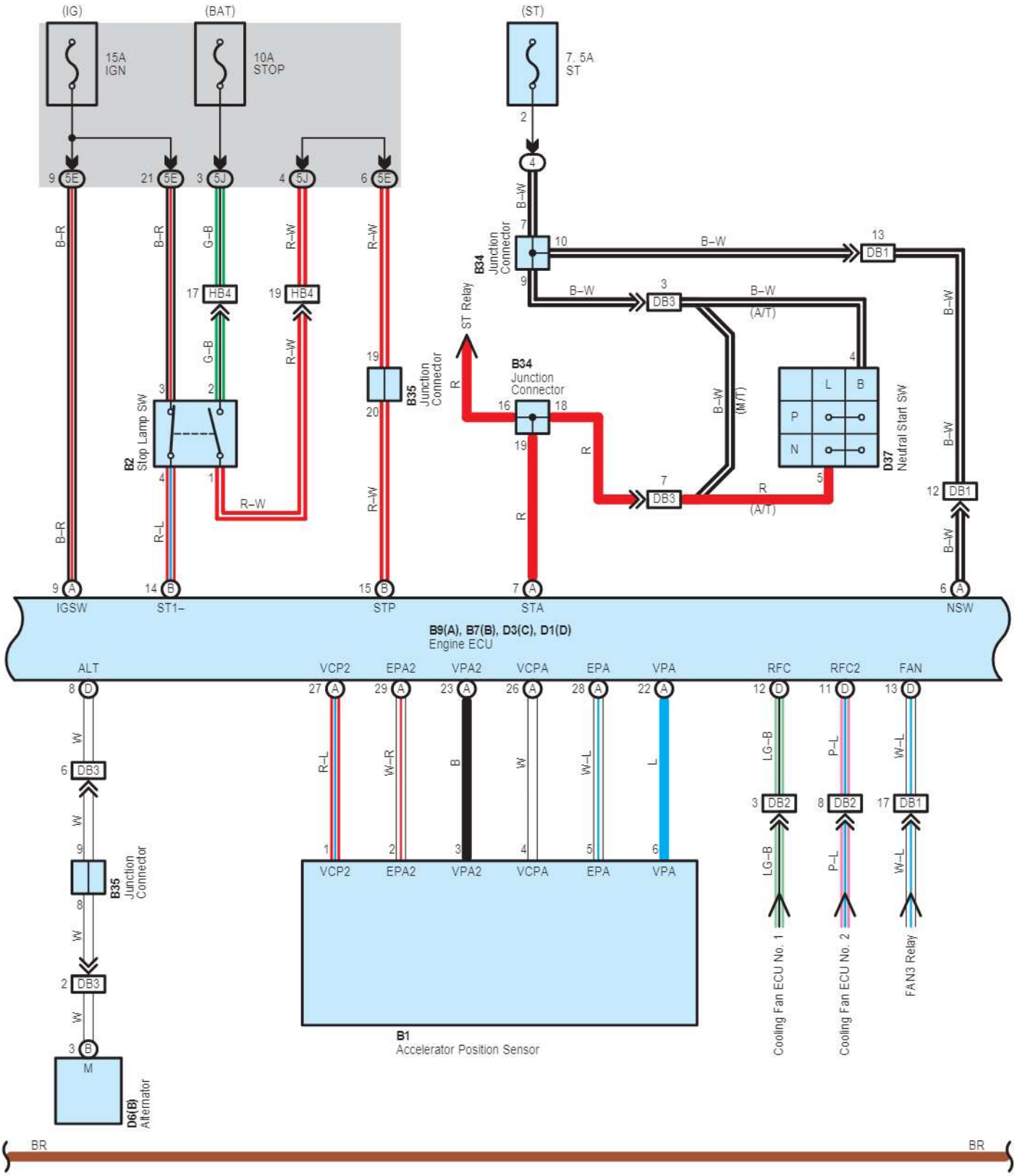
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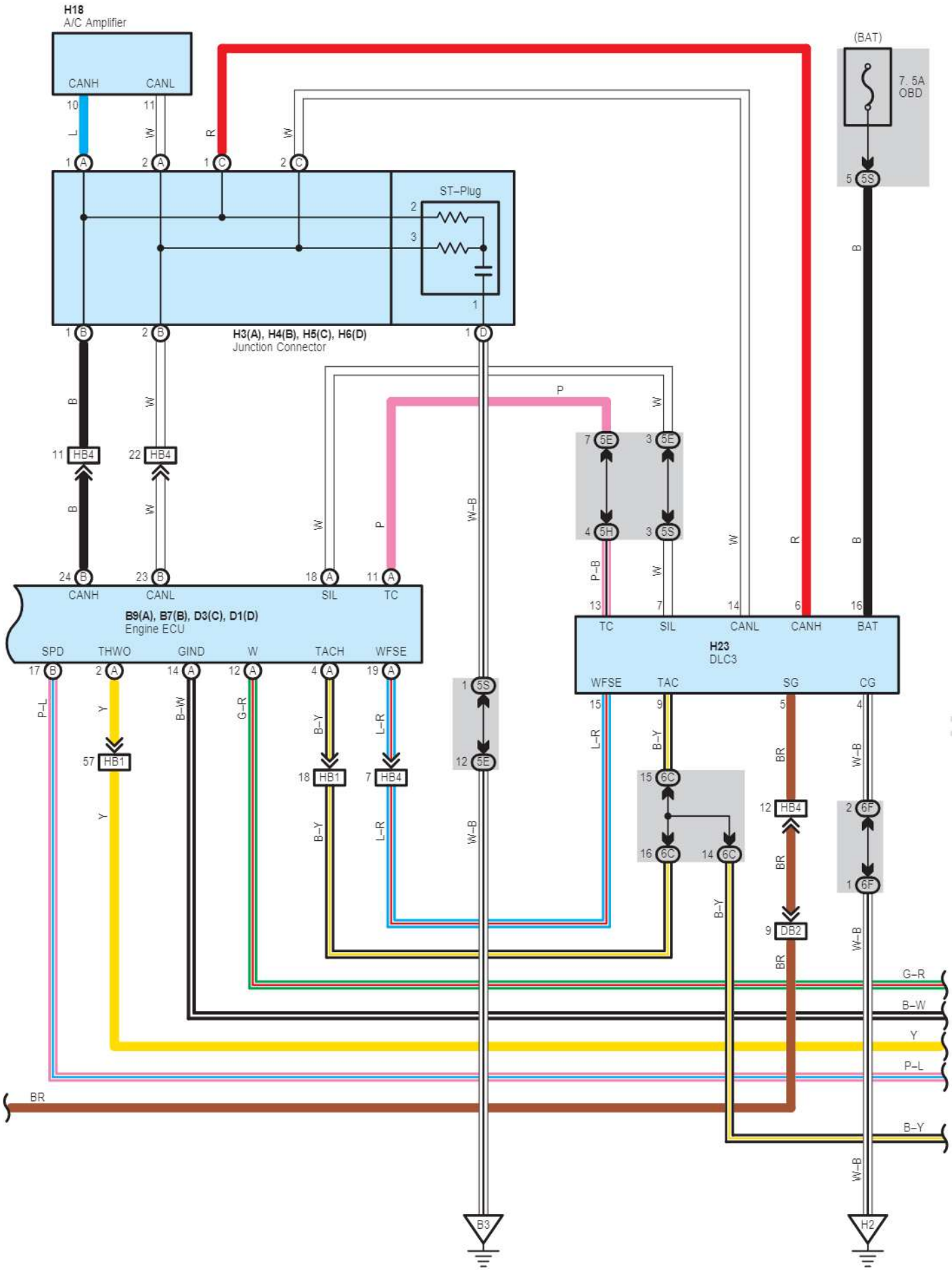
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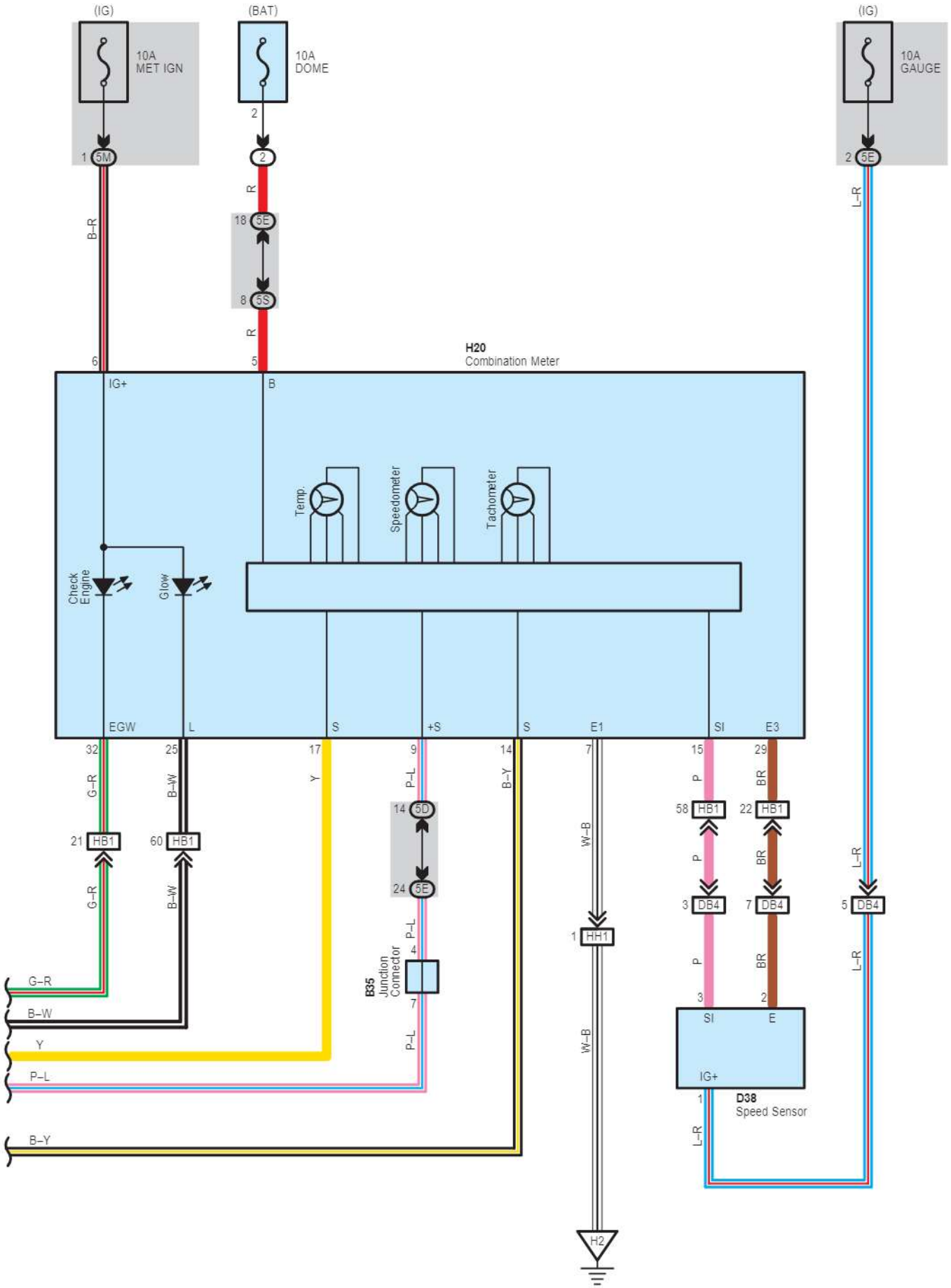
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System Outline

This system utilizes an engine ECU and maintains overall control of the engine, transmission and so on. An outline of the engine control is explained here.

1. Input Signals

(1) Water temp. signal circuit

The water temp. sensor (Engine coolant) detects the engine coolant temp. and has a built–in thermistor with a resistance varies according to the engine coolant temp. Thus the engine coolant temp. is input in the form of a control signal to TERMINAL THW of the engine ECU.

(2) Intake air temp. signal circuit

The intake air temp. sensor is detects the intake air temp., which is input as a control signal to TERMINAL THA of the engine ECU.

(3) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G1 of the engine ECU, and engine RPM is input into TERMINAL NE+.

(4) Throttle signal circuit

The accelerator position sensor detects the accelerator pedal opening angle, which is input as a control signal to TERMINALS VPA and VPA2 of the engine ECU.

(5) Vehicle speed signal circuit

The speed sensor detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine ECU via the combination meter.

(6) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine ECU. When the ignition SW is turned to on, voltage for engine ECU operation is applied via the MAIN relay to TERMINAL +B of the engine ECU.

(7) Started signal circuit

To confirm that the engine is cranking, the voltage applied to the starter motor during cranking is detected and is input as a control signal to TERMINAL STA of the engine ECU.

(8) Fuel temp. signal circuit

The fuel temp. sensor is detects the fuel temp., which is input as a control signal to TERMINAL THF of the engine ECU.

(9) Intake air vacuum pressure signal system

Intake air vacuum pressure is detected by the turbo pressure sensor and is input as a control signal to TERMINAL PIM of the engine ECU.

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2. Control System

* EGR control
  The EGR control system detects the signals from each sensor, then the current is output to the TERMINAL EGR to control the VRV (EGR).
* Common rail pressure control
  The target rail pressure is calculated according to the engine status (Accelerator opening, engine speed) and environmental change detected by sensors. The fuel amount to be pressure–fed from the supply pump is calculated so as to match the indicated value of rail pressure sensor with the target value and the signal is sent to the intake amount adjusting valve of the supply pump in order to control the rail pressure.
* Fuel injection timing control
  The fuel injection timing is controlled by calculating the basic fuel injection timing based on the engine status (Accelerator opening, engine speed), making corrections according to environmental change detected by sensors, then sending a signal to the solenoid control valve of the injector via the injector driver (EDU).
* Fuel injection volume control
  The fuel injection volume is controlled by calculating the basic fuel injection volume based on the engine status (Accelerator opening, engine speed), making corrections according to environmental change detected by sensors and the inside pressure conditions in the rail, then sending a signal to the solenoid control valve of the injector via the injector driver (EDU).
* Pilot injection control
  The fuel injection volume and timing are controlled by calculating the pilot injection volume/timing based on the engine status (Accelerator opening, engine speed), making corrections according to environmental change detected by sensors, then sending a signal to the solenoid control valve of the injector via the injector driver (EDU).

3. Diagnosis System

With the diagnosis system, when there is a malfunctioning in the engine ECU signal system, the malfunction system is recorded in the memory. The malfunctioning system can be found by reading the display (Code) of the check engine warning light.

4. Fail–Safe System

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine ECU memory or else stops the engine.

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○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A2	48 (LHD)	D3 C	53 (*5)	D48 A	45 (*2)
	56 (RHD)	D6 B	45 (*2)		53 (*5)
B1	48 (LHD)		53 (*5)	D49	45 (*2)
	56 (RHD)	D10	45 (*2)		53 (*5)
B2	48 (LHD)		53 (*5)	D50 B	45 (*2)
	56 (RHD)	D17	45 (*2)		53 (*5)
B7 B	45 (*2)		53 (*5)	D51	45 (*2)
	53 (*5)	D24	45 (*2)		53 (*5)
B9 A	45 (*2)		53 (*5)	D52	45 (*2)
	53 (*5)	D25	45 (*2)		53 (*5)
B13 A	45 (*2)		53 (*5)	D53	45 (*2)
	53 (*5)	D26	45 (*2)		53 (*5)
B15 B	45 (*2)		53 (*5)	D55	45 (*2)
	53 (*5)	D27	45 (*2)		53 (*5)
B29	45 (*2)		53 (*5)	H3 A	42, 49 (LHD)
	53 (*5)	D32	45 (*2)		42, 57 (RHD)
B34	48 (LHD)		53 (*5)	H4 B	42, 49 (LHD)
	56 (RHD)	D37	45 (*2)		42, 57 (RHD)
B35	45 (*2)		53 (*5)	H5 C	42, 49 (LHD)
	53 (*5)	D38	45 (*2)		42, 57 (RHD)
B36	45 (*2)		53 (*5)	H6 D	42, 49 (LHD)
	53 (*5)	D43	45 (*2)		42, 57 (RHD)
B37	45 (*2)		53 (*5)	H18	49 (LHD)
	53 (*5)	D44	45 (*2)		57 (RHD)
B38	45 (*2)		53 (*5)	H20	49 (LHD)
	53 (*5)	D45	45 (*2)		57 (RHD)
B39	45 (*2)		53 (*5)	H23	49 (LHD)
	53 (*5)	D46	45 (*2)		57 (RHD)
D1 D	45 (*2)		53 (*5)	O3 A	48 (LHD)
	53 (*5)	D47	45 (*2)		56 (RHD)
D3 C	45 (*2)		53 (*5)		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23 (*8)	Engine Room R/B No.1 (Engine Compartment Front)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
1J	25	
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5J		
5M	31	
5S		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

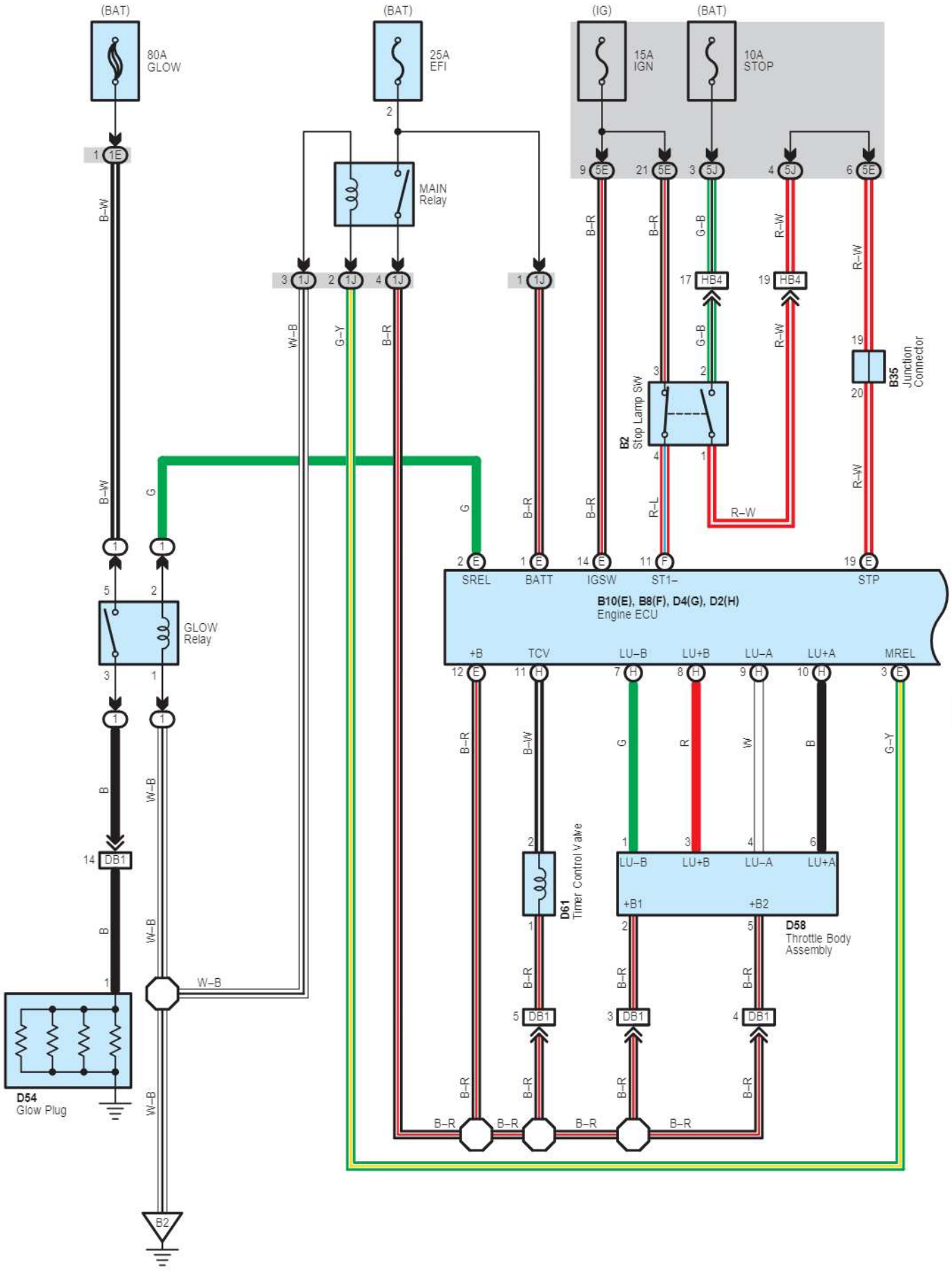
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
BD1	61 (*2)	Engine Room Main Wire and Engine Wire (Front Floor Panel Right)
	69 (*5)	
DB1	61 (*2)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	69 (*5)	
DB2	61 (*2)	
	69 (*5)	
DB3	61 (*2)	
	69 (*5)	
DB4	61 (*2)	
	69 (*5)	
DO1	61 (*2)	Engine Wire and Floor Wire (Front Floor Panel Right)
	69 (*5)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)

: Ground Points

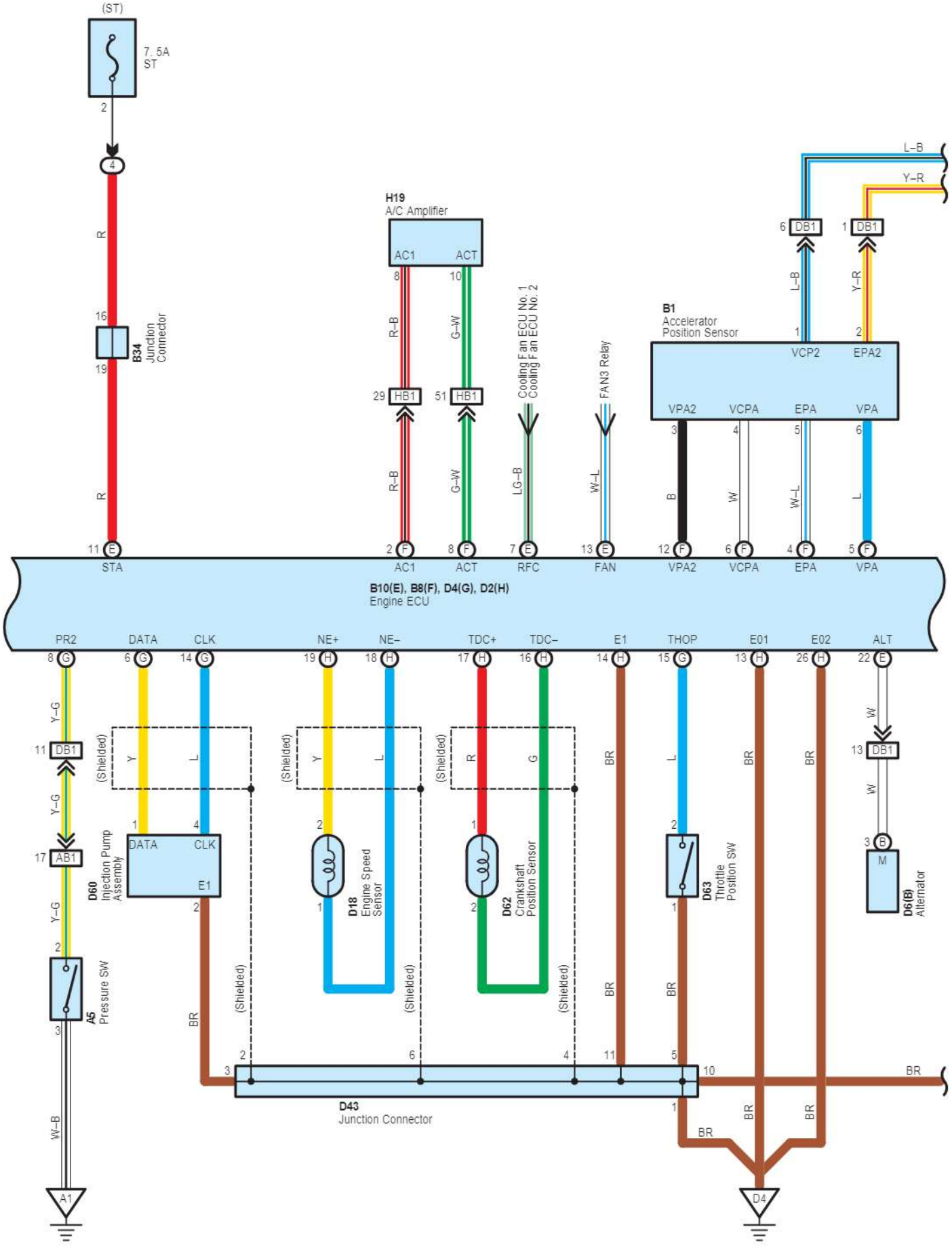
Code	See Page	Ground Points Location
B2	61 (*2)	Front Floor Panel Right
	69 (*5)	
B3	61 (*2)	Front Floor Panel Left
	69 (*5)	
D3	61 (*2)	Engine Block
	69 (*5)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

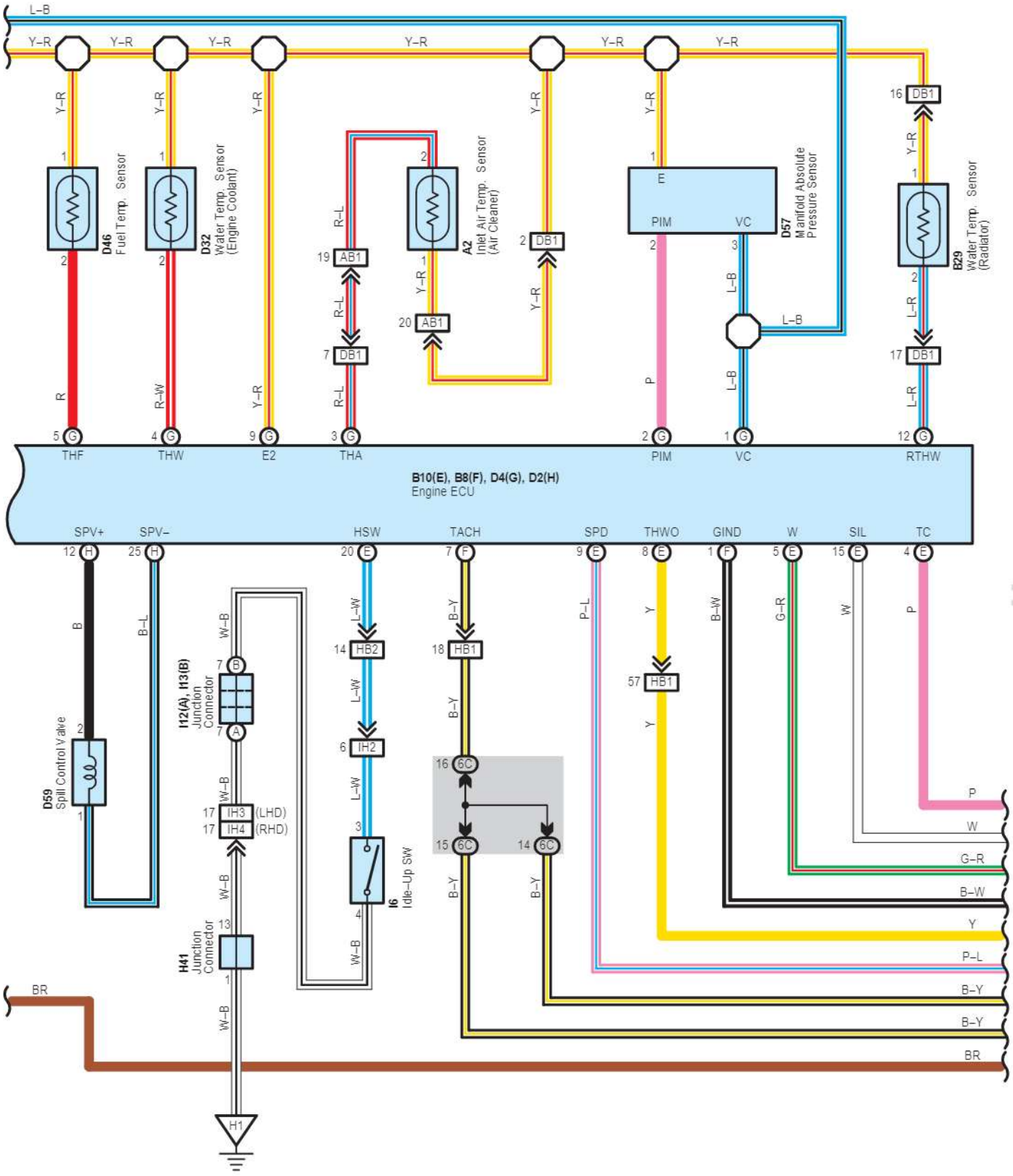
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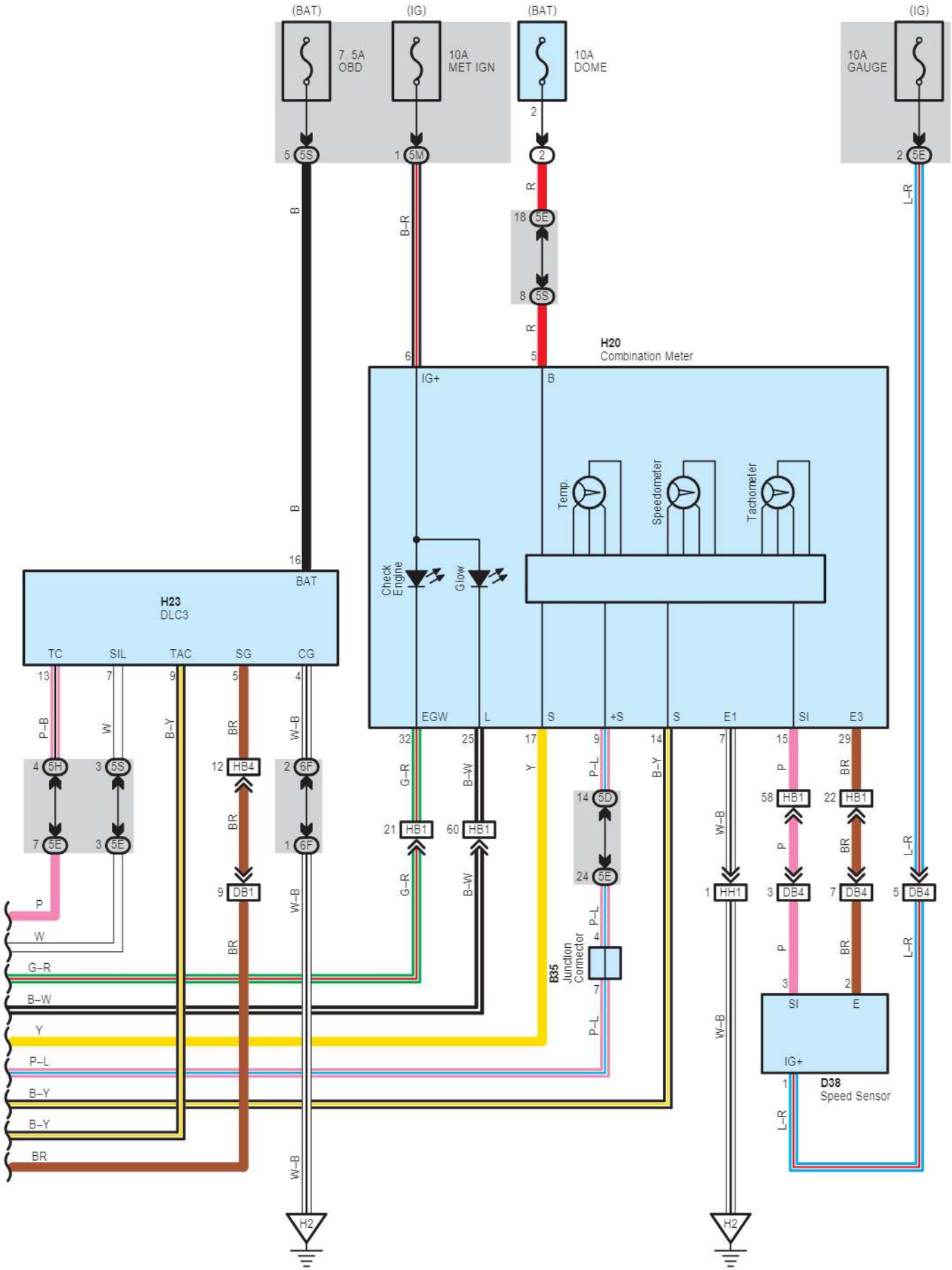
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System Outline

The engine control system utilizes a microcomputer and maintains overall control of the engine, etc. An outline of the engine control is given here.

1. Input Signals

(1) Water temp. signal system

The water temp. sensor (Engine coolant) detects the engine coolant temp. and has a built–in thermistor with a resistance which varies according to the engine coolant temp. Thus the engine coolant temp. is input in the form of a control signal to TERMINAL THW of the engine ECU.

(2) Intake air temp. signal system

The inlet air temp. sensor (Air cleaner) is detects the intake air temp., which is input as a control signal to TERMINAL THA of the engine ECU.

(3) RPM signal system

Crankshaft position and camshaft position are detected by the crankshaft position sensor and engine speed sensor. Crankshaft position is input as a control signal to TERMINAL TDC+ of the engine ECU, and RPM is input to TERMINAL NE+.

(4) Throttle signal system

The accelerator position sensor detects the accelerator pedal opening angle, which is input as a control signal to TERMINALS VPA, VPA2 of the engine ECU.

(5) Vehicle speed signal system

The speed sensor detects the vehicle speed and input a control signal to TERMINAL SP1 of the engine ECU via the combination meter.

(6) A/C SW signal system

The operating voltage of the A/C amplifier is detected and input in the form of a control signal to TERMINAL AC1 of the engine ECU.

(7) Battery signal system

Voltage is constantly applied to TERMINAL BATT of the engine ECU. When the ignition SW is turned to on, voltage for engine ECU operation is applied via the MAIN relay to TERMINAL +B of the engine ECU.

(8) STA signal system

To confirm that the engine is cranking, the voltage applied to the starter motor during cranking is detected and is input as a control signal to TERMINAL STA of the engine ECU.

(9) Fuel temp. signal system

The fuel temp. sensor is detects the fuel temp., which is input as a control signal to TERMINAL THF of the engine ECU.

(10) Intake air vacuum pressure signal system

Intake air vacuum pressure is detected by the manifold absolute pressure sensor and is input as a control signal to TERMINAL PIM of the engine ECU.

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2. Control System

* Fuel injection volume control system
  The fuel injection volume control system monitors the engine conditions through the signals input from each sensors to the engine ECU. Engine ECU has basic data and the program (Memorized in the engine ECU) and decides the most appropriate fuel injection volume, and outputs the current to the TERMINAL SPV+ of the engine ECU, causing the spill control valve to operate it.
* Fuel injection timing control system
  The fuel injection timing control system monitors the engine conditions through the signals input from each sensors to the engine ECU. Engine ECU has basic data and the program (Memorized in the engine ECU) and decides the most appropriate fuel injection timing, and outputs the current to the TERMINAL TCV of the engine ECU, causing the timing control valve to operate it.
* GLOW relay control system
  When the engine starts, the GLOW relay is controlled in response to engine coolant temp. At that time, the engine ECU receives the signals, and the current is output to the TERMINALS SREL and GIND.
  As a result, the engine ECU controls the GLOW relay and makes the glow indicator light come on.
* A/C cut control system
  When the vehicle suddenly accelerates from low engine speed, this system cuts off air conditioner operation for a fixed period of time in response to the vehicle speed, throttle valve opening angle and intake manifold pressure in order to maintain acceleration performance.
  The engine ECU receives input signals, and outputs signals to TERMINAL ACT.

3. Diagnosis System

With the diagnosis system, when there is a malfunctioning in the engine ECU signal system, the malfunction system is recorded in the memory. The malfunctioning system can be found by reading the display (Code) of the check engine warning light.

4. Fail–Safe System

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine ECU memory or else stops the engine.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A2	48 (LHD) 56 (RHD)	D6 B	46 (*3) 54 (*6)	D61	46 (*3) 54 (*6)
A5	48 (LHD) 56 (RHD)	D18	46 (*3) 54 (*6)	D62	46 (*3) 54 (*6)
B1	48 (LHD) 56 (RHD)	D32	46 (*3) 54 (*6)	D63	46 (*3) 54 (*6)
B2	48 (LHD) 56 (RHD)	D38	46 (*3) 54 (*6)	H19	49 (LHD) 57 (RHD)
B8 F	46 (*3) 54 (*6)	D43	46 (*3) 54 (*6)	H20	49 (LHD) 57 (RHD)
B10 E	46 (*3) 54 (*6)	D46	46 (*3) 54 (*6)	H23	49 (LHD) 57 (RHD)
B29	46 (*3) 54 (*6)	D54	46 (*3) 54 (*6)	H41	49 (LHD) 57 (RHD)
B34	48 (LHD) 56 (RHD)	D57	46 (*3) 54 (*6)	I6	48 (LHD) 56 (RHD)
B35	46 (*3) 54 (*6)	D58	46 (*3) 54 (*6)	I12 A	48 (LHD) 56 (RHD)
D2 H	46 (*3) 54 (*6)	D59	46 (*3) 54 (*6)	I13 B	48 (LHD) 56 (RHD)
D4 G	46 (*3) 54 (*6)	D60	46 (*3) 54 (*6)		

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23 (*8)	Engine Room R/B No.1 (Engine Compartment Front)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
1J	25	
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5J		
5M	31	
5S		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
DB1	62 (*3)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	70 (*6)	
DB4	62 (*3)	
	70 (*6)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH2	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
	72 (RHD)	
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH4	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

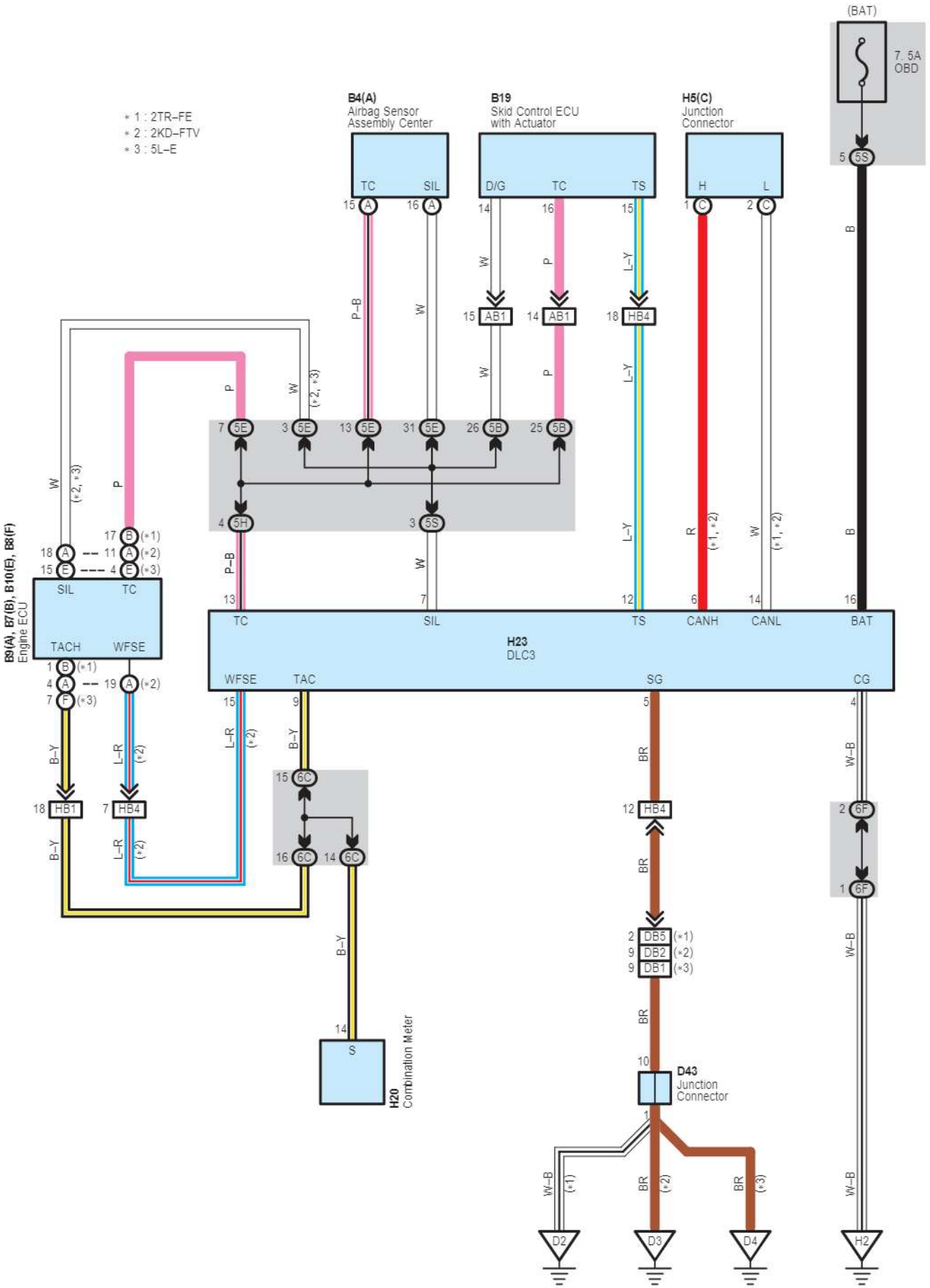
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▽ : **Ground Points**

Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
B2	62 (*3)	Front Floor Panel Right
	70 (*6)	
D4	62 (*3)	Engine Block
	70 (*6)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
H2	64 (LHD)	
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Parts Location

Code		See Page	Code	See Page	Code		See Page
B4	A	48 (LHD)	B19	44 (*1)	D43		53 (*5)
		56 (RHD)		45 (*2)			54 (*6)
B7	B	44 (*1)		46 (*3)	H5	C	42, 49 (LHD)
		52 (*4)		52 (*4)			42, 57 (RHD)
B8	F	46 (*3)		53 (*5)	H20		49 (LHD)
		54 (*6)		54 (*6)			57 (RHD)
B9	A	45 (*2)	D43	44 (*1)	H23		49 (LHD)
		53 (*5)		45 (*2)			57 (RHD)
B10	E	46 (*3)		46 (*3)			
		54 (*6)		52 (*4)			

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5S	31	
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

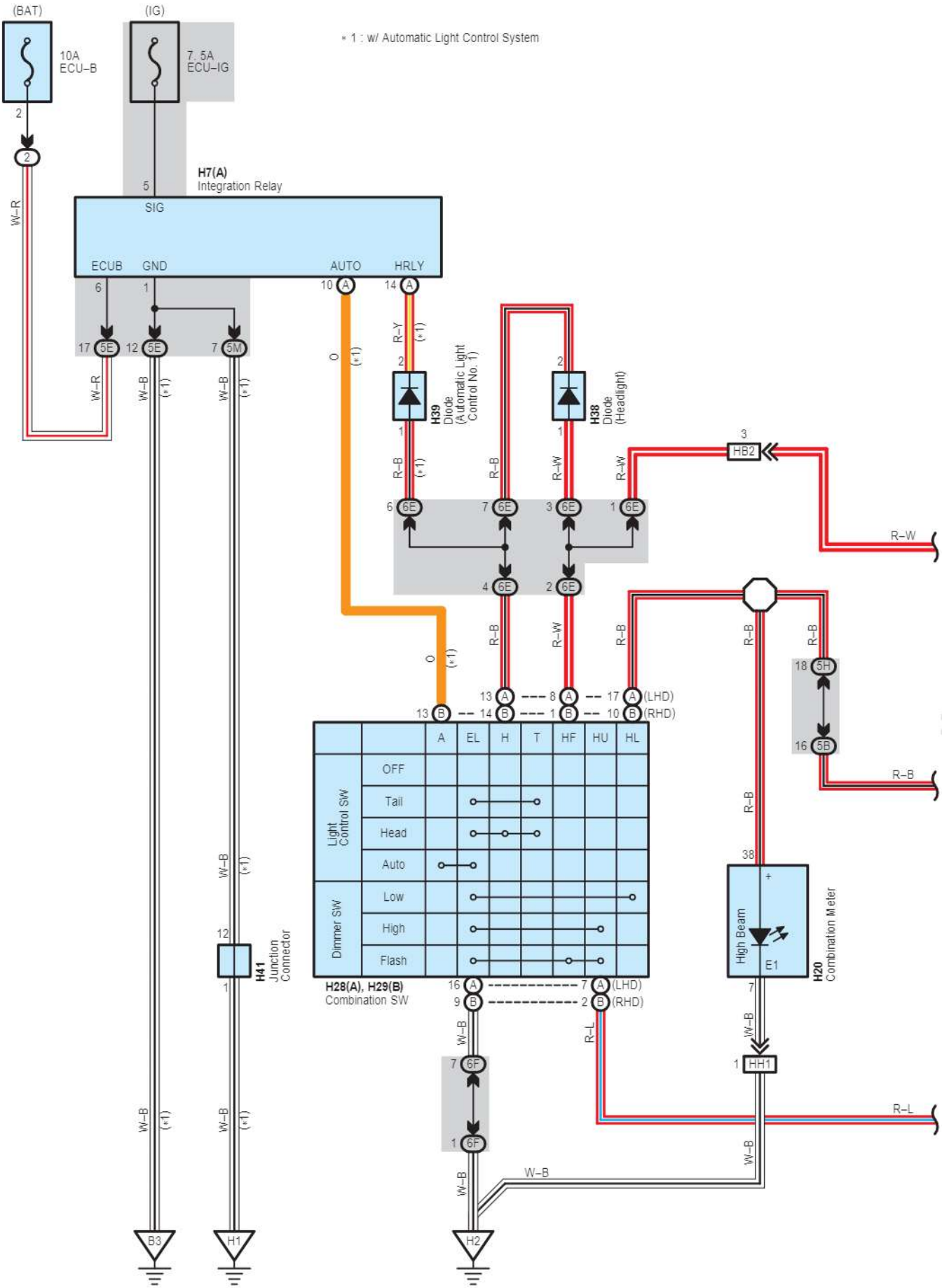
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
DB1	62 (*3)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	70 (*6)	
DB2	61 (*2)	
	69 (*5)	
DB5	60 (*1)	
	68 (*4)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	

: Ground Points

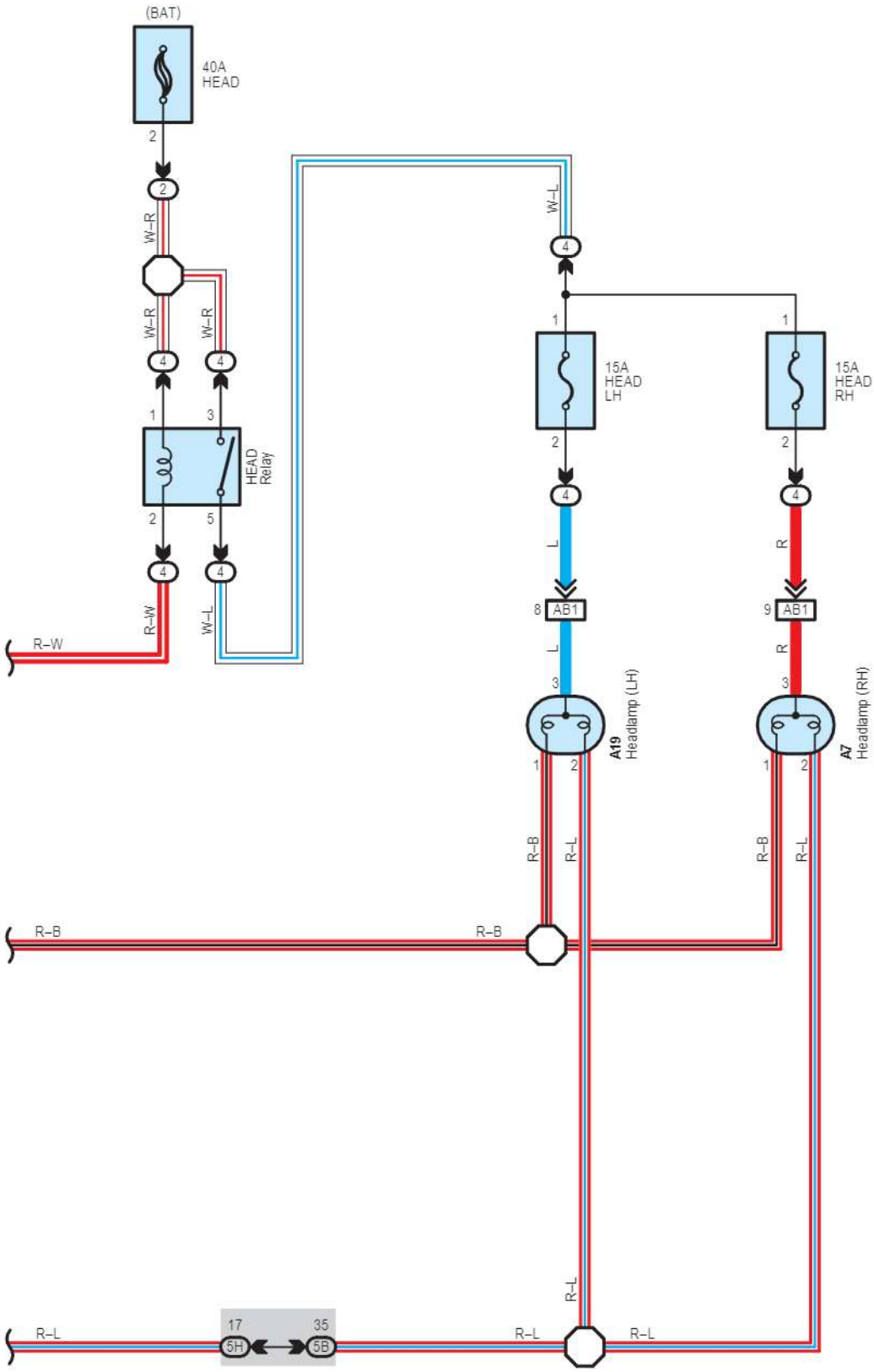
Code	See Page	Ground Points Location
D2	60 (*1)	Engine Block
	68 (*4)	
D3	61 (*2)	
	69 (*5)	
D4	62 (*3)	
	70 (*6)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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Headlight

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A7	48 (LHD)	H7 A	57 (RHD)	H38	49 (LHD)
	56 (RHD)	H20	49 (LHD)		57 (RHD)
A19	48 (LHD)		57 (RHD)	H39	57 (RHD)
	56 (RHD)	H28 A	49 (LHD)	H41	49 (LHD)
H7 A	49 (LHD)	H29 B	57 (RHD)		57 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
6E	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)

: Ground Points

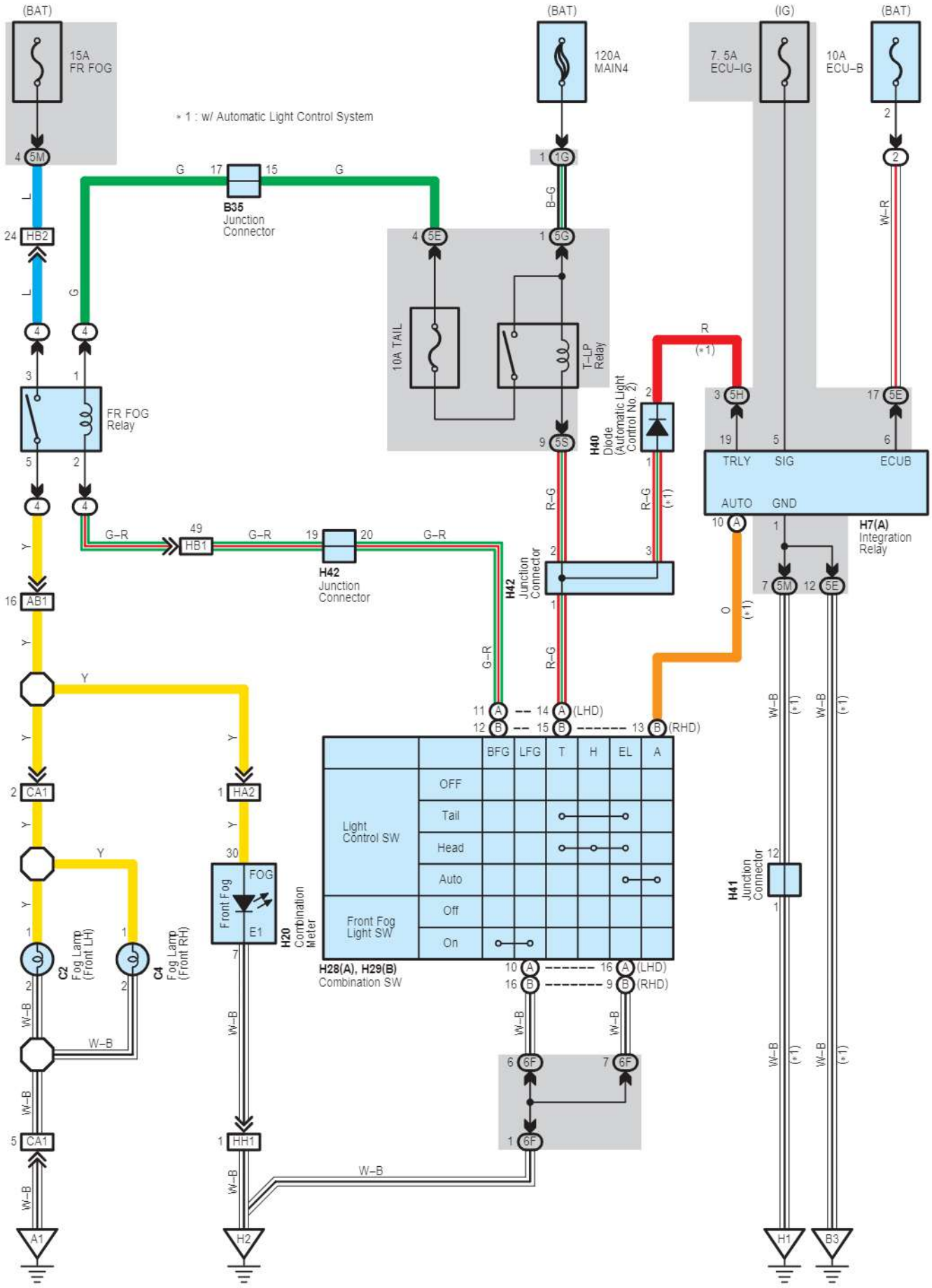
Code	See Page	Ground Points Location
B3	68 (*4)	Front Floor Panel Left
H1	72 (RHD)	Instrument Panel Reinforcement
H2	64 (LHD)	
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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Front Fog Light



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: Parts Location

Code	See Page	Code	See Page	Code	See Page
B35	44 (*1)	C4	48 (LHD)	H29 B	57 (RHD)
	45 (*2)		56 (RHD)	H40	57 (RHD)
	52 (*4)	H7 A	57 (RHD)	H41	57 (RHD)
	53 (*5)	H20	49 (LHD)	H42	49 (LHD)
C2	48 (LHD)		57 (RHD)		57 (RHD)
	56 (RHD)	H28 A	49 (LHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5S		
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

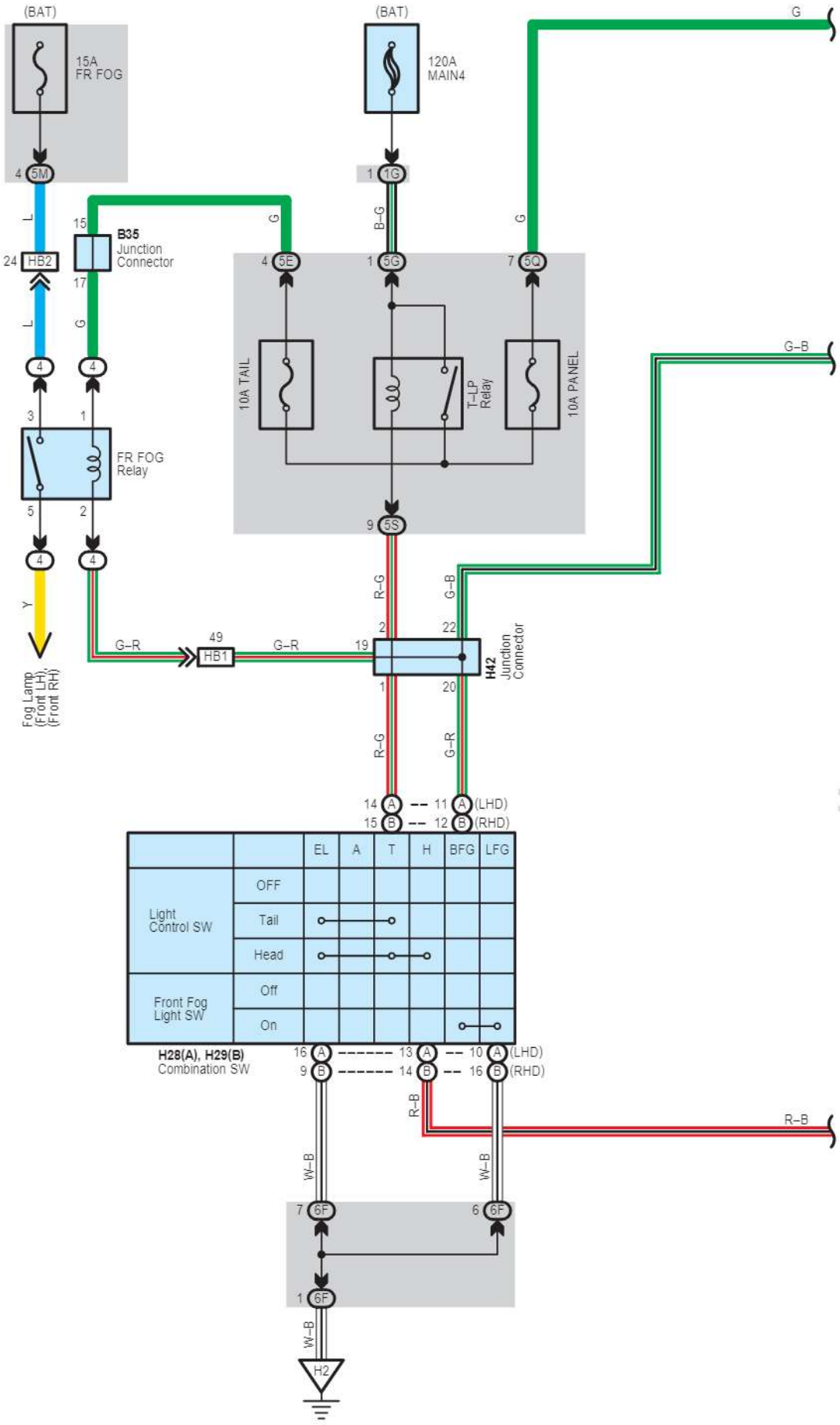
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
CA1	64 (LHD)	Engine Room No.4 Wire and Cowl to Head Lamp Wire (Dash Panel Left)
	72 (RHD)	
HA2	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)

: Ground Points

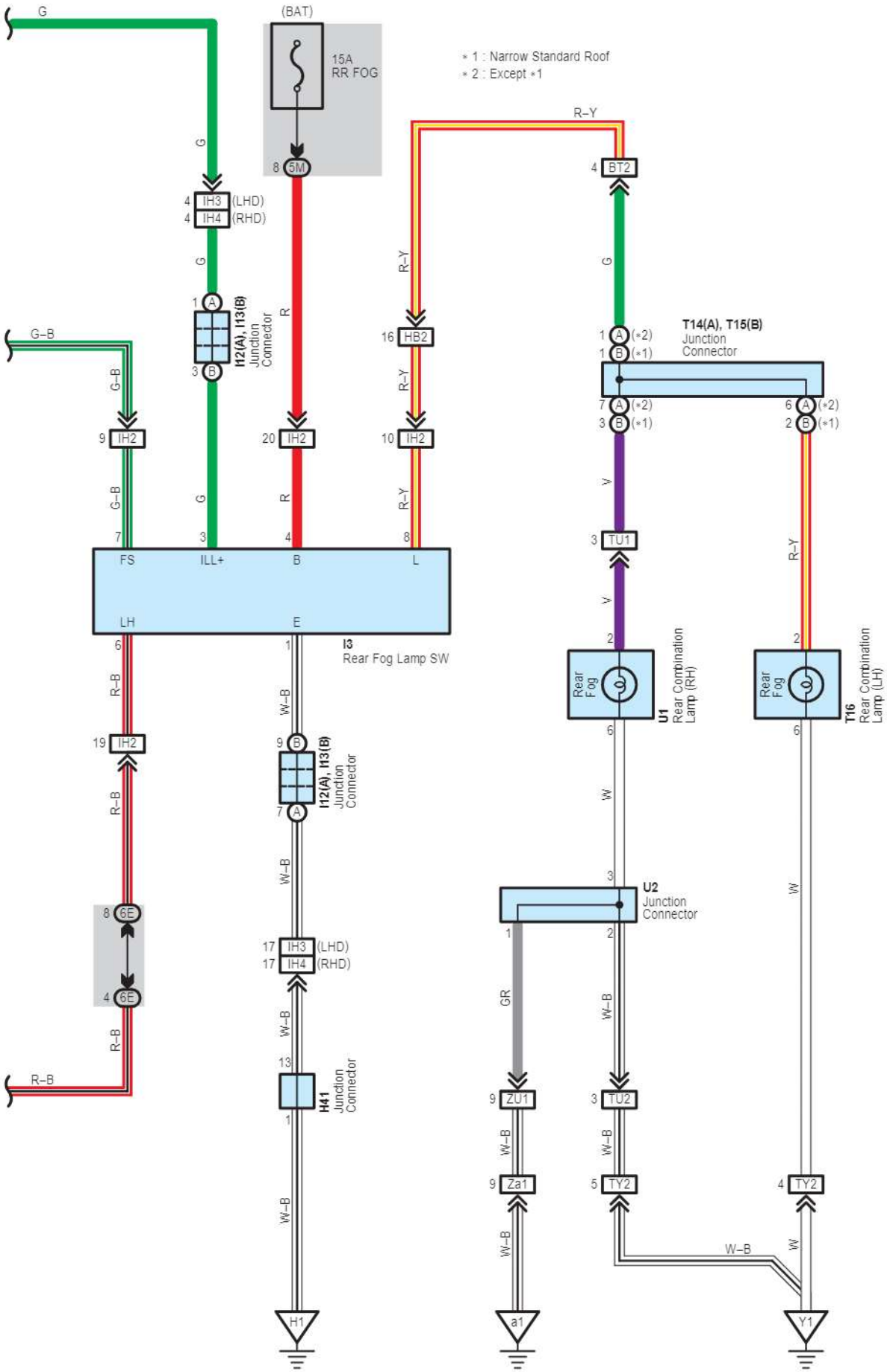
Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
B3	68 (*4)	Front Floor Panel Left
H1	72 (RHD)	Instrument Panel Reinforcement
H2	64 (LHD)	
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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Rear Fog Light

: Parts Location

Code	See Page	Code	See Page	Code	See Page
B35	44 (*1)	H42	49 (LHD)	T15 B	50 (LHD)
	45 (*2)		57 (RHD)		58 (RHD)
	46 (*3)	I3	48 (LHD)	T16	50 (LHD)
	52 (*4)		56 (RHD)		58 (RHD)
	53 (*5)	I12 A	48 (LHD)	U1	51 (LHD)
	54 (*6)		56 (RHD)		59 (RHD)
H28 A	49 (LHD)	I13 B	48 (LHD)	U2	51 (LHD)
H29 B	57 (RHD)		56 (RHD)		59 (RHD)
H41	49 (LHD)	T14 A	50 (LHD)		
	57 (RHD)		58 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
4	29	Instrument Panel R/B (Under the Glove Box)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5Q		
5S		
6E	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BT2	64 (LHD)	Engine Room Main Wire and Roof Wire (Cowl Side Panel LH)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
IH2	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
	72 (RHD)	
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH4	72 (RHD)	
TU1	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	
TU2	66 (LHD)	
	74 (RHD)	
TY2	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
	74 (RHD)	
ZU1	66 (LHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
	74 (RHD)	
Za1	66 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)
	74 (RHD)	

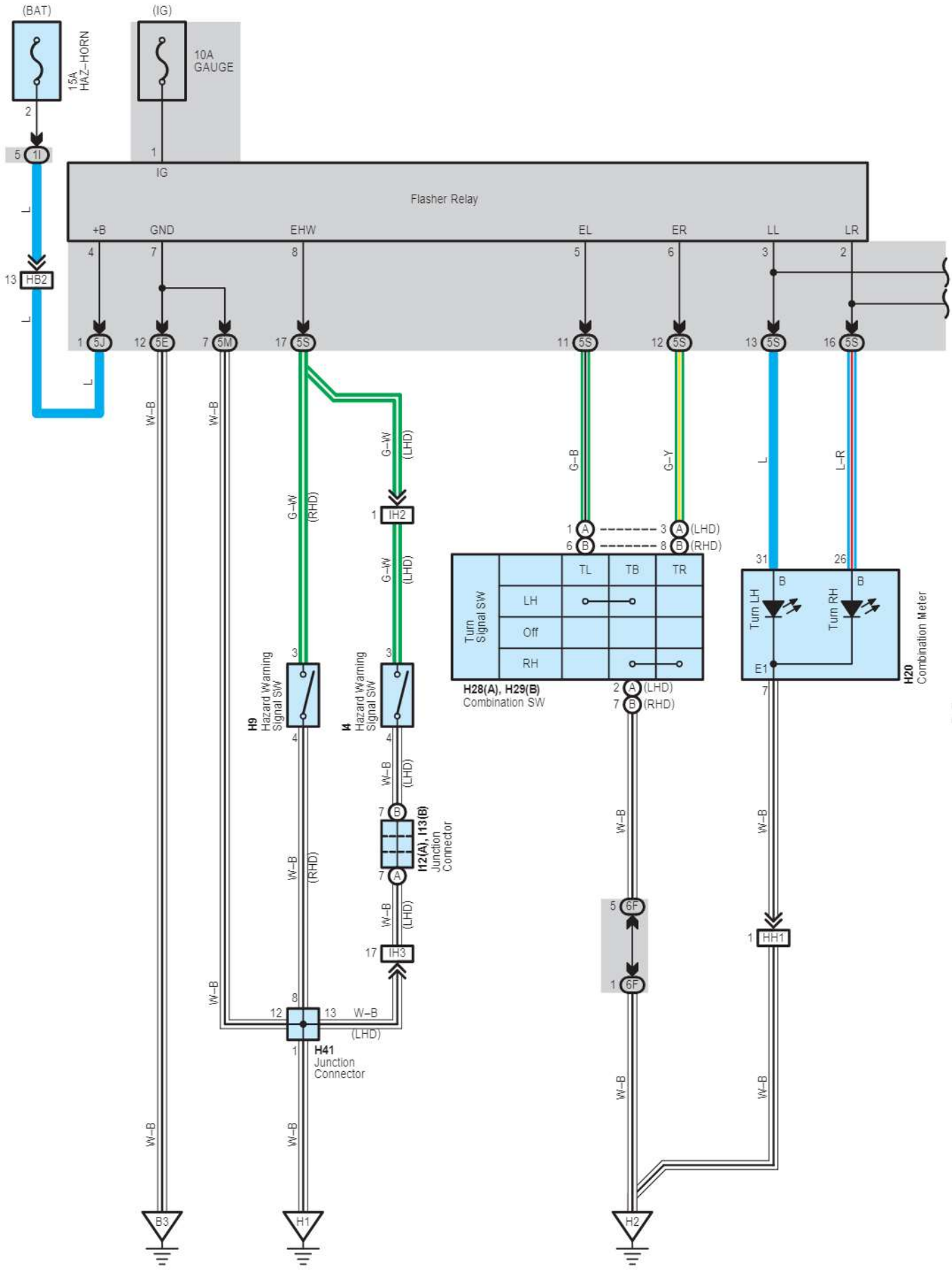
* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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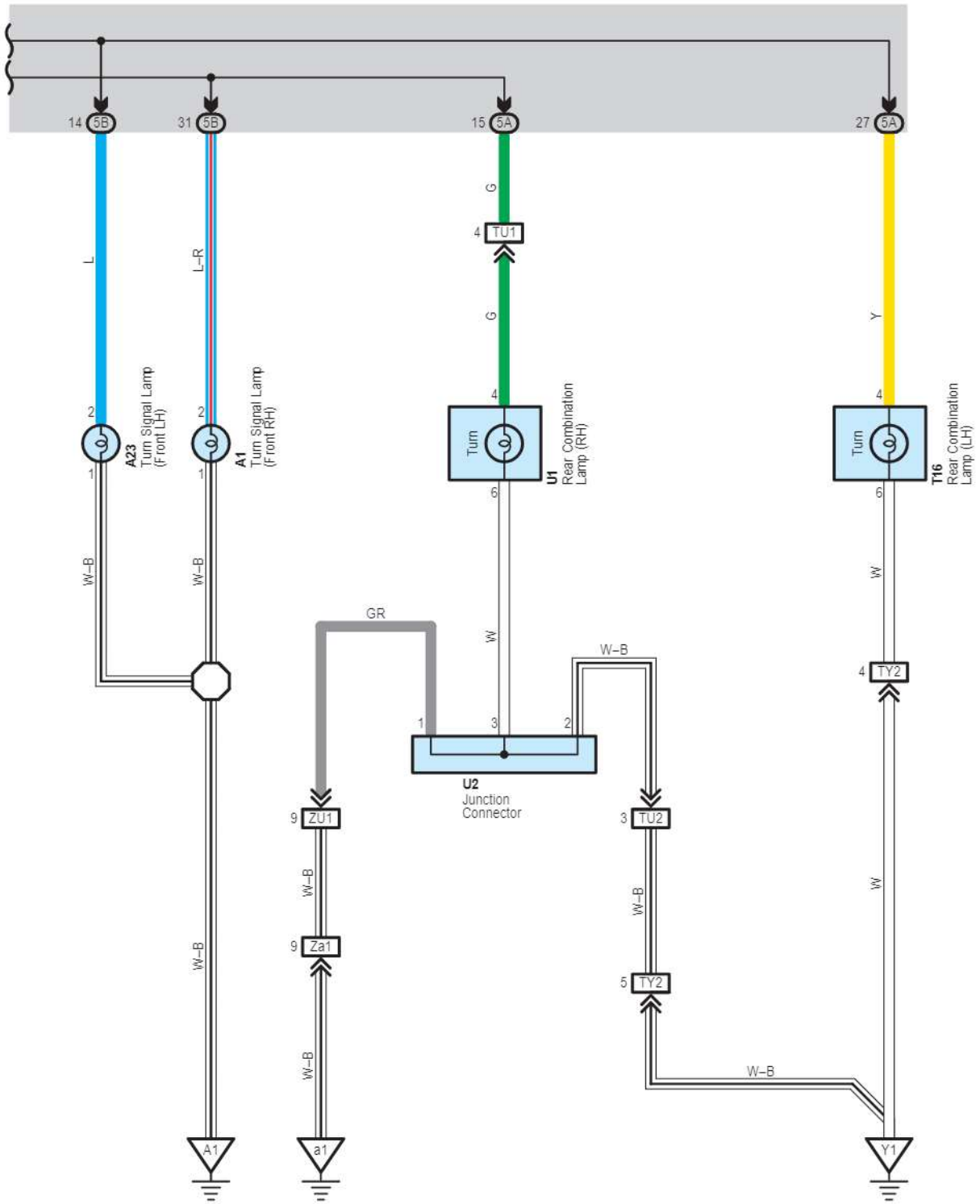
▽ : **Ground Points**

Code	See Page	Ground Points Location
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
H2	64 (LHD)	
	72 (RHD)	
Y1	66 (LHD)	Left Quarter Panel
	74 (RHD)	
a1	66 (LHD)	Back Door Right
	74 (RHD)	

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Turn Signal and Hazard Warning Light

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A1	48 (LHD)	H29 B	57 (RHD)	T16	50 (LHD)
	56 (RHD)	H41	49 (LHD)		58 (RHD)
A23	48 (LHD)		57 (RHD)	U1	51 (LHD)
	56 (RHD)	I4	48 (LHD)		59 (RHD)
H9	57 (RHD)	I12 A	48 (LHD)	U2	51 (LHD)
H20	49 (LHD)		56 (RHD)		59 (RHD)
	57 (RHD)	I13 B	48 (LHD)		
H28 A	49 (LHD)		56 (RHD)		

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1I	25	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5J	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5S		
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HB2	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH2	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
TU1	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	
TU2	66 (LHD)	
	74 (RHD)	
TY2	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
	74 (RHD)	
ZU1	66 (LHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
	74 (RHD)	
Za1	66 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)
	74 (RHD)	

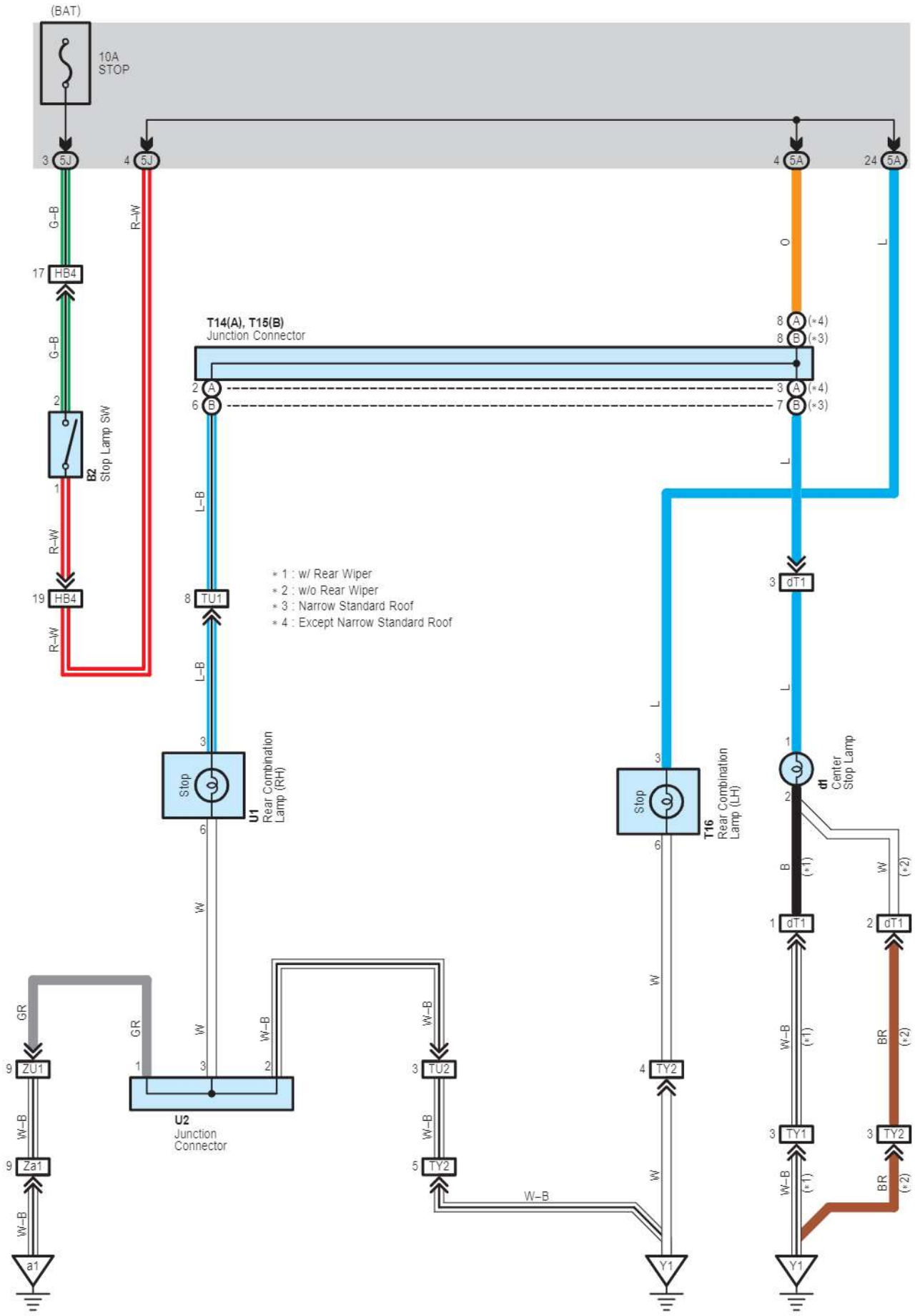
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▽ : **Ground Points**

Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
H2	64 (LHD)	
	72 (RHD)	
Y1	66 (LHD)	Left Quarter Panel
	74 (RHD)	
a1	66 (LHD)	Back Door Right
	74 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Parts Location

Code		See Page	Code		See Page	Code	See Page
B2		48 (LHD)	T15	B	58 (RHD)	U2	51 (LHD)
		56 (RHD)	T16		50 (LHD)		59 (RHD)
T14	A	50 (LHD)			58 (RHD)	d1	51 (LHD)
		58 (RHD)	U1		51 (LHD)		59 (RHD)
T15	B	50 (LHD)			59 (RHD)		

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5J	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)

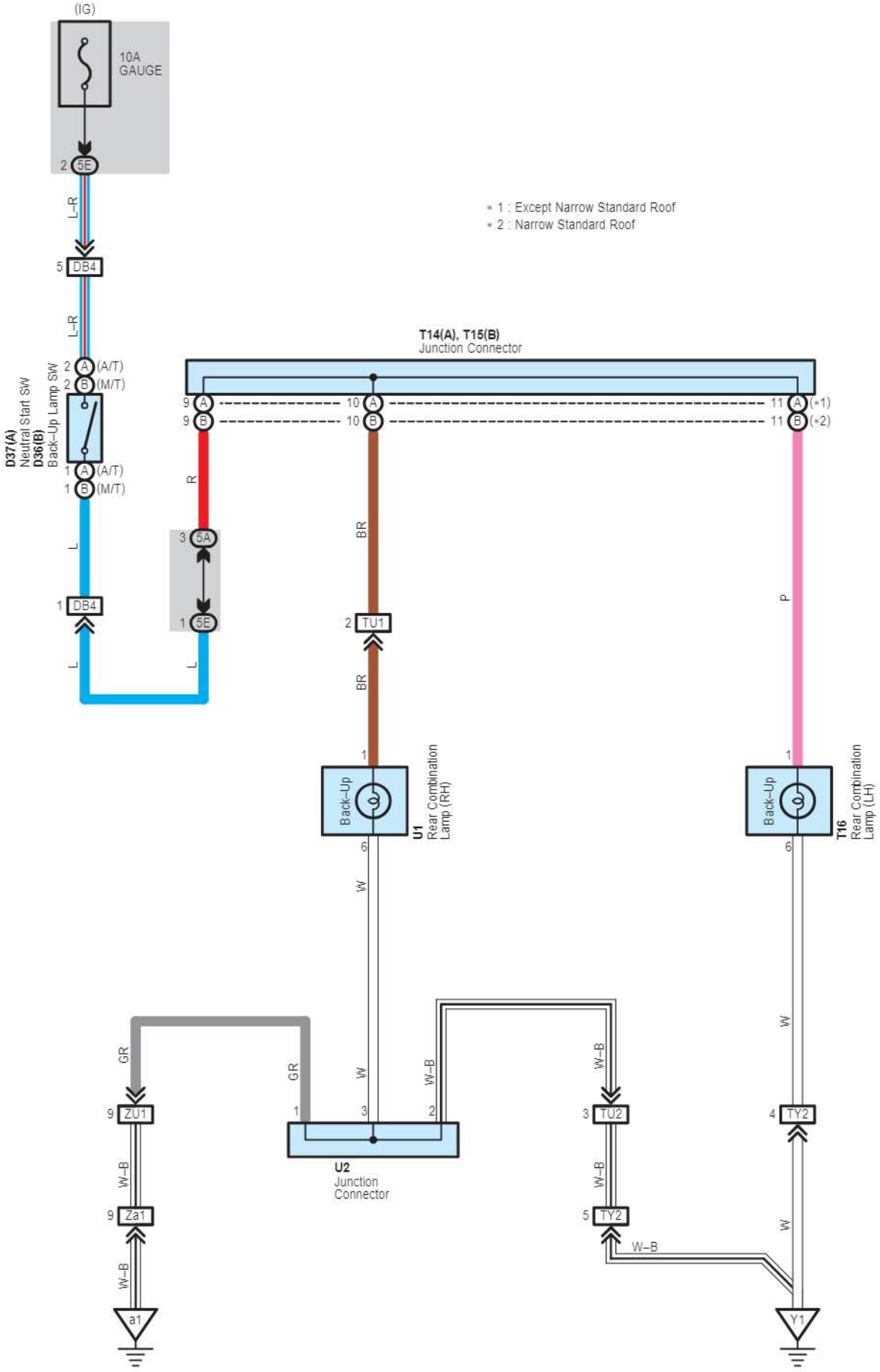
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HB4	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
TU1	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	
TU2	66 (LHD)	
	74 (RHD)	
TY1	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
	74 (RHD)	
TY2	66 (LHD)	
	74 (RHD)	
ZU1	66 (LHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
	74 (RHD)	
Za1	66 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)
	74 (RHD)	
dT1	66 (LHD)	Back Door No.3 Wire and Roof Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
Y1	66 (LHD)	Left Quarter Panel
	74 (RHD)	
a1	66 (LHD)	Back Door Right
	74 (RHD)	

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: Parts Location

Code		See Page	Code		See Page	Code	See Page
D36	B	44 (*1)	D37	A	45 (*2)	T16	50 (LHD)
		45 (*2)			52 (*4)		58 (RHD)
		46 (*3)			53 (*5)	U1	51 (LHD)
		52 (*4)	T14	A	50 (LHD)		59 (RHD)
		53 (*5)			58 (RHD)	U2	51 (LHD)
		54 (*6)	T15	B	50 (LHD)		59 (RHD)
D37	A	44 (*1)			58 (RHD)		

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

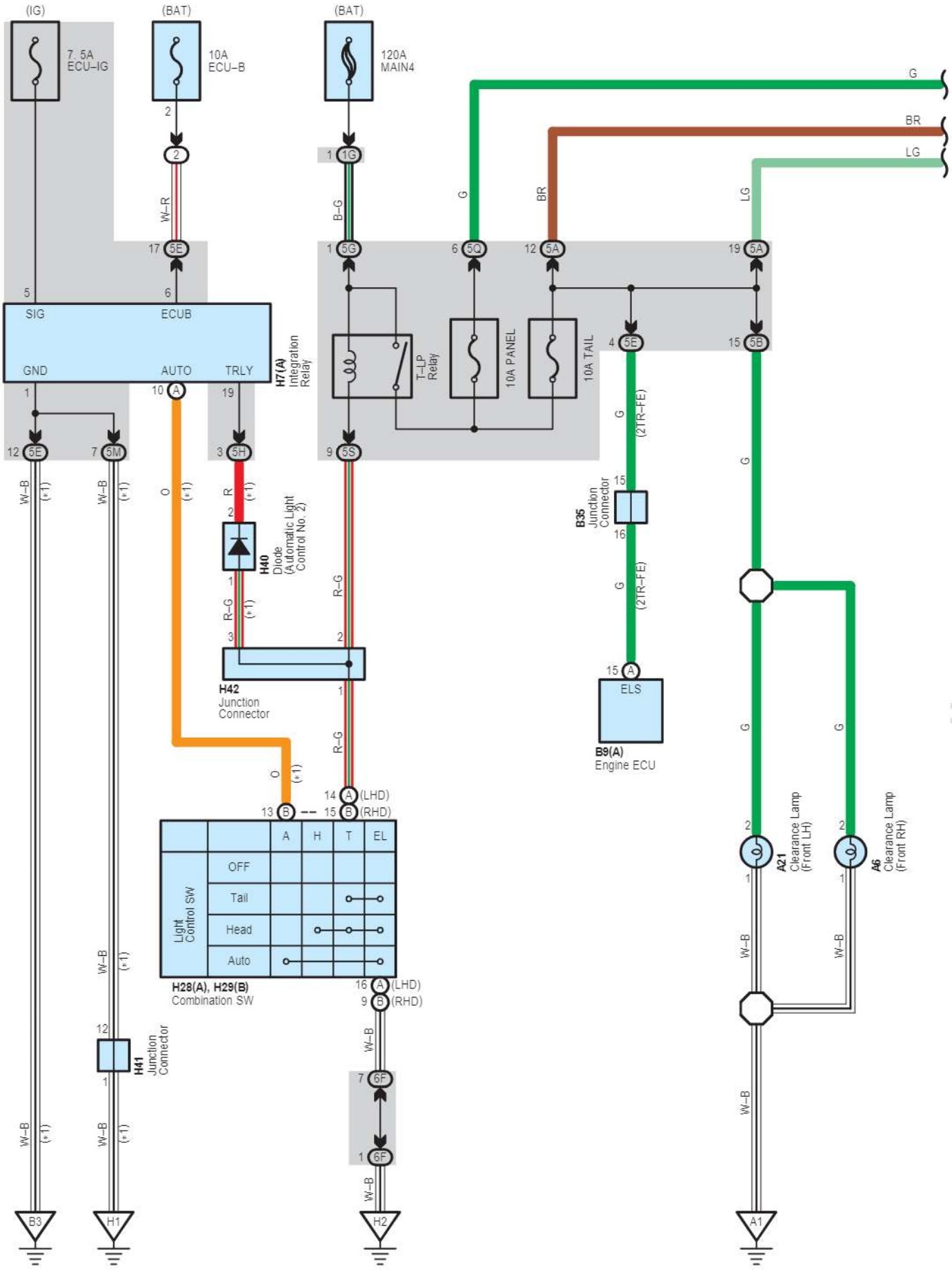
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
DB4	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
TU1	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	
TU2	66 (LHD)	
	74 (RHD)	
TY2	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
	74 (RHD)	
ZU1	66 (LHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
	74 (RHD)	
Za1	66 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)
	74 (RHD)	

: Ground Points

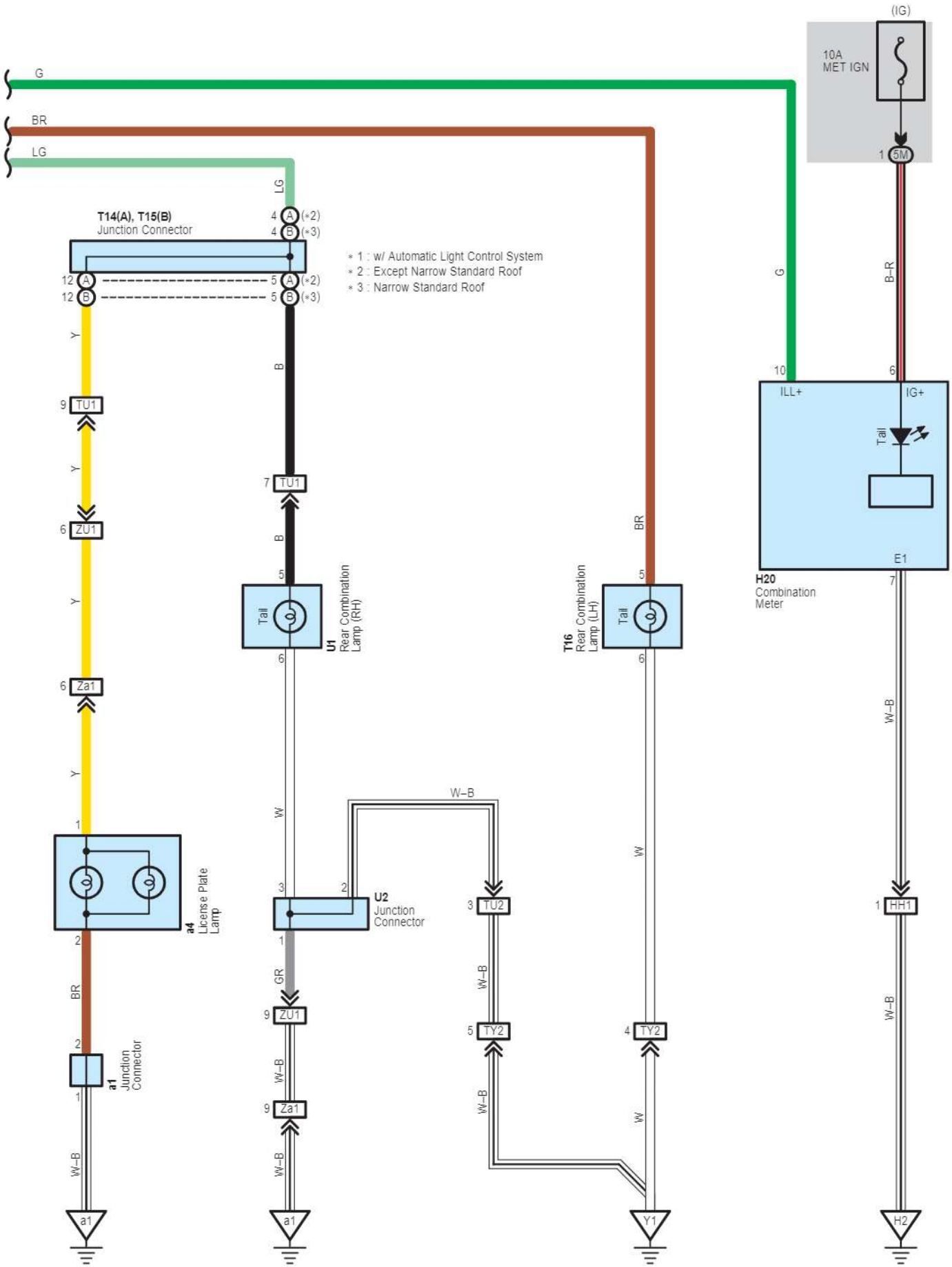
Code	See Page	Ground Points Location
Y1	66 (LHD)	Left Quarter Panel
	74 (RHD)	
a1	66 (LHD)	Back Door Right
	74 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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Taillight

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A6	48 (LHD)	H28 A	49 (LHD)	T16	58 (RHD)
	56 (RHD)	H29 B	57 (RHD)	U1	51 (LHD)
A21	48 (LHD)	H40	57 (RHD)		59 (RHD)
	56 (RHD)	H41	57 (RHD)	U2	51 (LHD)
B9 A	44 (*1)	H42	49 (LHD)		59 (RHD)
	52 (*4)		57 (RHD)	a1	51 (LHD)
B35	44 (*1)	T14 A	50 (LHD)		59 (RHD)
	52 (*4)		58 (RHD)	a4	51 (LHD)
H7 A	57 (RHD)	T15 B	50 (LHD)		59 (RHD)
H20	49 (LHD)		58 (RHD)		
	57 (RHD)	T16	50 (LHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5Q		
5S		
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
TU1	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	
TU2	66 (LHD)	
	74 (RHD)	
TY2	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
	74 (RHD)	
ZU1	66 (LHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
	74 (RHD)	
Za1	66 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)
	74 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

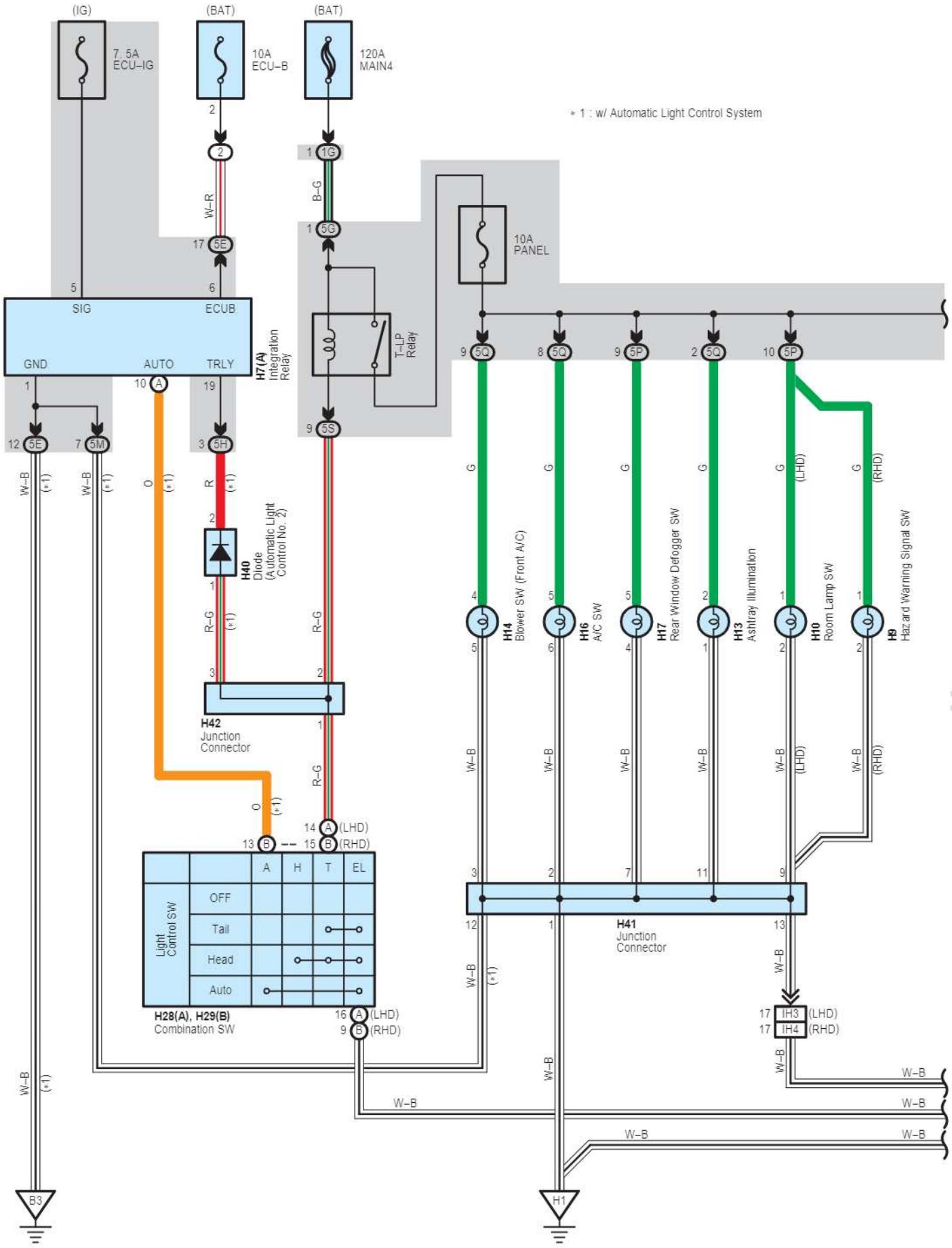
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▽ : **Ground Points**

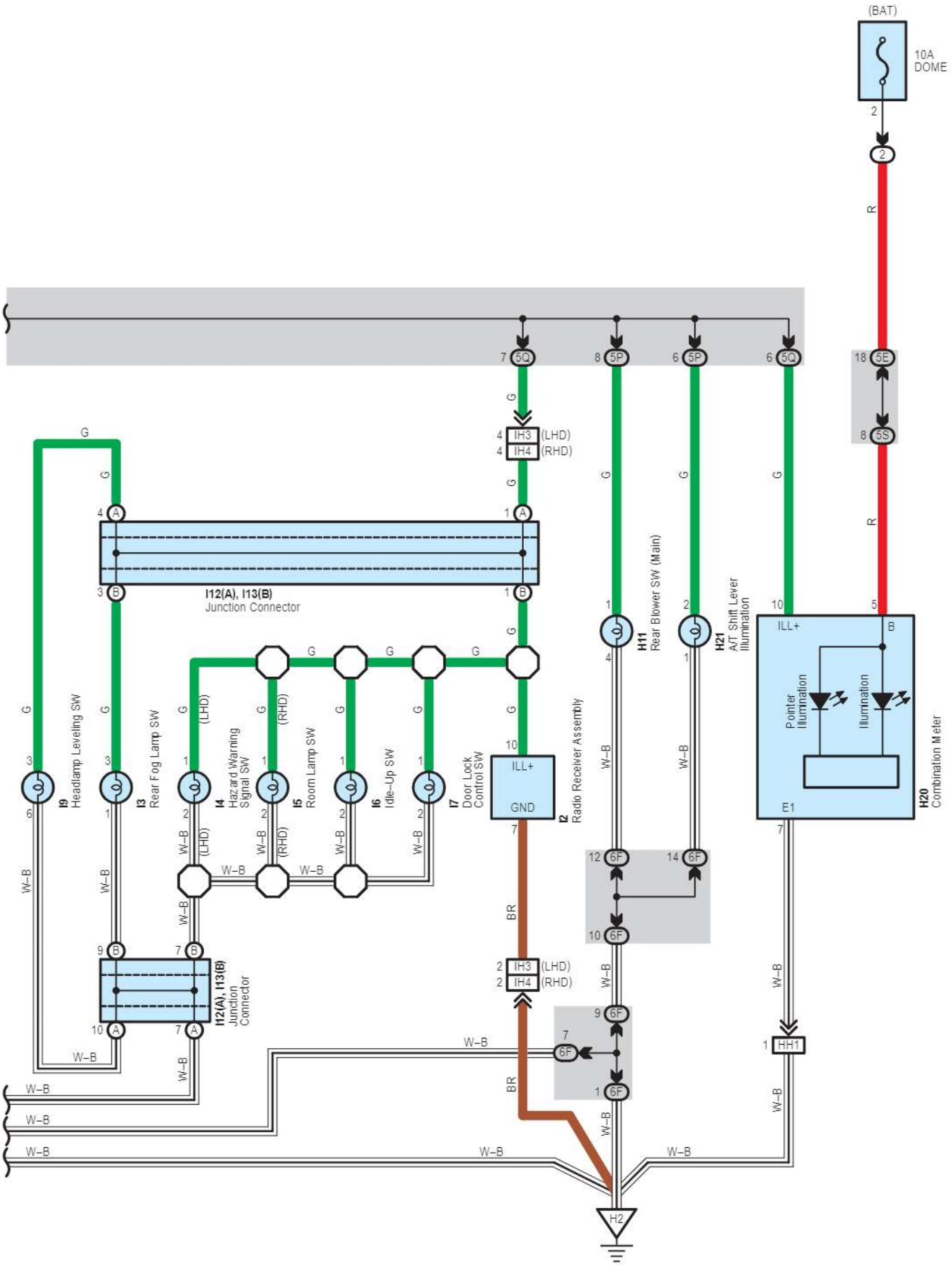
Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
B3	68 (*4)	Front Floor Panel Left
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
H2	64 (LHD)	
	72 (RHD)	
Y1	66 (LHD)	Left Quarter Panel
	74 (RHD)	
a1	66 (LHD)	Back Door Right
	74 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
H7 A	49 (LHD)	H20	49 (LHD)	I3	56 (RHD)
	57 (RHD)		57 (RHD)	I4	48 (LHD)
H9	57 (RHD)	H21	49 (LHD)	I5	56 (RHD)
H10	49 (LHD)		57 (RHD)	I6	48 (LHD)
H11	49 (LHD)	H28 A	49 (LHD)		56 (RHD)
	57 (RHD)	H29 B	57 (RHD)	I7	48 (LHD)
H13	49 (LHD)	H40	57 (RHD)		56 (RHD)
	57 (RHD)	H41	49 (LHD)	I9	48 (LHD)
H14	49 (LHD)		57 (RHD)	I12 A	48 (LHD)
	57 (RHD)	H42	49 (LHD)		56 (RHD)
H16	49 (LHD)		57 (RHD)	I13 B	48 (LHD)
	57 (RHD)	I2	48 (LHD)		56 (RHD)
H17	49 (LHD)		56 (RHD)		
	57 (RHD)	I3	48 (LHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5P		
5Q		
5S		
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH4	72 (RHD)	

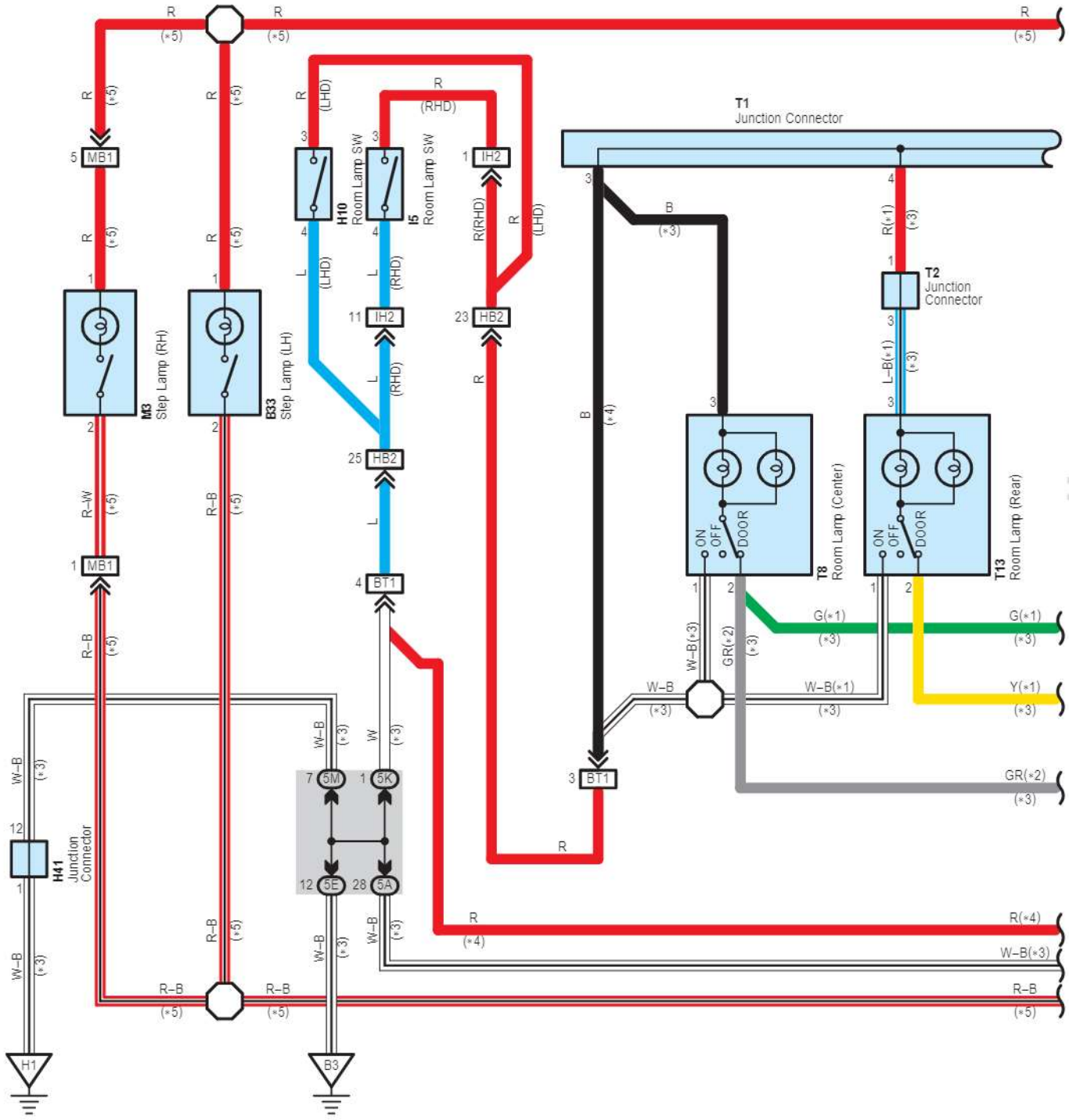
▽ : Ground Points

Code	See Page	Ground Points Location
B3	68 (*4)	Front Floor Panel Left
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
H2	64 (LHD)	
	72 (RHD)	

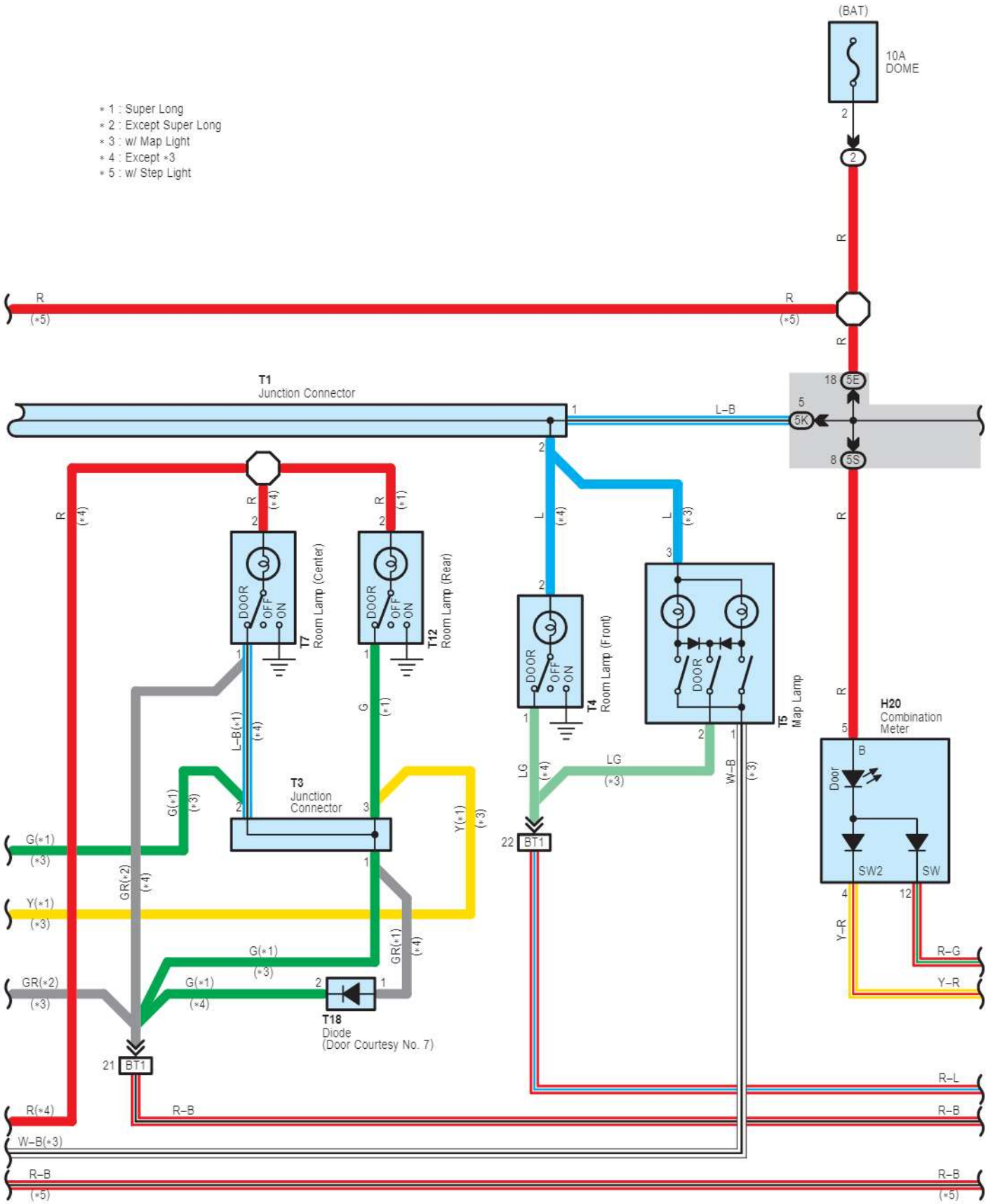
* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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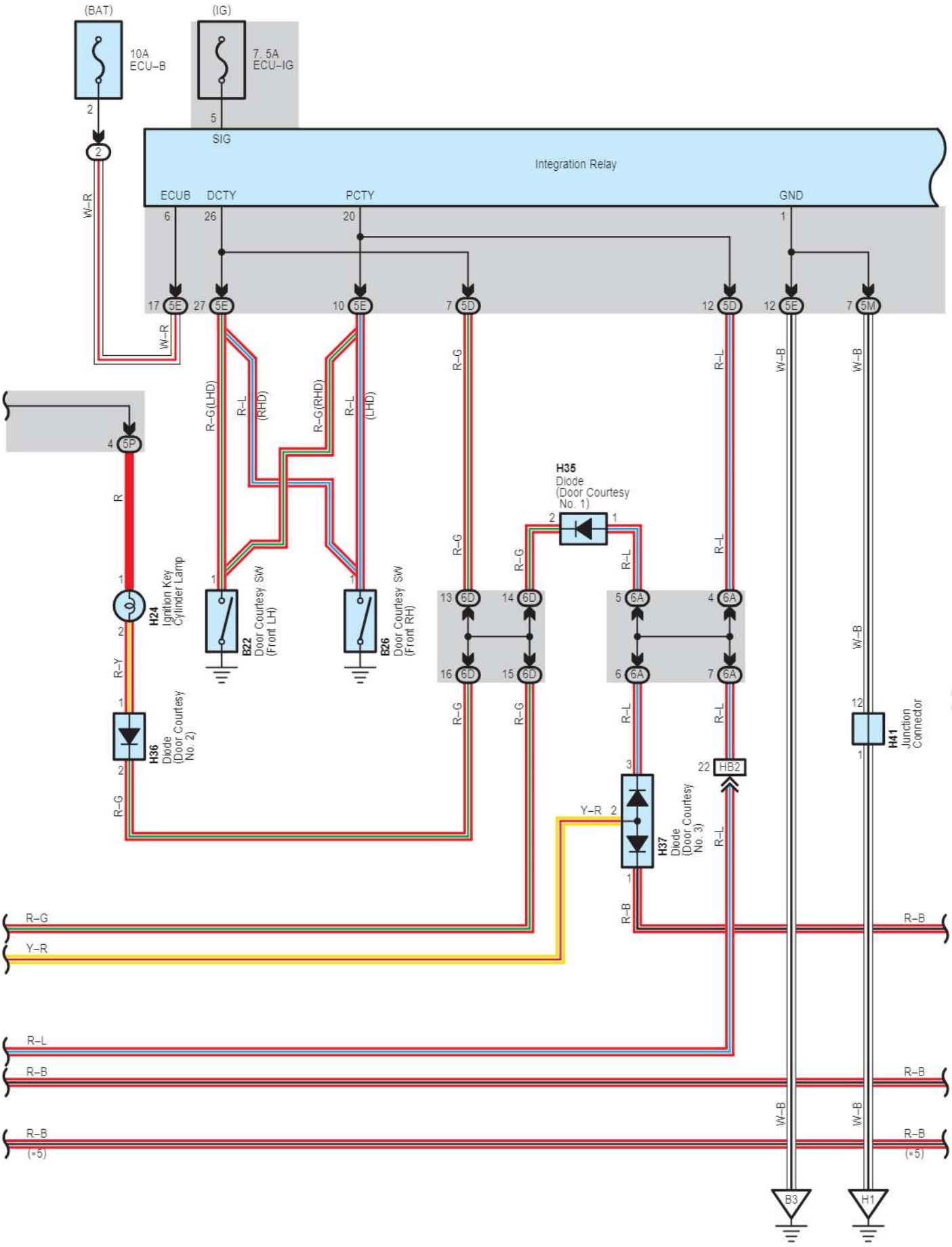
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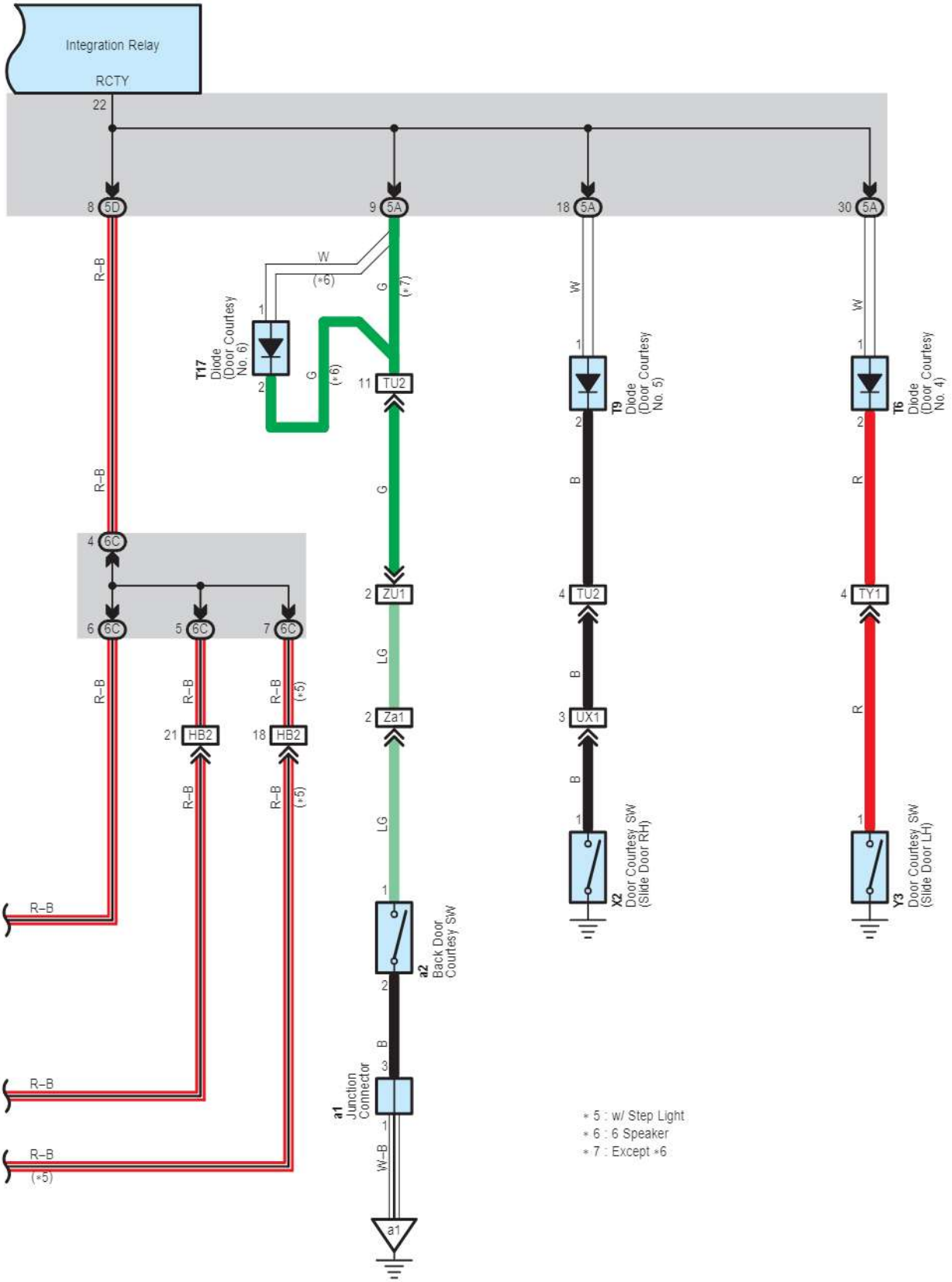
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○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B22	50 (LHD)	I5	56 (RHD)	T8	58 (RHD)
	58 (RHD)	M3	50 (LHD)	T9	50 (LHD)
B26	50 (LHD)		58 (RHD)	T12	50 (LHD)
	58 (RHD)	T1	48 (LHD)		58 (RHD)
B33	58 (RHD)		56 (RHD)	T13	50 (LHD)
H10	49 (LHD)	T2	48 (LHD)		58 (RHD)
H20	49 (LHD)		56 (RHD)	T17	50 (LHD)
	57 (RHD)	T3	48 (LHD)	T18	48 (LHD)
H24	49 (LHD)		56 (RHD)		56 (RHD)
	57 (RHD)	T4	50 (LHD)	X2	51 (LHD)
H35	49 (LHD)		58 (RHD)		59 (RHD)
	57 (RHD)	T5	50 (LHD)	Y3	51 (LHD)
H36	49 (LHD)		58 (RHD)		59 (RHD)
	57 (RHD)	T6	50 (LHD)	a1	51 (LHD)
H37	49 (LHD)		58 (RHD)		59 (RHD)
	57 (RHD)	T7	50 (LHD)	a2	51 (LHD)
H41	49 (LHD)		58 (RHD)		59 (RHD)
	57 (RHD)	T8	50 (LHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5K	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5P		
5S		
6A	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

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: Connector Joining Wire Harness and Wire Harness

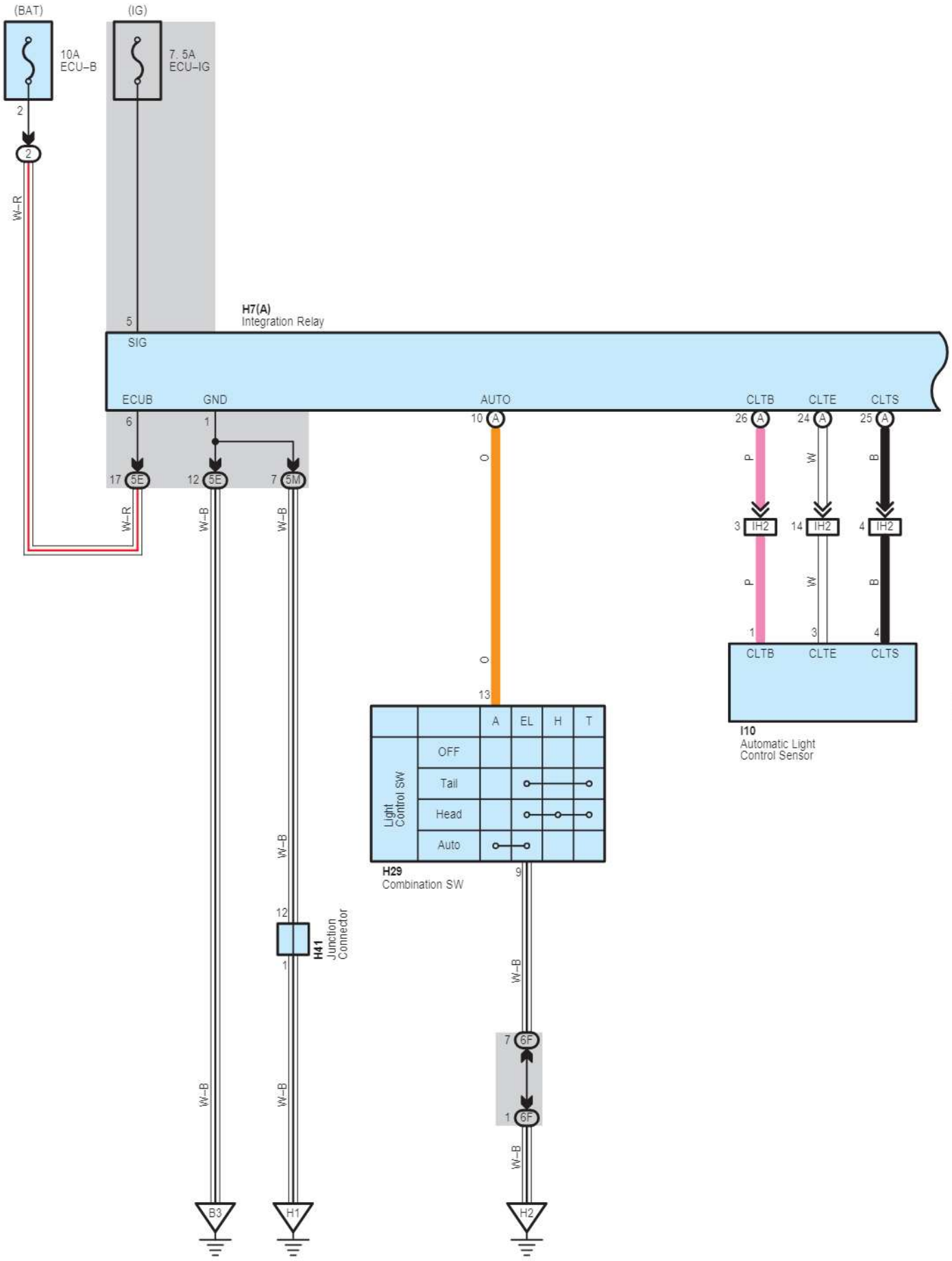
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BT1	64 (LHD)	Engine Room Main Wire and Roof Wire (Cowl Side Panel LH)
	72 (RHD)	
HB2	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
IH2	72 (RHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
MB1	60 (*1)	Pillar No.1 Wire and Engine Room Main Wire (RH Side Battery Room)
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
TU2	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	
TY1	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
	74 (RHD)	
UX1	66 (LHD)	Roof No.2 Wire and Luggage Room No.2 Wire (Right Quarter Panel)
	74 (RHD)	
ZU1	66 (LHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
	74 (RHD)	
Za1	66 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)
	74 (RHD)	

: Ground Points

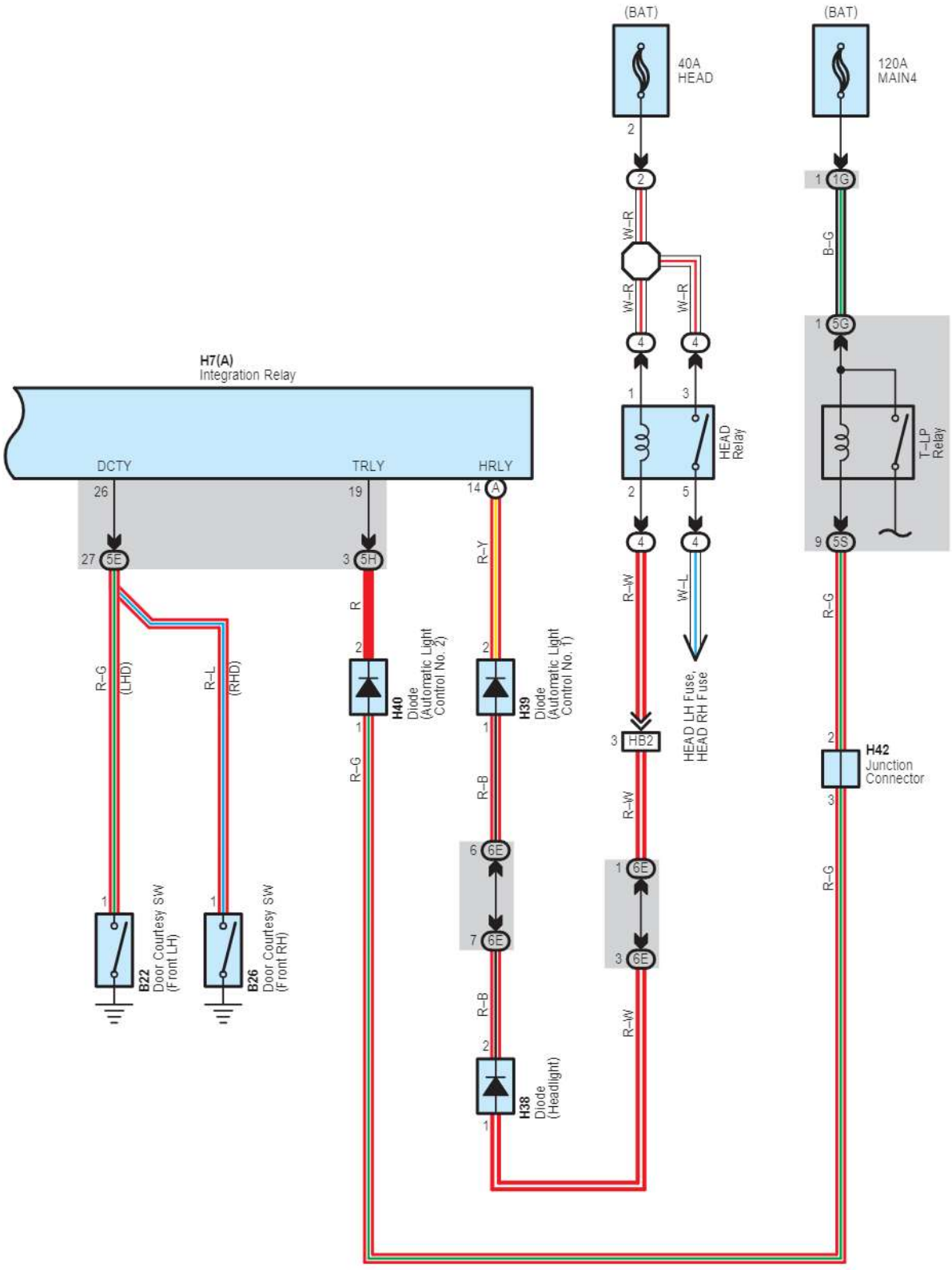
Code	See Page	Ground Points Location
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
a1	66 (LHD)	Back Door Right
	74 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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Automatic Light Control

System Outline

* Automatic light control, with a light control SW in AUTO position and an ignition SW in ON position, detects whether the area surrounding an automatic light control sensor is light or dark, and automatically turns on/off a tail lamp and a headlamp.
* When the driver's door is opened after an ignition SW is turned from ON to OFF, with a light control SW in AUTO position, automatic light control automatically turns off a tail lamp and a headlamp.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
B22	58 (RHD)	H38	57 (RHD)	H42	57 (RHD)
B26	58 (RHD)	H39	57 (RHD)	I10	56 (RHD)
H7 A	57 (RHD)	H40	57 (RHD)		
H29	57 (RHD)	H41	57 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5S		
6E	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HB2	72 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
IH2	72 (RHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)

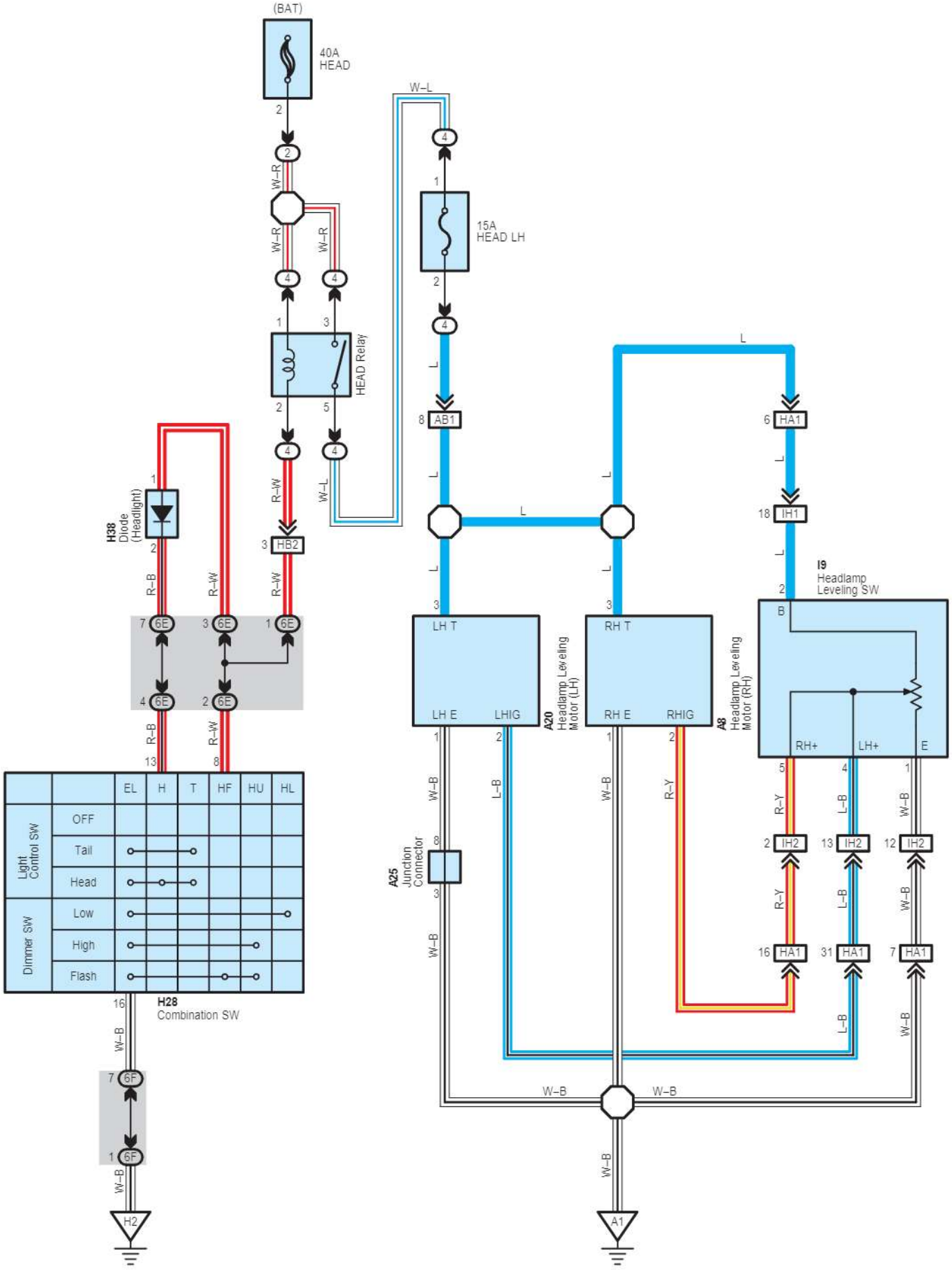
: Ground Points

Code	See Page	Ground Points Location
B3	68 (*4)	Front Floor Panel Left
H1	72 (RHD)	Instrument Panel Reinforcement
H2		

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Parts Location

Code	See Page	Code	See Page	Code	See Page
A8	48 (LHD)	A25	48 (LHD)	H38	49 (LHD)
A20	48 (LHD)	H28	49 (LHD)	I9	48 (LHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
6E	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
6F		

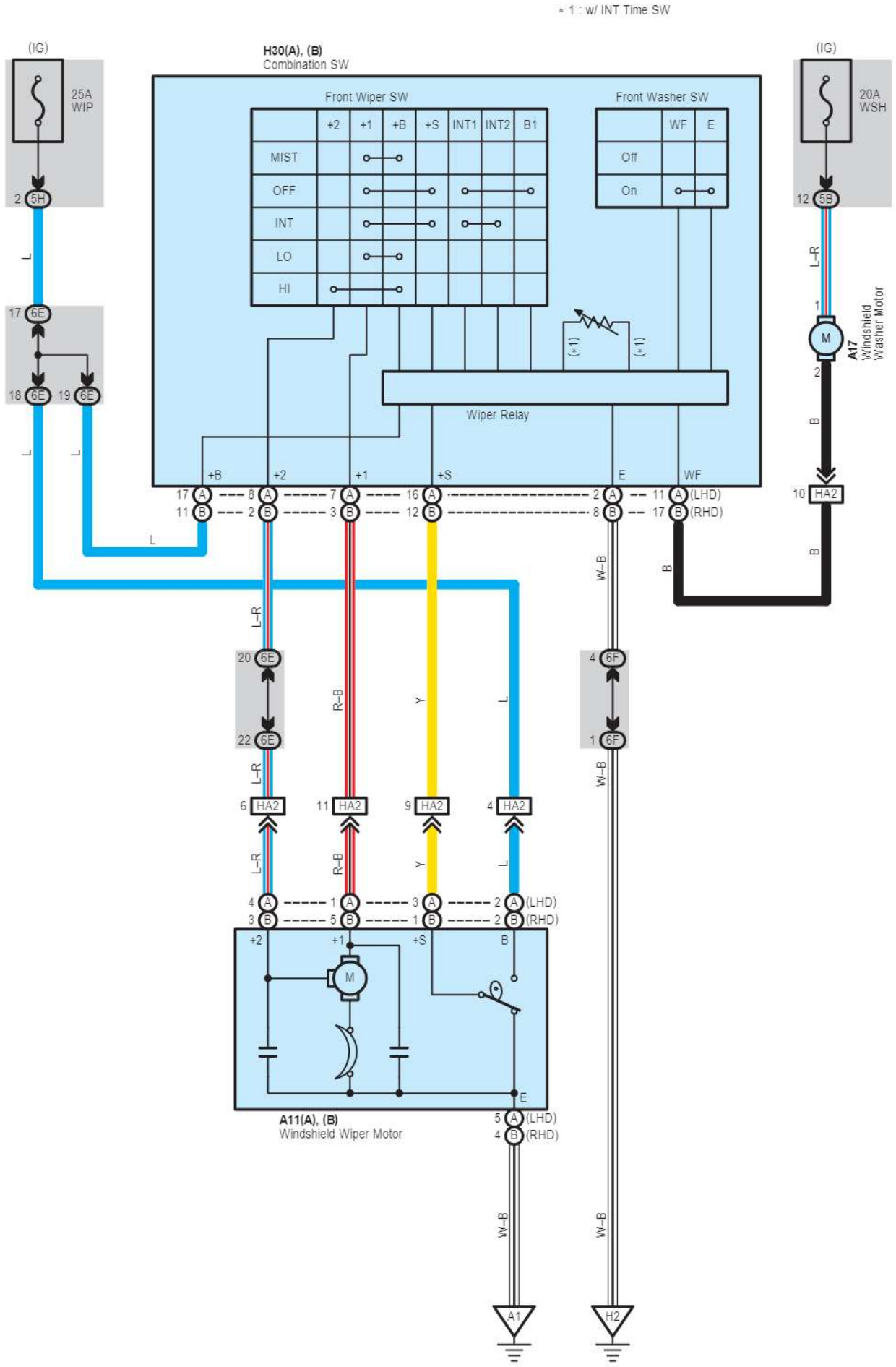
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
HB2	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
IH1	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IH2		

: Ground Points

Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
H2	64 (LHD)	Instrument Panel Reinforcement

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System Outline

With the ignition SW turned on, the current flows to TERMINAL 17 (LHD), 11 (RHD) of the front wiper and washer SW and TERMINAL 2 of the windshield wiper motor through the WIP fuse and TERMINAL 1 of the windshield washer motor through the WSH fuse.

1. Low Speed Position

With the front wiper SW turned to LO position, the current flows from TERMINAL 17 (LHD), 11 (RHD) of the front wiper and washer SW to TERMINAL 7 (LHD), 3 (RHD) to TERMINAL 1 (LHD), 5 (RHD) of the windshield wiper motor to TERMINAL 5 (LHD), 4 (RHD) to GROUND and causes the windshield wiper motor to run at low speed.

2. High Speed Position

With the front wiper SW turned to HI position, the current flows from TERMINAL 17 (LHD), 11 (RHD) of the front wiper and washer SW to TERMINAL 8 (LHD), 1 (RHD) to TERMINAL 4 (LHD), 3 (RHD) of the windshield wiper motor to TERMINAL 5 (LHD), 4 (RHD) to GROUND and causes the windshield wiper motor to run at high speed.

3. INT Position

With the front wiper SW turned to INT position, the wiper relay operates and current flows from TERMINAL 17 (LHD), 11 (RHD) of the front wiper and washer SW to TERMINAL 2 (LHD), 8 (RHD) to GROUND. This activates the intermittent circuit and the current flows from TERMINAL 17 (LHD), 11 (RHD) of the front wiper and washer SW to TERMINAL 7 (LHD), 3 (RHD) to TERMINAL 1 (LHD), 5 (RHD) of the windshield wiper motor to TERMINAL 5 (LHD), 4 (RHD) to GROUND and the wiper operates.

The intermittent operation is controlled by the charge/discharge function of the condenser installed in the relay, and the intermittent time is controlled by a time control SW to change the charging time of the condenser (w/ INT time SW).

Intermittent operation is controlled by a condenser charge and discharge function in the relay (w/o INT time SW).

4. Mist Position

With the front wiper SW turned to MIST position, the current flows from TERMINAL 17 (LHD), 11 (RHD) of the front wiper and washer SW to TERMINAL 7 (LHD), 3 (RHD) to TERMINAL 1 (LHD), 5 (RHD) of the windshield wiper motor to TERMINAL 5 (LHD), 4 (RHD) to GROUND and causes the windshield wiper motor to run at low speed.

5. Washer Interlocking Operation

With the washer SW pulled to ON position, the current flows from the WSH fuse to TERMINAL 1 of the windshield washer motor to TERMINAL 2 to TERMINAL 11 (LHD), 17 (RHD) of the front wiper and washer SW to TERMINAL 2 (LHD), 8 (RHD) to GROUND and causes the windshield washer motor to run and the window washer to spray. Simultaneously, current flows from the WIP fuse to TERMINAL 17 (LHD), 11 (RHD) of the front wiper and washer SW to TERMINAL 7 (LHD), 3 (RHD) to TERMINAL 1 (LHD), 5 (RHD) of the windshield wiper motor to TERMINAL 5 (LHD), 4 (RHD) to GROUND, causing the wiper to function.

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
A11	A	48 (LHD)	A17	48 (LHD)	H30	A	49 (LHD)
	B	56 (RHD)		56 (RHD)		B	57 (RHD)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
6E	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HA2	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	

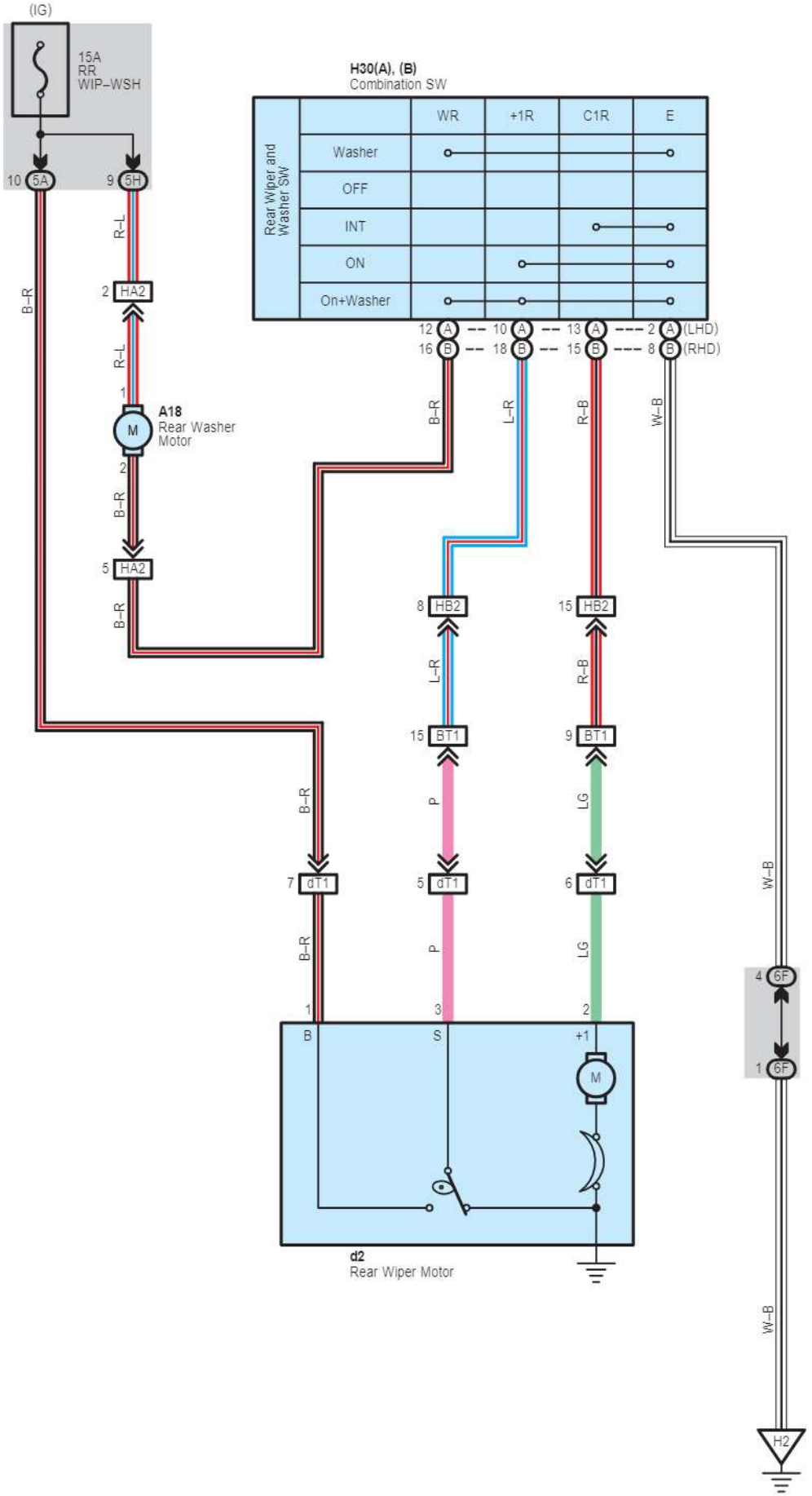
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▽ : **Ground Points**

Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

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System Outline

When the ignition SW is turned on, current flows to TERMINAL 1 of the rear washer motor, TERMINAL 1 of the rear wiper motor through the RR WIP–WSH fuse.

1. Rear Wiper Normal Operation

With the ignition SW turned on and rear wiper and washer SW turned to ON position, current flows to TERMINAL 1 of the rear wiper motor to TERMINAL 10 (LHD), 18 (RHD) of the rear wiper and washer SW to TERMINAL 2 (LHD), 8 (RHD) to GROUND. Causing the rear wiper motor operated.

2. Washer Operation

With the ignition SW turned on and the rear wiper and washer SW turned to ON position, when the wiper SW is turned further (ON+ washer position), current flows to TERMINAL 1 of the rear washer motor to TERMINAL 2 to TERMINAL 12 (LHD), 16 (RHD) of the rear wiper and washer SW to TERMINAL 2 (LHD), 8 (RHD) to GROUND so that the rear washer motor rotates and the window washer emits a water, only while the switch is fully turned.
When the wiper SW is off and then turned to washer position (Wiper off side), only the washer operates.

○ : Parts Location

Code	See Page	Code		See Page	Code	See Page
A18	48 (LHD)	H30	A	49 (LHD)	d2	51 (LHD)
	56 (RHD)		B	57 (RHD)		59 (RHD)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

▭ : Connector Joining Wire Harness and Wire Harness

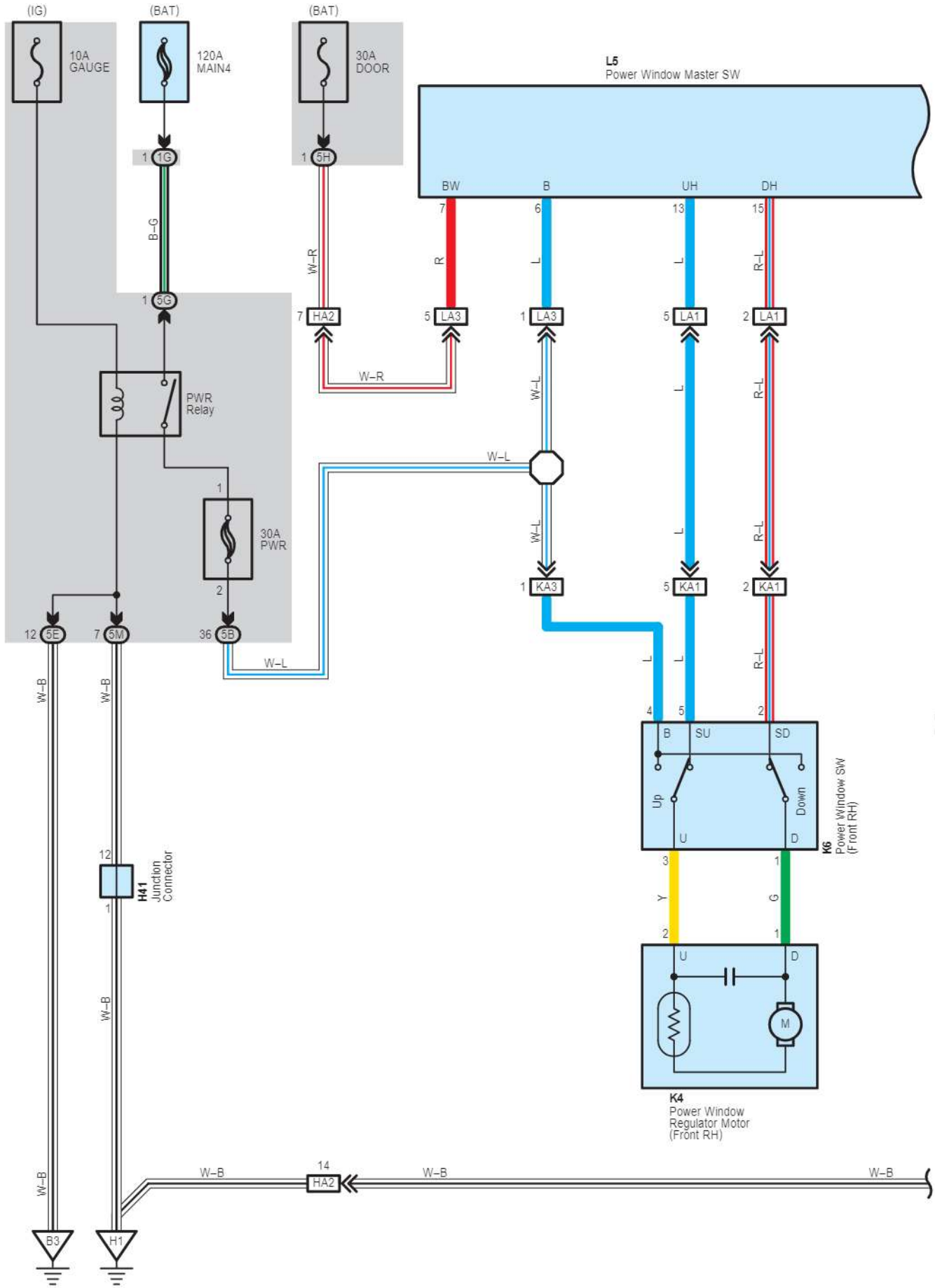
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BT1	64 (LHD)	Engine Room Main Wire and Roof Wire (Cowl Side Panel LH)
	72 (RHD)	
HA2	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
dT1	66 (LHD)	Back Door No.3 Wire and Roof Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	

▽ : Ground Points

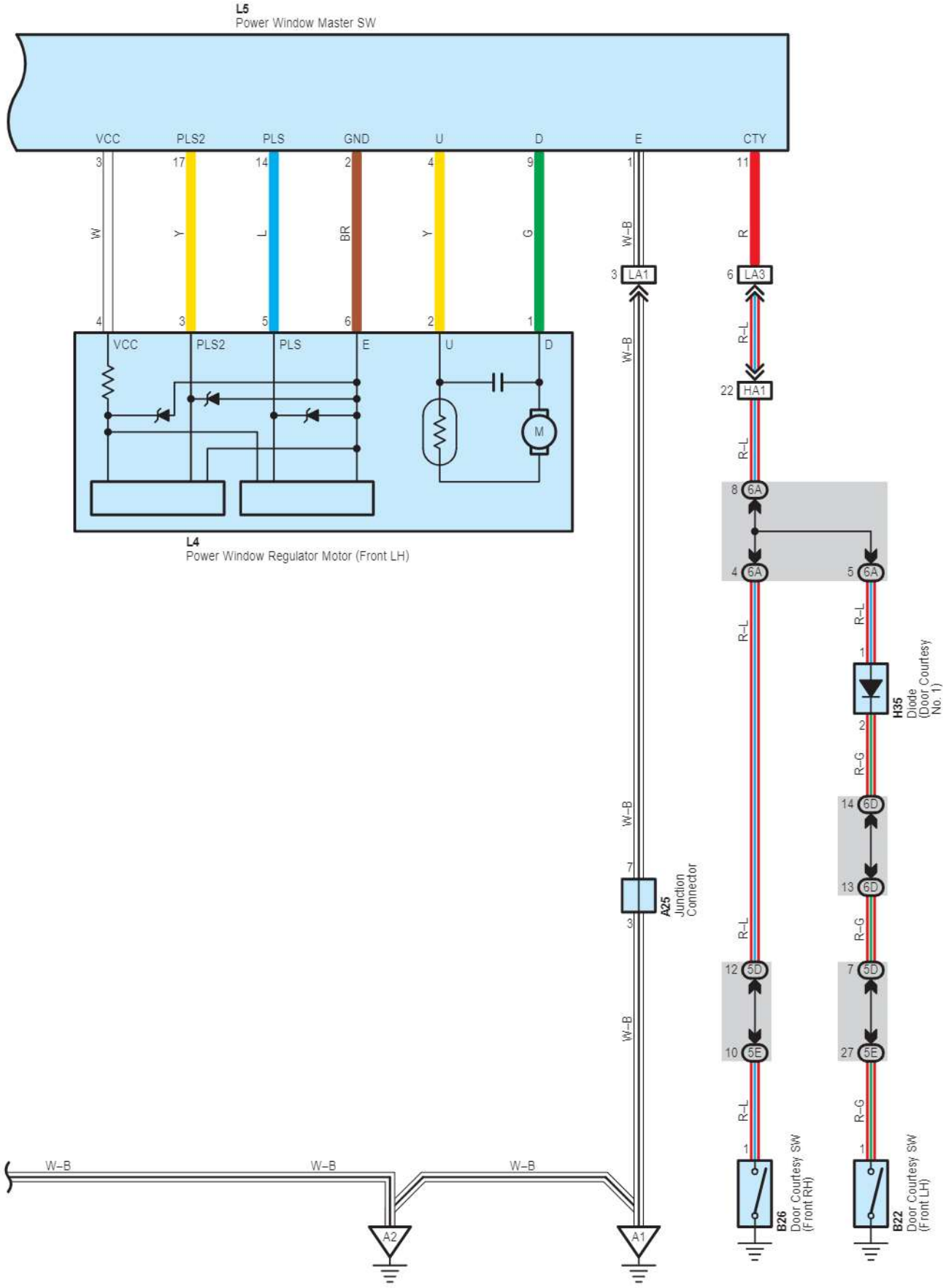
Code	See Page	Ground Points Location
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

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Power Window (LHD)



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Power Window (LHD)

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.
When the window lock SW is pushed to the lock side, the ground circuit to the passenger's window becomes open. As a result, even if Open/Close operation of the passenger's window is attempted, the current from TERMINAL E of the power window master SW is not grounded and the motor does not rotate, so the passenger's window can not be operated and window lock occurs.

2. Auto Down or Up Operation (Driver's Window)

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.

3. Jam Protection Function (Driver's Window)

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

4. Stopping of Auto Down or Up Operation (Driver's Window)

Auto operation can be stopped in mid–course with switching power window master SW one step downward during the up operation and upward during the down operation.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A25	48 (LHD)	H35	49 (LHD)	K6	50 (LHD)
B22	50 (LHD)	H41	49 (LHD)	L4	50 (LHD)
B26	50 (LHD)	K4	50 (LHD)	L5	50 (LHD)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
6A	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
6D		

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
HA2		
KA1	65 (LHD)	Front Door RH Wire and Cowl to Head Lamp Wire (Right Kick Panel)
KA3		
LA1	65 (LHD)	Front Door LH Wire and Cowl to Head Lamp Wire (Left Kick Panel)
LA3		

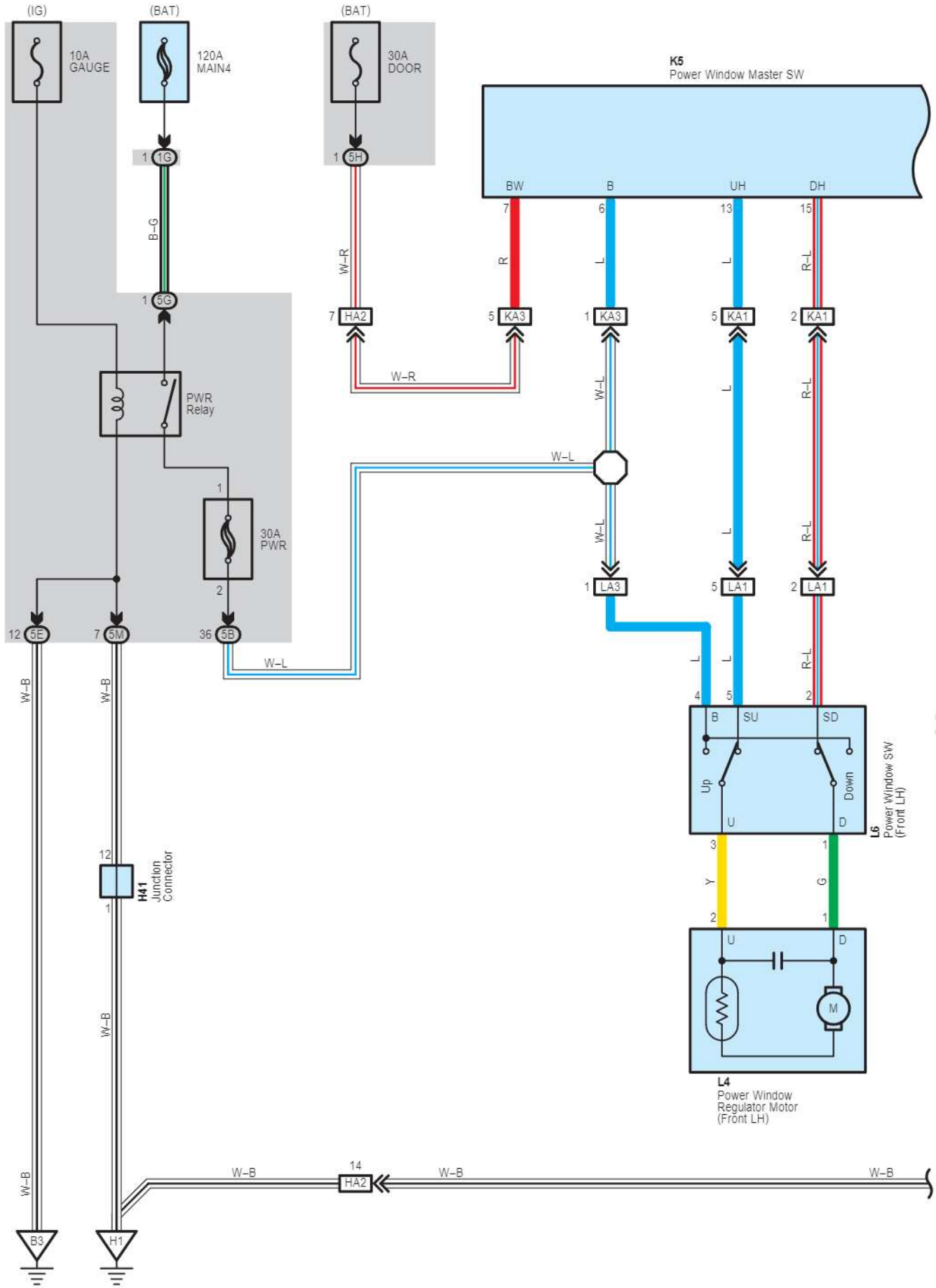
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▽ : **Ground Points**

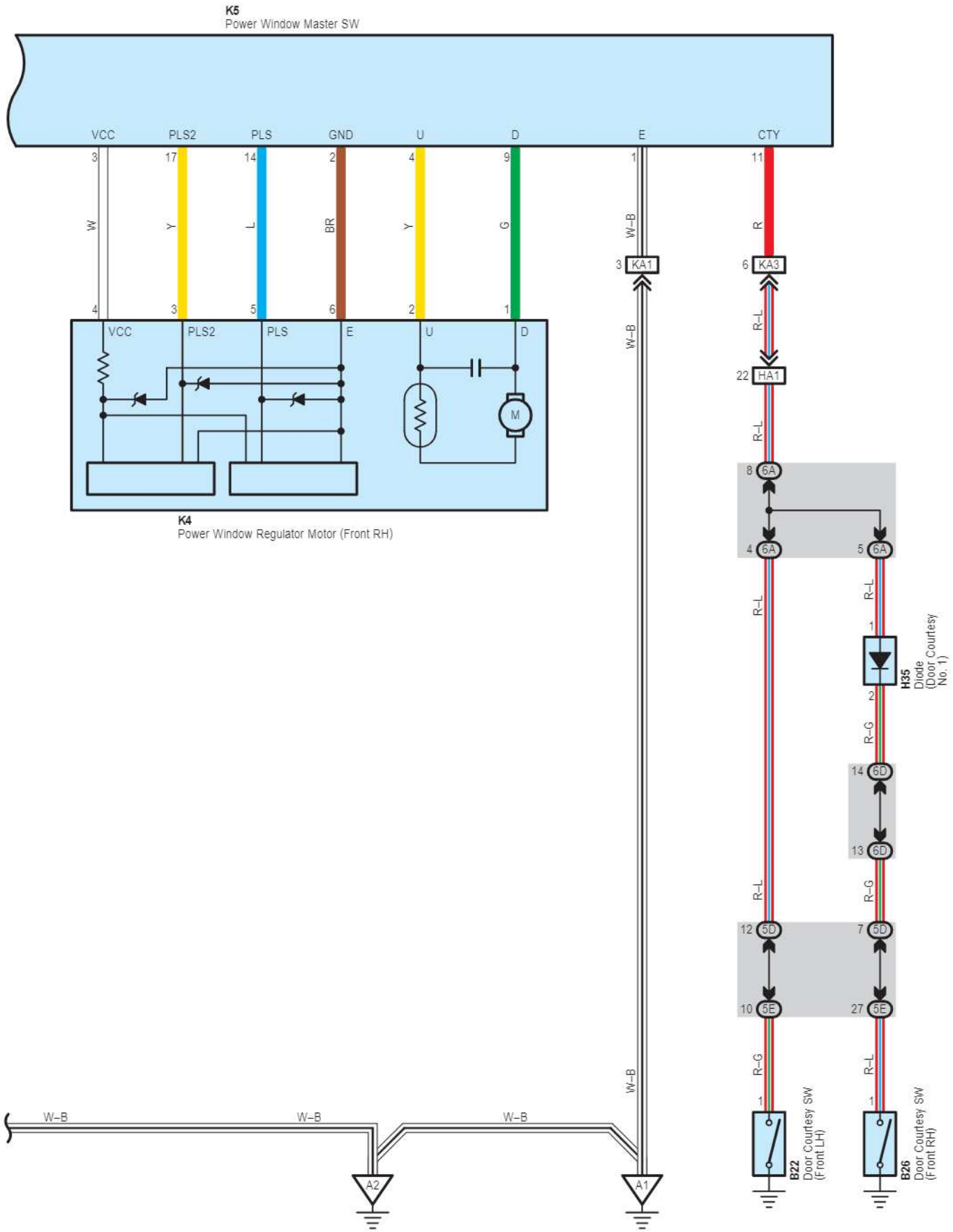
Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
A2	64 (LHD)	Dash Panel Left
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
H1	64 (LHD)	Instrument Panel Reinforcement

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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Power Window (RHD)

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.
When the window lock SW is pushed to the lock side, the ground circuit to the passenger's window becomes open. As a result, even if Open/Close operation of the passenger's window is attempted, the current from TERMINAL E of the power window master SW is not grounded and the motor does not rotate, so the passenger's window can not be operated and window lock occurs.

2. Auto Down or Up Operation (Driver's Window)

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.

3. Jam Protection Function (Driver's Window)

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

4. Stopping of Auto Down or Up Operation (Driver's Window)

Auto operation can be stopped in mid–course with switching power window master SW one step downward during the up operation and upward during the down operation.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B22	58 (RHD)	H41	57 (RHD)	L4	58 (RHD)
B26	58 (RHD)	K4	58 (RHD)	L6	58 (RHD)
H35	57 (RHD)	K5	58 (RHD)		

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
6A	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6D		

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HA1	72 (RHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
HA2		
KA1	73 (RHD)	Front Door RH Wire and Cowl to Head Lamp Wire (Right Kick Panel)
KA3		
LA1	73 (RHD)	Front Door LH Wire and Cowl to Head Lamp Wire (Left Kick Panel)
LA3		

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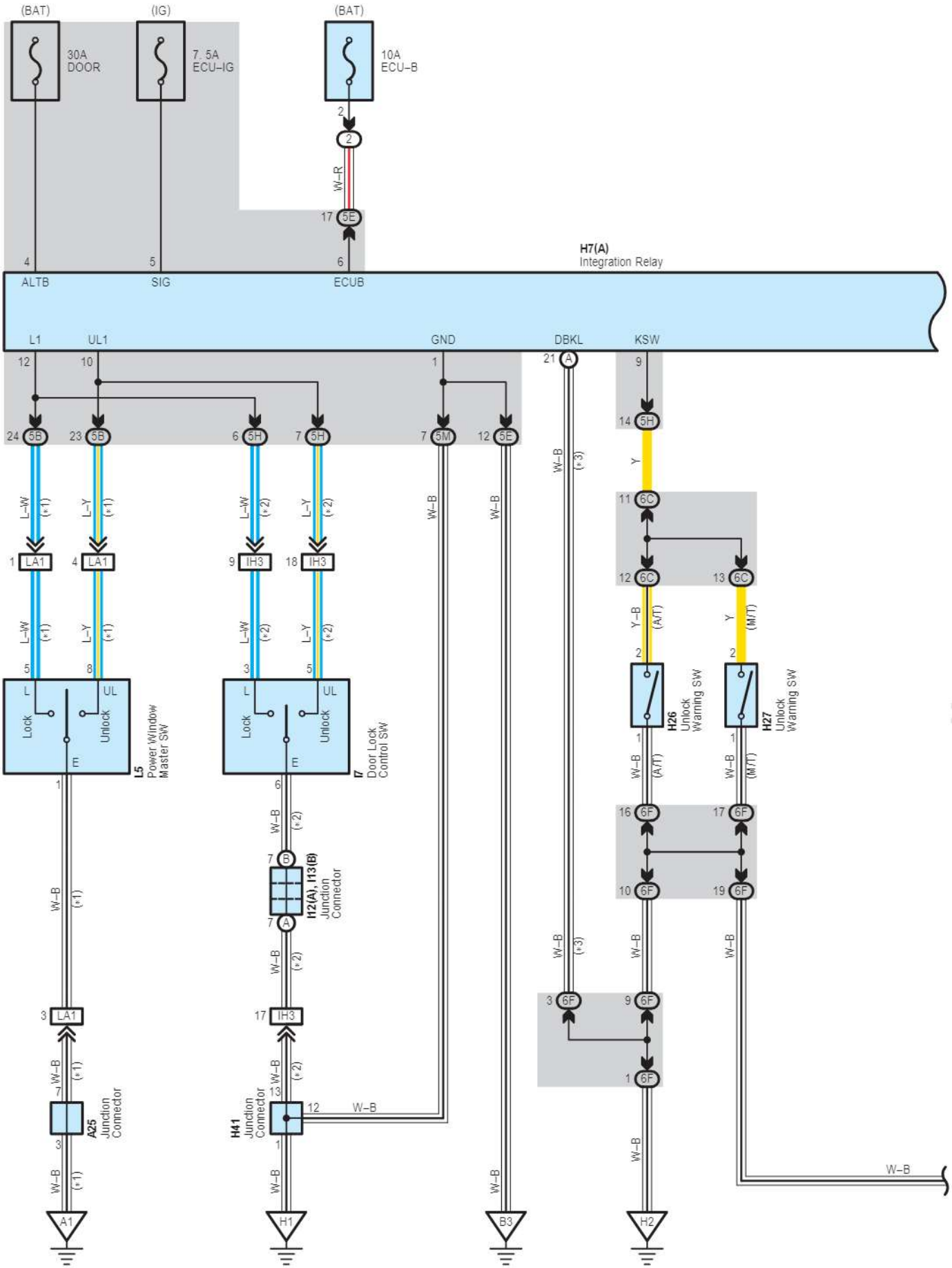
▽ : **Ground Points**

Code	See Page	Ground Points Location
A1	72 (RHD)	Dash Panel Right
A2	72 (RHD)	Dash Panel Left
B3	68 (*4)	Front Floor Panel Left
	69 (*5)	
	70 (*6)	
H1	72 (RHD)	Instrument Panel Reinforcement

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

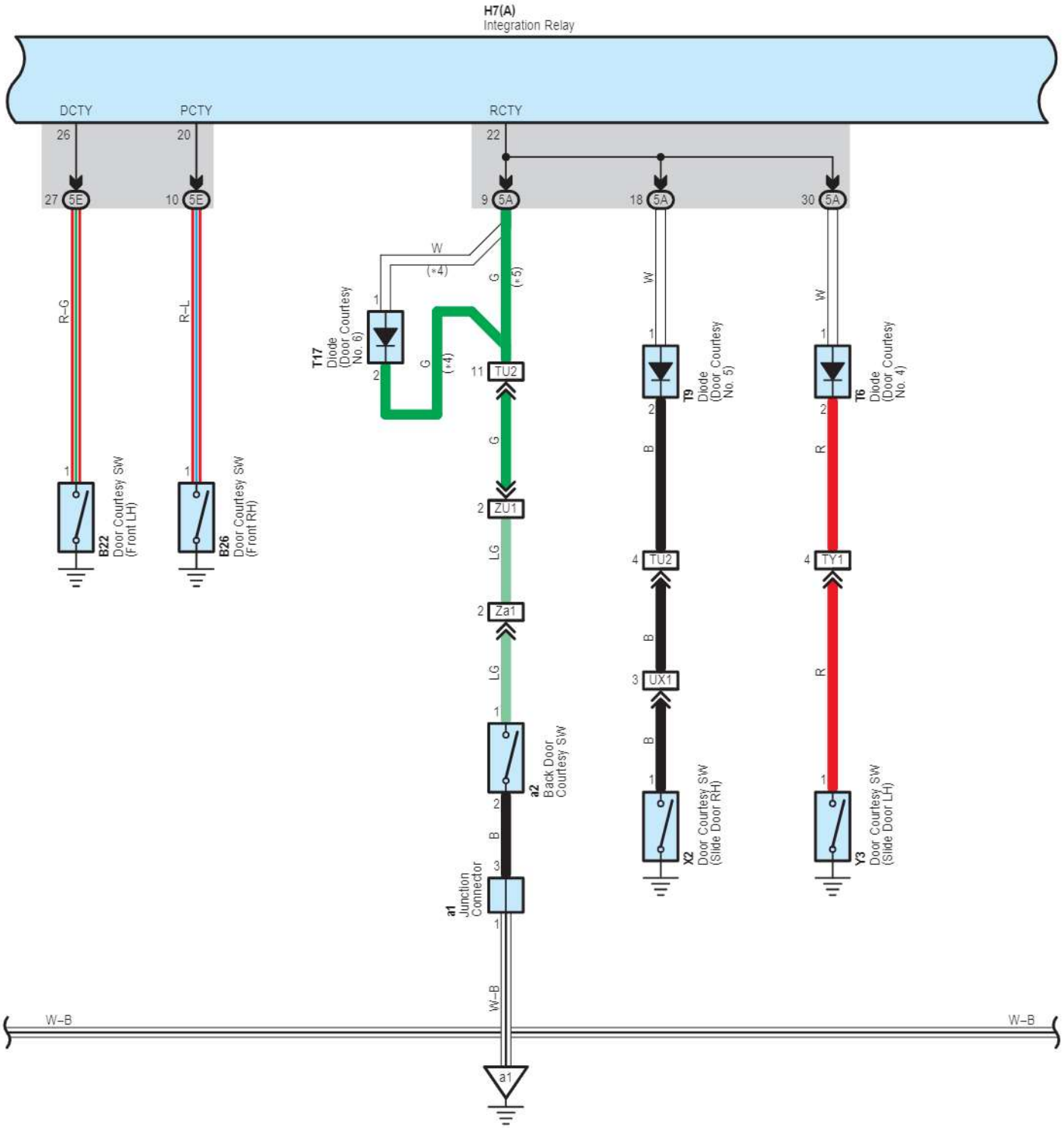
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Door Lock Control (LHD)



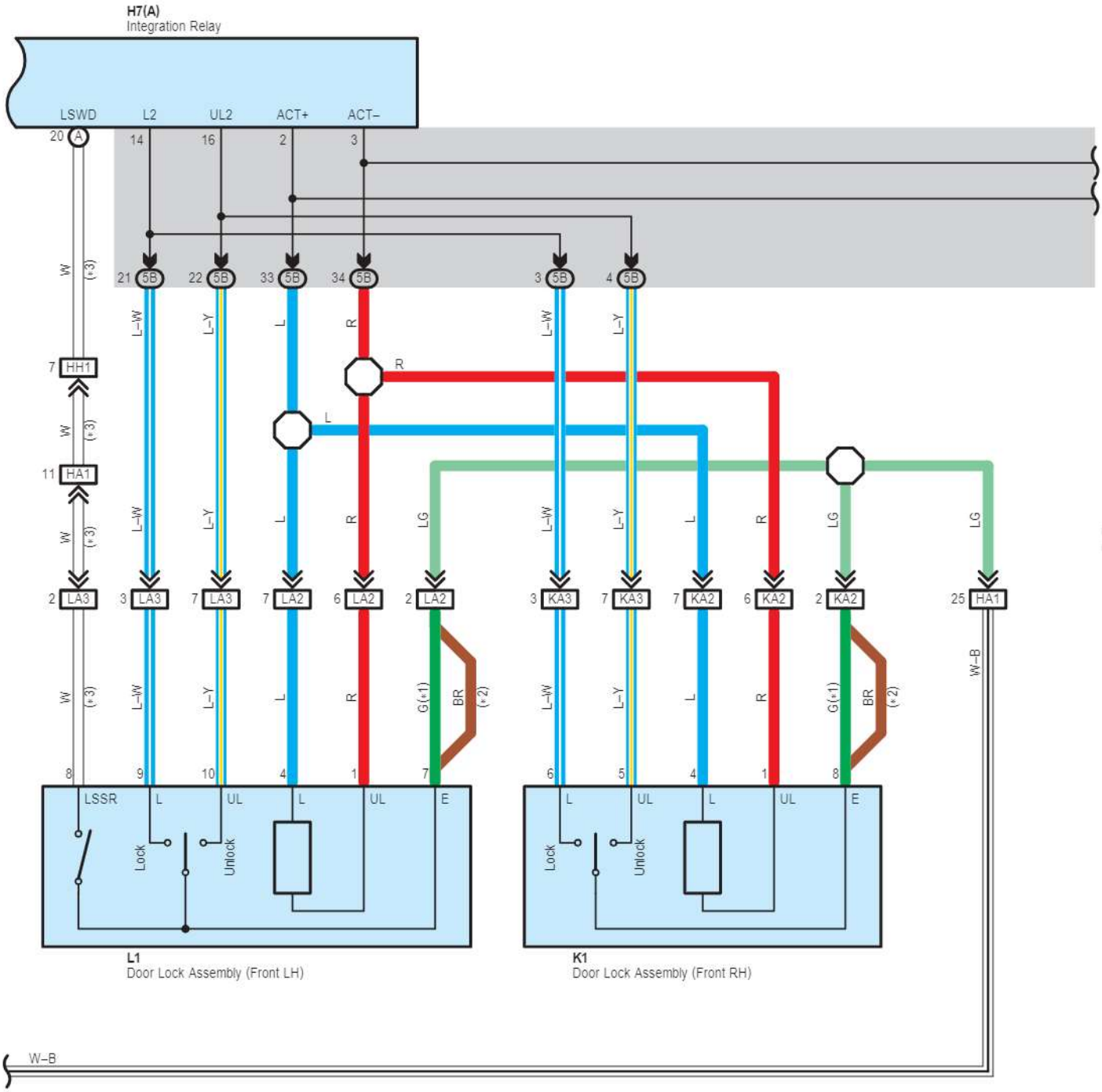
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* 1 : w/ Power Window
* 2 : w/o Power Window
* 3 : w/ Wireless Door Lock Control
* 4 : 6 Speaker
* 5 : Except *4



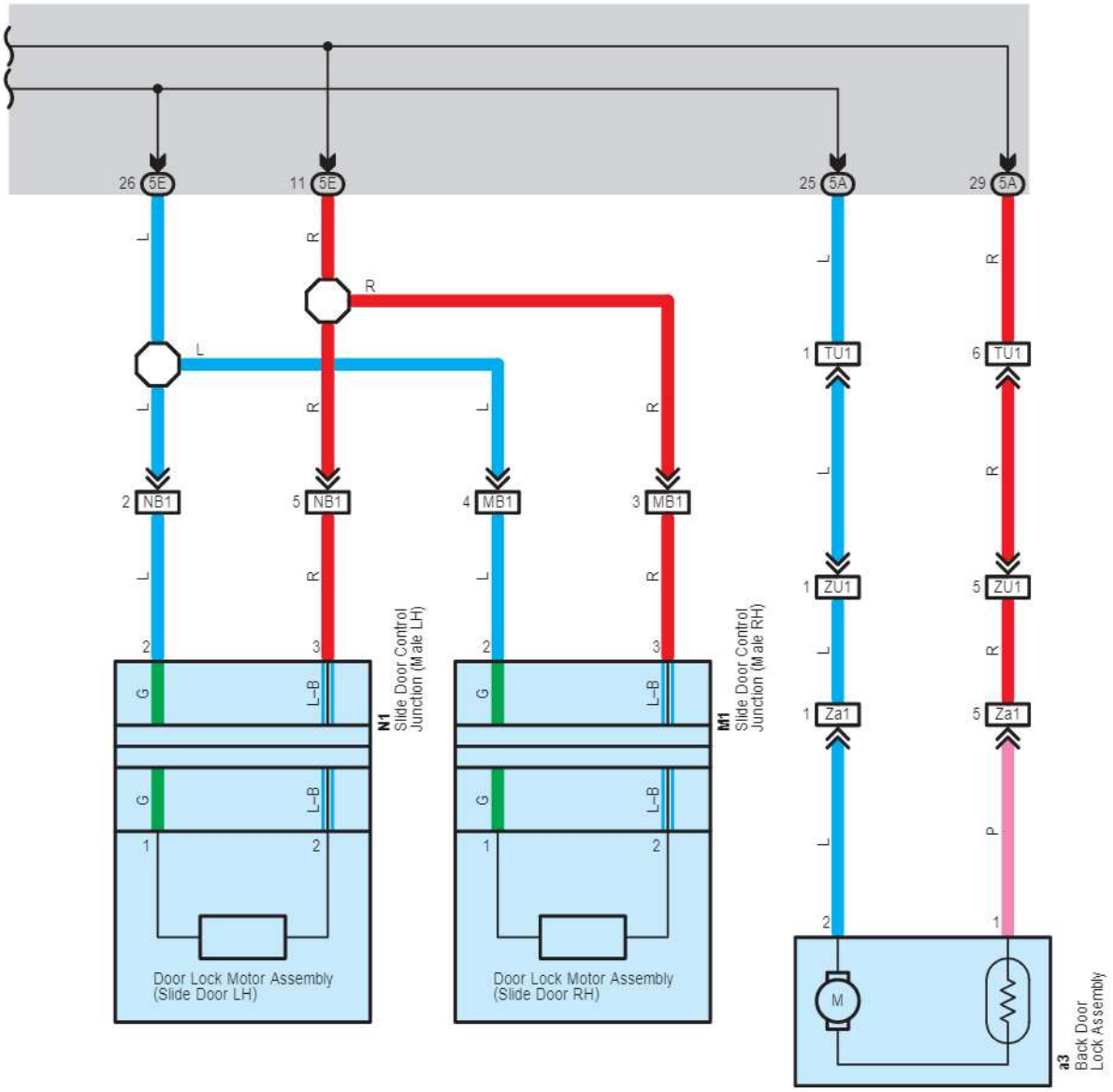
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Door Lock Control (LHD)



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* 1 : w/ Power Window
* 2 : w/o Power Window
* 3 : w/ Wireless Door Lock Control



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Door Lock Control (LHD)

System Outline

1. Manual Lock Operation

When the door lock control SW or driver's side door key lock and unlock SW are operated to LOCK position, a lock signal is input to TERMINAL 14 of the integration relay and causes the integration relay to function. The current flows from TERMINAL 4 of the integration relay to TERMINAL 2 to the door lock motors to TERMINAL 3 of the integration relay to TERMINAL 1 to GROUND and the door lock motors locks the door.

2. Manual Unlock Operation

When the door lock control SW or driver's side door key lock and unlock SW are operated to UNLOCK position, an unlock signal is input to TERMINAL 16 of the integration relay and causes the integration relay to function. The current flows from TERMINAL 4 of the integration relay to TERMINAL 3 to the door lock motors to TERMINAL 2 of the integration relay to TERMINAL 1 to GROUND and the door lock motors unlocks the door.

3. Ignition Key Reminder Operation

The doors can not be locked unless the key is removed from the ignition key cylinder.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A25	48 (LHD)	I12 A	48 (LHD)	T9	50 (LHD)
B22	50 (LHD)	I13 B	48 (LHD)	T17	50 (LHD)
B26	50 (LHD)	K1	50 (LHD)	X2	51 (LHD)
H7 A	49 (LHD)	L1	50 (LHD)	Y3	51 (LHD)
H26	49 (LHD)	L5	50 (LHD)	a1	51 (LHD)
H27	49 (LHD)	M1	50 (LHD)	a2	51 (LHD)
H41	49 (LHD)	N1	50 (LHD)	a3	51 (LHD)
I7	48 (LHD)	T6	50 (LHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
6F		

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
KA2	65 (LHD)	Front Door RH Wire and Cowl to Head Lamp Wire (Right Kick Panel)
KA3		
LA1	65 (LHD)	Front Door LH Wire and Cowl to Head Lamp Wire (Left Kick Panel)
LA2		
LA3		
MB1	60 (*1)	Pillar No.1 Wire and Engine Room Main Wire (RH Side Battery Room)
	61 (*2)	
	62 (*3)	
NB1	60 (*1)	Pillar No.2 Wire and Engine Room Main Wire (LH Side Battery Room)
	61 (*2)	
	62 (*3)	
TU1	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
TU2		
TY1	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
UX1	66 (LHD)	Roof No.2 Wire and Luggage Room No.2 Wire (Right Quarter Panel)
ZU1	66 (LHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
Za1	66 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)

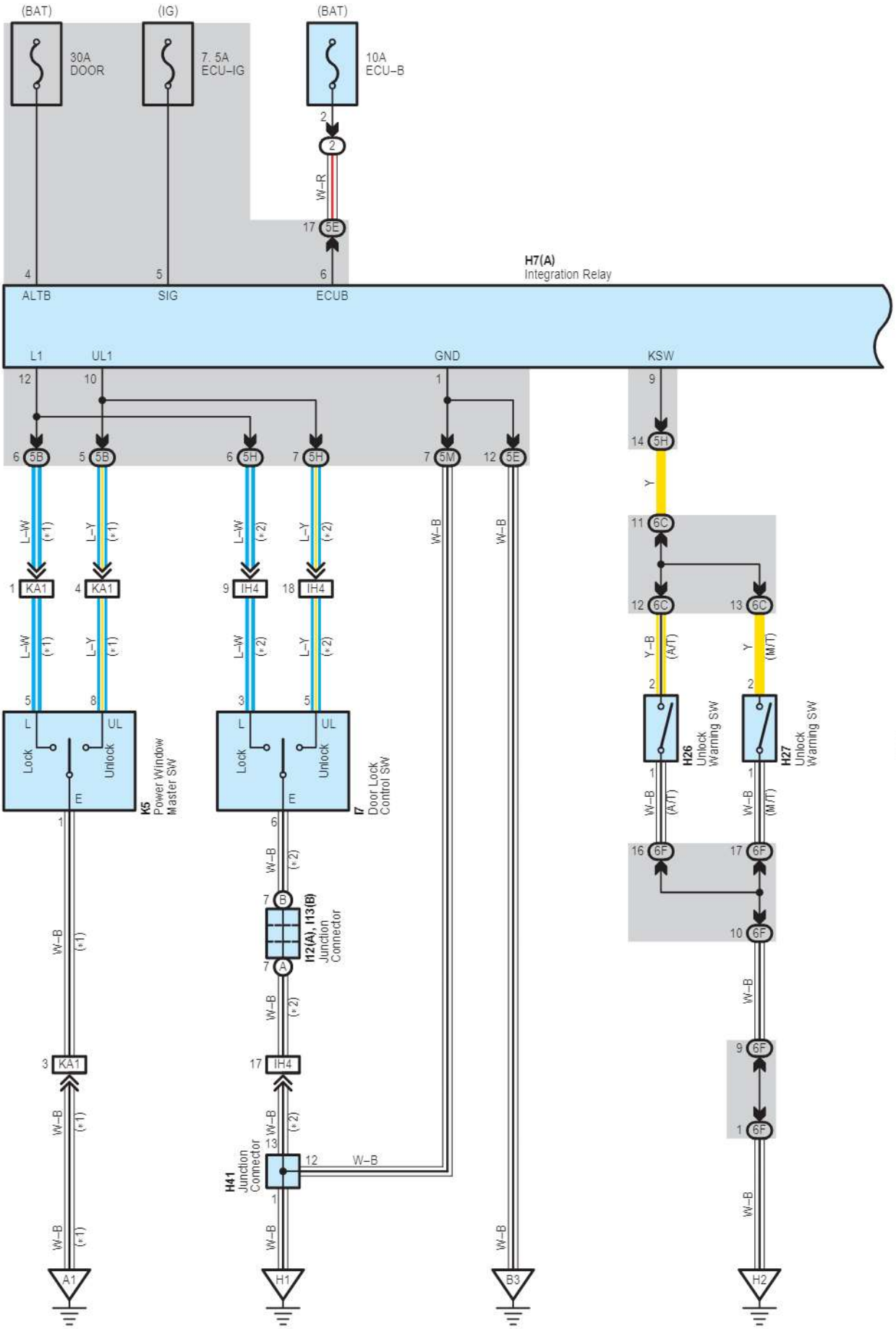
: Ground Points

Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
H1	64 (LHD)	Instrument Panel Reinforcement
H2		
a1	66 (LHD)	Back Door Right

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

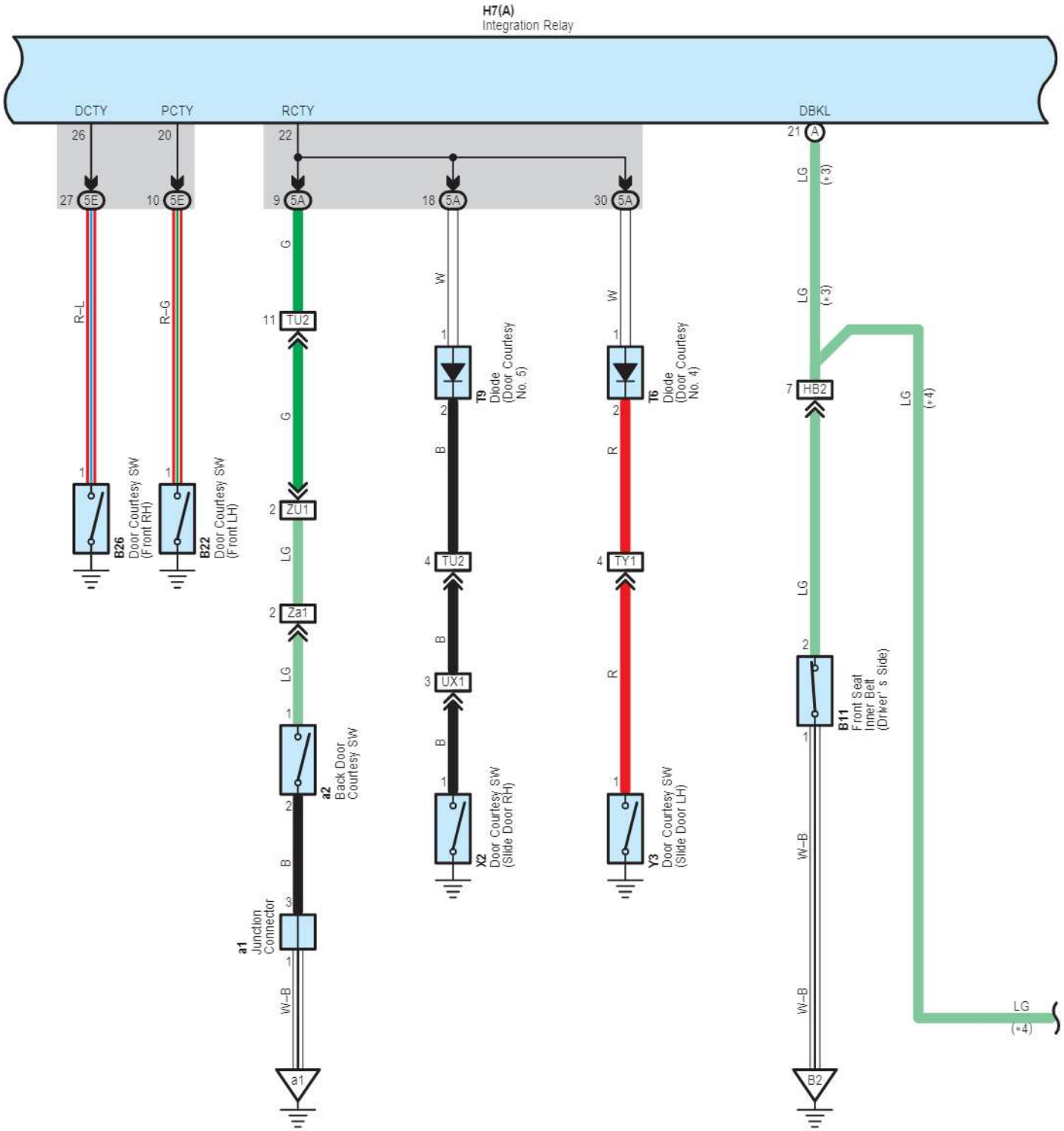
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Door Lock Control (RHD)



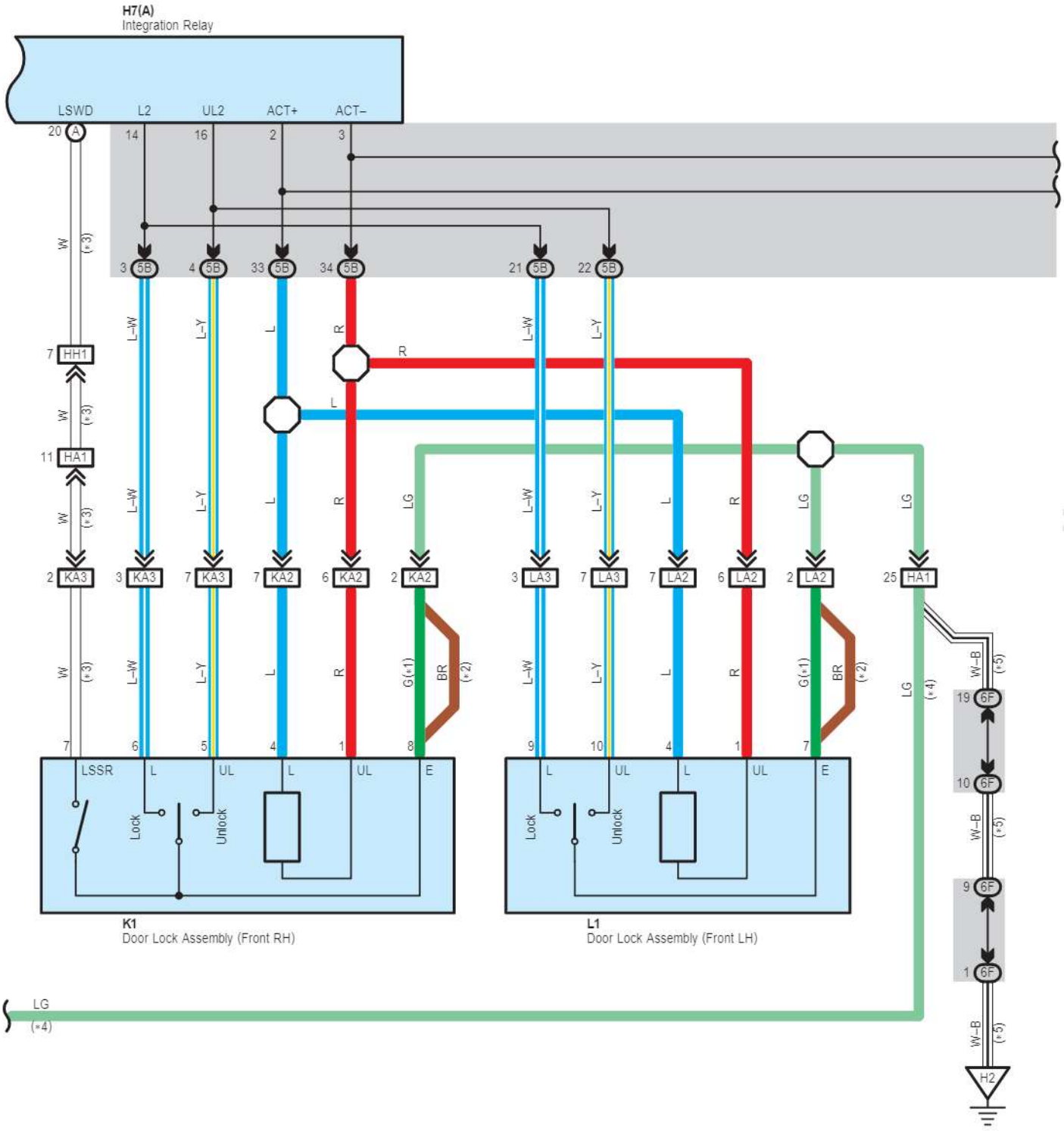
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* 1 : w/ Power Window
* 2 : w/o Power Window
* 3 : w/ Wireless Door Lock Control
* 4 : 2TR–FE w/o Wireless Door Lock Control, 2KD–FTV w/o Wireless Door Lock Control



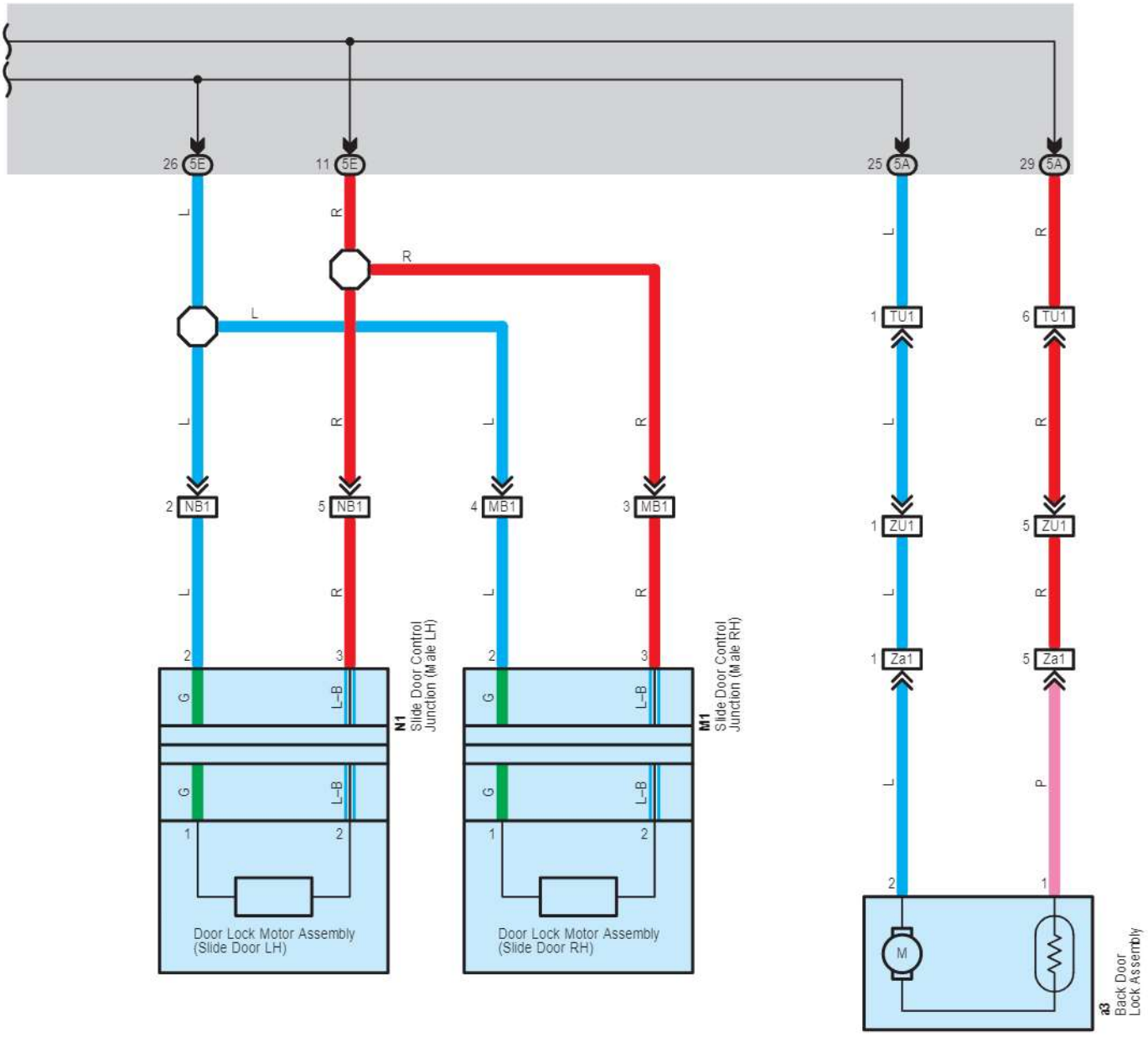
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Door Lock Control (RHD)



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* 1 : w/ Power Window
* 2 : w/o Power Window
* 3 : w/ Wireless Door Lock Control
* 4 : 2TR–FE w/o Wireless Door Lock Control, 2KD–FTV w/o Wireless Door Lock Control
* 5 : 5L–E, 2TR–FE *3, 2KD–FTV *3



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Door Lock Control (RHD)

System Outline

1. Manual Lock Operation

When the door lock control SW or driver's side door key lock and unlock SW are operated to LOCK position, a lock signal is input to TERMINAL 14 of the integration relay and causes the integration relay to function. The current flows from TERMINAL 4 of the integration relay to TERMINAL 2 to the door lock motors to TERMINAL 3 of the integration relay to TERMINAL 1 to GROUND and the door lock motors locks the door.

2. Manual Unlock Operation

When the door lock control SW or driver's side door key lock and unlock SW are operated to UNLOCK position, an unlock signal is input to TERMINAL 16 of the integration relay and causes the integration relay to function. The current flows from TERMINAL 4 of the integration relay to TERMINAL 3 to the door lock motors to TERMINAL 2 of the integration relay to TERMINAL 1 to GROUND and the door lock motors unlocks the door.

3. Ignition Key Reminder Operation

The doors can not be locked unless the key is removed from the ignition key cylinder.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B11	52 (*4)	I7	56 (RHD)	T6	58 (RHD)
	53 (*5)	I12 A	56 (RHD)	T9	58 (RHD)
B22	58 (RHD)	I13 B	56 (RHD)	X2	59 (RHD)
B26	58 (RHD)	K1	58 (RHD)	Y3	59 (RHD)
H7 A	57 (RHD)	K5	58 (RHD)	a1	59 (RHD)
H26	57 (RHD)	L1	58 (RHD)	a2	59 (RHD)
H27	57 (RHD)	M1	58 (RHD)	a3	59 (RHD)
H41	57 (RHD)	N1	58 (RHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
6C	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F		

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Connector Joining Wire Harness and Wire Harness

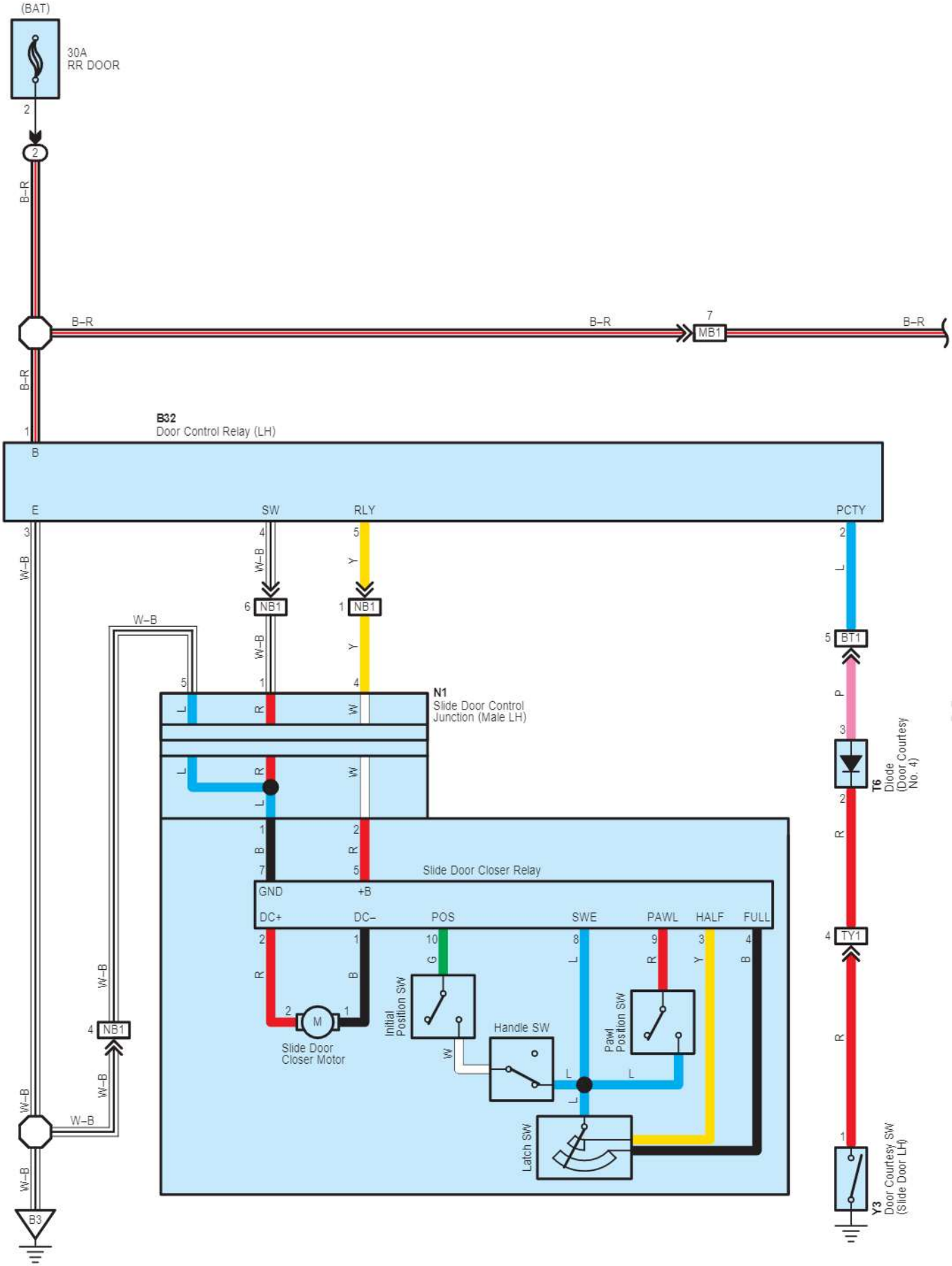
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HA1	72 (RHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
HB2	72 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
HH1	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH4	72 (RHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
KA1	73 (RHD)	Front Door RH Wire and Cowl to Head Lamp Wire (Right Kick Panel)
KA2		
KA3		
LA2	73 (RHD)	Front Door LH Wire and Cowl to Head Lamp Wire (Left Kick Panel)
LA3		
MB1	68 (*4)	Pillar No.1 Wire and Engine Room Main Wire (RH Side Battery Room)
	69 (*5)	
	70 (*6)	
NB1	68 (*4)	Pillar No.2 Wire and Engine Room Main Wire (LH Side Battery Room)
	69 (*5)	
	70 (*6)	
TU1	74 (RHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
TU2		
TY1	74 (RHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
UX1	74 (RHD)	Roof No.2 Wire and Luggage Room No.2 Wire (Right Quarter Panel)
ZU1	74 (RHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
Za1	74 (RHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)

: Ground Points

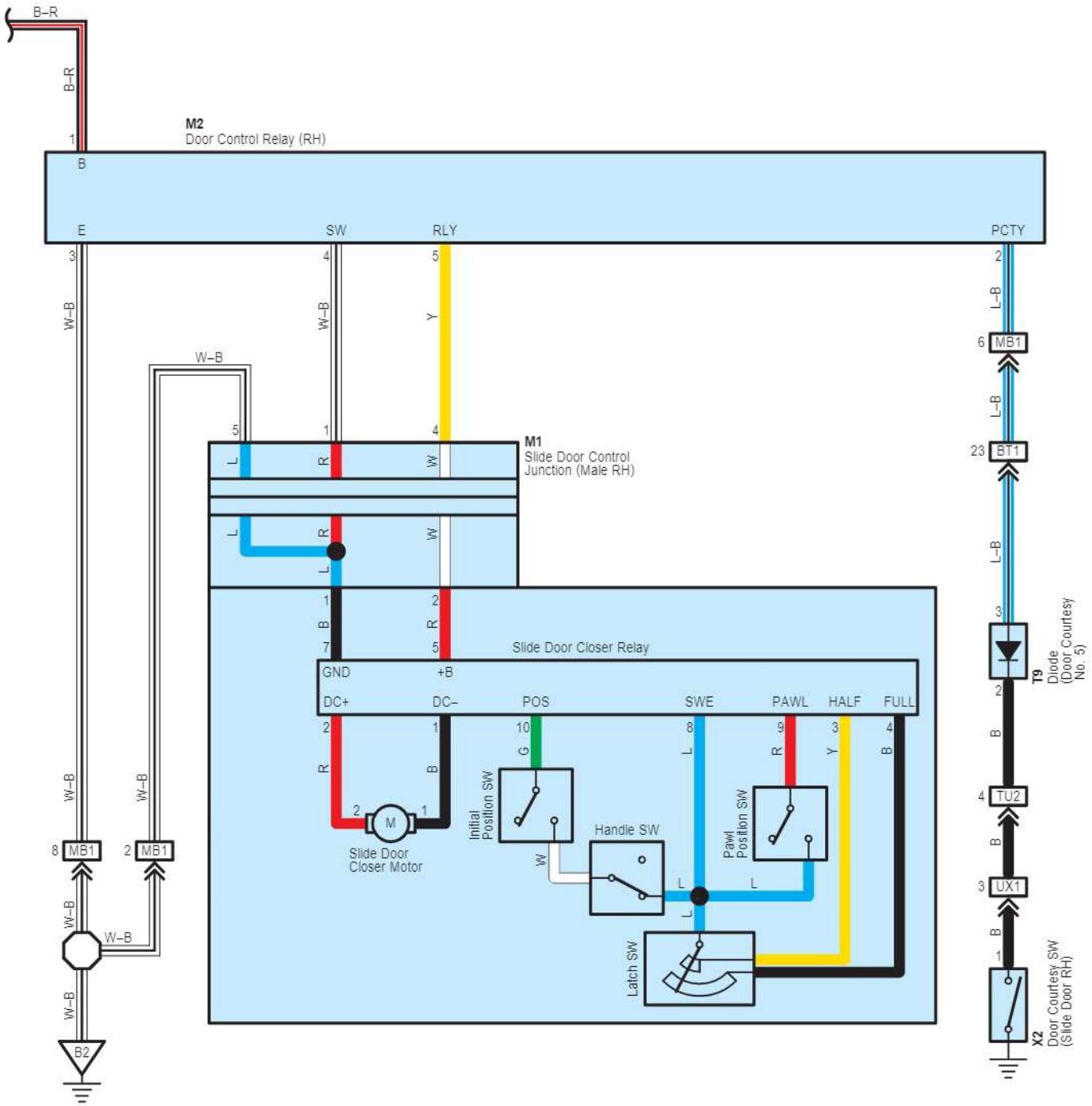
Code	See Page	Ground Points Location
A1	72 (RHD)	Dash Panel Right
B2	68 (*4)	Front Floor Panel Right
	69 (*5)	
	70 (*6)	
B3	68 (*4)	Front Floor Panel Left
	69 (*5)	
	70 (*6)	
H1	72 (RHD)	Instrument Panel Reinforcement
H2		
a1	74 (RHD)	Back Door Right

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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Door Closer

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B32	58 (RHD)	N1	58 (RHD)	X2	59 (RHD)
M1	58 (RHD)	T6	58 (RHD)	Y3	59 (RHD)
M2	58 (RHD)	T9	58 (RHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BT1	72 (RHD)	Engine Room Main Wire and Roof Wire (Cowl Side Panel LH)
MB1	68 (*4)	Pillar No.1 Wire and Engine Room Main Wire (RH Side Battery Room)
NB1	68 (*4)	Pillar No.2 Wire and Engine Room Main Wire (LH Side Battery Room)
TU2	74 (RHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
TY1	74 (RHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
UX1	74 (RHD)	Roof No.2 Wire and Luggage Room No.2 Wire (Right Quarter Panel)

▽ : Ground Points

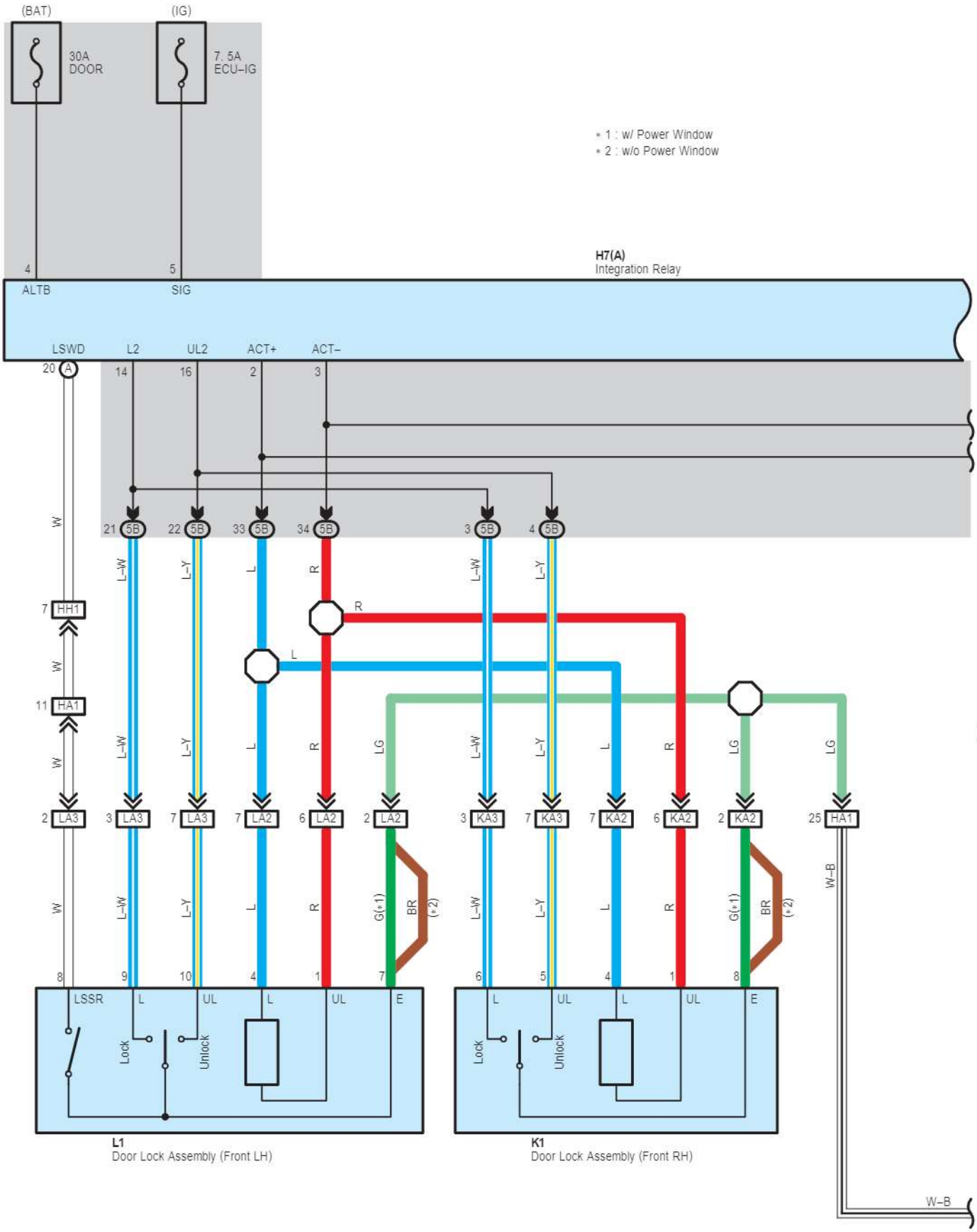
Code	See Page	Ground Points Location
B2	68 (*4)	Front Floor Panel Right
B3	68 (*4)	Front Floor Panel Left

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

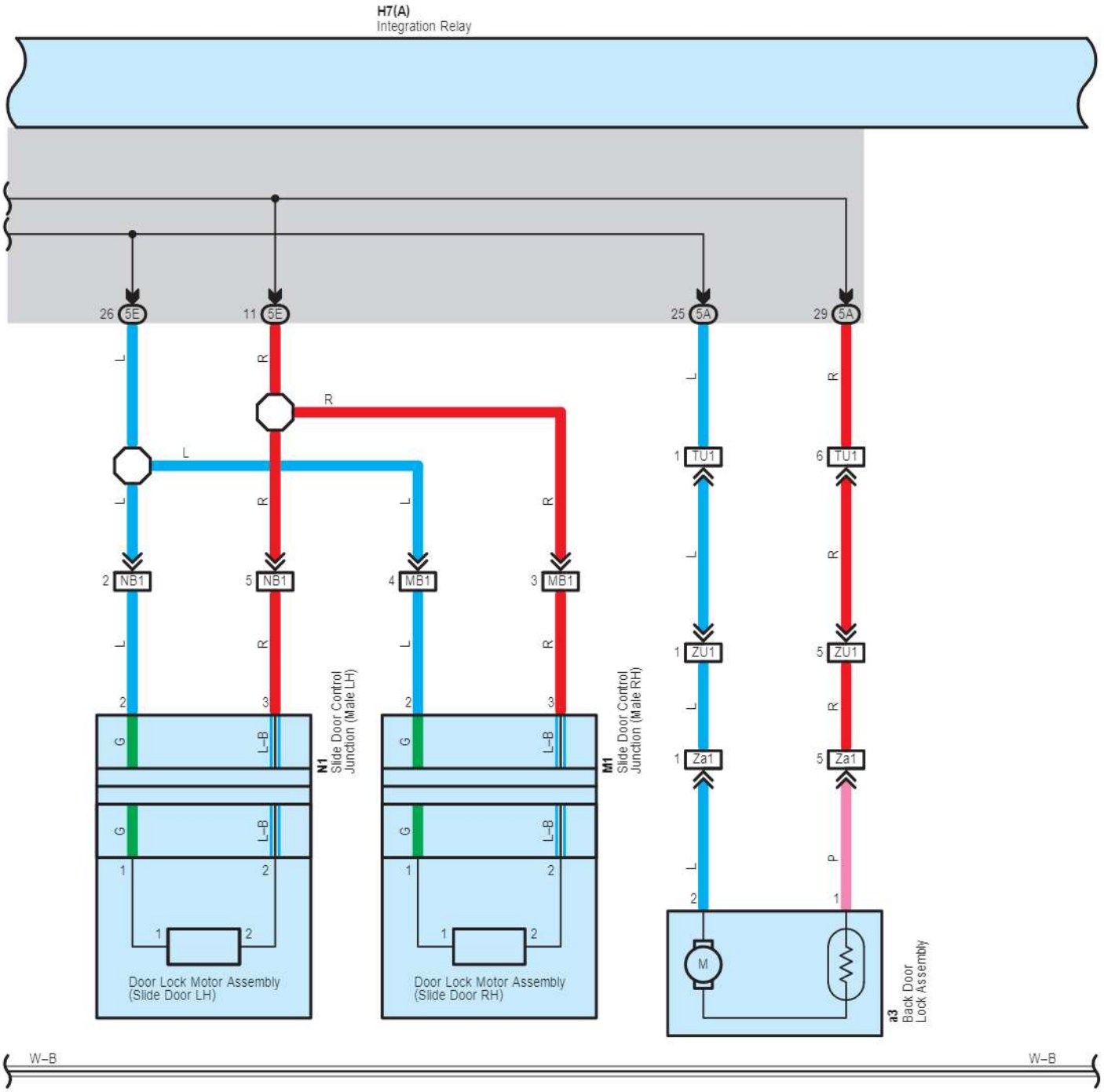
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Wireless Door Lock Control (LHD)

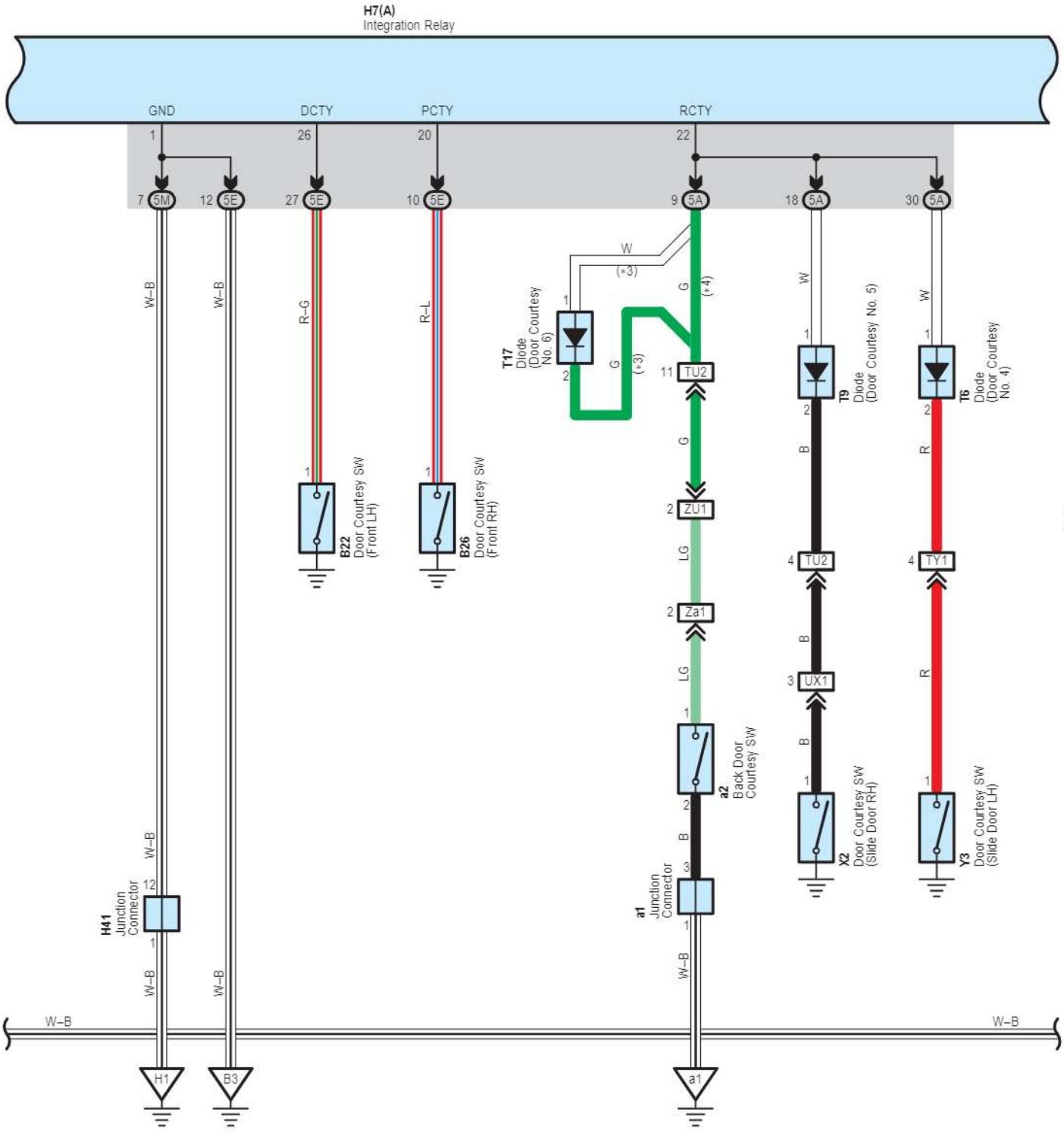


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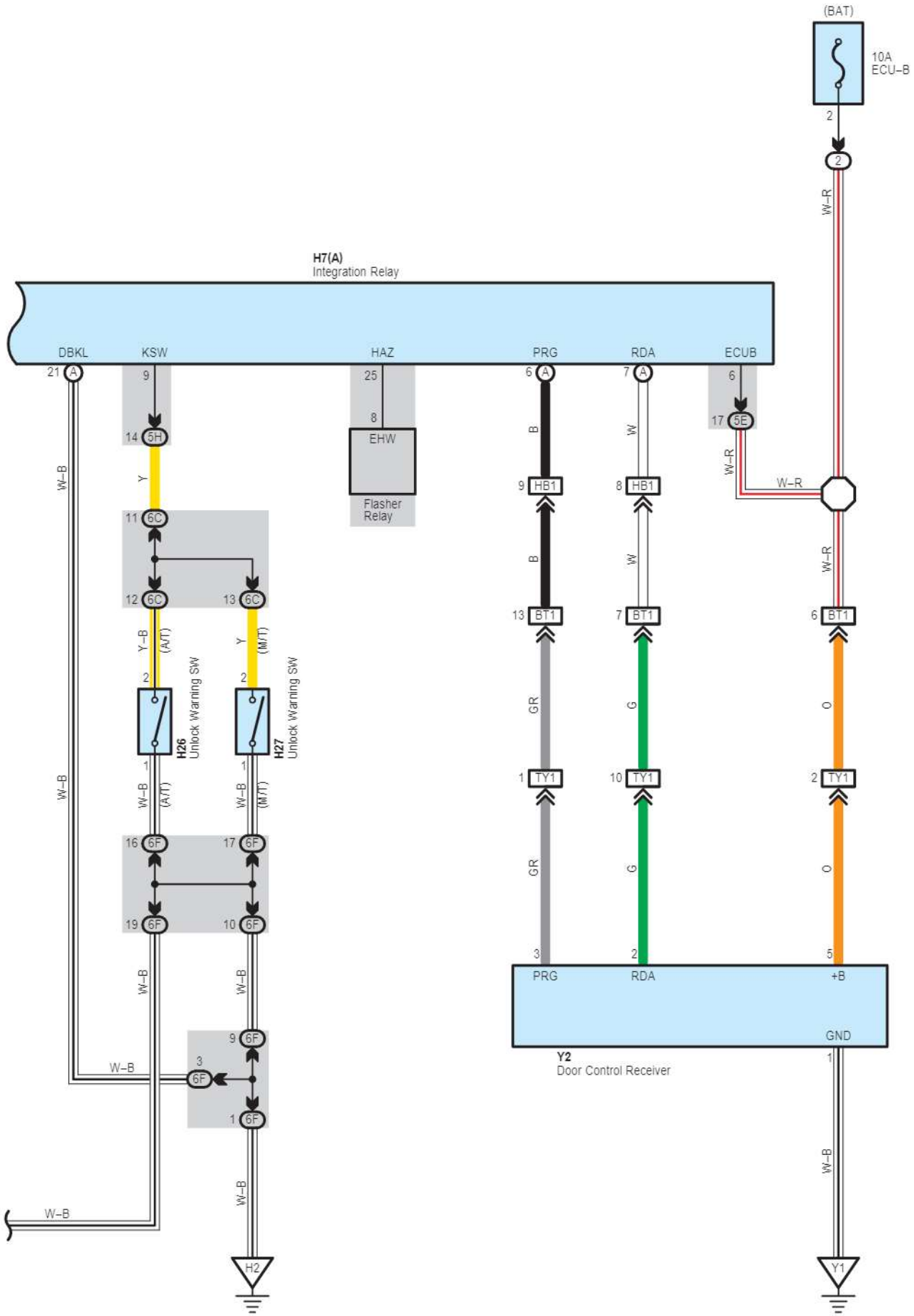


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* 3 : 6 Speaker
* 4 : Except *3



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Wireless Door Lock Control (LHD)

System Outline

Door lock control (Lock and unlock) is performed by remote control, without the ignition key inserted in the door key cylinder, using low–power electrical waves emitted by a transmitter.

1. Normal Operation

* Lock operation
  When the lock button on the transmitter is pressed, all the doors are locked.
* Unlock operation
  When the unlock button on the transmitter is pressed, all the doors are unlocked.

2. Visual Confirmation of Lock or Unlock

If all doors indicate that they are locked after the lock command, hazard lights will flash once. If any door indicates that it is open after the unlock command, hazard lights will flash twice.

3. Automatic Lock Operation

All the doors are automatically relocked unless any door is opened within 30 seconds after pushing the button (Transmitter) to unlock all the doors under conditions that the ignition key is not inserted into the ignition key cylinder (Unlock warning SW off), ignition SW is at OFF and all the doors are completely closed.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B22	50 (LHD)	L1	50 (LHD)	Y2	51 (LHD)
B26	50 (LHD)	M1	50 (LHD)	Y3	51 (LHD)
H7 A	49 (LHD)	N1	50 (LHD)	a1	51 (LHD)
H26	49 (LHD)	T6	50 (LHD)	a2	51 (LHD)
H27	49 (LHD	T9	50 (LHD)	a3	51 (LHD)
H41	49 (LHD)	T17	50 (LHD)		
K1	50 (LHD)	X2	51 (LHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
6F		

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BT1	64 (LHD)	Engine Room Main Wire and Roof Wire (Cowl Side Panel LH)
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
KA2	65 (LHD)	Front Door RH Wire and Cowl to Head Lamp Wire (Right Kick Panel)
KA3		
LA2	65 (LHD)	Front Door LH Wire and Cowl to Head Lamp Wire (Left Kick Panel)
LA3		
MB1	60 (*1)	Pillar No.1 Wire and Engine Room Main Wire (RH Side Battery Room)
	61 (*2)	
NB1	60 (*1)	Pillar No.2 Wire and Engine Room Main Wire (LH Side Battery Room)
	61 (*2)	
TU1	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
TU2		
TY1	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
UX1	66 (LHD)	Roof No.2 Wire and Luggage Room No.2 Wire (Right Quarter Panel)
ZU1	66 (LHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
Za1	66 (LHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)

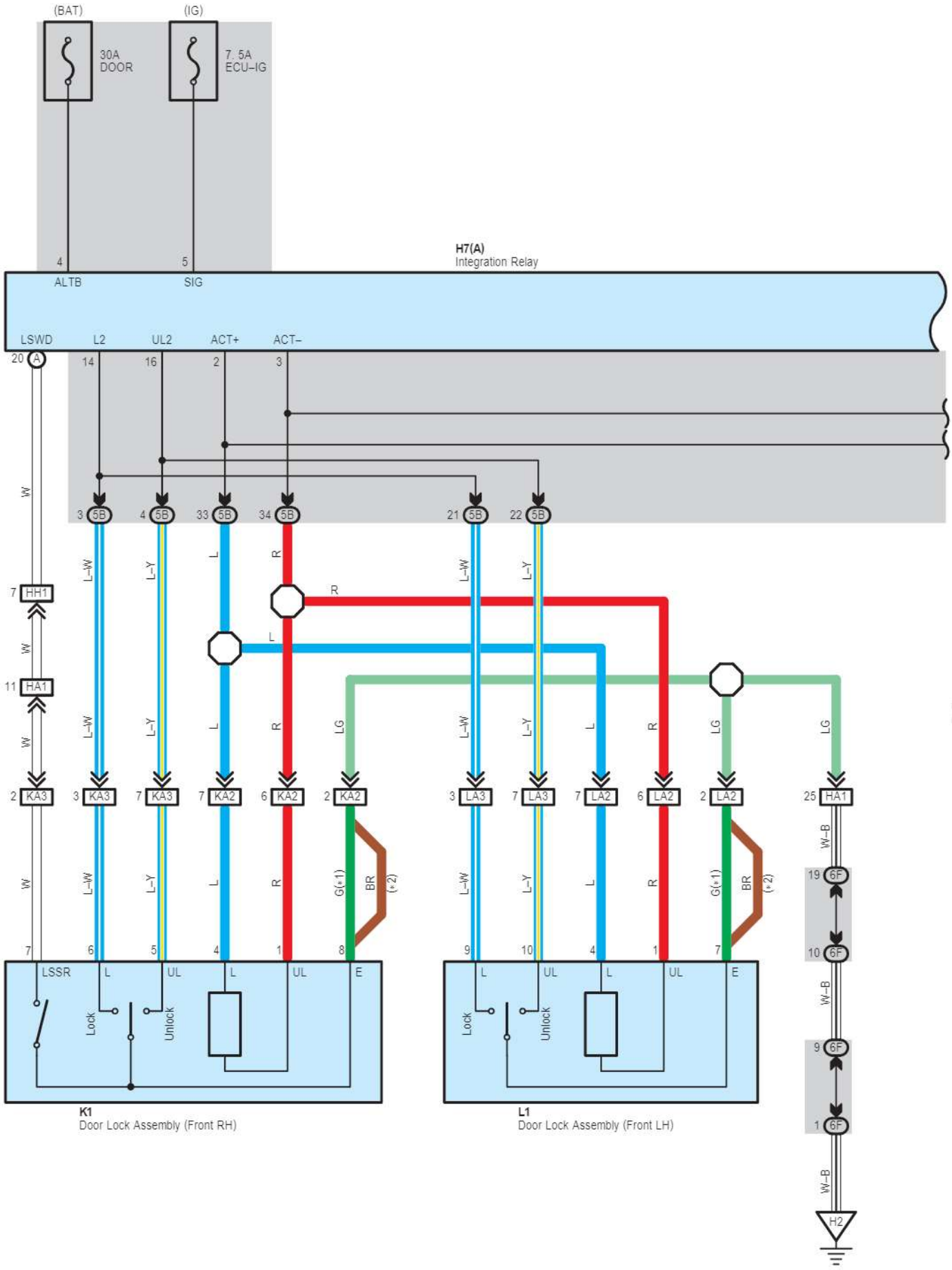
: Ground Points

Code	See Page	Ground Points Location
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
H1	64 (LHD)	Instrument Panel Reinforcement
H2		
Y1	66 (LHD)	Left Quarter Panel
a1	66 (LHD)	Back Door Right

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

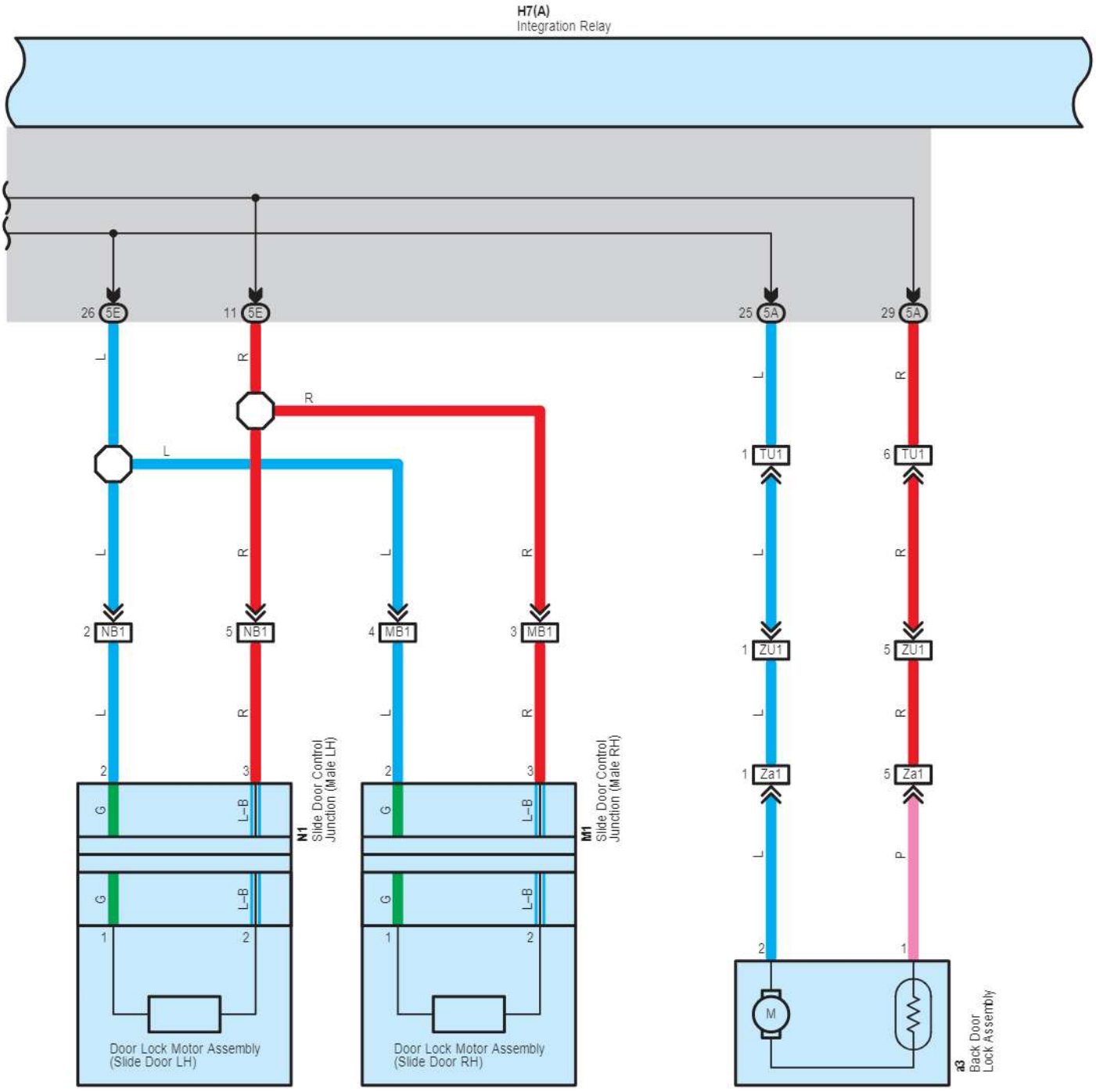
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Wireless Door Lock Control (RHD)



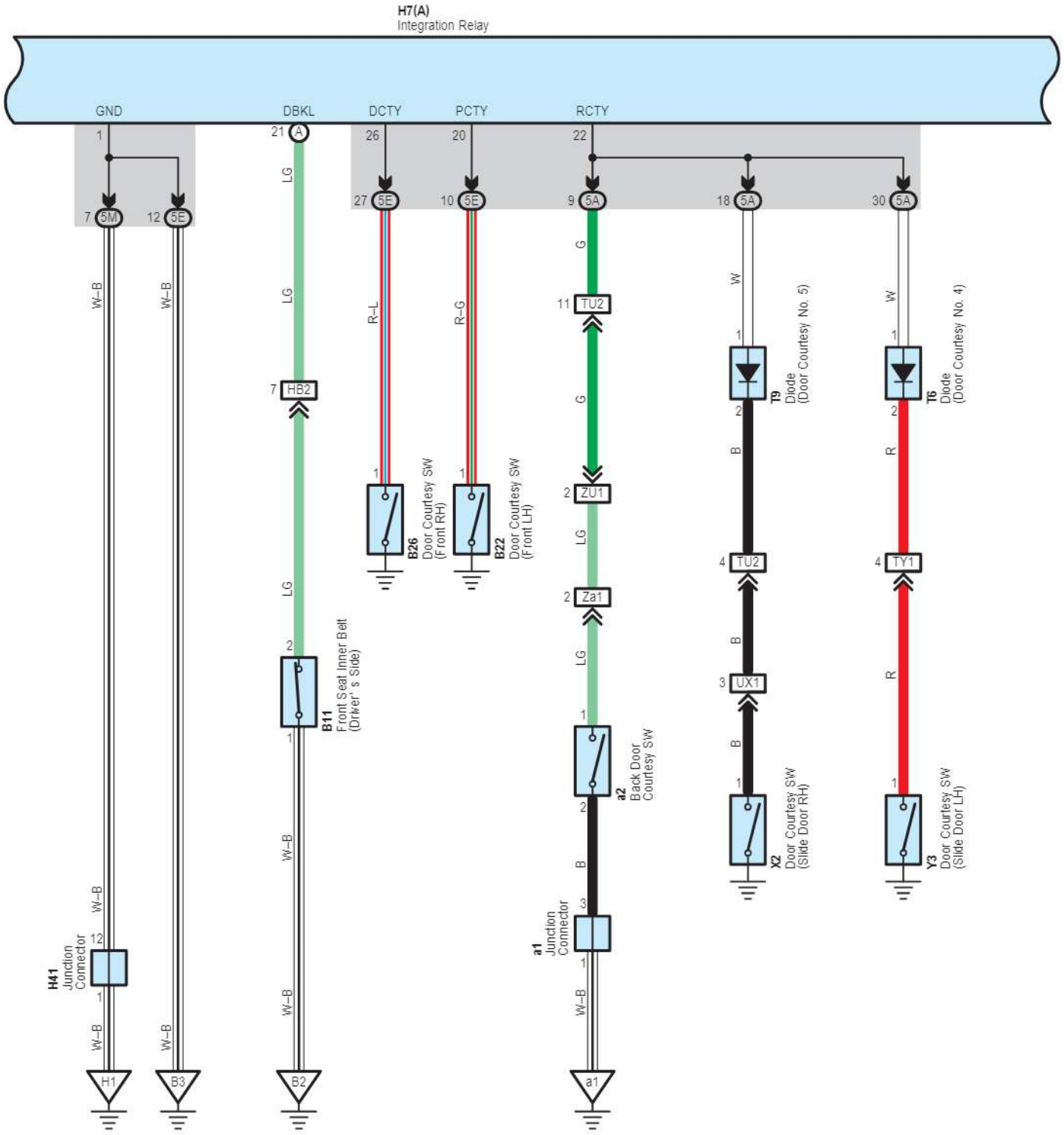
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* 1 : w/ Power Window
* 2 : w/o Power Window

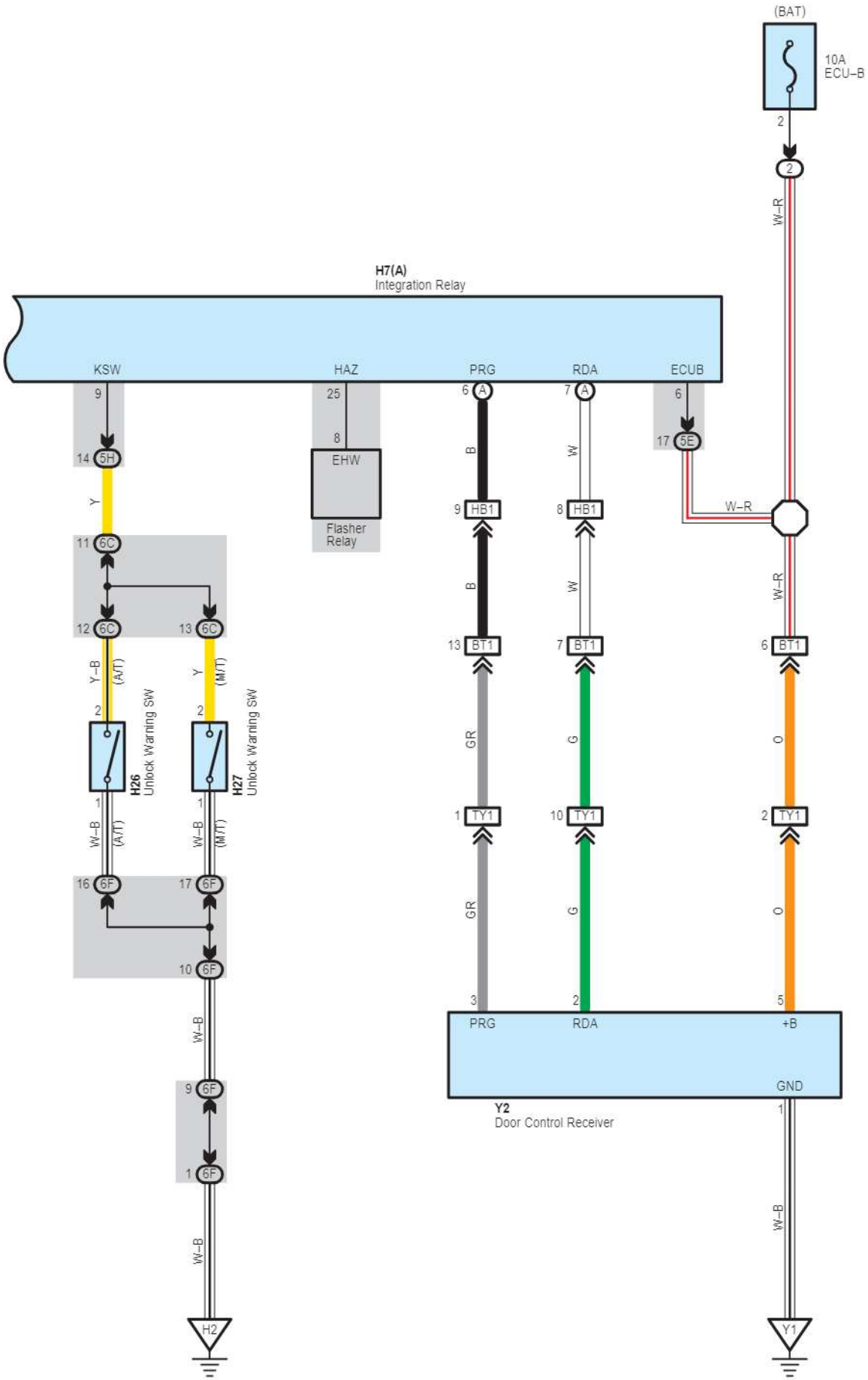


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Wireless Door Lock Control (RHD)



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Wireless Door Lock Control (RHD)

System Outline

Door lock control (Lock and unlock) is performed by remote control, without the ignition key inserted in the door key cylinder, using low–power electrical waves emitted by a transmitter.

1. Normal Operation

* Lock operation
  When the lock button on the transmitter is pressed, all the doors are locked.
* Unlock operation
  When the unlock button on the transmitter is pressed, all the doors are unlocked.

2. Visual Confirmation of Lock or Unlock

If all doors indicate that they are locked after the lock command, hazard lights will flash once. If any door indicates that it is open after the unlock command, hazard lights will flash twice.

3. Automatic Lock Operation

All the doors are automatically relocked unless any door is opened within 30 seconds after pushing the button (Transmitter) to unlock all the doors under conditions that the ignition key is not inserted into the ignition key cylinder (Unlock warning SW off), ignition SW is at OFF and all the doors are completely closed.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
B11	52 (*4)	H41	57 (RHD)	X2	59 (RHD)
	53 (*5)	K1	58 (RHD)	Y2	59 (RHD)
B22	58 (RHD)	L1	58 (RHD)	Y3	59 (RHD)
B26	58 (RHD)	M1	58 (RHD)	a1	59 (RHD)
H7 A	57 (RHD)	N1	58 (RHD)	a2	59 (RHD)
H26	57 (RHD)	T6	58 (RHD)	a3	59 (RHD)
H27	57 (RHD)	T9	58 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5A	30	Roof Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
6C	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F		

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BT1	72 (RHD)	Engine Room Main Wire and Roof Wire (Cowl Side Panel LH)
HA1	72 (RHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
HB1	72 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
HB2		
HH1	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
KA2	73 (RHD)	Front Door RH Wire and Cowl to Head Lamp Wire (Right Kick Panel)
KA3		
LA2	73 (RHD)	Front Door LH Wire and Cowl to Head Lamp Wire (Left Kick Panel)
LA3		
MB1	68 (*4)	Pillar No.1 Wire and Engine Room Main Wire (RH Side Battery Room)
	69 (*5)	
NB1	68 (*4)	Pillar No.2 Wire and Engine Room Main Wire (LH Side Battery Room)
	69 (*5)	
TU1	74 (RHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
TU2		
TY1	74 (RHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
UX1	74 (RHD)	Roof No.2 Wire and Luggage Room No.2 Wire (Right Quarter Panel)
ZU1	74 (RHD)	Back Door No.1 Wire and Roof No.2 Wire (Rear of the Right Side of the Roof Panel)
Za1	74 (RHD)	Back Door No.1 Wire and Back Door No.2 Wire (Right Side of Back Door)

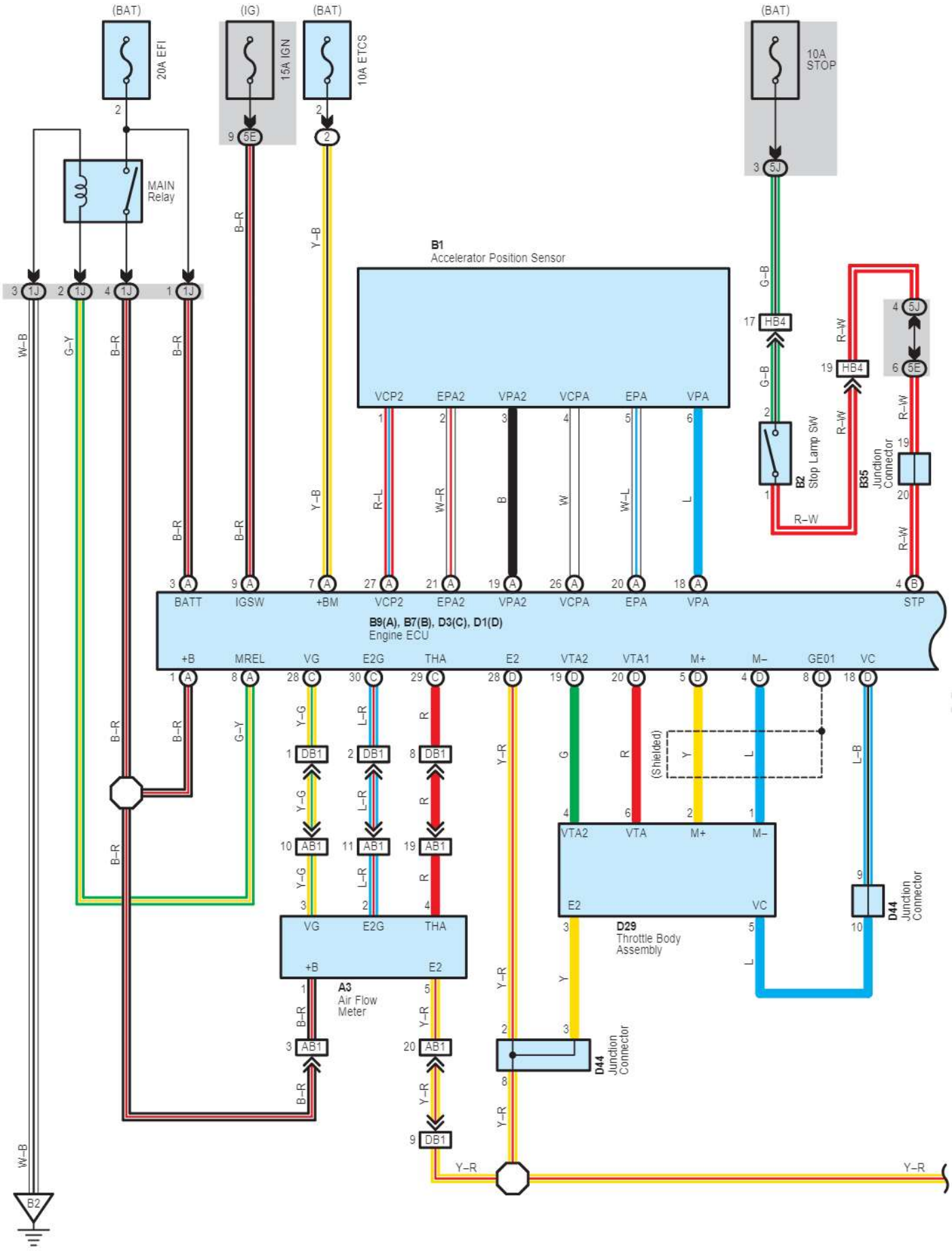
: Ground Points

Code	See Page	Ground Points Location
B2	68 (*4)	Front Floor Panel Right
	69 (*5)	
B3	68 (*4)	Front Floor Panel Left
	69 (*5)	
H1	72 (RHD)	Instrument Panel Reinforcement
H2		
Y1	74 (RHD)	Left Quarter Panel
a1	74 (RHD)	Back Door Right

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

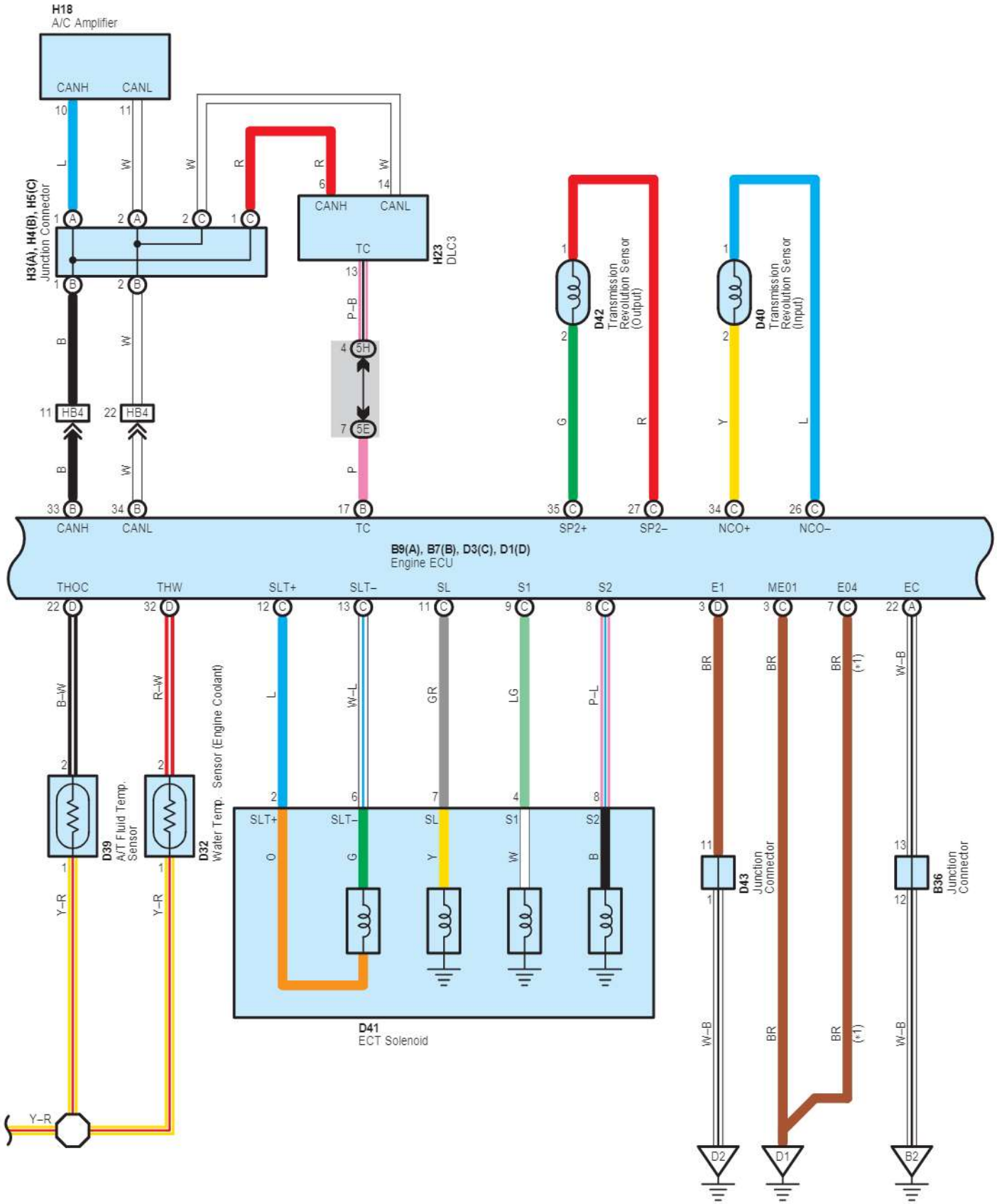
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ECT and A/T Indicator (2TR–FE)



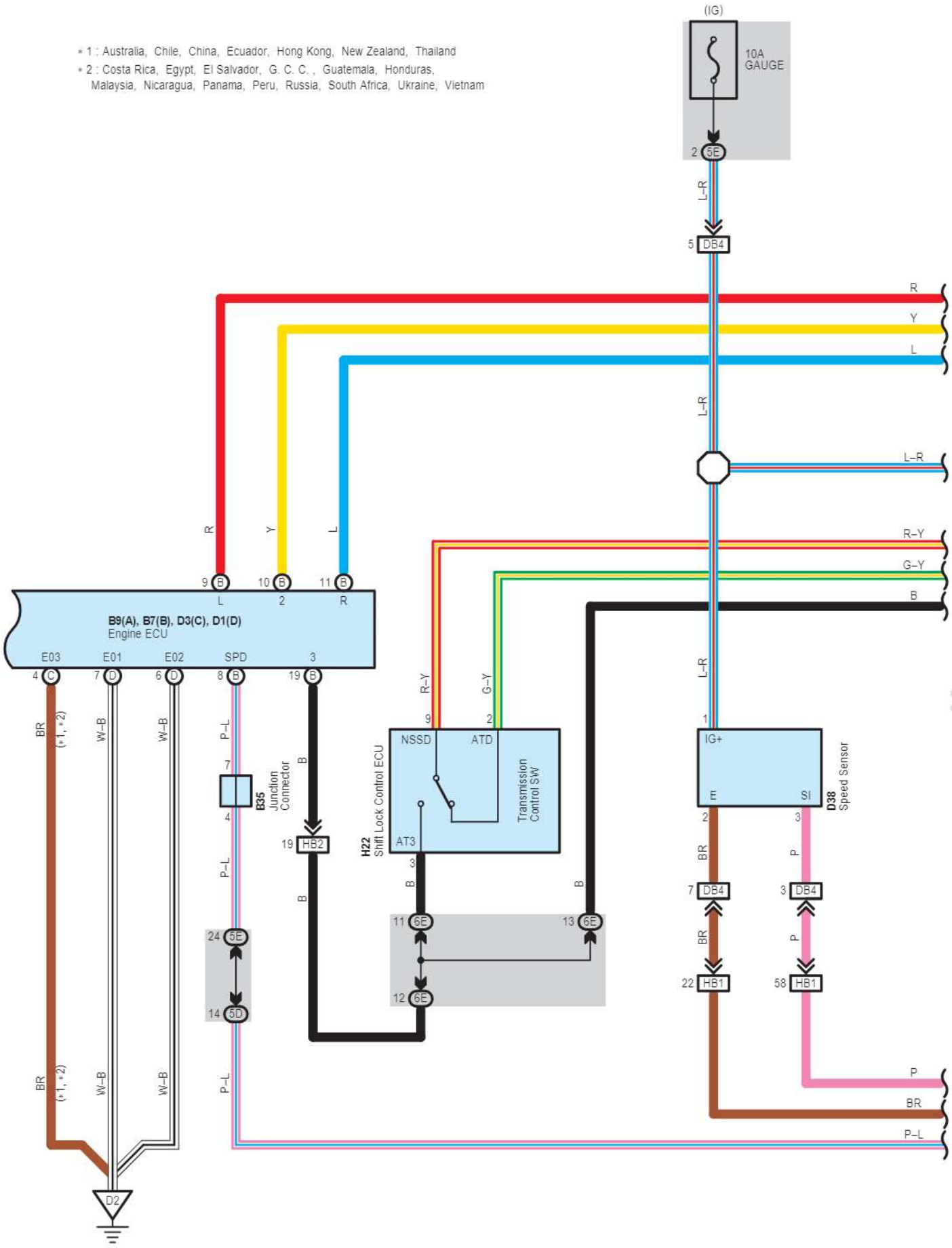
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* 1 : Australia, Chile, China, Ecuador, Hong Kong, New Zealand, Thailand

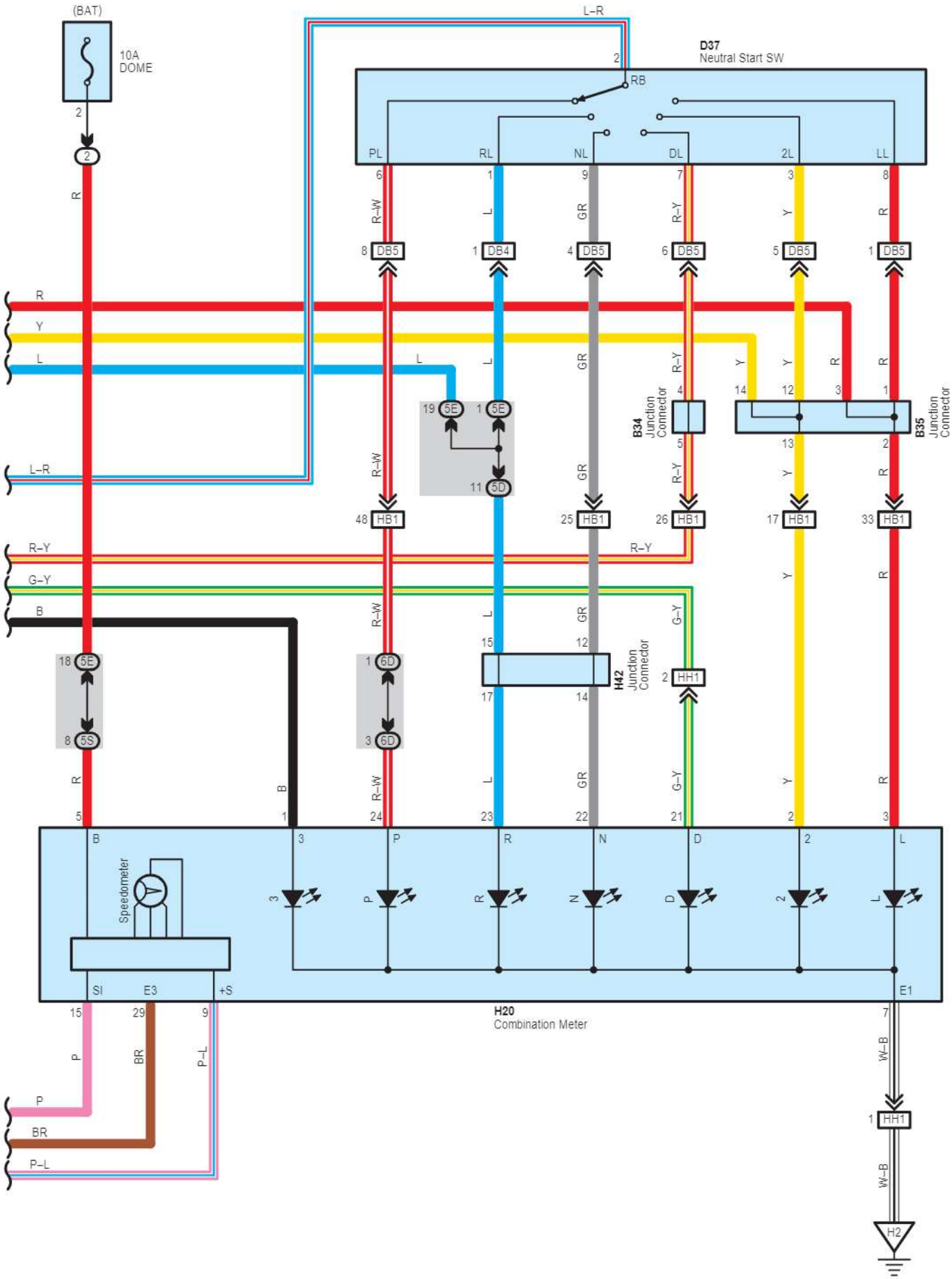


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ECT and A/T Indicator (2TR–FE)



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ECT and A/T Indicator (2TR–FE)

System Outline

Previous automatic transmissions have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock–up hydraulic pressure. The electronically controlled transmission, however, electrically controls the line pressure, throttle pressure, lock–up pressure and accumulator pressure etc. through the solenoid valve. The electronically controlled transmission is a system which precisely controls gear shift timing and lock–up timing in response to the vehicle's driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by shift selection for each gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squat and gear shift shock when starting off.

1. Gear Shift Operation

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine ECU from the water temp. sensor (Engine coolant) and the vehicle speed signal from speed sensor is input to TERMINAL SPD of the engine ECU via combination meter. At the same time, the throttle valve opening signal from the throttle body assembly is input to TERMINALS VTA1 and VTA2 of the engine ECU as throttle angle signal.
Based on these signals, the engine ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. Lock–Up Operation

When the engine ECU decides based on each signal that the lock–up condition has been met, the current flows through TERMINAL SL of the engine ECU to TERMINAL 7 of the ECT solenoid to GROUND, causing lock–up operation.

3. Stop Lamp SW Circuit

If the brake pedal is depressed (Stop lamp SW on) when driving in lock–up condition, a signal is input to TERMINAL STP of the engine ECU. The engine ECU operates and cuts the current to the solenoid to release lock–up.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A3	48 (LHD)	D3 C	52 (*4)	D44	44 (*1)
	56 (RHD)	D29	44 (*1)		52 (*4)
B1	48 (LHD)		52 (*4)	H3 A	42, 49 (LHD)
	56 (RHD)	D32	44 (*1)		42, 57 (RHD)
B2	48 (LHD)		52 (*4)	H4 B	42, 49 (LHD)
	56 (RHD)	D37	44 (*1)		42, 57 (RHD)
B7 B	44 (*1)		52 (*4)	H5 C	42, 49 (LHD)
	52 (*4)	D38	44 (*1)		42, 57 (RHD)
B9 A	44 (*1)		52 (*4)	H18	49 (LHD)
	52 (*4)	D39	44 (*1)		57 (RHD)
B34	48 (LHD)		52 (*4)	H20	49 (LHD)
	56 (RHD)	D40	44 (*1)		57 (RHD)
B35	44 (*1)		52 (*4)	H22	49 (LHD)
	52 (*4)	D41	44 (*1)		57 (RHD)
B36	44 (*1)		52 (*4)	H23	49 (LHD)
	52 (*4)	D42	44 (*1)		57 (RHD)
D1 D	44 (*1)		52 (*4)	H42	49 (LHD)
	52 (*4)	D43	44 (*1)		57 (RHD)
D3 C	44 (*1)		52 (*4)		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1J	25	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5J		
5S	31	
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6E	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
DB1	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	68 (*4)	
DB4	60 (*1)	
	68 (*4)	
DB5	60 (*1)	
	68 (*4)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)

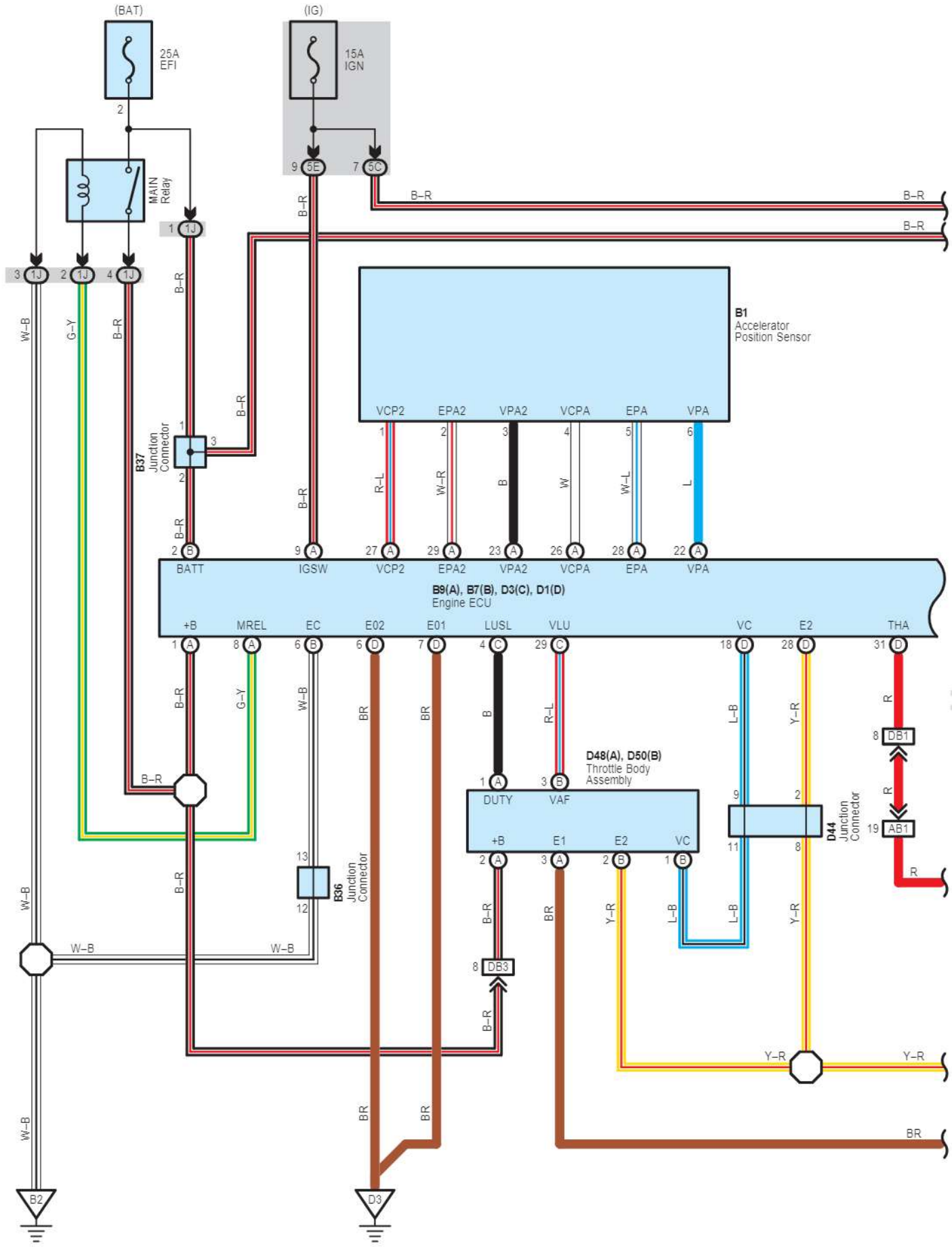
: Ground Points

Code	See Page	Ground Points Location
B2	60 (*1)	Front Floor Panel Right
	68 (*4)	
D1	60 (*1)	Engine Block
	68 (*4)	
D2	60 (*1)	
	68 (*4)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

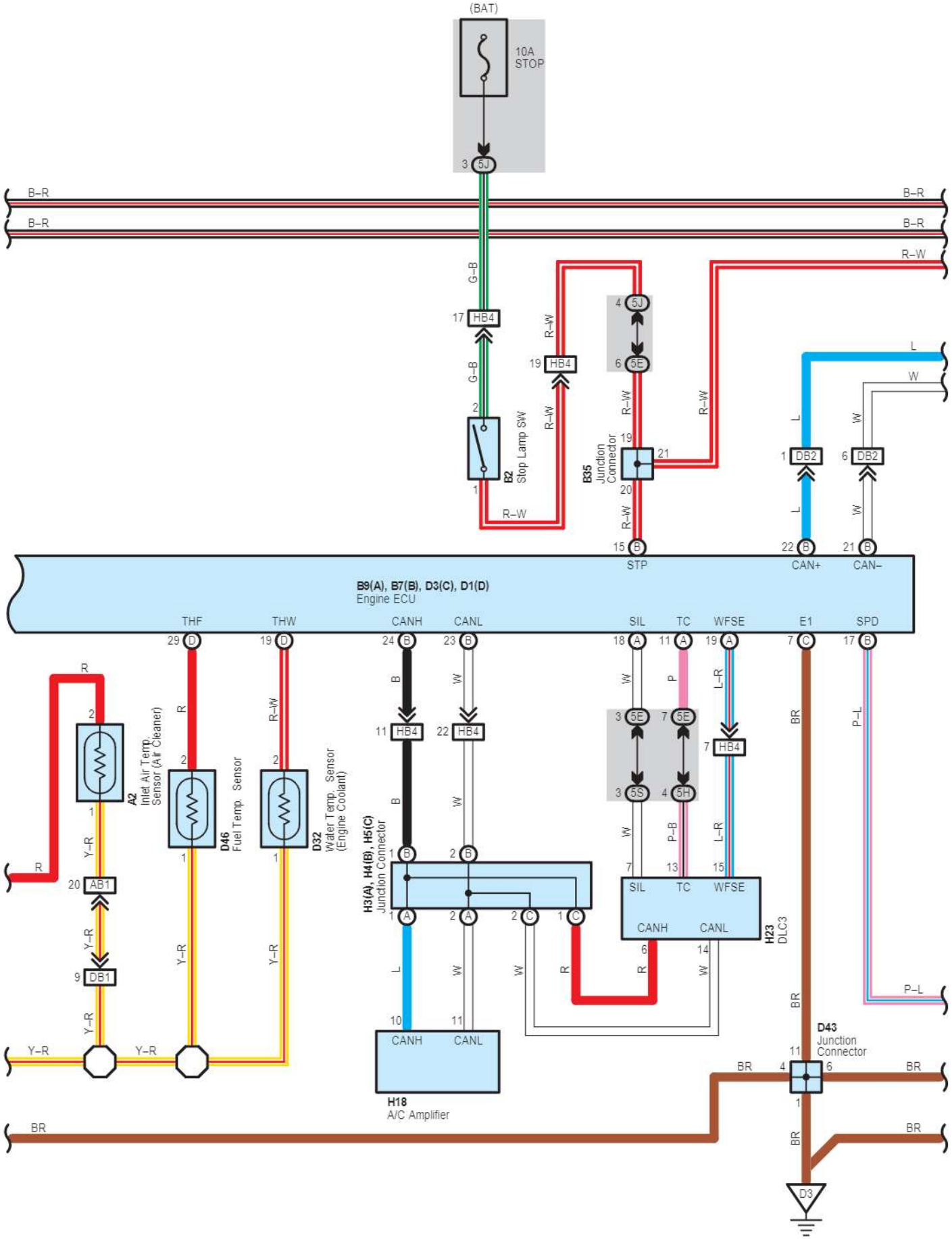
* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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ECT and A/T Indicator (2KD–FTV)

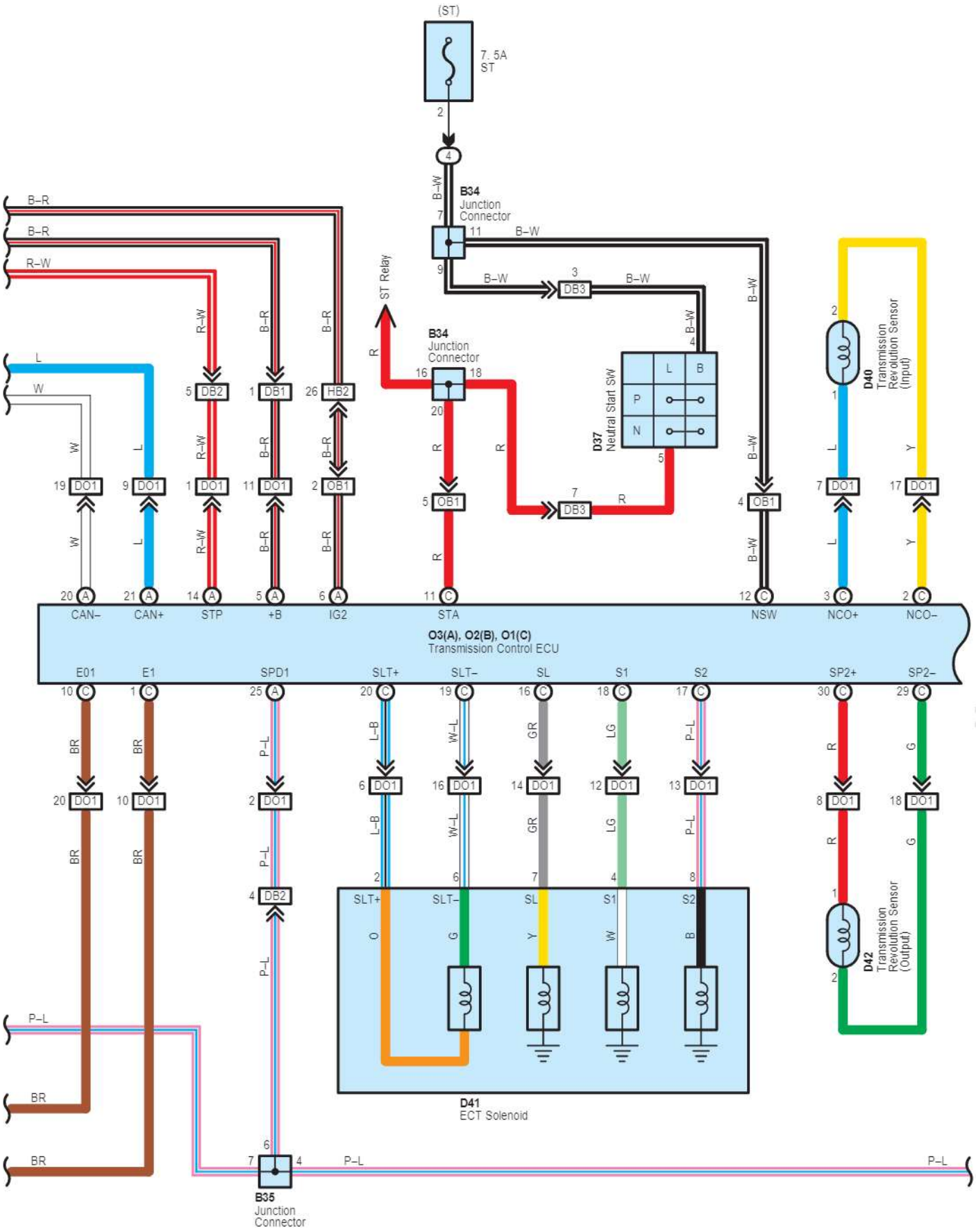


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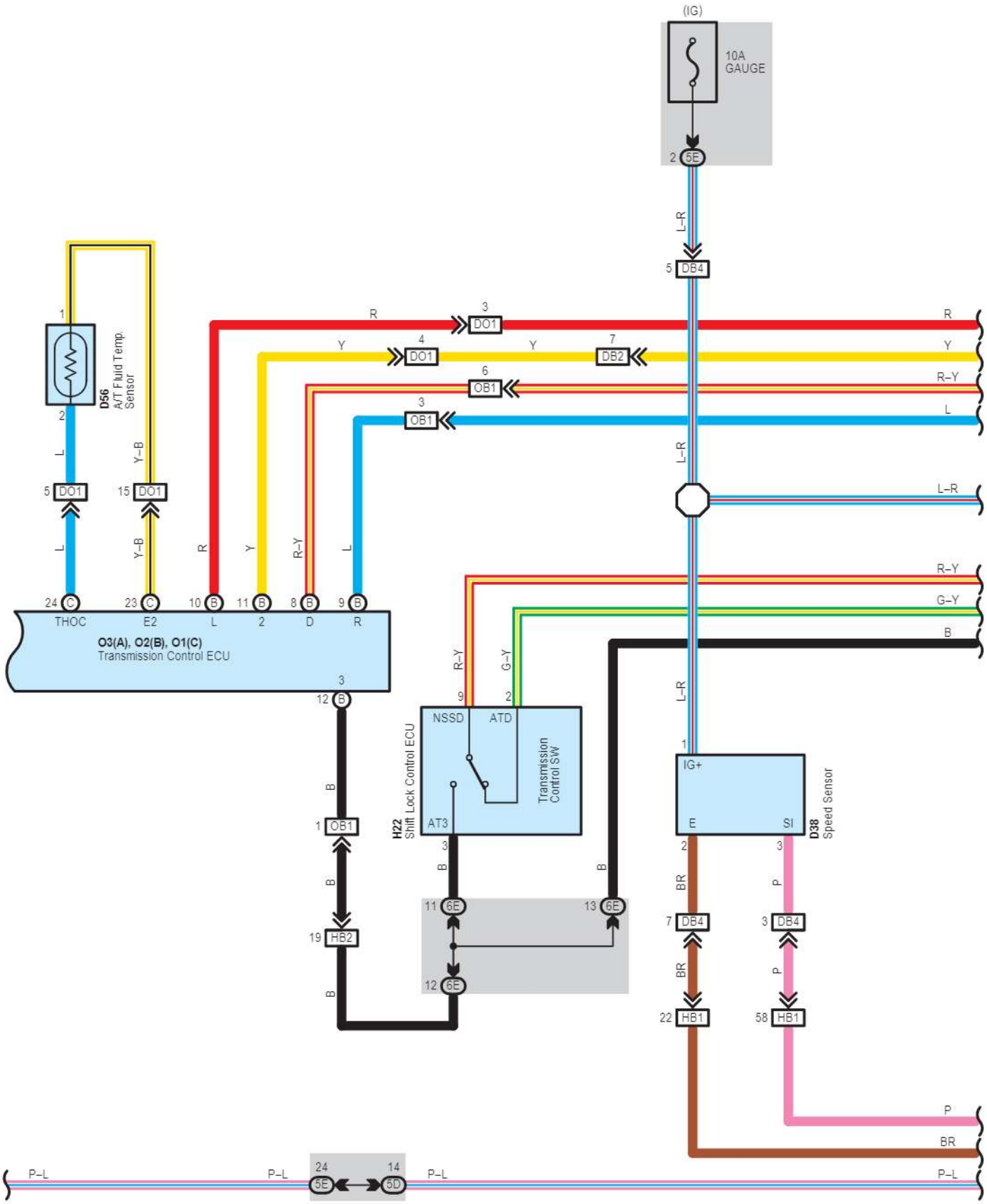


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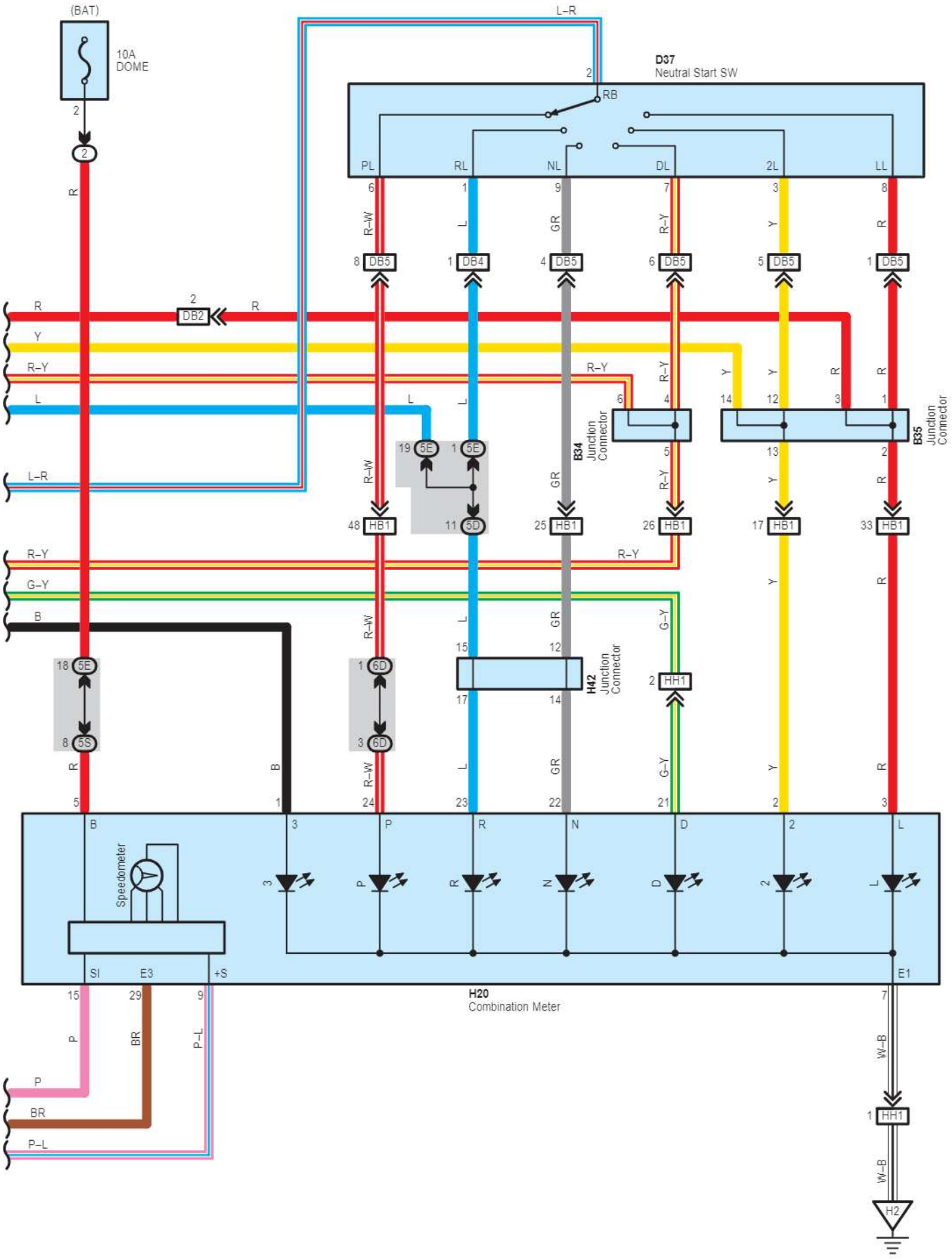
ECT and A/T Indicator (2KD–FTV)



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System Outline

Previous automatic transmissions have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock–up hydraulic pressure. The electronically controlled transmission, however, electrically controls the line pressure, throttle pressure, lock–up pressure and accumulator pressure etc. through the solenoid valve. The electronically controlled transmission is a system which precisely controls gear shift timing and lock–up timing in response to the vehicle's driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by shift selection for each gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squat and gear shift shock when starting off.

1. Lock–Up Operation

When the transmission control ECU decides based on each signal that the lock–up condition has been met, the current flows through TERMINAL SL of the transmission control ECU to TERMINAL 7 of the ECT solenoid to GROUND, causing lock–up operation.

2. Stop Lamp SW Circuit

If the brake pedal is depressed (Stop lamp SW on) when driving in lock–up condition, a signal is input to TERMINAL STP of the transmission control ECU. The transmission control ECU operates and cuts the current to the solenoid to release lock–up.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A2	48 (LHD)	D32	53 (*5)	H3 A	42, 49 (LHD)
	56 (RHD)	D37	45 (*2)		42, 57 (RHD)
B1	48 (LHD)		53 (*5)	H4 B	42, 49 (LHD)
	56 (RHD)	D38	45 (*2)		42, 57 (RHD)
B2	48 (LHD)		53 (*5)	H5 C	42, 49 (LHD)
	56 (RHD)	D40	45 (*2)		42, 57 (RHD)
B7 B	45 (*2)		53 (*5)	H18	49 (LHD)
	53 (*5)	D41	45 (*2)		57 (RHD)
B9 A	45 (*2)		53 (*5)	H20	49 (LHD)
	53 (*5)	D42	45 (*2)		57 (RHD)
B34	48 (LHD)		53 (*5)	H22	49 (LHD)
	56 (RHD)	D43	45 (*2)		57 (RHD)
B35	45 (*2)		53 (*5)	H23	49 (LHD)
	53 (*5)	D44	45 (*2)		57 (RHD)
B36	45 (*2)		53 (*5)	H42	49 (LHD)
	53 (*5)	D46	45 (*2)		57 (RHD)
B37	45 (*2)		53 (*5)	O1 C	48 (LHD)
	53 (*5)	D48 A	45 (*2)		56 (RHD)
D1 D	45 (*2)		53 (*5)	O2 B	48 (LHD)
	53 (*5)	D50 B	45 (*2)		56 (RHD)
D3 C	45 (*2)		53 (*5)	O3 A	48 (LHD)
	53 (*5)	D56	45 (*2)		56 (RHD)
D32	45 (*2)		53 (*5)		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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ECT and A/T Indicator (2KD–FTV)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1J	25	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5C	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5D		
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5J		
5S	31	
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6E	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
DB1	61 (*2)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	69 (*5)	
DB2	61 (*2)	
	69 (*5)	
DB3	61 (*2)	
	69 (*5)	
DB4	61 (*2)	
	69 (*5)	
DB5	61 (*2)	
	69 (*5)	
DO1	61 (*2)	Engine Wire and Floor Wire (Front Floor Panel Right)
	69 (*5)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
OB1	65 (LHD)	Floor Wire and Engine Room Main Wire (RH Side of Instrument Panel R/B)
	73 (RHD)	Floor Wire and Engine Room Main Wire (Near the Stop Lamp SW)

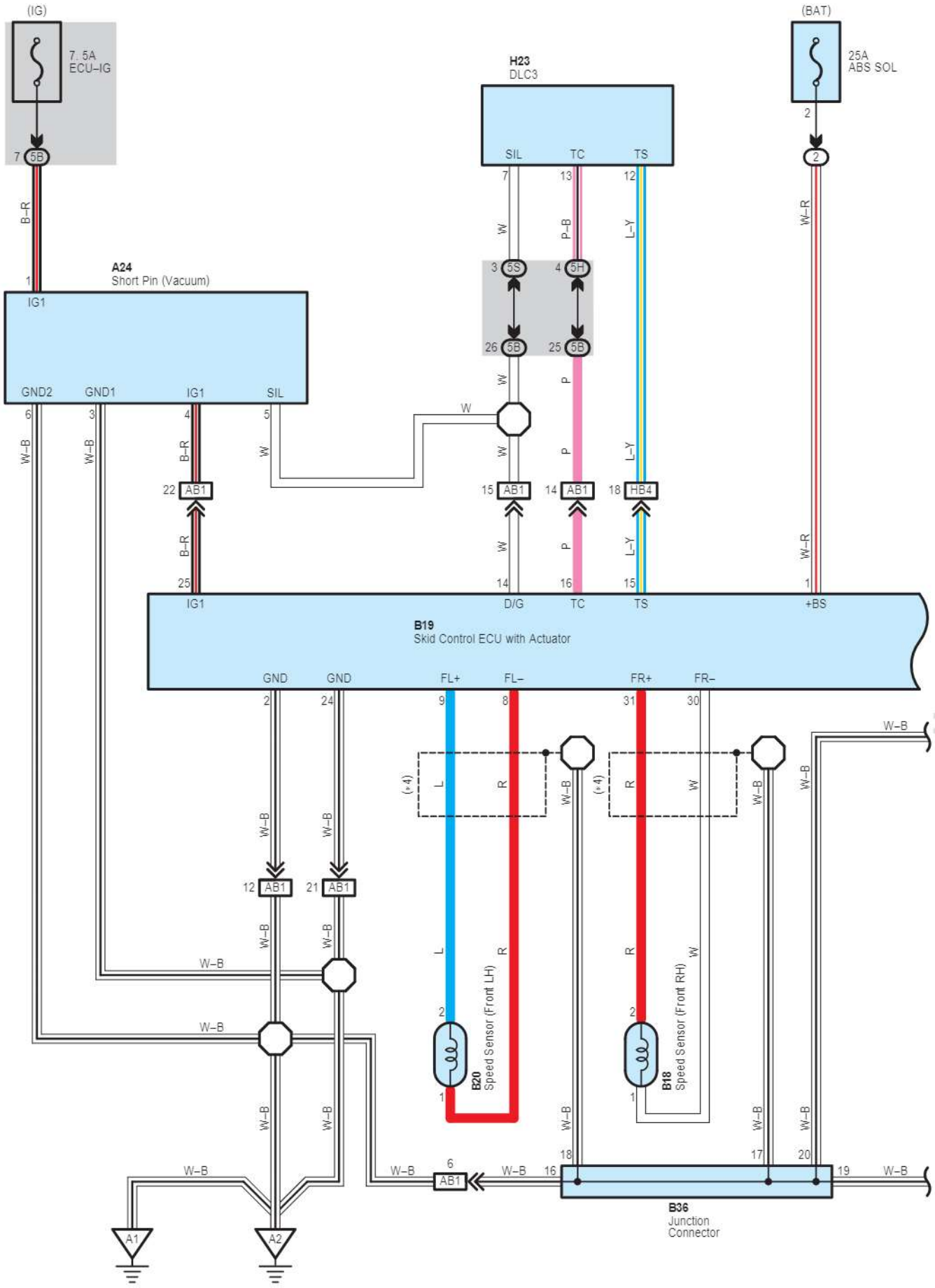
: Ground Points

Code	See Page	Ground Points Location
B2	61 (*2)	Front Floor Panel Right
	69 (*5)	
D3	61 (*2)	Engine Block
	69 (*5)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

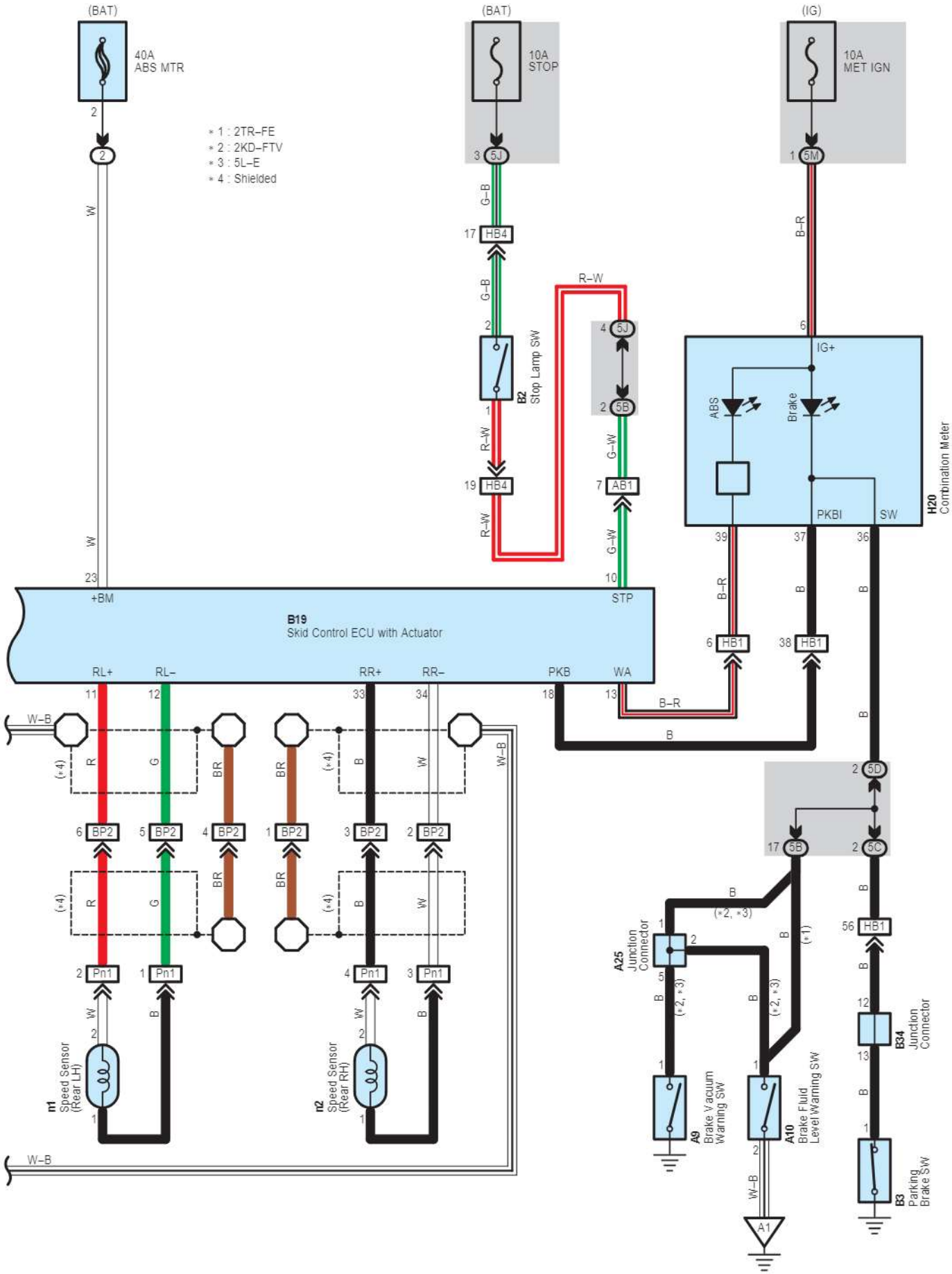
* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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System Outline

This system controls the respective brake fluid pressures acting on the brake cylinders of the right front wheel, left front wheel, and rear wheels when the brakes are applied in a panic stop so that the wheels do not lock.
This results in improved directional stability and steerability during panic braking.

1. Input Signal

(1) Speed sensor signal
The speed of the wheels is detected and input to TERMINALS FL+, FR+, RL+ and RR+ of the skid control ECU with actuator.

(2) Stop lamp SW signal
A signal is input to TERMINAL STP of the skid control ECU with actuator when the brake pedal is depressed.

2. System Operation

During sudden braking, the skid control ECU with actuator which has signals input from each sensor lets the hydraulic pressure acting on each wheel cylinder escape to the reservoir.
The pump inside the skid control ECU with actuator is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, thus preventing locking of vehicle wheels.
If the skid control ECU with actuator judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current acting on the solenoid is controlled and the hydraulic pressure is increased.
Holding of the hydraulic pressure is also controlled by the ECU, by the same method as above, by repeated pressure reduction. Holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A9	48 (LHD)	B18	53 (*5)	B36	44 (*1)
	56 (RHD)		54 (*6)		45 (*2)
A10	48 (LHD)	B19	44 (*1)		46 (*3)
	56 (RHD)		45 (*2)		52 (*4)
A24	48 (LHD)		46 (*3)		53 (*5)
	56 (RHD)		52 (*4)		54 (*6)
A25	48 (LHD)		53 (*5)	H20	49 (LHD)
	56 (RHD)		54 (*6)		57 (RHD)
B2	48 (LHD)	B20	44 (*1)	H23	49 (LHD)
	56 (RHD)		45 (*2)		57 (RHD)
B3	48 (LHD)		46 (*3)	n1	51 (LHD)
	56 (RHD)		52 (*4)		59 (RHD)
B18	44 (*1)		53 (*5)	n2	51 (LHD)
	45 (*2)		54 (*6)		59 (RHD)
	46 (*3)	B34	48 (LHD)		
	52 (*4)		56 (RHD)		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

▭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5C	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5D		
5H		
5J		
5M	31	
5S		

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD) 72 (RHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
BP2	66 (LHD) 74 (RHD)	Engine Room Main Wire and Frame Wire (Under the Floor Panel)
HB1	64 (LHD) 72 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
HB4	64 (LHD) 72 (RHD)	
Pn1	66 (LHD) 74 (RHD)	Frame Wire and Skid Control Sensor Wire (Under the Floor Panel)

: **Ground Points**

Code	See Page	Ground Points Location
A1	64 (LHD) 72 (RHD)	Dash Panel Right
A2	64 (LHD) 72 (RHD)	Dash Panel Left

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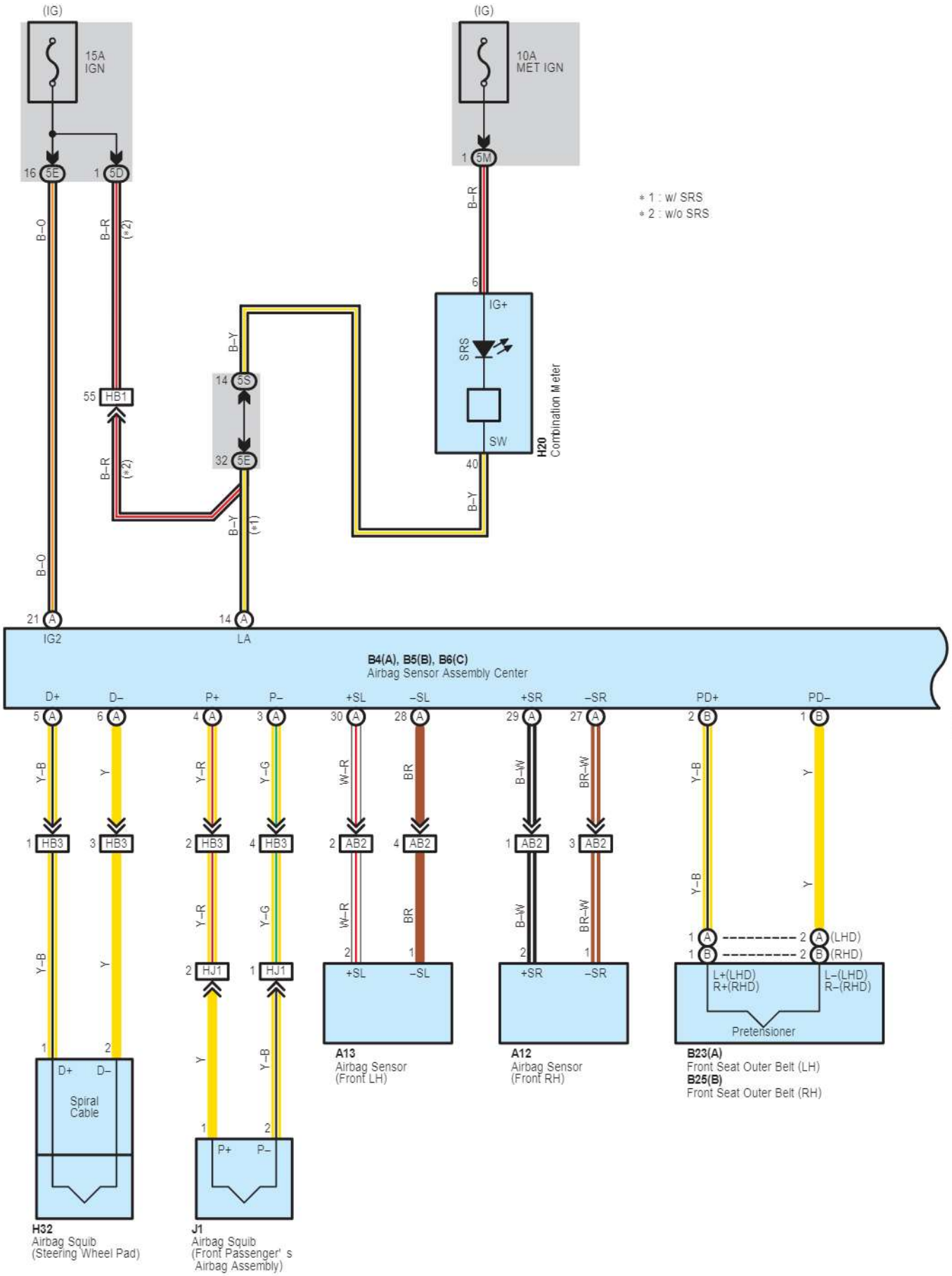
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NOTICE: When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

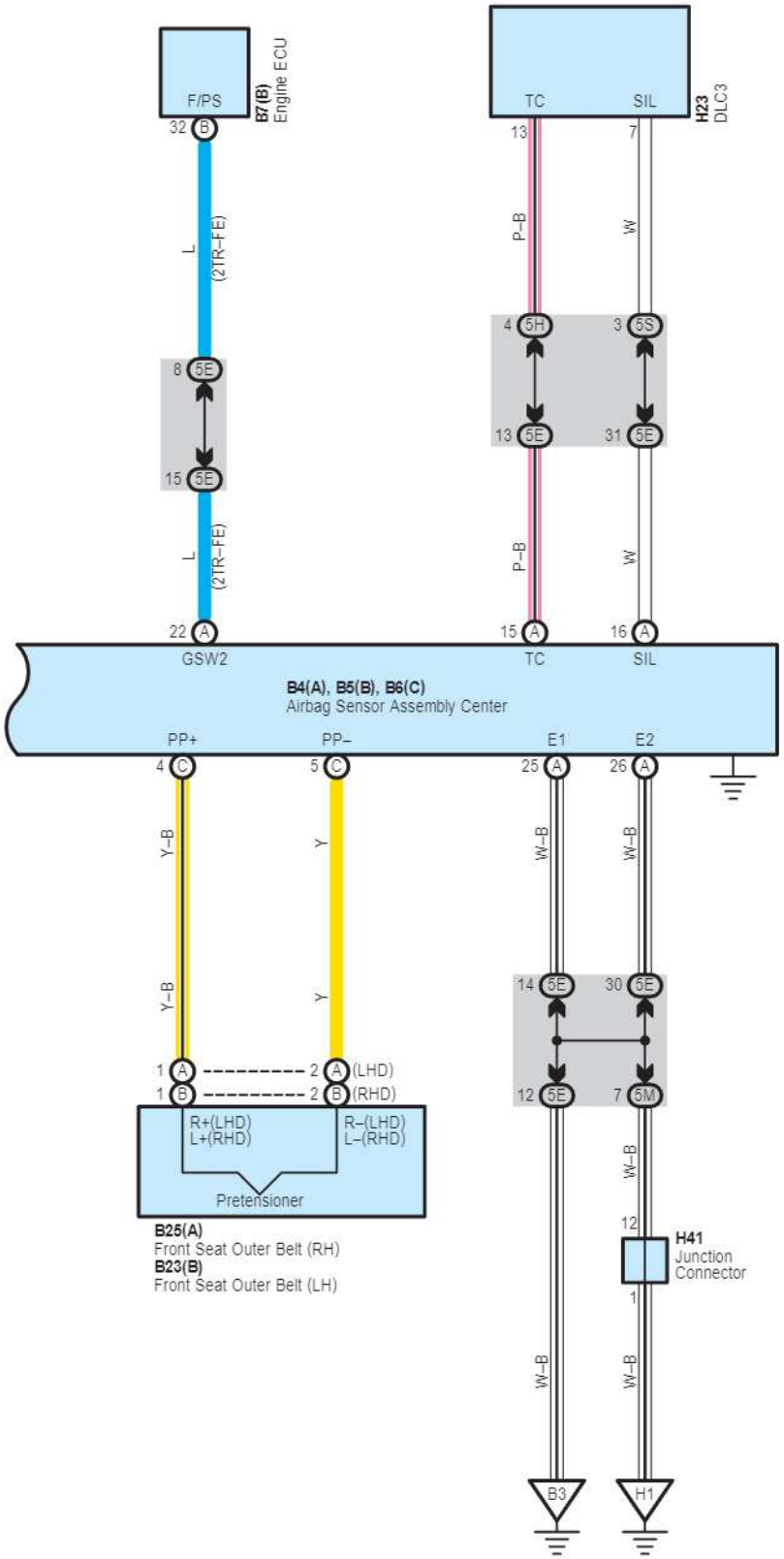
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started more than 90 seconds after the ignition SW is turned to the "LOCK" position and the negative (–) terminal cable is disconnected from the battery.**
  (The SRS is equipped with a back–up power source so that if work is started within 90 seconds from disconnecting the negative (–) terminal cable of the battery, the SRS may deploy.)
- When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be cleared. So before starting work, make a record of the contents in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. Some vehicles have power tilt steering, power telescopic steering, power seat and power outside rear view mirror which are all equipped with memory function. However, it is not possible to make a record of these memory contents. So when the work is finished, it will be necessary to explain it to your customer, and ask the customer to adjust the features and reset the memory. To avoid erasing the memory in each system, never use a back–up power supply from outside the vehicle.
- Before repair, remove the airbag sensor if shocks are likely to be applied to the sensor during repair.
- Do not expose the following parts directly to hot air or flame;
- Even in cases of a minor collision where the SRS does not deploy, the following parts should be inspected;
- Never use SRS parts from another vehicle. When replacing parts, replace with new parts.
- For the purpose of reuse, never disassemble and repair the following parts.
- If the following parts have been dropped, or have cracks, dents and other defects in their case, bracket, and connector, replace with new one.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting electrical circuits of the system.
- Information labels are attached to the periphery of the SRS components. Follow the instructions of the notice.
- After work on the SRS is completed, check the SRS warning light.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

* Steering wheel pad
* Front passenger airbag assembly
* Seat belt pretensioner
* Center airbag sensor assembly
* Front airbag sensor assembly

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System Outline

The SRS is a driver and front passenger protection device which has a supplemental role to the seat belts.
When the ignition SW is turned to ON, the current from the ignition SW flows to TERMINAL 21 of the airbag sensor assembly center.
If an accident occurs while driving, when the frontal impact exceeds a set level, the current from the ignition SW flows to TERMINALS (A) 5, (A) 4, (B) 2 and (C) 4 of the airbag sensor assembly center to the airbag squibs and the front seat outer belt TERMINALS (A) 6, (A) 3, (B) 1 and (C) 5 of the airbag sensor assembly center to TERMINAL (A) 25, (A) 26 or BODY GROUND to GROUND, so that current flows to the airbag squibs and the front seat outer belt and causes them to operate.
The airbag stored inside the steering wheel pad is instantaneously expanded to soften the shock to the driver.
The airbag stored inside the passenger's instrument panel is instantaneously expanded to soften the shock to the front passenger.

○ : Parts Location

Code		See Page	Code		See Page	Code	See Page
A12		48 (LHD)	B6	C	56 (RHD)	H23	49 (LHD)
		56 (RHD)	B7	B	44 (*1)		57 (RHD)
A13		48 (LHD)			52 (*4)	H32	49 (LHD)
		56 (RHD)	B23	A	50 (LHD)		57 (RHD)
B4	A	48 (LHD)		B	58 (RHD)	H41	49 (LHD)
		56 (RHD)	B25	A	50 (LHD)		57 (RHD)
B5	B	48 (LHD)		B	58 (RHD)	J1	48 (LHD)
		56 (RHD)	H20		49 (LHD)		56 (RHD)
B6	C	48 (LHD)			57 (RHD)		

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5S		

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB2	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (RH Side of Instrument Panel R/B)
	72 (RHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Near the Parking Brake SW)
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB3	64 (LHD)	
	72 (RHD)	
HJ1	64 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Upper Side of Glove Box)
	72 (RHD)	

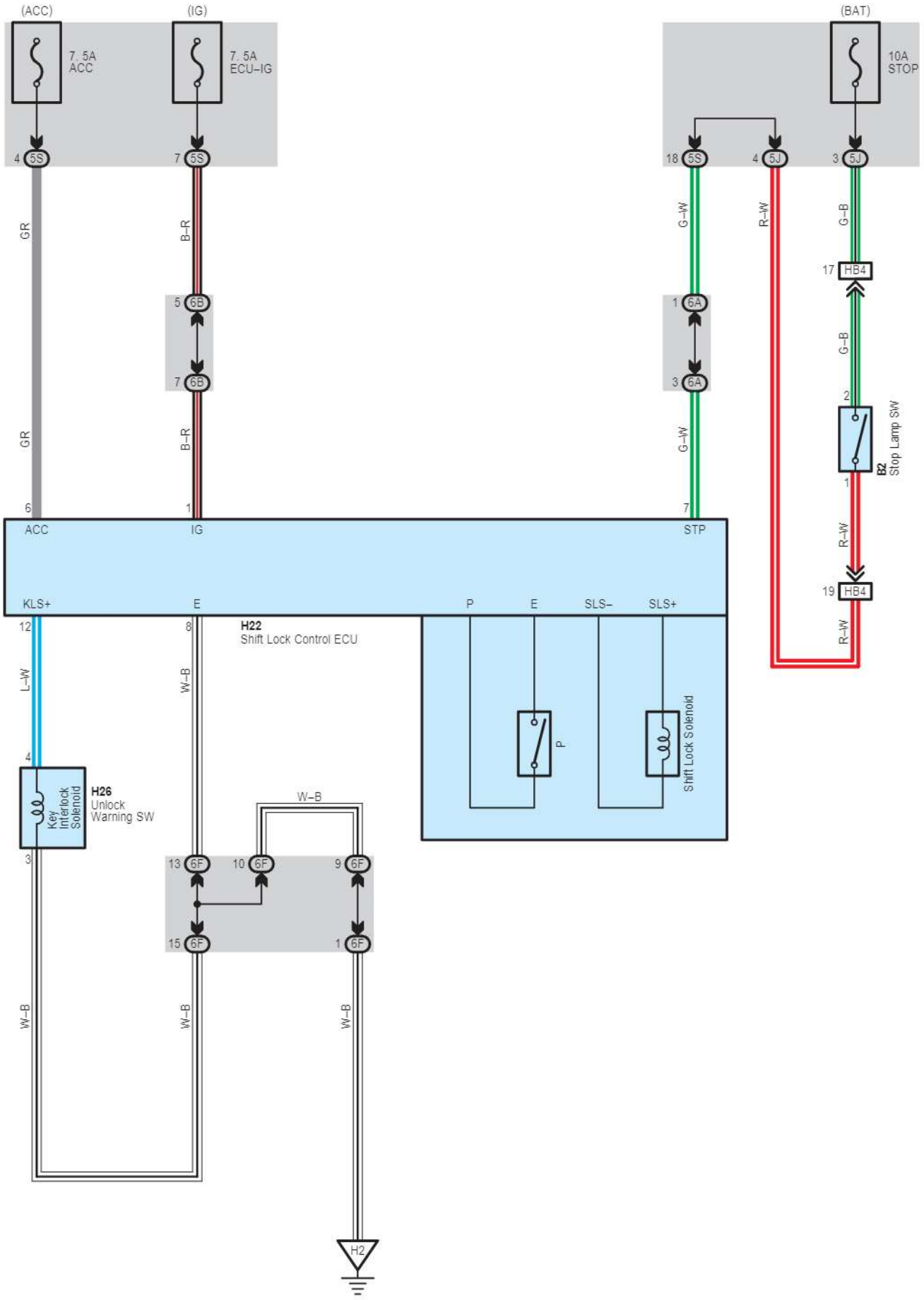
▽ : Ground Points

Code	See Page	Ground Points Location
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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System Outline

When the ignition SW is turned to ACC position the current from the ACC fuse flows to TERMINAL 6 of the shift lock control ECU. When the ignition SW is turned to ON position, the current from the ECU–IG fuse flows to TERMINAL 1 of the shift lock control ECU.

1. Shift Lock Mechanism

If the brake pedal is depressed with the ignition SW set at ON (The stop lamp SW is on), the shift lock control ECU is activated, allowing the driver to change the shift lever to a position other than the P position.

2. Key Interlock Mechanism

With the ignition SW at ON or ACC position, when the shift lever is put in P position, the current flowing from TERMINAL 12 of the shift lock control ECU to key interlock solenoid is cut off. This causes the key interlock solenoid to turn off (Lock lever disengages from LOCK position) and the ignition key can be turned from ACC to LOCK position.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B2	48 (LHD)	H22	49 (LHD)	H26	49 (LHD)
	56 (RHD)		57 (RHD)		57 (RHD)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5J	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5S	31	
6A	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6B	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

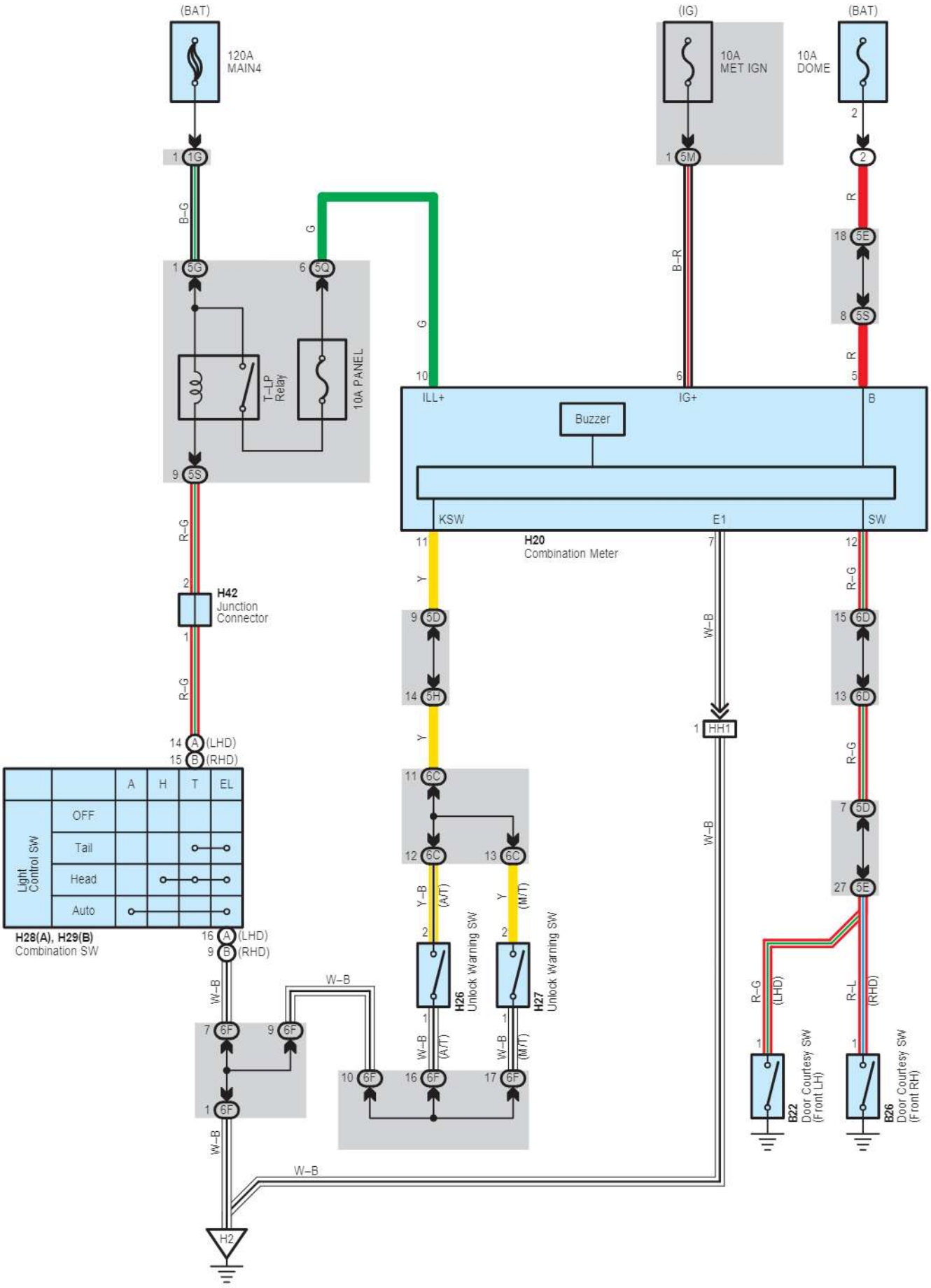
▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HB4	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	

▽ : Ground Points

Code	See Page	Ground Points Location
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

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System Outline

The current is applied at all times to TERMINAL 5 of the combination meter through the DOME fuse.
When the ignition SW is turned to ON position, the current flows to TERMINAL 6 of the combination meter through the MET IGN fuse. When the light control SW is turned to TAIL or HEAD position, current is applied to TERMINAL 10 of the combination meter through the PANEL fuse.

1. Key Reminder System

When the driver door is opened with the ignition SW off and ignition key remaining in the key cylinder (Unlock warning SW on), a signal is input from the unlock warning SW to TERMINAL 11 of the combination meter, and from the door courtesy SW (Driver's side) to TERMINAL 12 of the combination meter. As a result, the buzzer in the combination meter goes on and warns the driver that the key is remaining in the key cylinder.

2. Light Reminder System

When the light control SW is in TAIL or HEAD position, the ignition SW turned to OFF from ON position, ignition key is not in the key cylinder and the driver's door opened (Door courtesy SW on), the current flows to TERMINAL 6 of the combination meter stops. As a result, the combination meter is activated and current flows from TERMINAL 5 of the combination meter, the buzzer in the combination meter goes on to remind the light is lighting up.

: Parts Location

Code	See Page	Code	See Page	Code		See Page
B22	50 (LHD)	H26	49 (LHD)	H28	A	49 (LHD)
B26	58 (RHD)		57 (RHD)	H29	B	57 (RHD)
H20	49 (LHD)	H27	49 (LHD)	H42		49 (LHD)
	57 (RHD)		57 (RHD)			57 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5Q		
5S		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

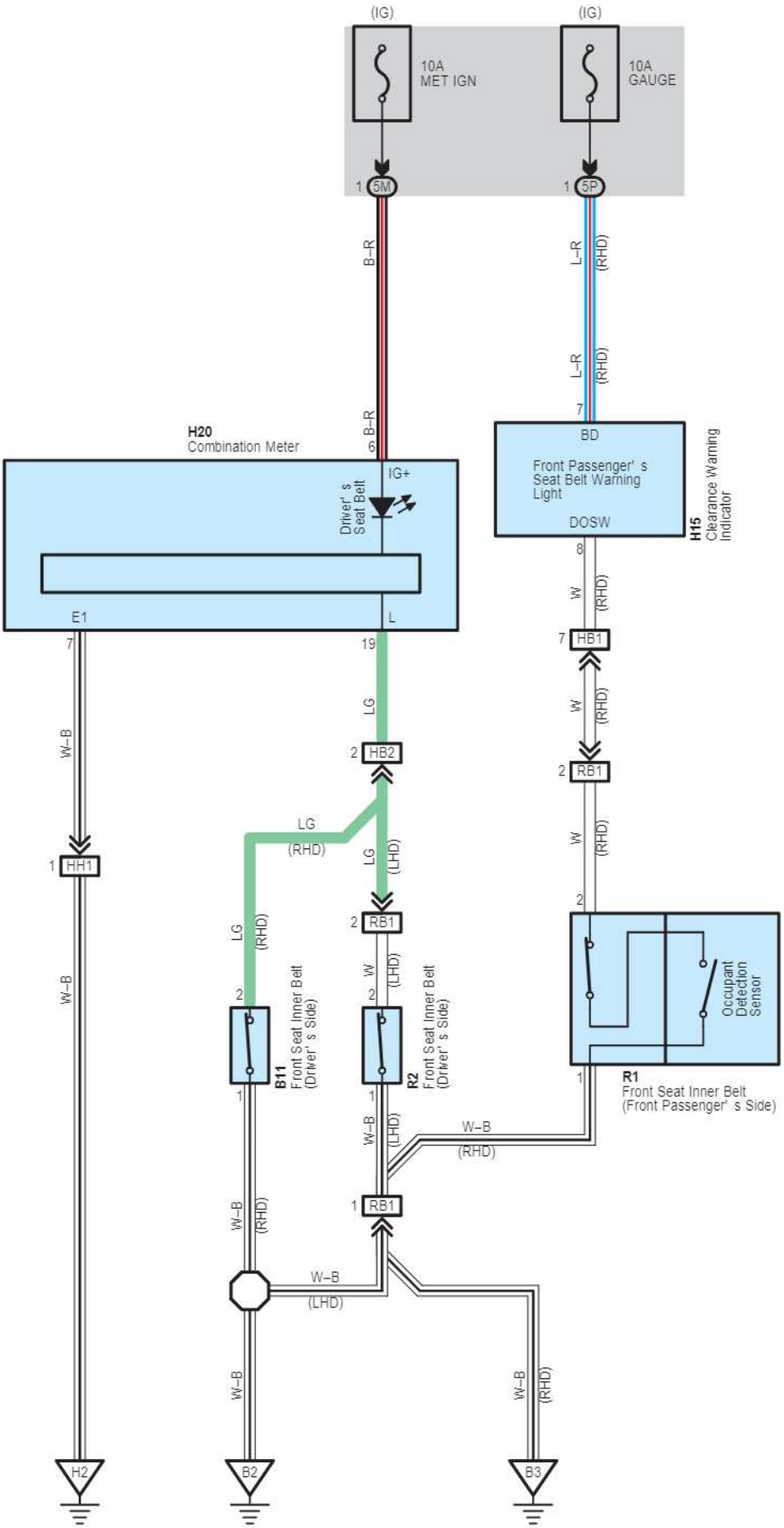
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)

: Ground Points

Code	See Page	Ground Points Location
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

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System Outline

When the ignition SW is turned to ON position, the current from the MET IGN fuse flows to TERMINAL 6 of the combination meter.

Seat Belt Warning System

When the ignition SW turned on, a signal is input to the combination meter. To determine whether the driver has fastened the seat belt, a signal is input from the front seat inner belt (Driver's side) to TERMINAL 19 of the combination meter. When the seat belt is not fastened, the driver's seat belt warning light in the combination meter blinks.

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
B11	52 (*4)	H20	49 (LHD)	R2	50 (LHD)
	53 (*5)		57 (RHD)		
H15	57 (RHD)	R1	58 (RHD)		

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5P		

▭ : Connector Joining Wire Harness and Wire Harness

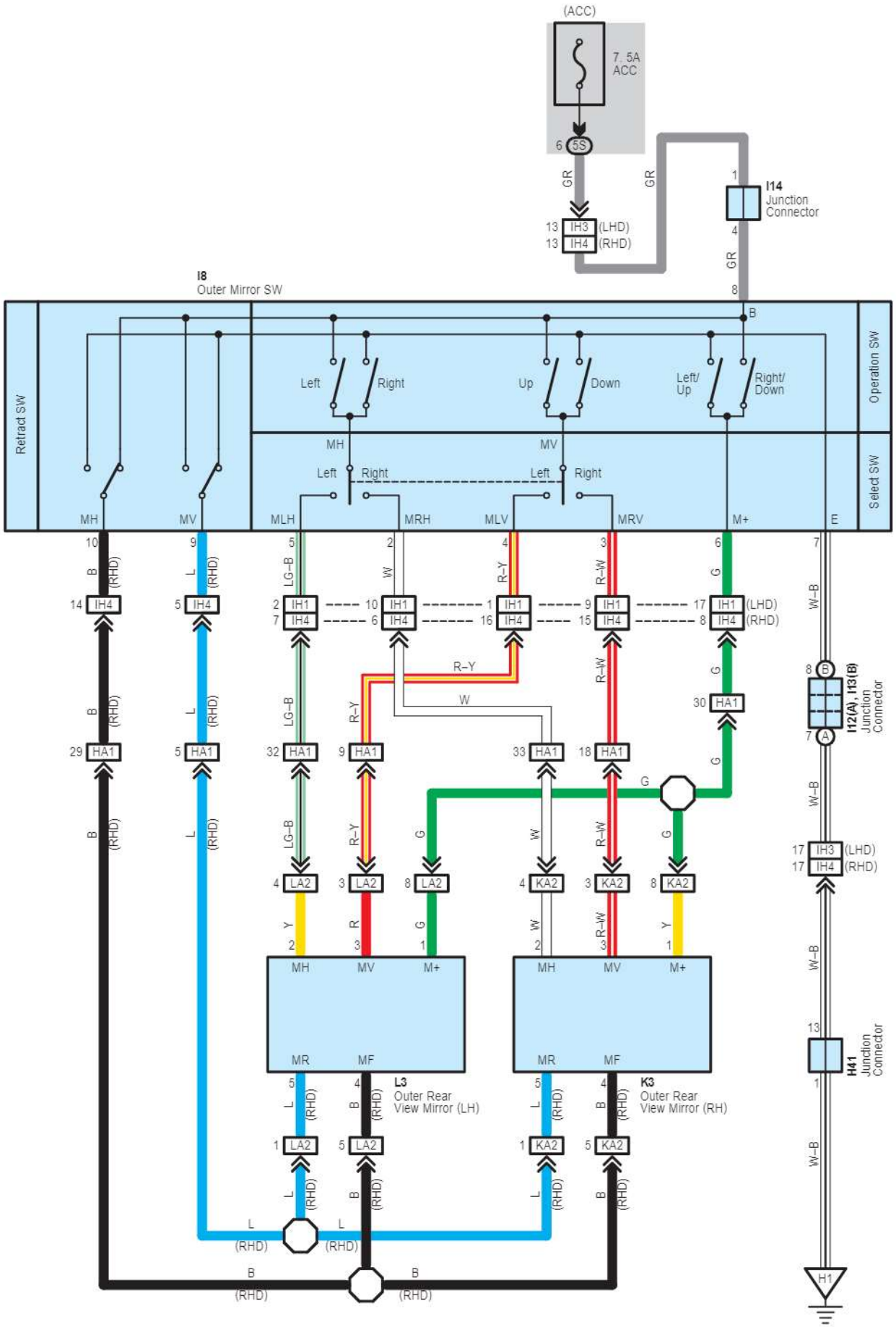
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
RB1	66 (LHD)	Seat No.2 Wire and Engine Room Main Wire (Center Pillar LH)
	74 (RHD)	

▽ : Ground Points

Code	See Page	Ground Points Location
B2	60 (*1)	Front Floor Panel Right
	61 (*2)	
	68 (*4)	
	69 (*5)	
B3	68 (*4)	Front Floor Panel Left
	69 (*5)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Parts Location

Code		See Page	Code		See Page	Code	See Page
H41		49 (LHD)	I12	A	56 (RHD)	K3	50 (LHD)
		57 (RHD)	I13	B	48 (LHD)		58 (RHD)
I8		48 (LHD)			56 (RHD)	L3	50 (LHD)
		56 (RHD)	I14		48 (LHD)		58 (RHD)
I12	A	48 (LHD)			56 (RHD)		

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5S	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)

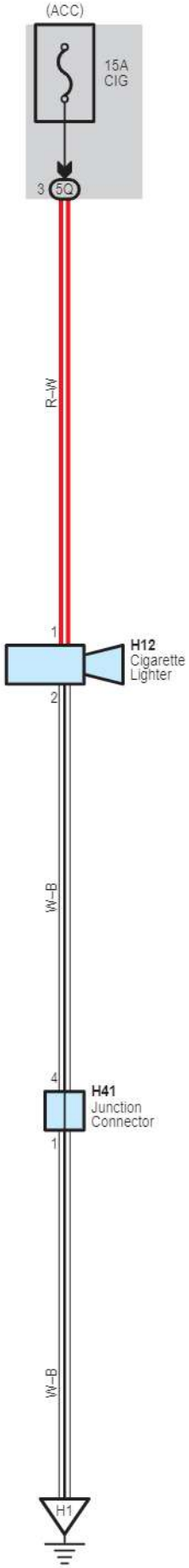
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
IH1	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH4	72 (RHD)	
KA2	65 (LHD)	Front Door RH Wire and Cowl to Head Lamp Wire (Right Kick Panel)
	73 (RHD)	
LA2	65 (LHD)	Front Door LH Wire and Cowl to Head Lamp Wire (Left Kick Panel)
	73 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

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○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
H12	49 (LHD)	H41	49 (LHD)		
	57 (RHD)		57 (RHD)		

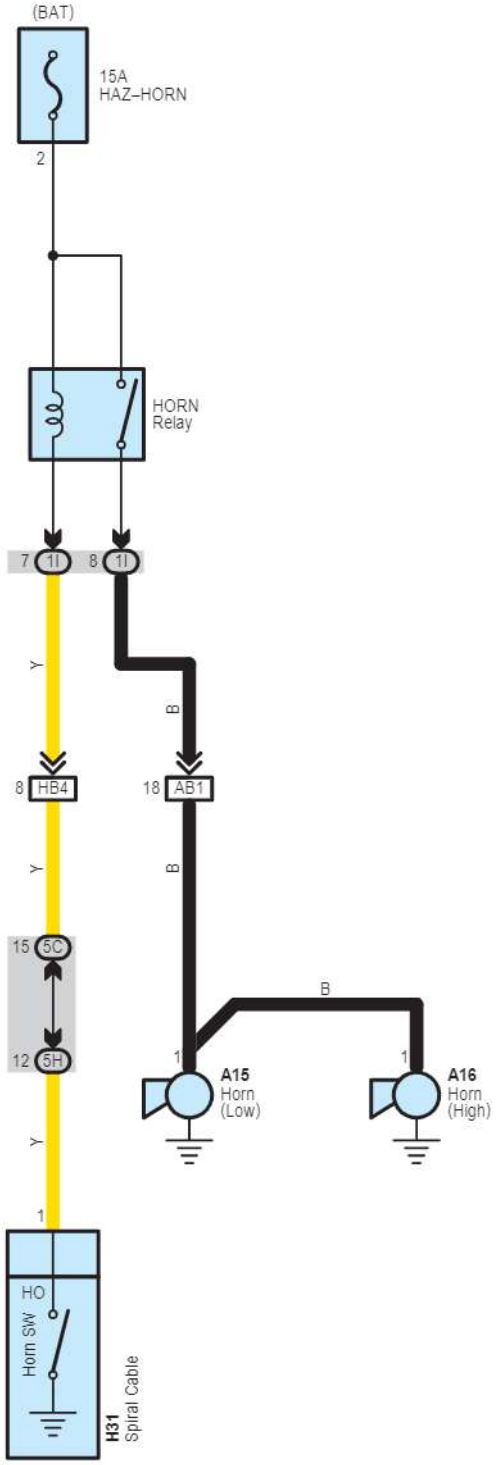
⬭ : **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
5Q	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)

▽ : **Ground Points**

Code	See Page	Ground Points Location
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

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○ : **Parts Location**

Code	See Page	Code	See Page	Code	See Page
A15	48 (LHD)	A16	48 (LHD)	H31	49 (LHD)
	56 (RHD)		56 (RHD)		57 (RHD)

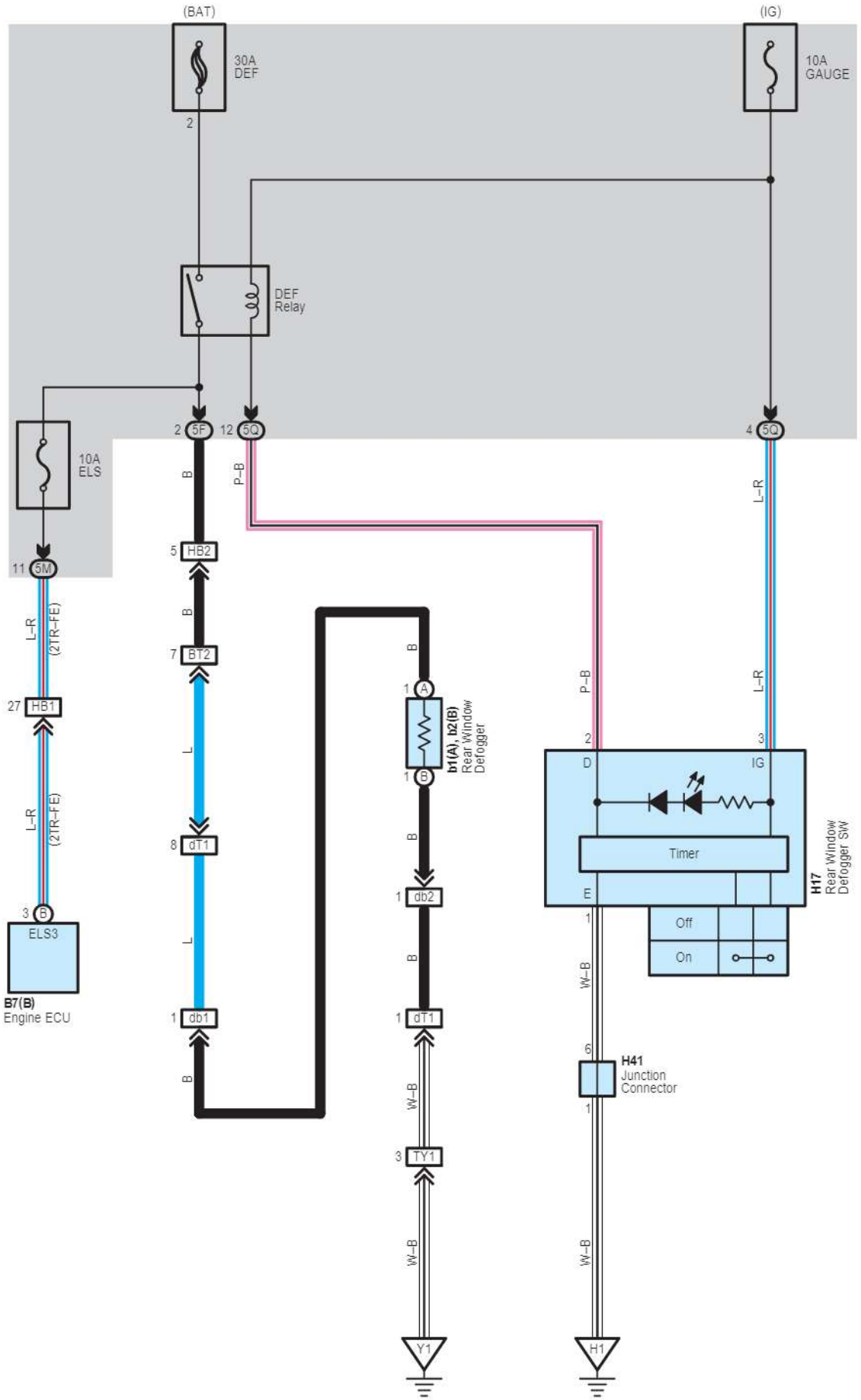
⬭ : **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1I	25	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5C	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H		

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

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
HB4	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	

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: Parts Location

Code		See Page	Code		See Page	Code		See Page
B7	B	44 (*1)	H41		49 (LHD)	b2	B	51 (LHD)
		52 (*4)			57 (RHD)			59 (RHD)
H17		49 (LHD)	b1	A	51 (LHD)			
		57 (RHD)			59 (RHD)			

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5F	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5Q		

: Connector Joining Wire Harness and Wire Harness

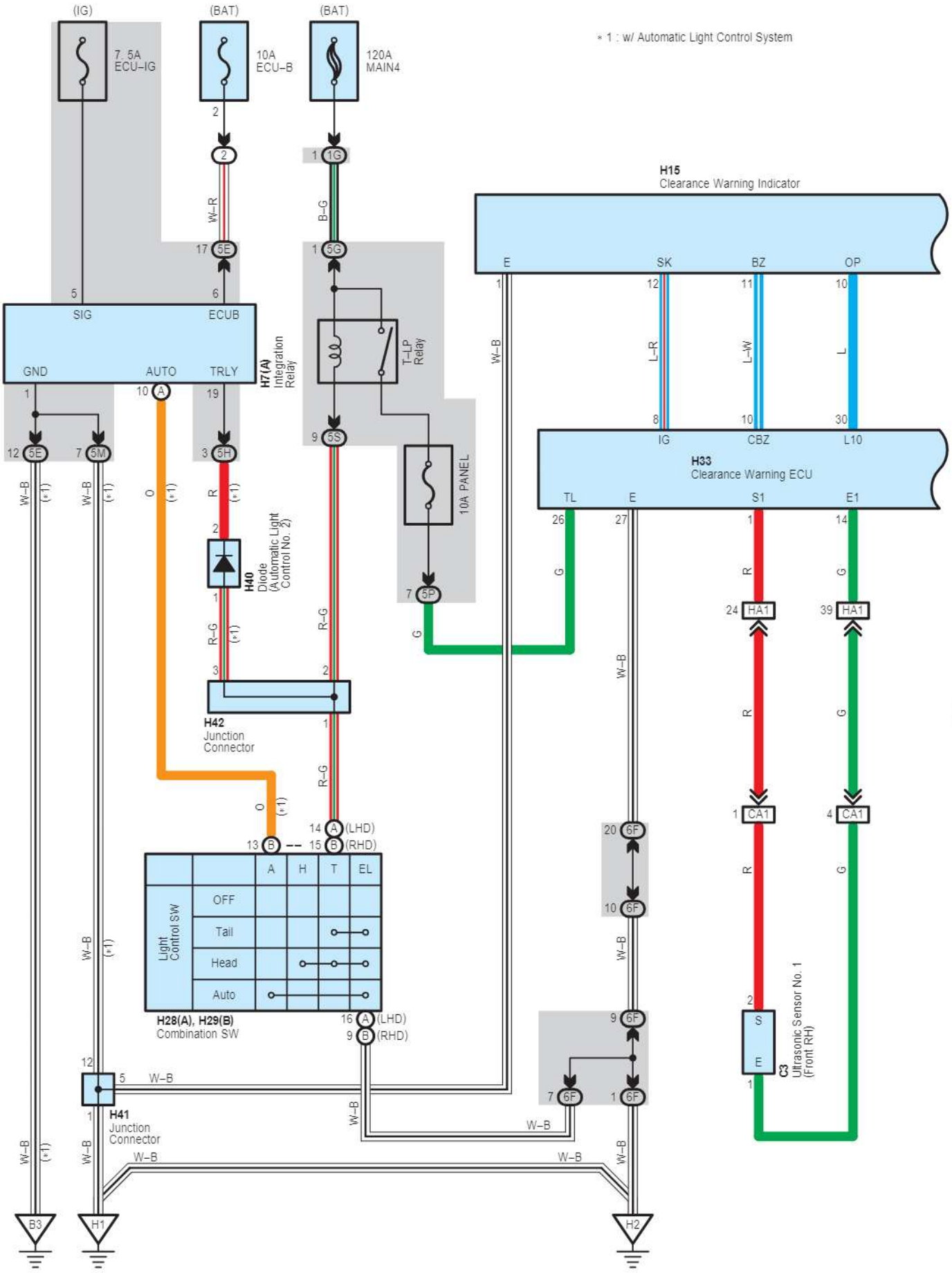
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BT2	64 (LHD)	Engine Room Main Wire and Roof Wire (Cowl Side Panel LH)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
TY1	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
	74 (RHD)	
dT1	66 (LHD)	Back Door No.3 Wire and Roof Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	
db1	66 (LHD)	Back Door No.3 Wire and Rear Window No.1 Wire (Near the Center Stop Lamp)
	74 (RHD)	
db2	66 (LHD)	Back Door No.3 Wire and Rear Window No.1 Wire (Near the Rear Wiper Motor)
	74 (RHD)	

: Ground Points

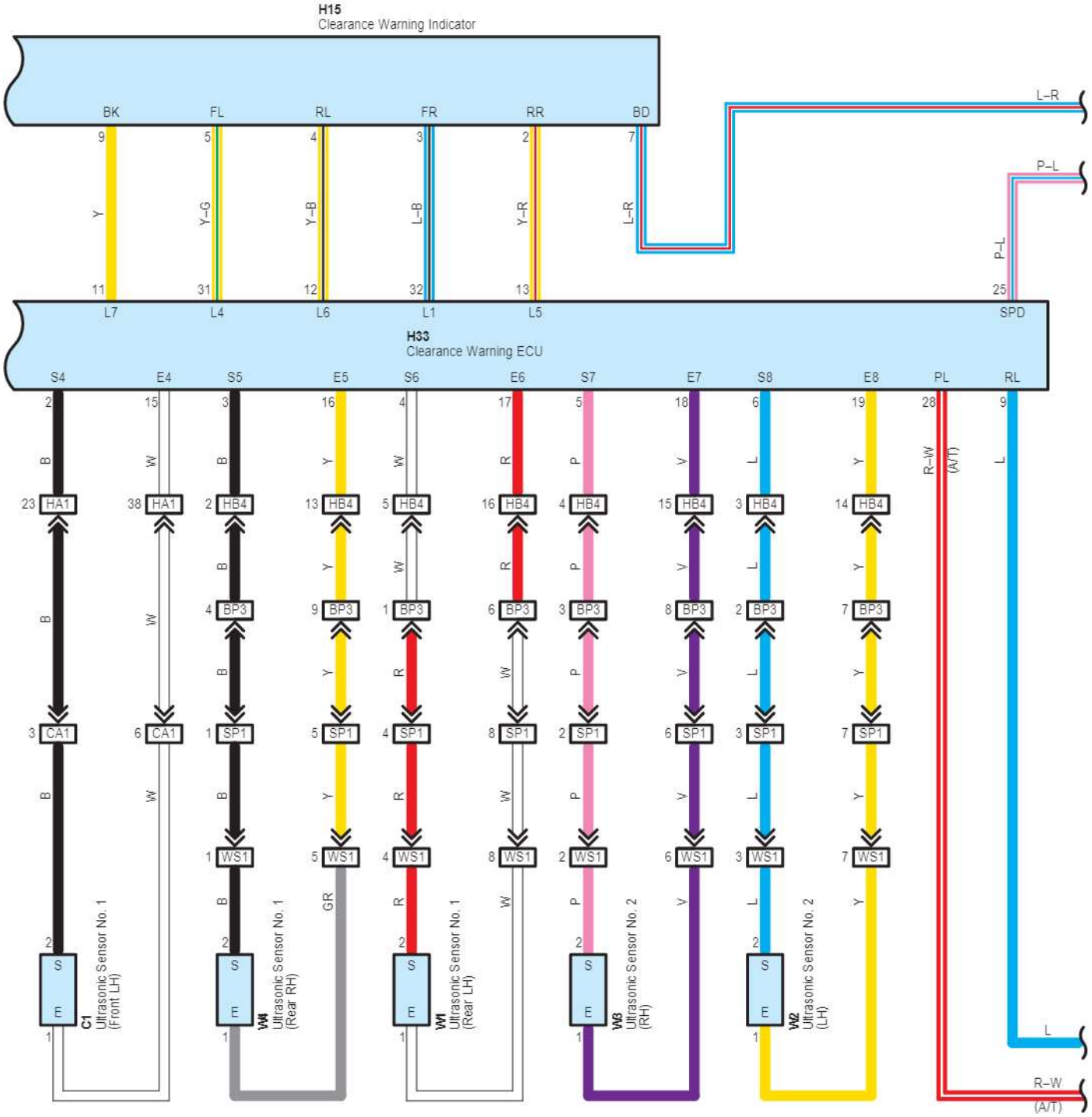
Code	See Page	Ground Points Location
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
Y1	66 (LHD)	Left Quarter Panel
	74 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

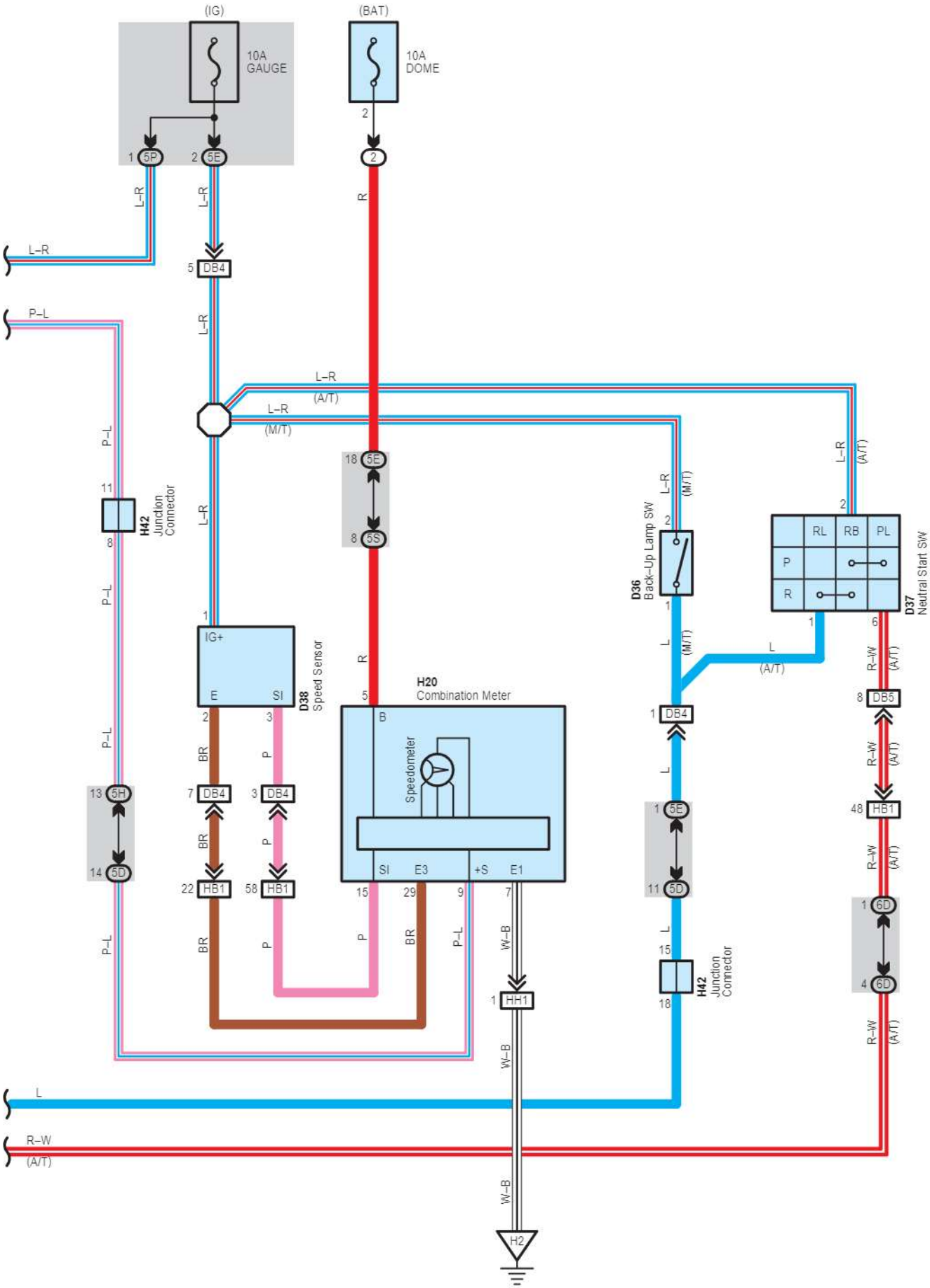
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System Outline

The sonar is a warning system with buzzer sound of distance and position of obstacle from the ultrasonic sensor No.1, No.2 which detects obstacles behind the vehicle.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C1	48 (LHD)	H15	49 (LHD)	H42	49 (LHD)
	56 (RHD)		57 (RHD)		57 (RHD)
C3	48 (LHD)	H20	49 (LHD)	W1	51 (LHD)
	56 (RHD)		57 (RHD)		59 (RHD)
D36	44 (*1)	H28 A	49 (LHD)	W2	51 (LHD)
	52 (*4)	H29 B	57 (RHD)		59 (RHD)
D37	44 (*1)	H33	49 (LHD)	W3	51 (LHD)
	52 (*4)		57 (RHD)		59 (RHD)
D38	44 (*1)	H40	57 (RHD)	W4	51 (LHD)
	52 (*4)	H41	49 (LHD)		59 (RHD)
H7 A	57 (RHD)		57 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5P		
5S		
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BP3	66 (LHD)	Engine Room Main Wire and Frame Wire (Under the Floor Panel)
	74 (RHD)	
CA1	64 (LHD)	Engine Room No.4 Wire and Cowl to Head Lamp Wire (Dash Panel Left)
	72 (RHD)	
DB4	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	68 (*4)	
DB5	60 (*1)	
	68 (*4)	
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
SP1	66 (LHD)	Frame No.3 Wire and Frame Wire (Under the Floor Panel)
	74 (RHD)	
WS1	66 (LHD)	Luggage Room Wire and Frame No.3 Wire (Inside of Rear Bumper LH Side)
	74 (RHD)	

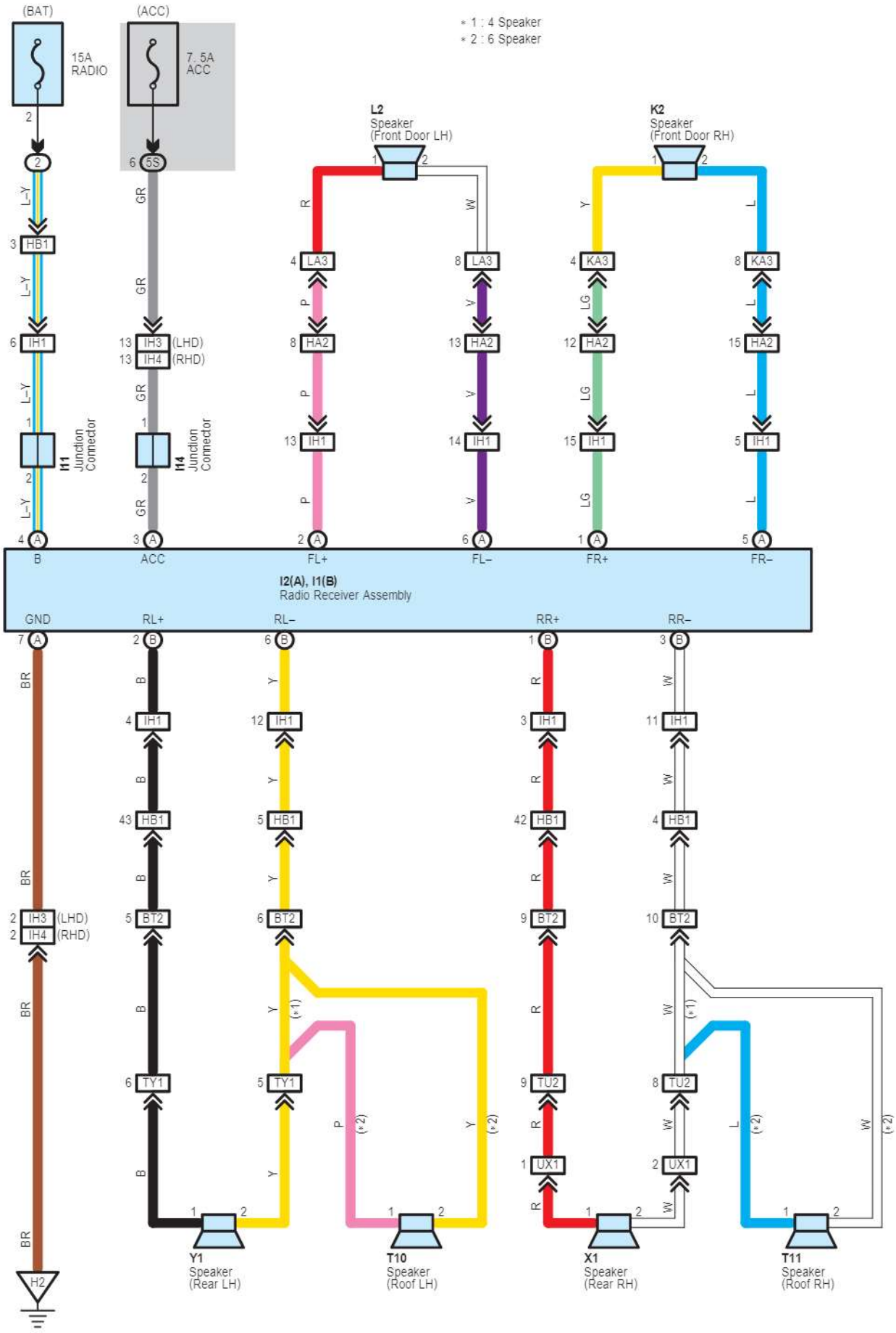
: Ground Points

Code	See Page	Ground Points Location
B3	68 (*4)	Front Floor Panel Left
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
H2	64 (LHD)	
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Parts Location

Code		See Page	Code	See Page	Code	See Page
I1	B	48 (LHD)	I14	48 (LHD)	T10	50 (LHD)
		56 (RHD)		56 (RHD)	T11	50 (LHD)
I2	A	48 (LHD)	K2	50 (LHD)	X1	51 (LHD)
		56 (RHD)		58 (RHD)		59 (RHD)
I11		48 (LHD)	L2	50 (LHD)	Y1	51 (LHD)
		56 (RHD)		58 (RHD)		59 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5S	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)

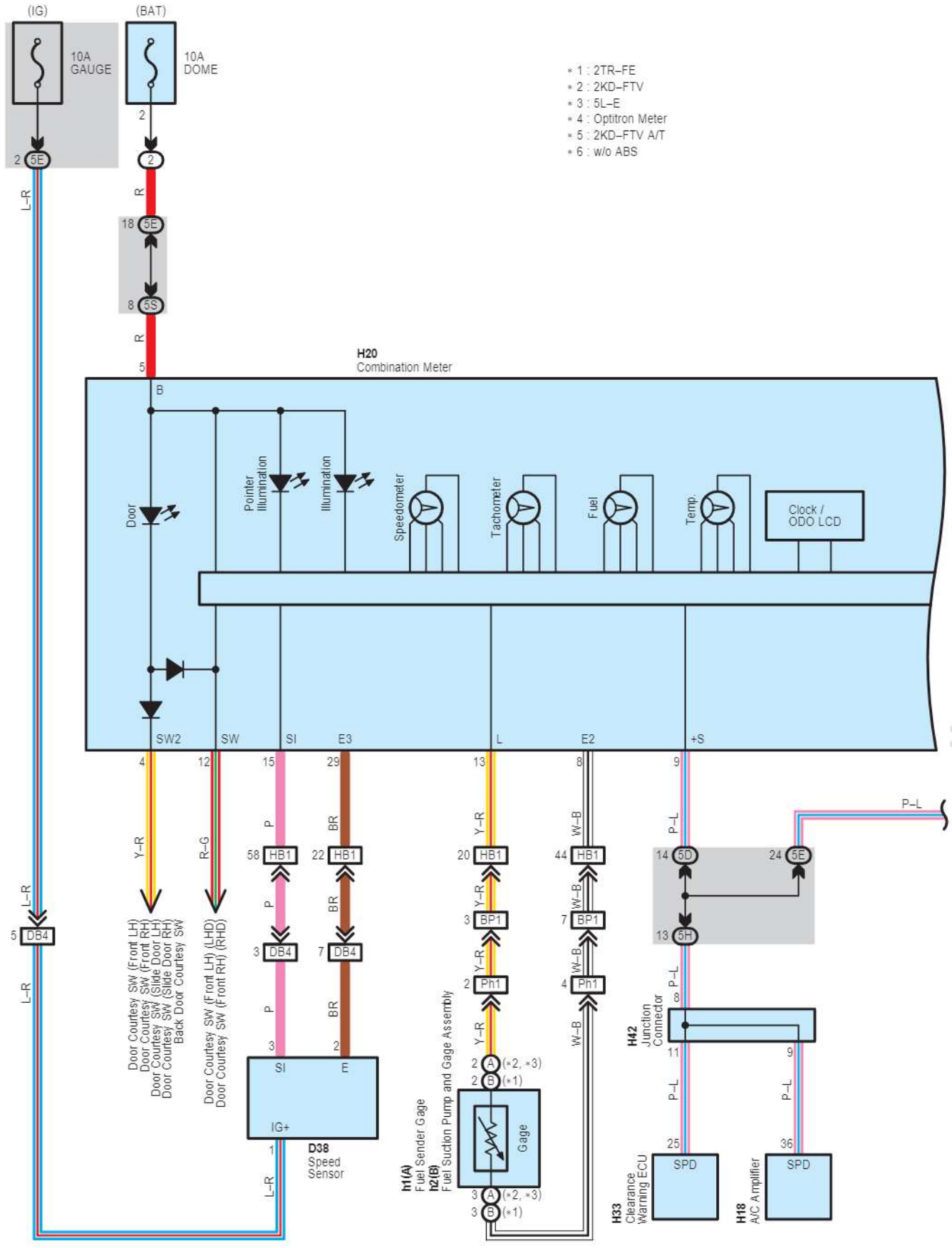
: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BT2	64 (LHD)	Engine Room Main Wire and Roof Wire (Cowl Side Panel LH)
	72 (RHD)	
HA2	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
IH1	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
	72 (RHD)	
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH4	72 (RHD)	
KA3	65 (LHD)	Front Door RH Wire and Cowl to Head Lamp Wire (Right Kick Panel)
	73 (RHD)	
LA3	65 (LHD)	Front Door LH Wire and Cowl to Head Lamp Wire (Left Kick Panel)
	73 (RHD)	
TU2	66 (LHD)	Roof Wire and Roof No.2 Wire (Rear of the Left Side of the Roof Panel)
	74 (RHD)	
TY1	66 (LHD)	Roof Wire and Luggage Room No.3 Wire (Left Quarter Panel)
	74 (RHD)	
UX1	66 (LHD)	Roof No.2 Wire and Luggage Room No.2 Wire (Right Quarter Panel)
	74 (RHD)	

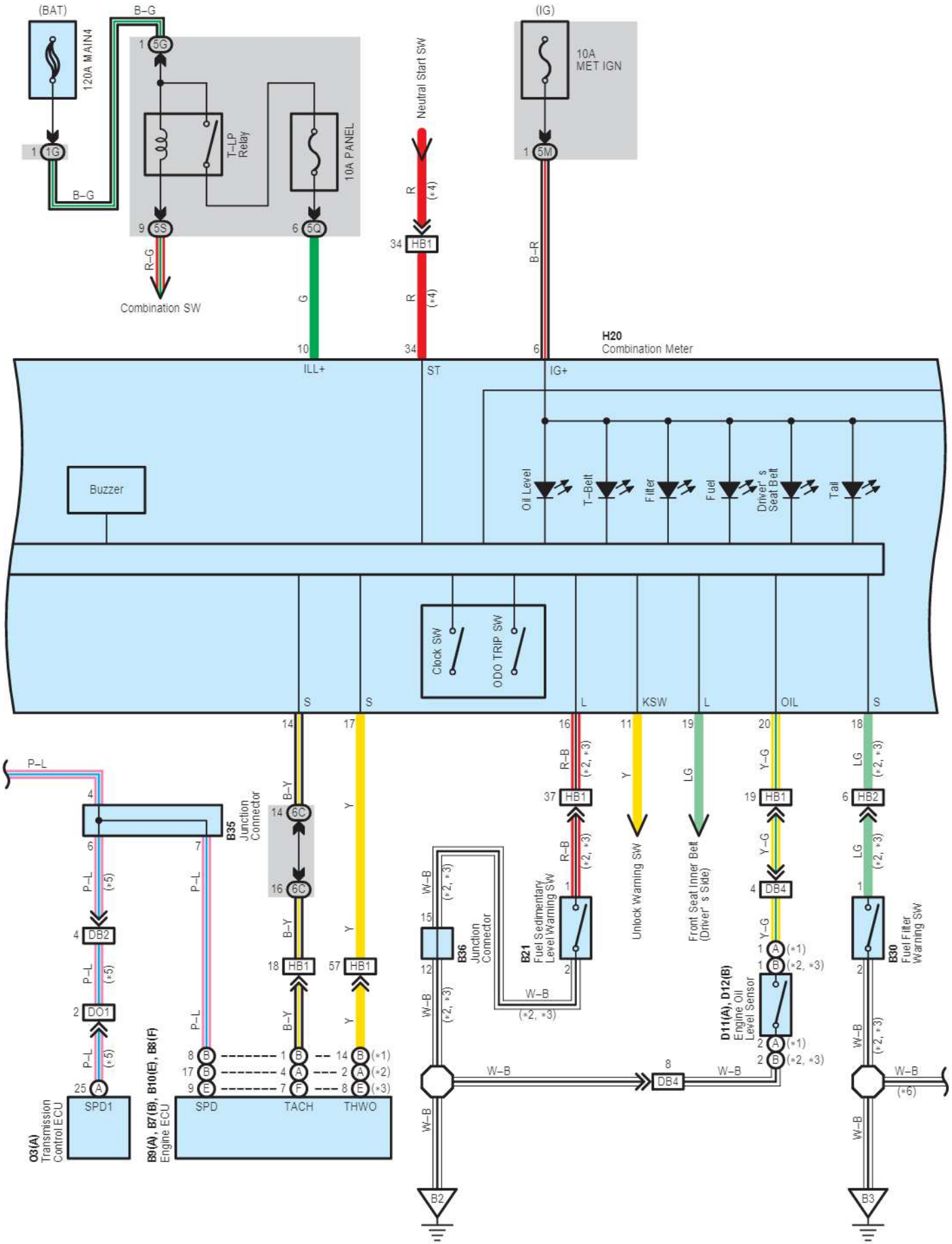
: Ground Points

Code	See Page	Ground Points Location
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

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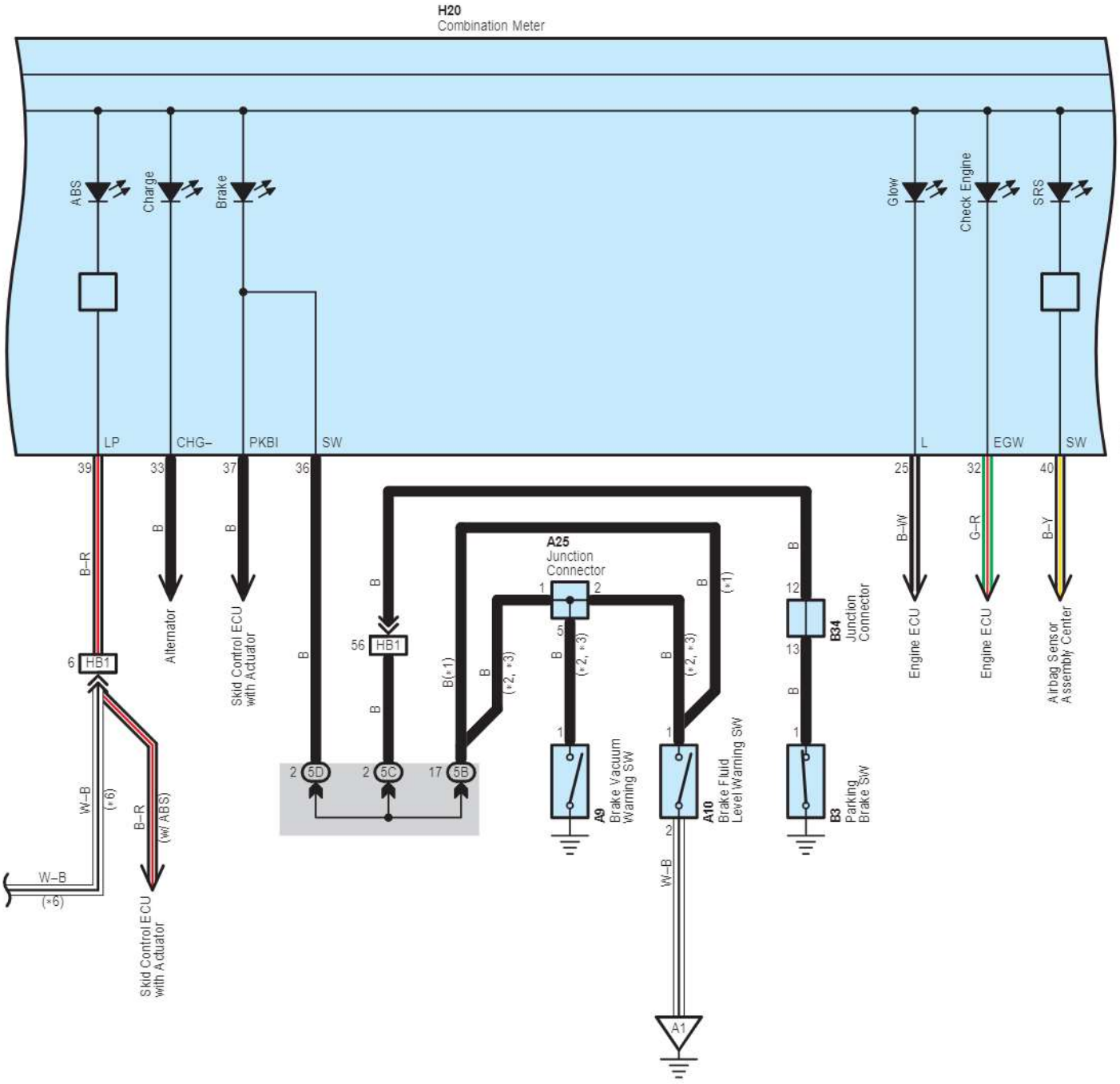


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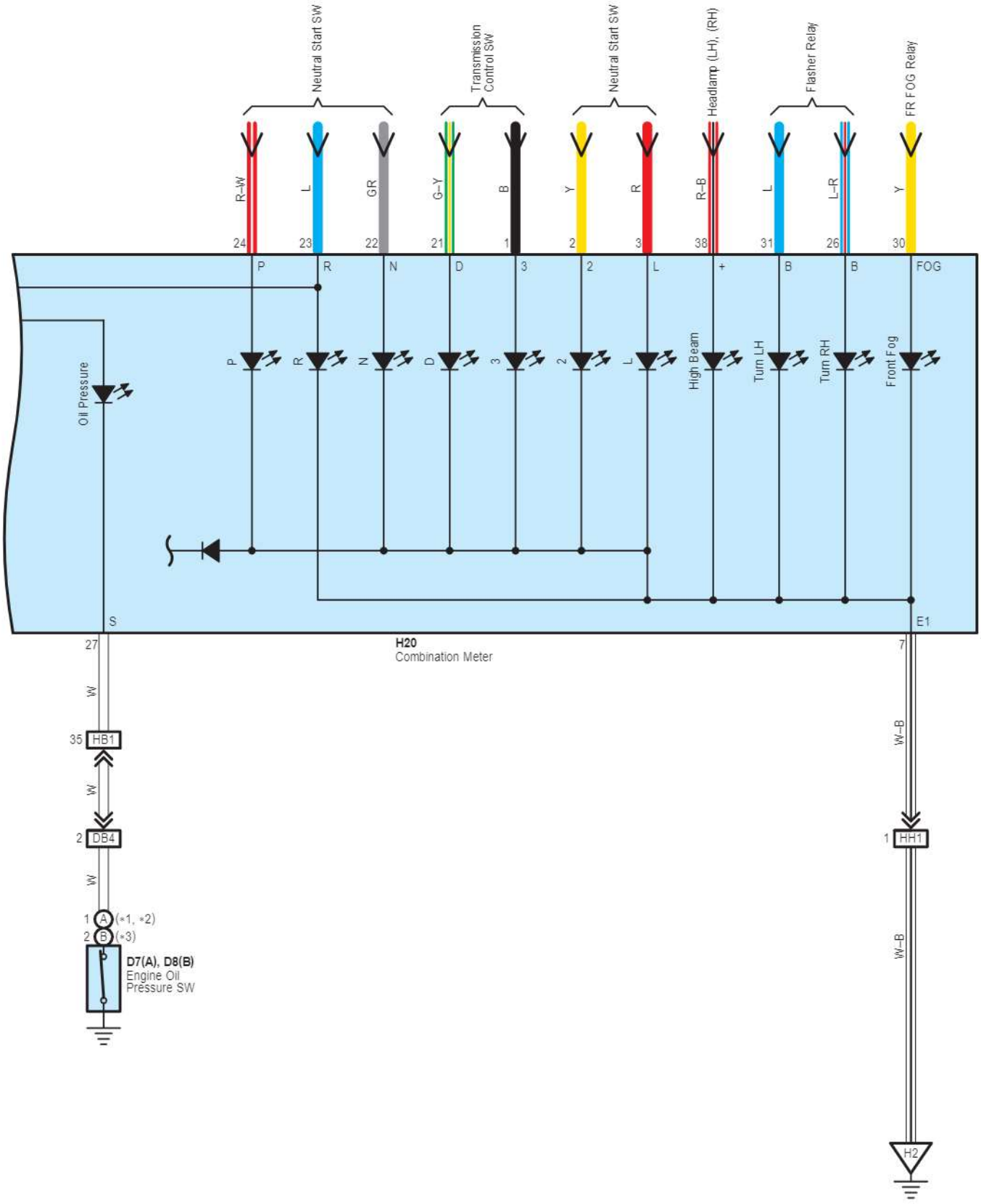


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* 1 : 2TR–FE
* 2 : 2KD–FTV
* 3 : 5L–E
* 6 : w/o ABS



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Combination Meter and Clock

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A9	48 (LHD)	B30	53 (*5)	D12 B	53 (*5)
	56 (RHD)		54 (*6)		54 (*6)
A10	48 (LHD)	B34	48 (LHD)	D38	44 (*1)
	56 (RHD)		56 (RHD)		45 (*2)
A25	48 (LHD)	B35	44 (*1)		46 (*3)
	56 (RHD)		45 (*2)		52 (*4)
B3	48 (LHD)		46 (*3)		53 (*5)
	56 (RHD)		52 (*4)		54 (*6)
B7 B	44 (*1)		53 (*5)	H18	49 (LHD)
	45 (*2)		54 (*6)		57 (RHD)
	52 (*4)	B36	45 (*2)	H20	49 (LHD)
	53 (*5)		46 (*3)		57 (RHD)
B8 F	46 (*3)		53 (*5)	H33	49 (LHD)
	54 (*6)		54 (*6)		57 (RHD)
B9 A	45 (*2)	D7 A	44 (*1)	H42	49 (LHD)
	53 (*5)		45 (*2)		57 (RHD)
B10 E	46 (*3)		52 (*4)	O3 A	48 (LHD)
	54 (*6)		53 (*5)		56 (RHD)
B21	45 (*2)	D8 B	46 (*3)	h1 A	51 (LHD)
	46 (*3)		54 (*6)		59 (RHD)
	53 (*5)	D11 A	44 (*1)	h2 B	51 (LHD)
	54 (*6)		52 (*4)		59 (RHD)
B30	45 (*2)	D12 B	45 (*2)		
	46 (*3)		46 (*3)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1G	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5C	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5D		
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5G		
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5Q		
5S		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: Connector Joining Wire Harness and Wire Harness

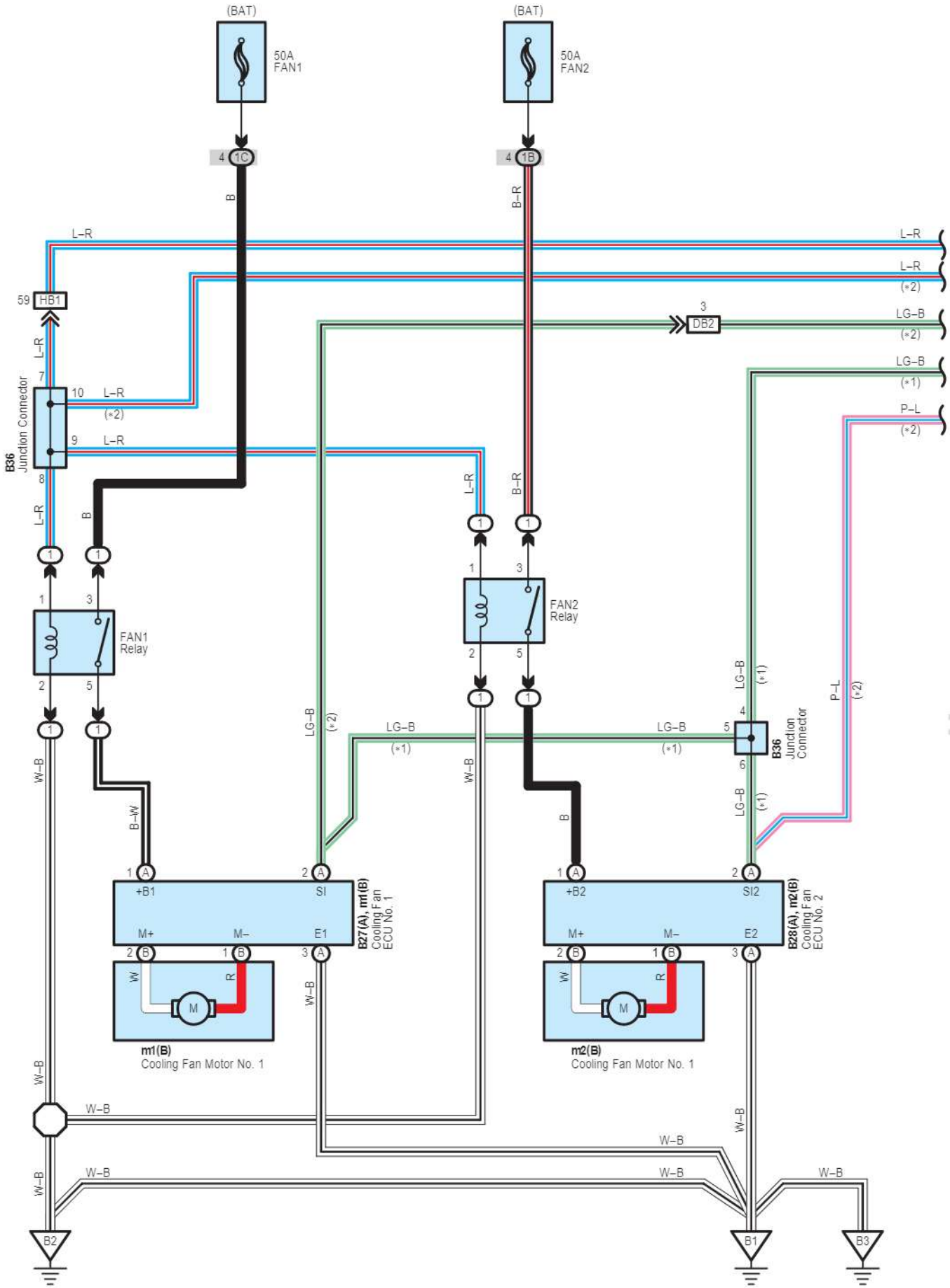
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BP1	66 (LHD)	Engine Room Main Wire and Frame Wire (Under the Floor Panel)
	74 (RHD)	
DB2	61 (*2)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	69 (*5)	
DB4	60 (*1)	
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
DO1	61 (*2)	Engine Wire and Floor Wire (Front Floor Panel Right)
	69 (*5)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
Ph1	66 (LHD)	Frame Wire and Fuel Tank Wire (Near the Fuel Tank)
	74 (RHD)	

: Ground Points

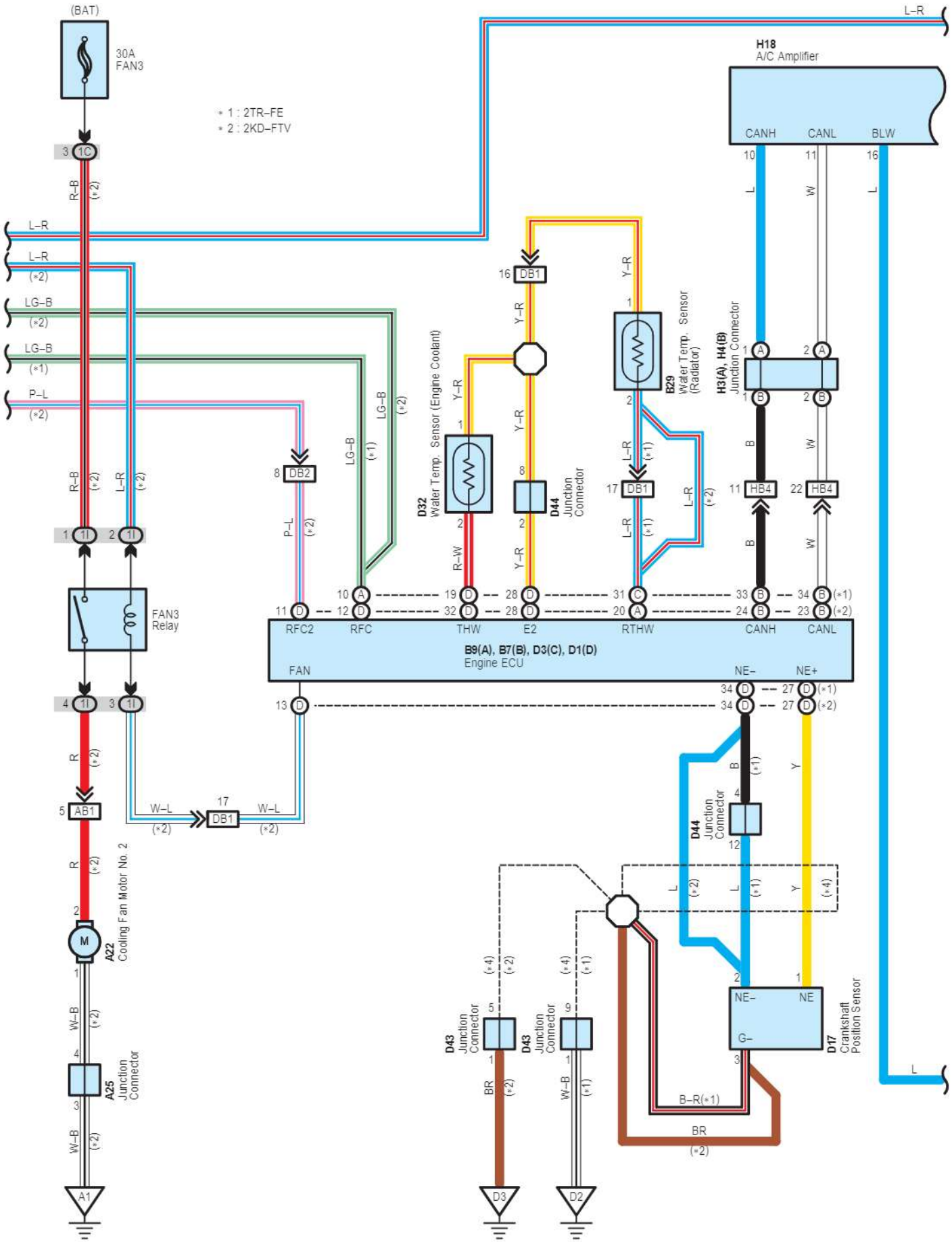
Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
B2	60 (*1)	Front Floor Panel Right
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

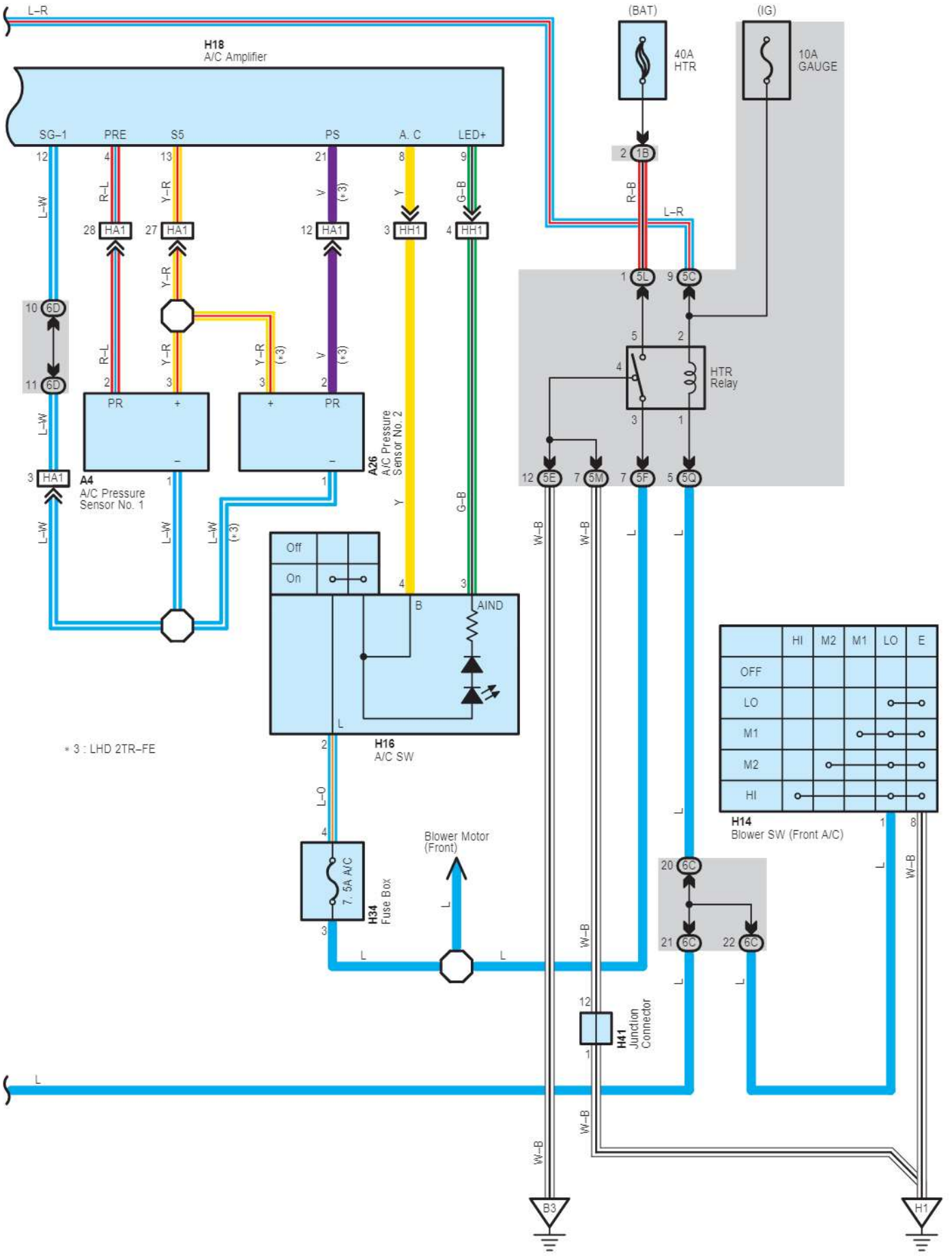
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System Outline

System Operation

If the ignition SW is turned to ON, the current from the GAUGE fuse is sent to the coil side and the FAN1, FAN2, FAN3 relay is turned to ON. Then the current flows to TERMINAL (A) 1 of the cooling fan ECU No.1, No.2. At the same time, the conditions of the A/C SW, A/C pressure sensor, water temp. sensor and engine rotation are sent to the TERMINAL (A) 2 as signals from the TERMINAL RFC of the engine ECU. As a result of that, the cooling fan ECU No.1, No.2 continuously controls the rotation of the fan motor and keeps a balance between the cooling efficiency and silentness with the optimal fan rotation.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A4	48 (LHD)	B29	52 (*4)	D44	45 (*2)
	56 (RHD)		53 (*5)		52 (*4)
A22	48 (LHD)	B36	44 (*1)		53 (*5)
	56 (RHD)		45 (*2)	H3 A	42, 49 (LHD)
A25	48 (LHD)		52 (*4)		42, 57 (RHD)
	56 (RHD)		53 (*5)	H4 B	42, 49 (LHD)
A26	48 (LHD)	D1 D	44 (*1)		42, 57 (RHD)
B7 B	44 (*1)		45 (*2)	H14	49 (LHD)
	45 (*2)		52 (*4)		57 (RHD)
	52 (*4)		53 (*5)	H16	49 (LHD)
	53 (*5)	D3 C	44 (*1)		57 (RHD)
B9 A	44 (*1)		52 (*4)	H18	49 (LHD)
	45 (*2)	D17	44 (*1)		57 (RHD)
	52 (*4)		45 (*2)	H34	49 (LHD)
	53 (*5)		52 (*4)		57 (RHD)
B27 A	44 (*1)		53 (*5)	H41	49 (LHD)
	45 (*2)	D32	44 (*1)		57 (RHD)
	52 (*4)		45 (*2)	m1 B	44 (*1)
	53 (*5)		52 (*4)		45 (*2)
B28 A	44 (*1)		53 (*5)		52 (*4)
	45 (*2)	D43	44 (*1)		53 (*5)
	52 (*4)		45 (*2)	m2 B	44 (*1)
	53 (*5)		52 (*4)		45 (*2)
B29	44 (*1)		53 (*5)		52 (*4)
	45 (*2)	D44	44 (*1)		53 (*5)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	22 (*7)	Engine Room R/B No.1 (Engine Compartment Front)
	23 (*8)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: **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 No.1 (Engine Compartment Front)
1C		
1I	25	
5C	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5F	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5L	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5Q		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

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

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
DB1	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	61 (*2)	
	68 (*4)	
	69 (*5)	
DB2	61 (*2)	
	69 (*5)	
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

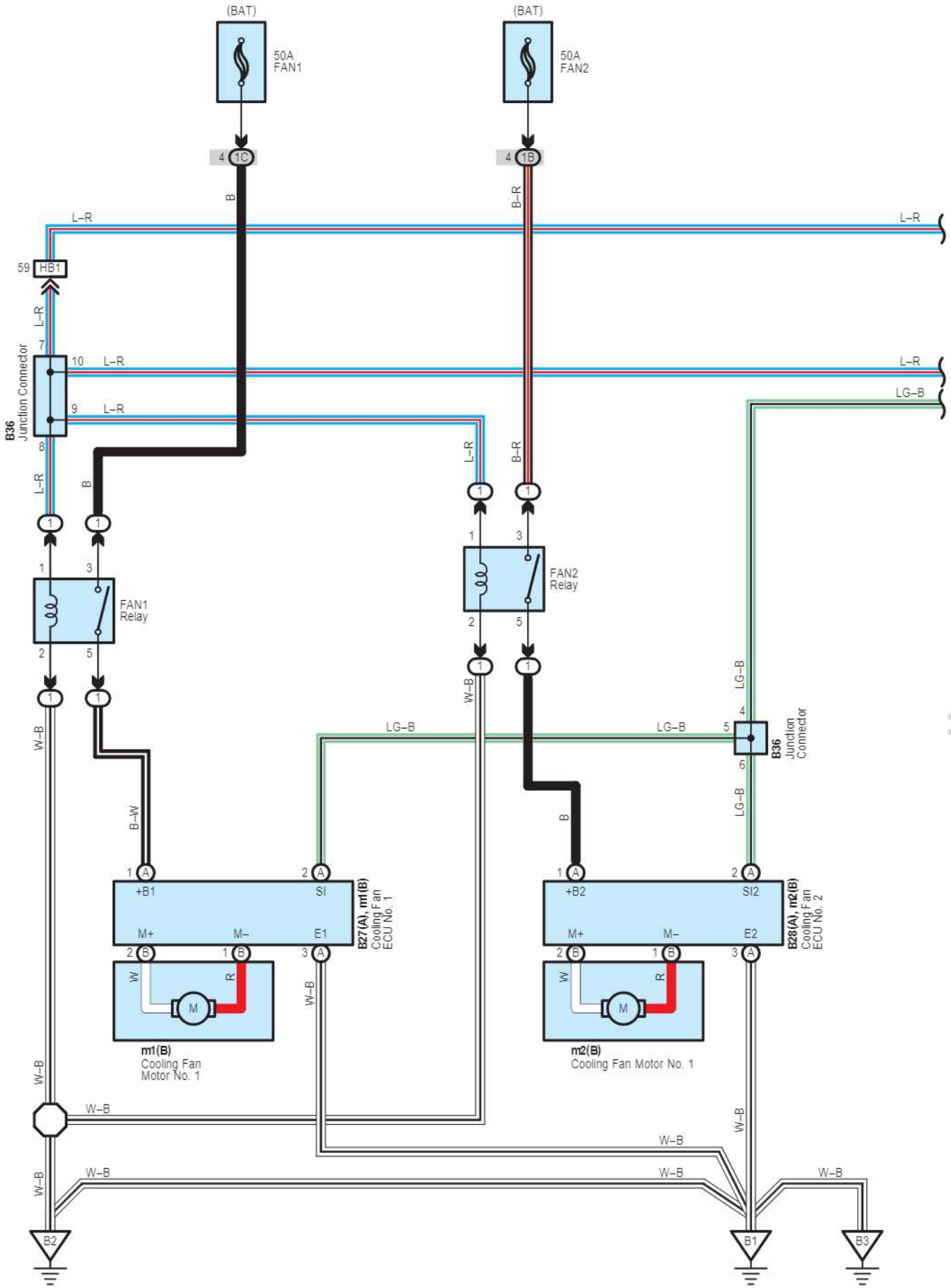
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▽ : **Ground Points**

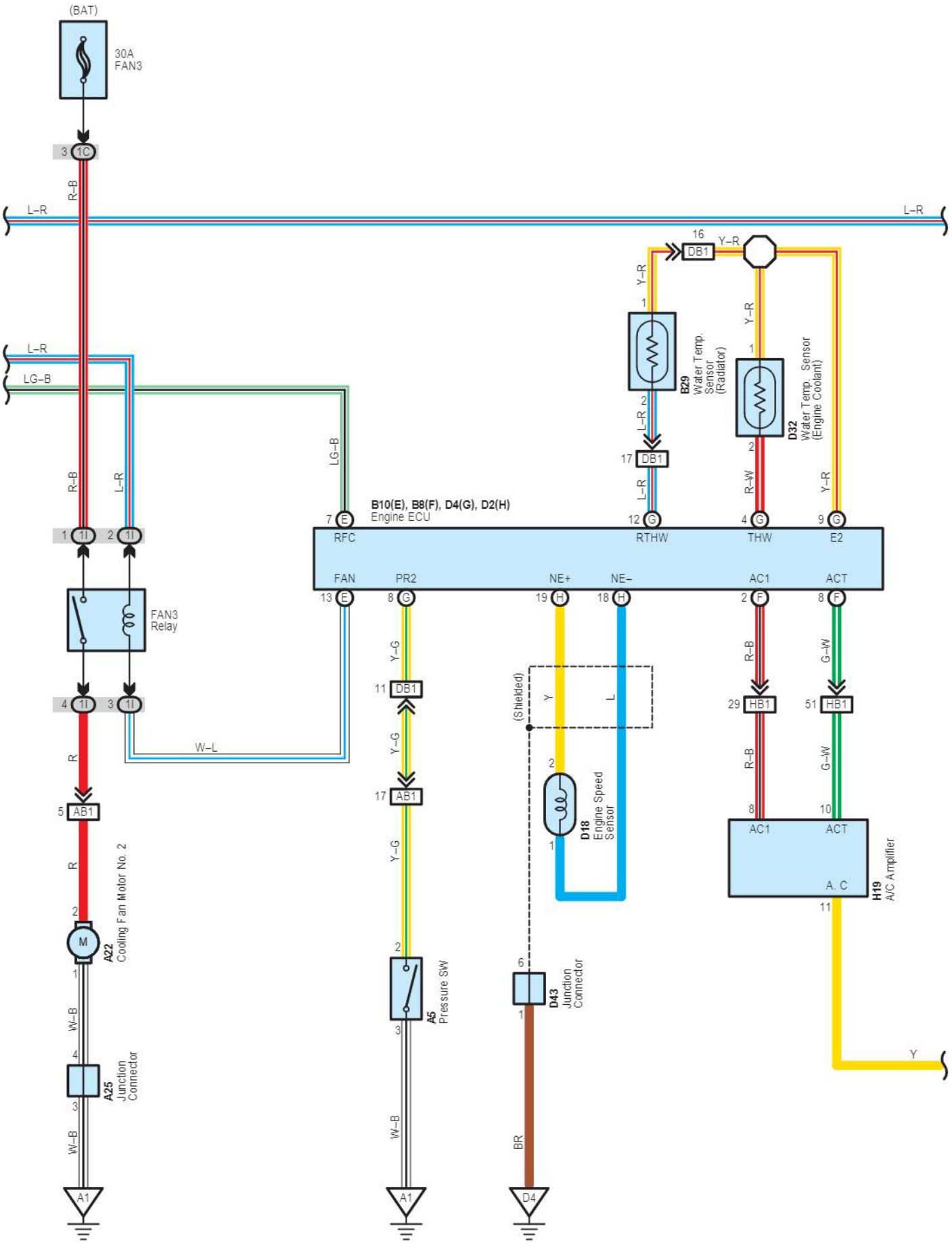
Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
B1	60 (*1)	Front Floor Panel Right
	61 (*2)	
	68 (*4)	
	69 (*5)	
B2	60 (*1)	
	61 (*2)	
	68 (*4)	
	69 (*5)	
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	68 (*4)	
	69 (*5)	
D2	60 (*1)	Engine Block
	68 (*4)	
D3	61 (*2)	
	69 (*5)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

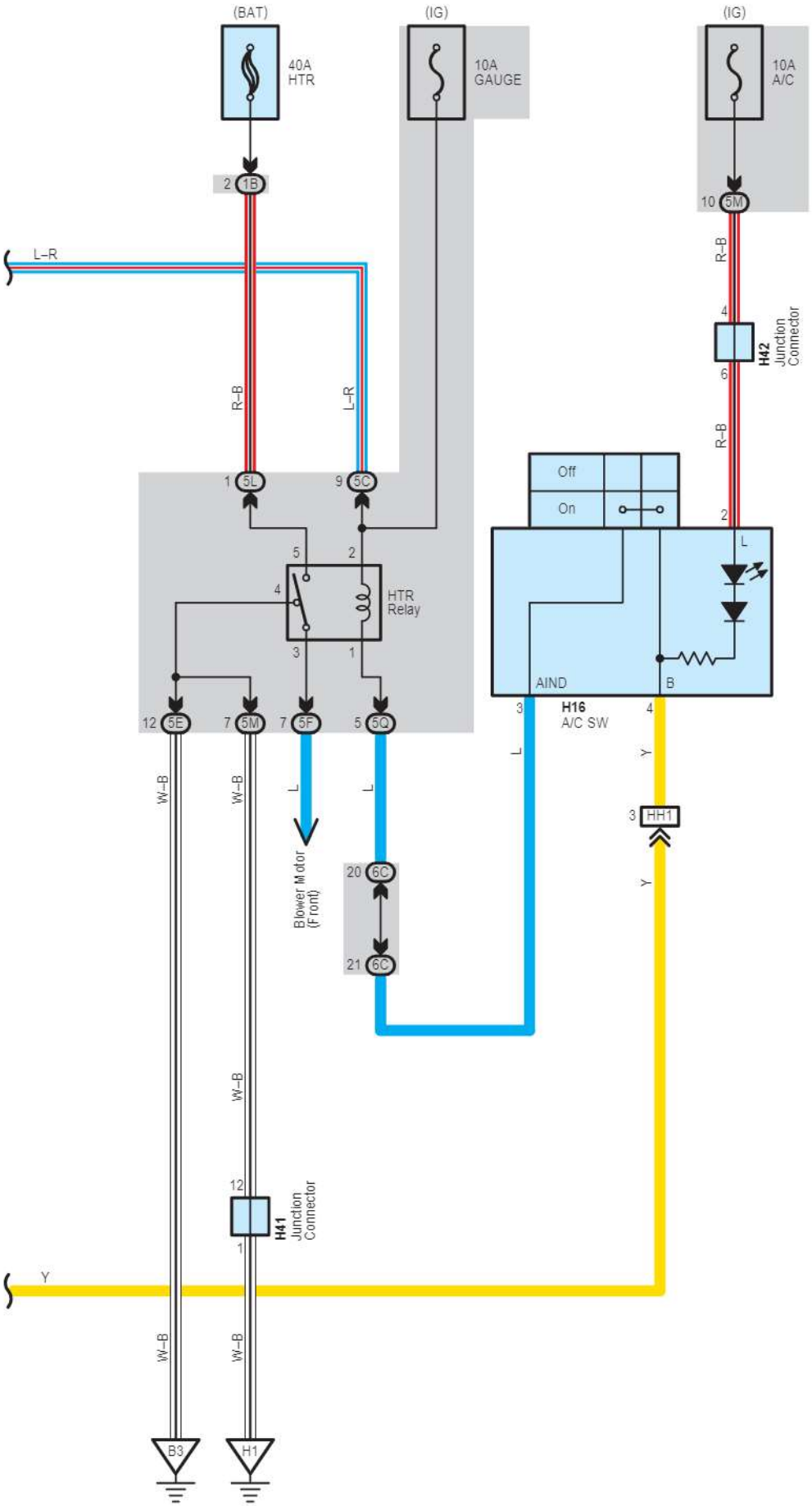
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System Outline

System Operation

If the ignition SW is turned to ON, the current from the GAUGE fuse is sent to the coil side and the FAN1, FAN2, FAN3 relay is turned to ON. Then the current flows to TERMINAL (A) 1 of the cooling fan ECU No.1, No.2. At the same time, the conditions of the A/C SW, A/C pressure sensor, water temp. sensor and engine rotation are sent to the TERMINAL (A) 2 as signals from the TERMINAL RFC of the engine ECU. As a result of that, the cooling fan ECU No.1, No.2 continuously controls the rotation of the fan motor and keeps a balance between the cooling efficiency and silentness with the optimal fan rotation.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A5	48 (LHD)	B29	46 (*3)	H16	49 (LHD)
	56 (RHD)		54 (*6)		57 (RHD)
A22	48 (LHD)	B36	46 (*3)	H19	49 (LHD)
	56 (RHD)		54 (*6)		57 (RHD)
A25	48 (LHD)	D2 H	46 (*3)	H41	49 (LHD)
	56 (RHD)		54 (*6)		57 (RHD)
B8 F	46 (*3)	D4 G	46 (*3)	H42	49 (LHD)
	54 (*6)		54 (*6)		57 (RHD)
B10 E	46 (*3)	D18	46 (*3)	m1 B	46 (*3)
	54 (*6)		54 (*6)		54 (*6)
B27 A	46 (*3)	D32	46 (*3)	m2 B	46 (*3)
	54 (*6)		54 (*6)		54 (*6)
B28 A	46 (*3)	D43	46 (*3)		
	54 (*6)		54 (*6)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23 (*8)	Engine Room R/B No.1 (Engine Compartment Front)

: 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 No.1 (Engine Compartment Front)
1C		
1I	25	
5C	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5F	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5L	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5Q		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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Cooling Fan (5L–E)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
AB1	64 (LHD)	Cowl to Head Lamp Wire and Engine Room Main Wire (Left Side of the Instrument Panel J/B)
	72 (RHD)	
DB1	62 (*3)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	70 (*6)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)

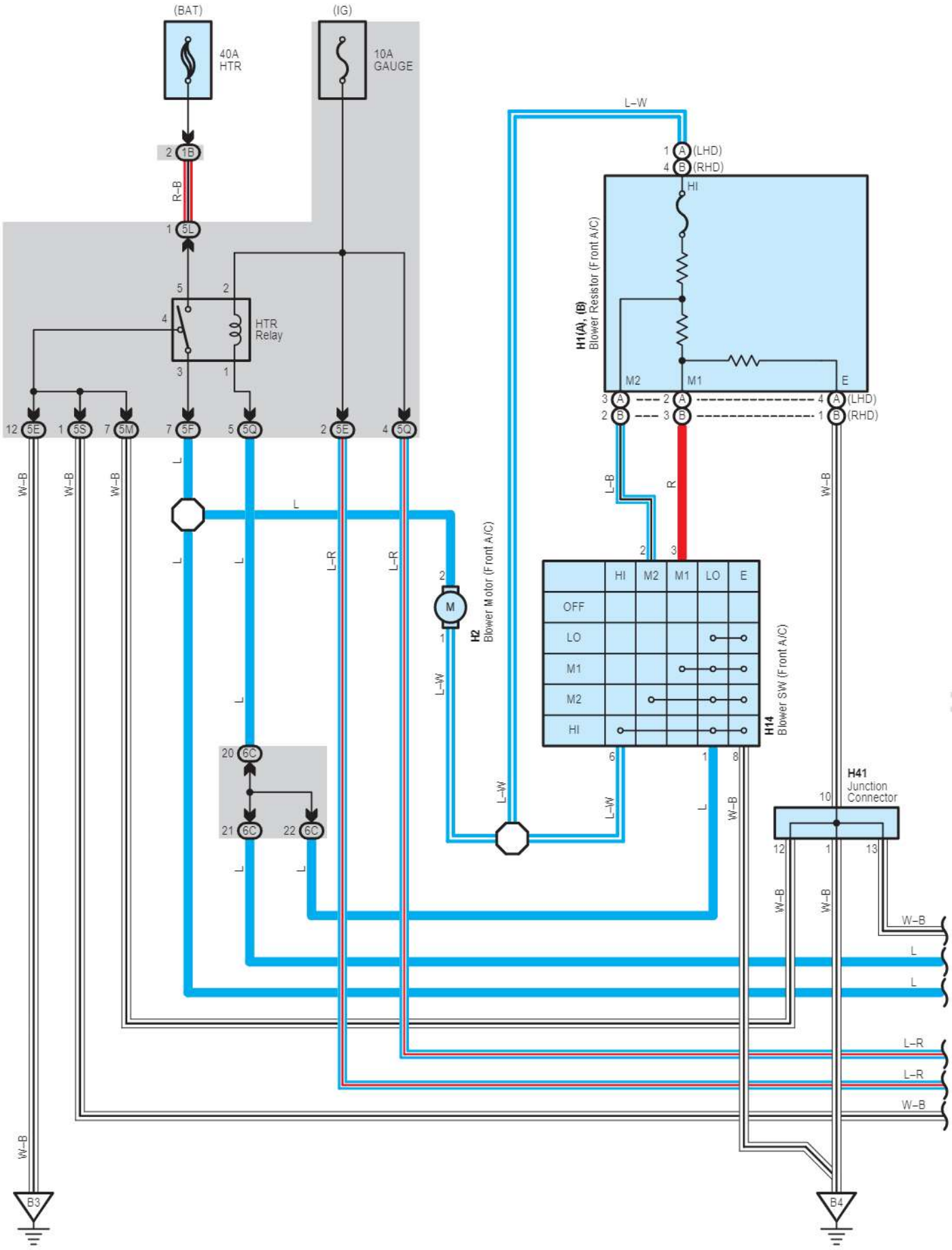
: Ground Points

Code	See Page	Ground Points Location
A1	64 (LHD)	Dash Panel Right
	72 (RHD)	
B1	62 (*3)	Front Floor Panel Right
	70 (*6)	
B2	62 (*3)	
	70 (*6)	
B3	62 (*3)	Front Floor Panel Left
	70 (*6)	
D4	62 (*3)	Engine Block
	70 (*6)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

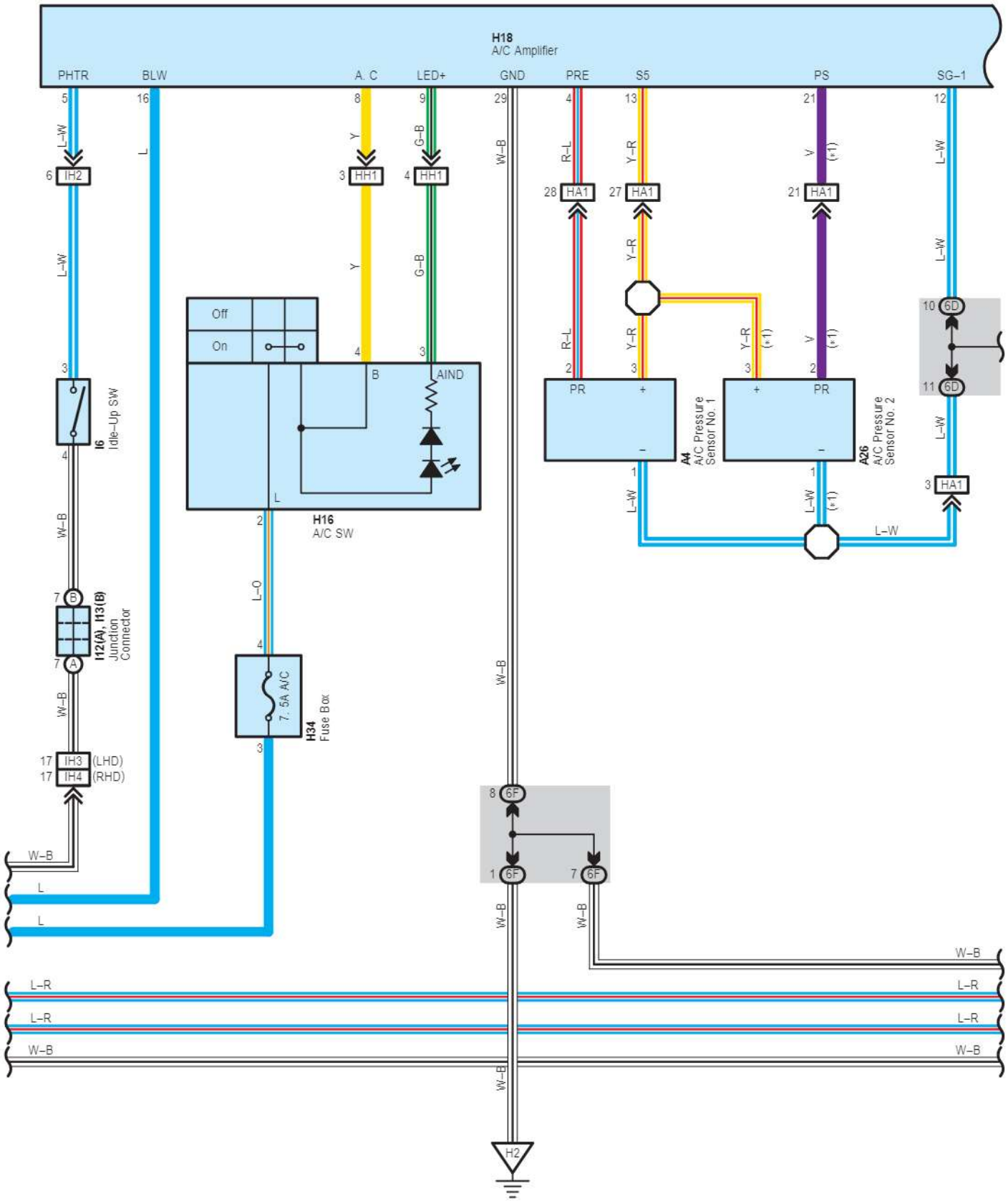
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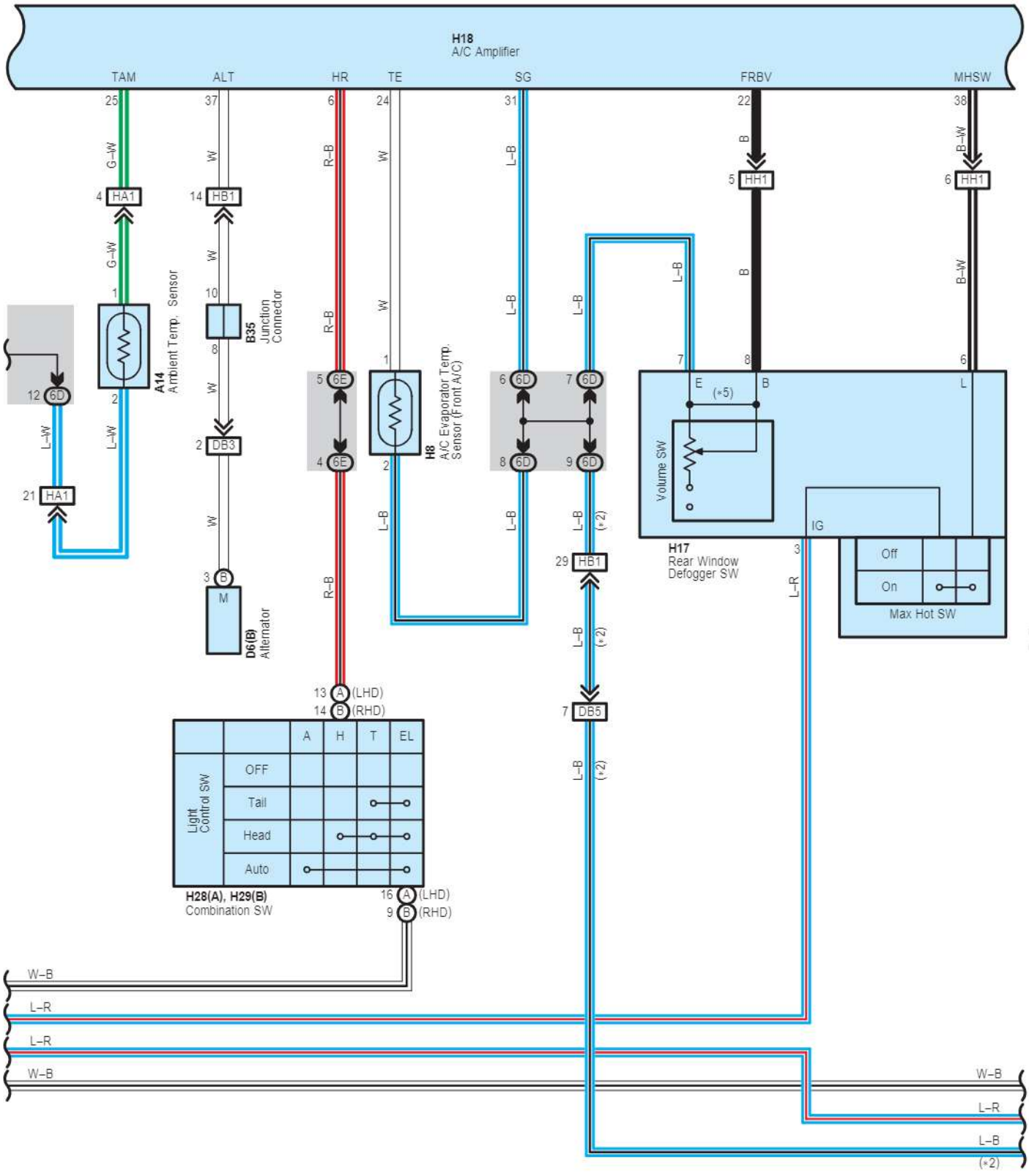


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* 1 : LHD 2TR-FE

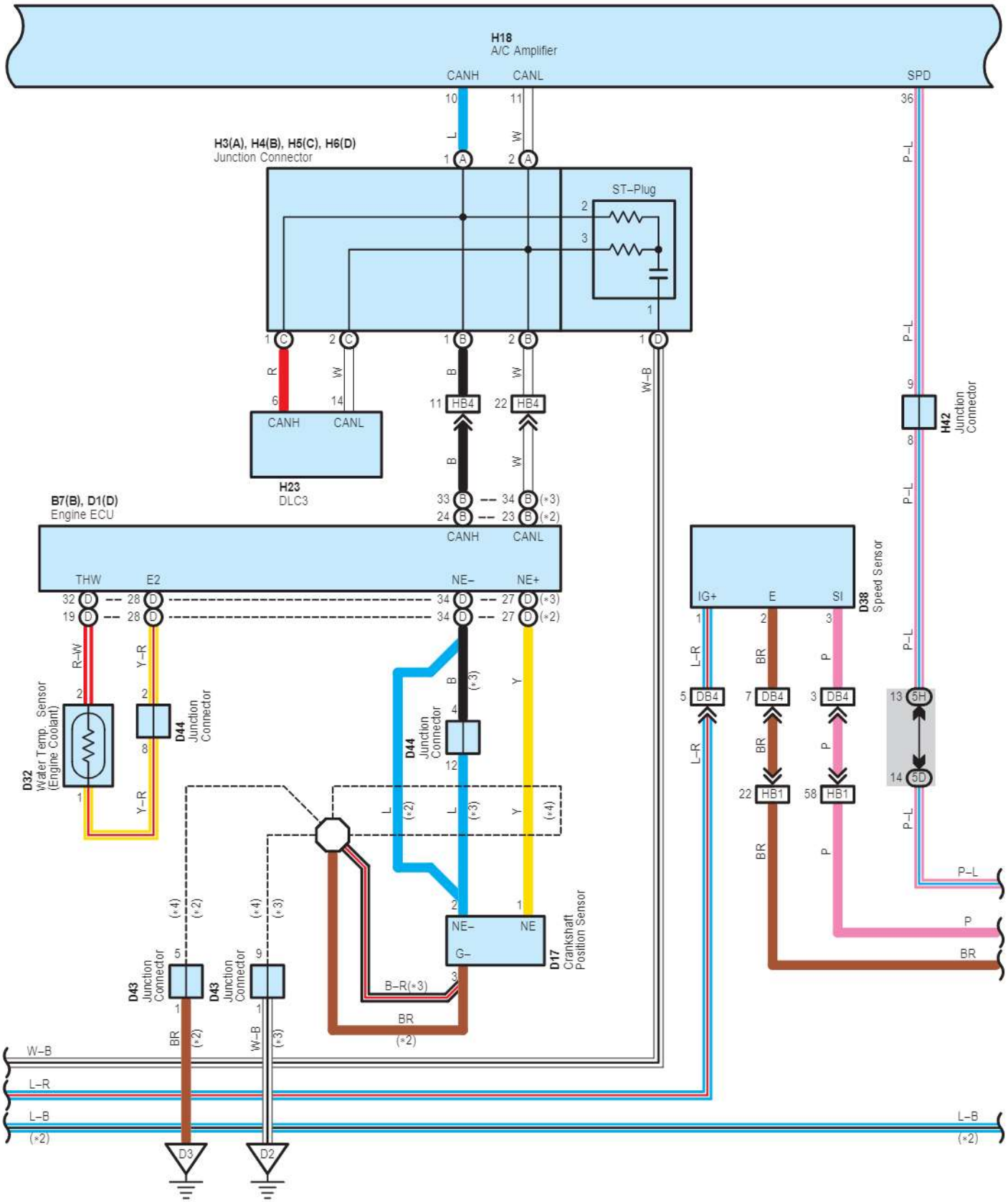


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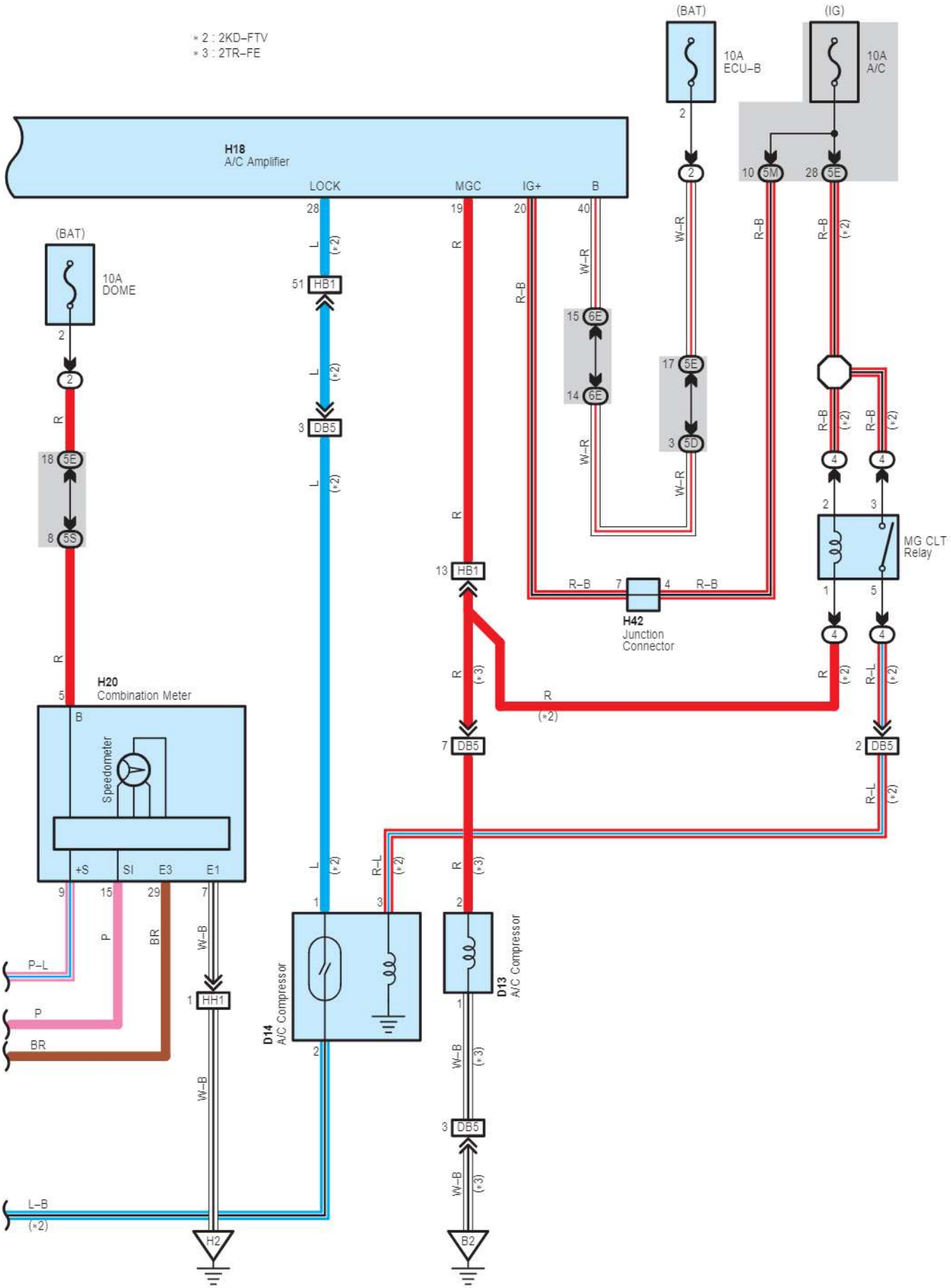


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* 2 : 2KD-FTV
* 3 : 2TR-FE
* 4 : Shielded
* 5 : w/o Volume SW



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System Outline

Current is applied at all times through the HTR fuse to TERMINAL 5 of the HTR relay.
When the ignition SW is turned on, the current flows through the GAUGE fuse to TERMINAL 2 of the HTR relay to TERMINAL 1 to TERMINAL 1 of the blower SW (Front A/C).

Blower Motor Operation

* Low speed operation
  When the blower SW (Front A/C) is moved to LO position, the current flows to TERMINAL 1 of the blower SW (Front A/C) to TERMINAL 8 to GROUND, causing the HTR relay to turn on. This causes the current flows from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 2 of the blower motor (Front A/C) to TERMINAL 1 to TERMINAL 1 (LHD), 4 (RHD) of the blower resistor (Front A/C) to TERMINAL 4 (LHD), 1 (RHD) to GROUND, rotating the blower motor (Front A/C) at low speed.

* Medium speed operation (Operation at M1, M2)
  When the blower SW (Front A/C) is moved to M1 position, the current flows to TERMINAL 1 of the blower SW (Front A/C) to TERMINAL 8 to GROUND, causing the HTR relay to turn on. This causes the current flows from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 2 of the blower motor (Front A/C) to TERMINAL 1 to TERMINAL 1 (LHD), 4 (RHD) of the blower resistor (Front A/C) to TERMINAL 2 (LHD), 3 (RHD) to TERMINAL 3 of the blower SW (Front A/C) to TERMINAL 8 to GROUND. At this time, the blower resistance of the blower resistor (Front A/C) is smaller than at low speed, so the blower motor (Front A/C) rotates at medium low speed.
  When the blower SW (Front A/C) is moved to M2 position, the current flows through the HTR relay to TERMINAL 2 of the blower motor (Front A/C) to TERMINAL 1 to TERMINAL 1 (LHD), 4 (RHD) of the blower resistor (Front A/C) to TERMINAL 3 (LHD), 2 (RHD) to TERMINAL 2 of the blower SW (Front A/C) to TERMINAL 8 to GROUND. At this time, resistance of the blower resistor (Front A/C) is smaller than at M1 position, so the blower motor (Front A/C) rotates at medium high speed.

* High speed operation
  When the blower SW (Front A/C) is moved to HI position, the current flows to TERMINAL 1 of the blower SW (Front A/C) to TERMINAL 8 to GROUND, causing the HTR relay to turn on.
  This causes the current flows from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 2 of the blower motor (Front A/C) to TERMINAL 1 to TERMINAL 6 of the blower SW (Front A/C) to TERMINAL 8 to GROUND, rotating the blower motor (Front A/C) at high speed.

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○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A4	48 (LHD)	D32	44 (*1)	H8	57 (RHD)
	56 (RHD)		45 (*2)	H14	49 (LHD)
A14	48 (LHD)		52 (*4)		57 (RHD)
	56 (RHD)		53 (*5)	H16	49 (LHD)
A26	48 (LHD)	D38	44 (*1)		57 (RHD)
B7 B	44 (*1)		45 (*2)	H17	49 (LHD)
	45 (*2)		52 (*4)		57 (RHD)
	52 (*4)		53 (*5)	H18	49 (LHD)
	53 (*5)	D43	44 (*1)		57 (RHD)
B35	44 (*1)		45 (*2)	H20	49 (LHD)
	45 (*2)		52 (*4)		57 (RHD)
	52 (*4)		53 (*5)	H23	49 (LHD)
	53 (*5)	D44	44 (*1)		57 (RHD)
D1 D	44 (*1)		45 (*2)	H28 A	49 (LHD)
	45 (*2)		52 (*4)	H29 B	57 (RHD)
	52 (*4)		53 (*5)	H34	49 (LHD)
	53 (*5)	H1 A	49 (LHD)		57 (RHD)
D6 B	44 (*1)	B	57 (RHD)	H41	49 (LHD)
	45 (*2)	H2	49 (LHD)		57 (RHD)
	52 (*4)		57 (RHD)	H42	49 (LHD)
	53 (*5)	H3 A	42, 49 (LHD)		57 (RHD)
D13	44 (*1)		42, 57 (RHD)	I6	48 (LHD)
	52 (*4)	H4 B	42, 49 (LHD)		56 (RHD)
D14	45 (*2)		42, 57 (RHD)	I12 A	48 (LHD)
	53 (*5)	H5 C	42, 49 (LHD)		56 (RHD)
D17	44 (*1)		42, 57 (RHD)	I13 B	48 (LHD)
	45 (*2)	H6 D	42, 49 (LHD)		56 (RHD)
	52 (*4)		42, 57 (RHD)		
	53 (*5)	H8	49 (LHD)		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	28	Engine Room R/B No.2 (Inside of Battery Room)
4	29	Instrument Panel R/B (Under the Glove Box)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: 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 No.1 (Engine Compartment Front)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5F	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H		
5L	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5Q		
5S		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6E	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
DB3	60 (*1)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	61 (*2)	
	68 (*4)	
	69 (*5)	
DB4	60 (*1)	
	61 (*2)	
	68 (*4)	
	69 (*5)	
DB5	60 (*1)	
	61 (*2)	
	68 (*4)	
	69 (*5)	
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH2	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
	72 (RHD)	
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH4	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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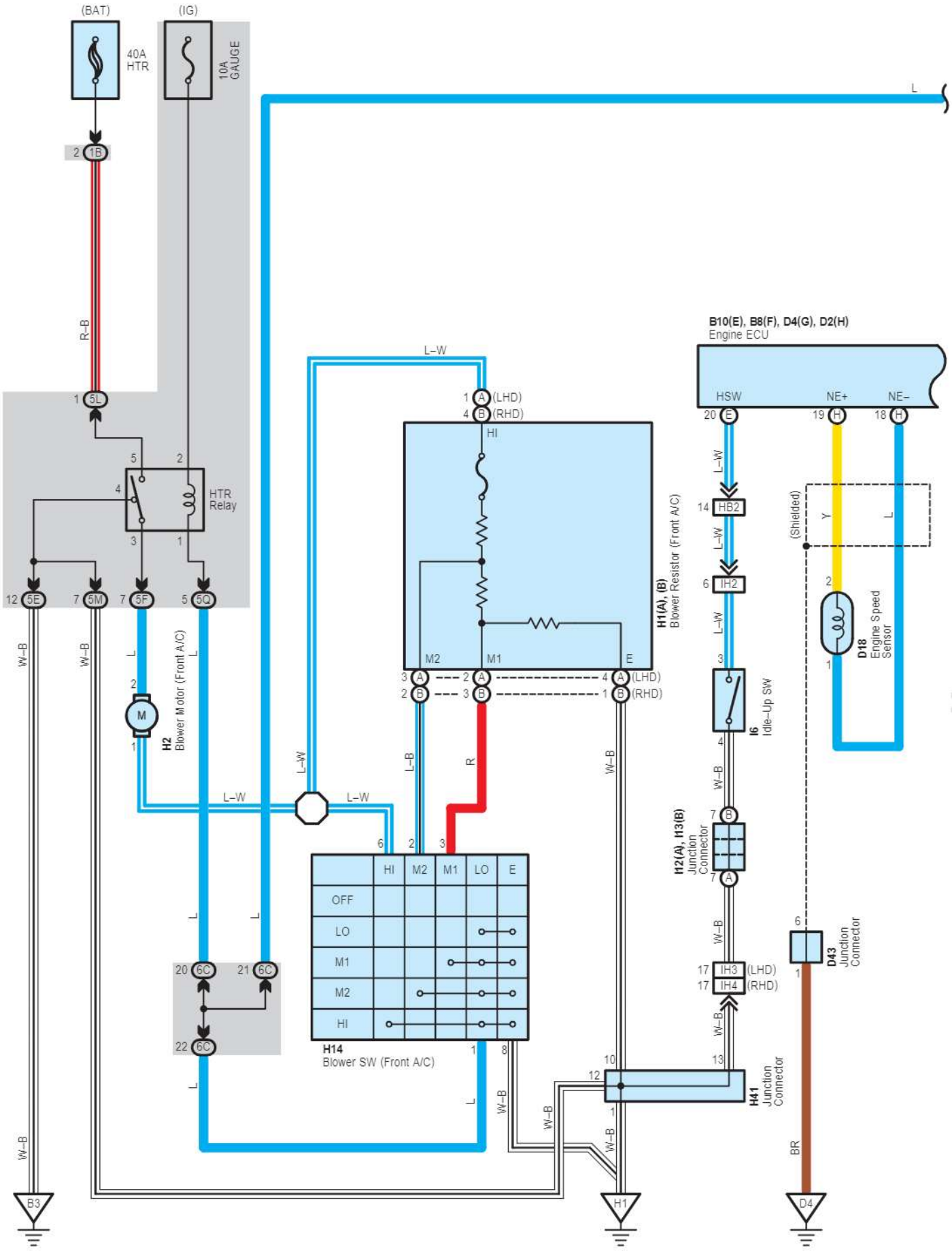
▽ : **Ground Points**

Code	See Page	Ground Points Location
B2	60 (*1)	Front Floor Panel Right
	68 (*4)	
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	68 (*4)	
	69 (*5)	
B4	64 (LHD)	Cowl Side Panel LH
	72 (RHD)	
D2	60 (*1)	Engine Block
	68 (*4)	
D3	61 (*2)	
	69 (*5)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

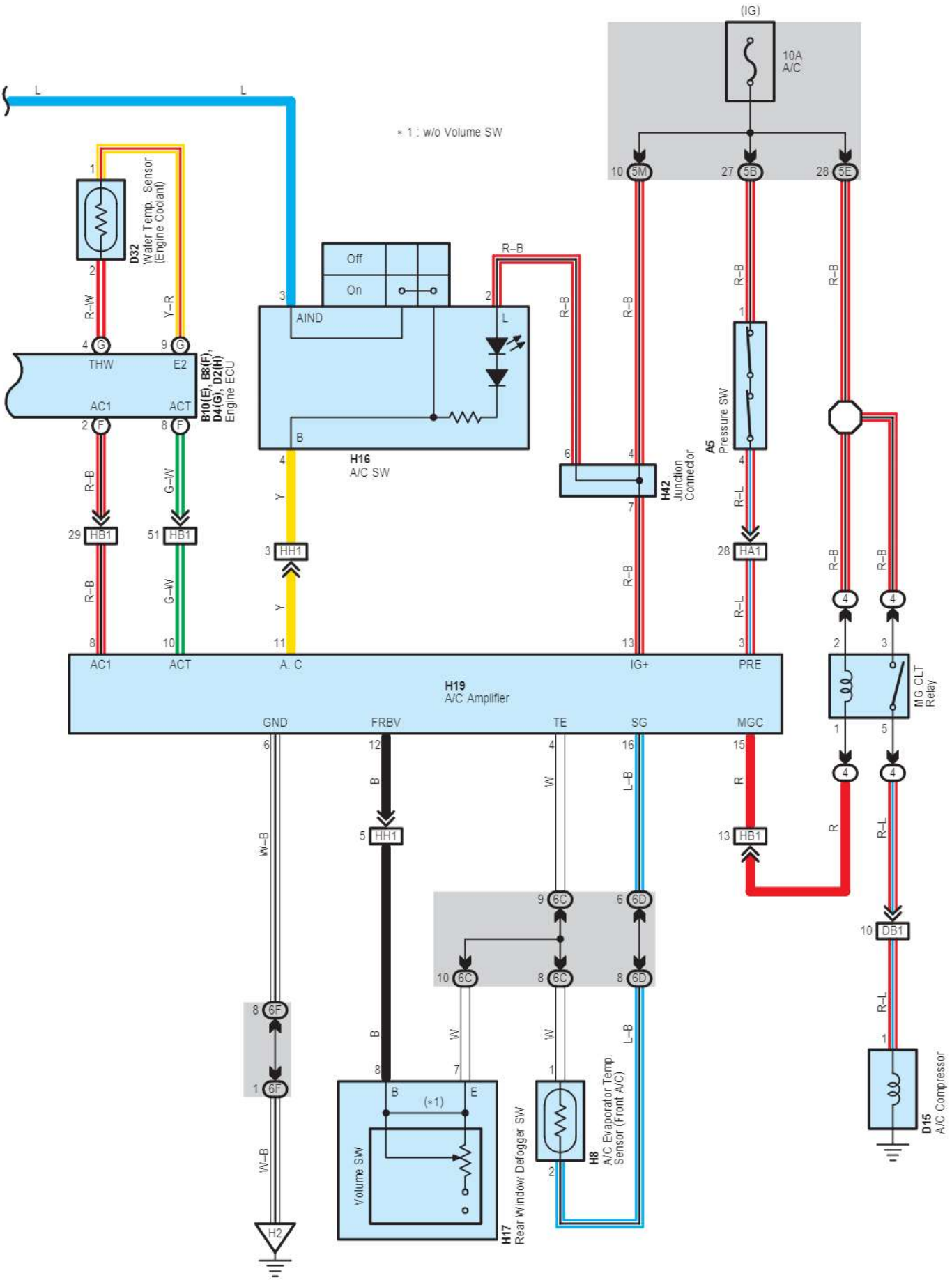
* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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System Outline

Current is applied at all times through the HTR fuse to TERMINAL 5 of the HTR relay.
When the ignition SW is turned on, the current flows through the GAUGE fuse to TERMINAL 2 of the HTR relay to TERMINAL 1 to TERMINAL 1 of the blower SW (Front A/C).

Blower Motor Operation

* Low speed operation
When the blower SW (Front A/C) is moved to LO position, the current flows to TERMINAL 1 of the blower SW (Front A/C) to TERMINAL 8 to GROUND, causing the HTR relay to turn on. This causes the current flows from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 2 of the blower motor (Front A/C) to TERMINAL 1 to TERMINAL 1 (LHD), 4 (RHD) of the blower resistor (Front A/C) to TERMINAL 4 (LHD), 1 (RHD) to GROUND, rotating the blower motor (Front A/C) at low speed.

* Medium speed operation (Operation at M1, M2)
When the blower SW (Front A/C) is moved to M1 position, the current flows to TERMINAL 1 of the blower SW (Front A/C) to TERMINAL 8 to GROUND, causing the HTR relay to turn on. This causes the current flows from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 2 of the blower motor (Front A/C) to TERMINAL 1 to TERMINAL 1 (LHD), 4 (RHD) of the blower resistor (Front A/C) to TERMINAL 2 (LHD), 3 (RHD) to TERMINAL 3 of the blower SW (Front A/C) to TERMINAL 8 to GROUND. At this time, the blower resistance of the blower resistor (Front A/C) is smaller than at low speed, so the blower motor (Front A/C) rotates at medium low speed.
When the blower SW (Front A/C) is moved to M2 position, the current flows through the HTR relay to TERMINAL 2 of the blower motor (Front A/C) to TERMINAL 1 to TERMINAL 1 (LHD), 4 (RHD) of the blower resistor (Front A/C) to TERMINAL 3 (LHD), 2 (RHD) to TERMINAL 2 of the blower SW (Front A/C) to TERMINAL 8 to GROUND. At this time, resistance of the blower resistor (Front A/C) is smaller than at M1 position, so the blower motor (Front A/C) rotates at medium high speed.

* High speed operation
When the blower SW (Front A/C) is moved to HI position, the current flows to TERMINAL 1 of the blower SW (Front A/C) to TERMINAL 8 to GROUND, causing the HTR relay to turn on.
This causes the current flows from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 2 of the blower motor (Front A/C) to TERMINAL 1 to TERMINAL 6 of the blower SW (Front A/C) to TERMINAL 8 to GROUND, rotating the blower motor (Front A/C) at high speed.

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A5		48 (LHD)	D32		46 (*3)	H17		49 (LHD)
		56 (RHD)			54 (*6)			57 (RHD)
B8	F	46 (*3)	D43		46 (*3)	H19		49 (LHD)
		54 (*6)			54 (*6)			57 (RHD)
B10	E	46 (*3)	H1	A	49 (LHD)	H41		49 (LHD)
		54 (*6)		B	57 (RHD)			57 (RHD)
D2	H	46 (*3)	H2		49 (LHD)	H42		49 (LHD)
		54 (*6)			57 (RHD)			57 (RHD)
D4	G	46 (*3)	H8		49 (LHD)	I6		48 (LHD)
		54 (*6)			57 (RHD)			56 (RHD)
D15		46 (*3)	H14		49 (LHD)	I12	A	48 (LHD)
		54 (*6)			57 (RHD)			56 (RHD)
D18		46 (*3)	H16		49 (LHD)	I13	B	48 (LHD)
		54 (*6)			57 (RHD)			56 (RHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
4	29	Instrument Panel R/B (Under the Glove Box)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: 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 No.1 (Engine Compartment Front)
5B	30	Cowl to Head Lamp Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5F	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5L	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5Q		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
DB1	62 (*3)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	70 (*6)	
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB2	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH2	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
	72 (RHD)	
IH3	64 (LHD)	Instrument Panel No.2 Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
IH4	72 (RHD)	

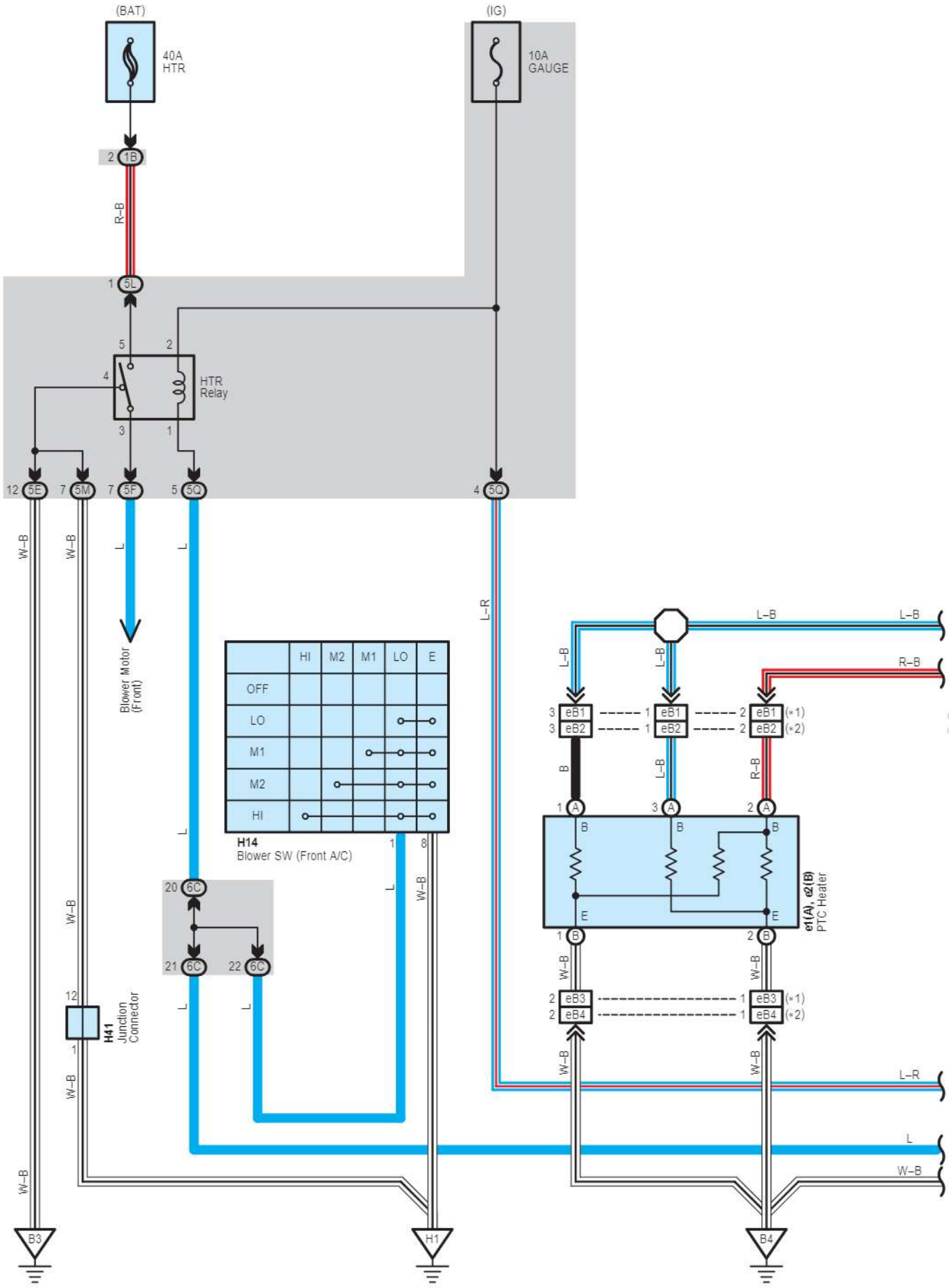
: Ground Points

Code	See Page	Ground Points Location
B3	62 (*3)	Front Floor Panel Left
	70 (*6)	
D4	62 (*3)	Engine Block
	70 (*6)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
H2	64 (LHD)	
	72 (RHD)	

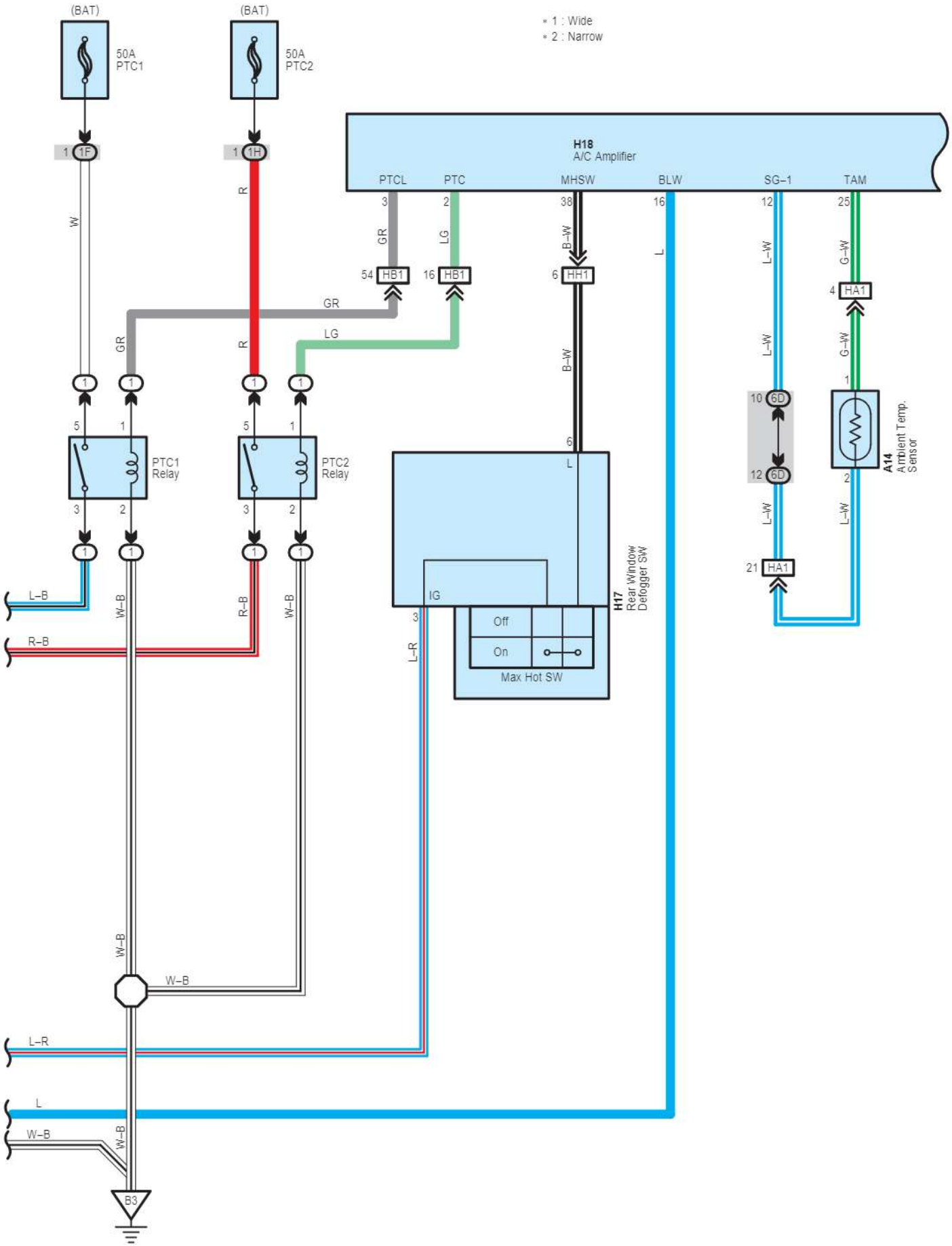
* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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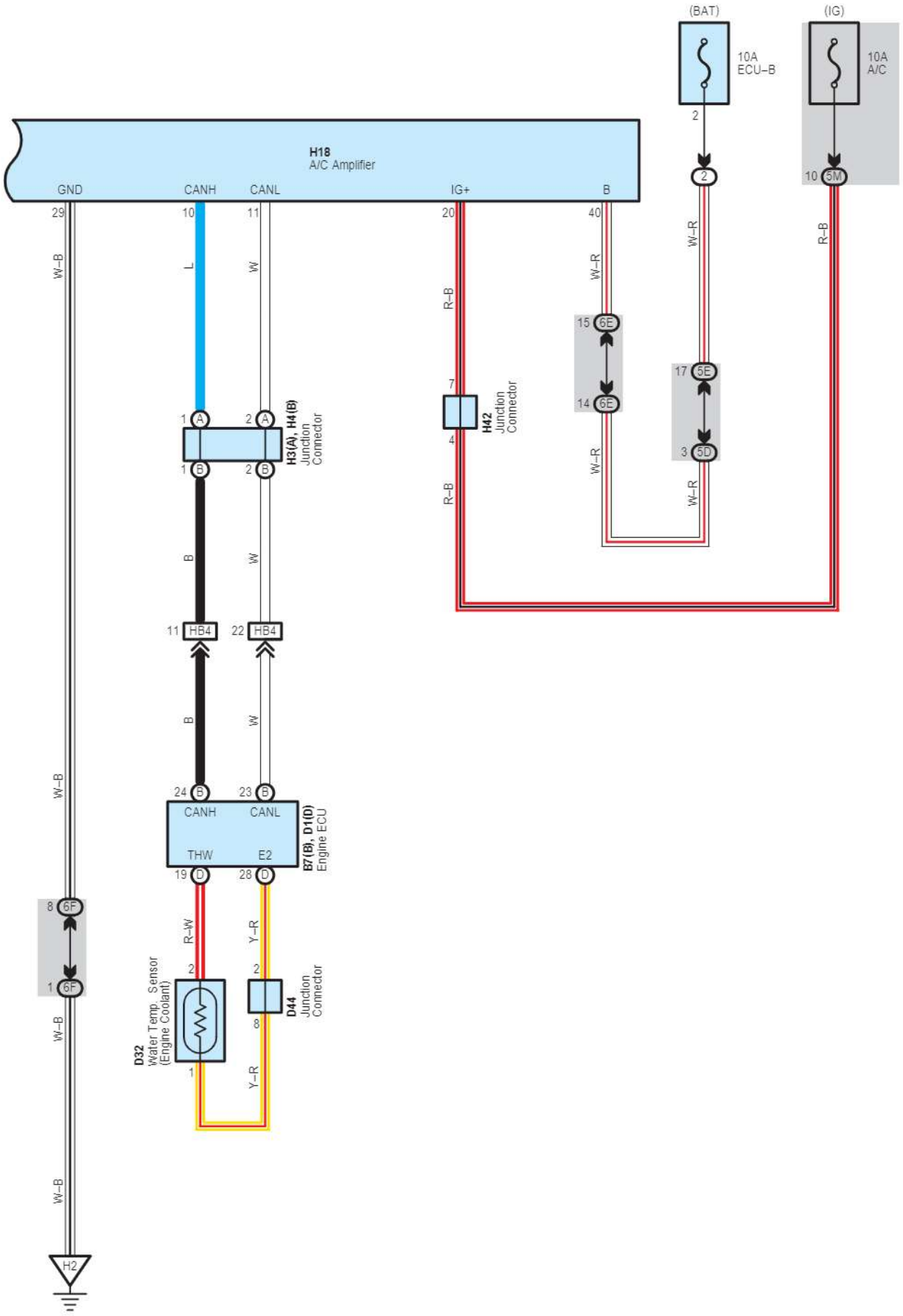
PTC Heater (2KD–FTV)



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: Parts Location

Code	See Page	Code	See Page	Code	See Page
A14	48 (LHD)	H3 A	42, 49 (LHD)	H41	49 (LHD)
	56 (RHD)		42, 57 (RHD)		57 (RHD)
B7 B	45 (*2)	H4 B	42, 49 (LHD)	H42	49 (LHD)
	53 (*5)		42, 57 (RHD)		57 (RHD)
D1 D	45 (*2)	H14	49 (LHD)	e1 A	48 (LHD)
	53 (*5)		57 (RHD)		56 (RHD)
D32	45 (*2)	H17	49 (LHD)	e2 B	48 (LHD)
	53 (*5)		57 (RHD)		56 (RHD)
D44	45 (*2)	H18	49 (LHD)		
	53 (*5)		57 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	23 (*8)	Engine Room R/B No.1 (Engine Compartment Front)
2	28	Engine Room R/B No.2 (Inside of Battery Room)

: 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 No.1 (Engine Compartment Front)
1F		
1H		
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5F	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5L	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5Q		
6C	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6E	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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PTC Heater (2KD–FTV)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
HA1	64 (LHD)	Instrument Panel Wire and Cowl to Head Lamp Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
HB4	64 (LHD)	
	72 (RHD)	
HH1	64 (LHD)	Instrument Panel Wire and Instrument Panel Wire (Near the Steering Column)
	72 (RHD)	Instrument Panel Wire and Instrument Panel Wire (Instrument Panel Reinforcement RH)
eB1	65 (LHD)	Heater Wire and Engine Room Main Wire (Near the A/C Unit)
	73 (RHD)	
eB2	65 (LHD)	
	73 (RHD)	
eB3	65 (LHD)	
	73 (RHD)	
eB4	65 (LHD)	
	73 (RHD)	

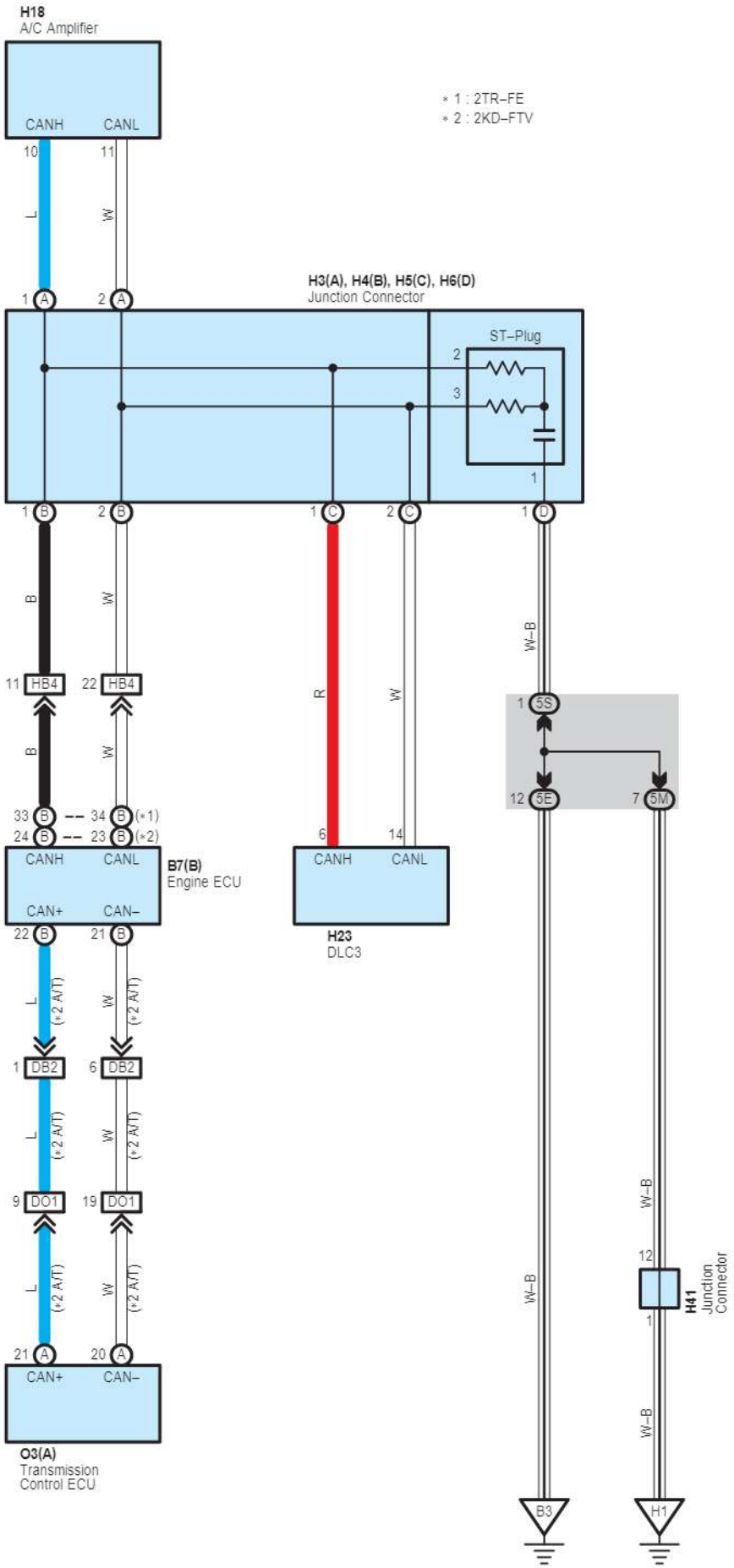
: Ground Points

Code	See Page	Ground Points Location
B3	61 (*2)	Front Floor Panel Left
	69 (*5)	
B4	64 (LHD)	Cowl Side Panel LH
	72 (RHD)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	
H2	64 (LHD)	
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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System Outline

Multiplex communication system (CAN) uses a serial communication protocol and communicates with a differential voltage. In this network system, TERMINALS CANH, CANL, CAN+ and CAN– are used for communication between the ECUs, and excellent data communication speed and communication error detecting facility are provided. This system is working for the following systems:

- Engine Control
- ECT and A/T Indicator
- Front Air Conditioner

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
B7	B	44 (*1)	H4	B	42, 57 (RHD)	H23		49 (LHD)
		45 (*2)	H5	C	42, 49 (LHD)			57 (RHD)
		52 (*4)			42, 57 (RHD)	H41		49 (LHD)
		53 (*5)	H6	D	42, 49 (LHD)			57 (RHD)
H3	A	42, 49 (LHD)			42, 57 (RHD)	O3	A	48 (LHD)
		42, 57 (RHD)	H18		49 (LHD)			56 (RHD)
H4	B	42, 49 (LHD)			57 (RHD)			

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5S		

▭ : Connector Joining Wire Harness and Wire Harness

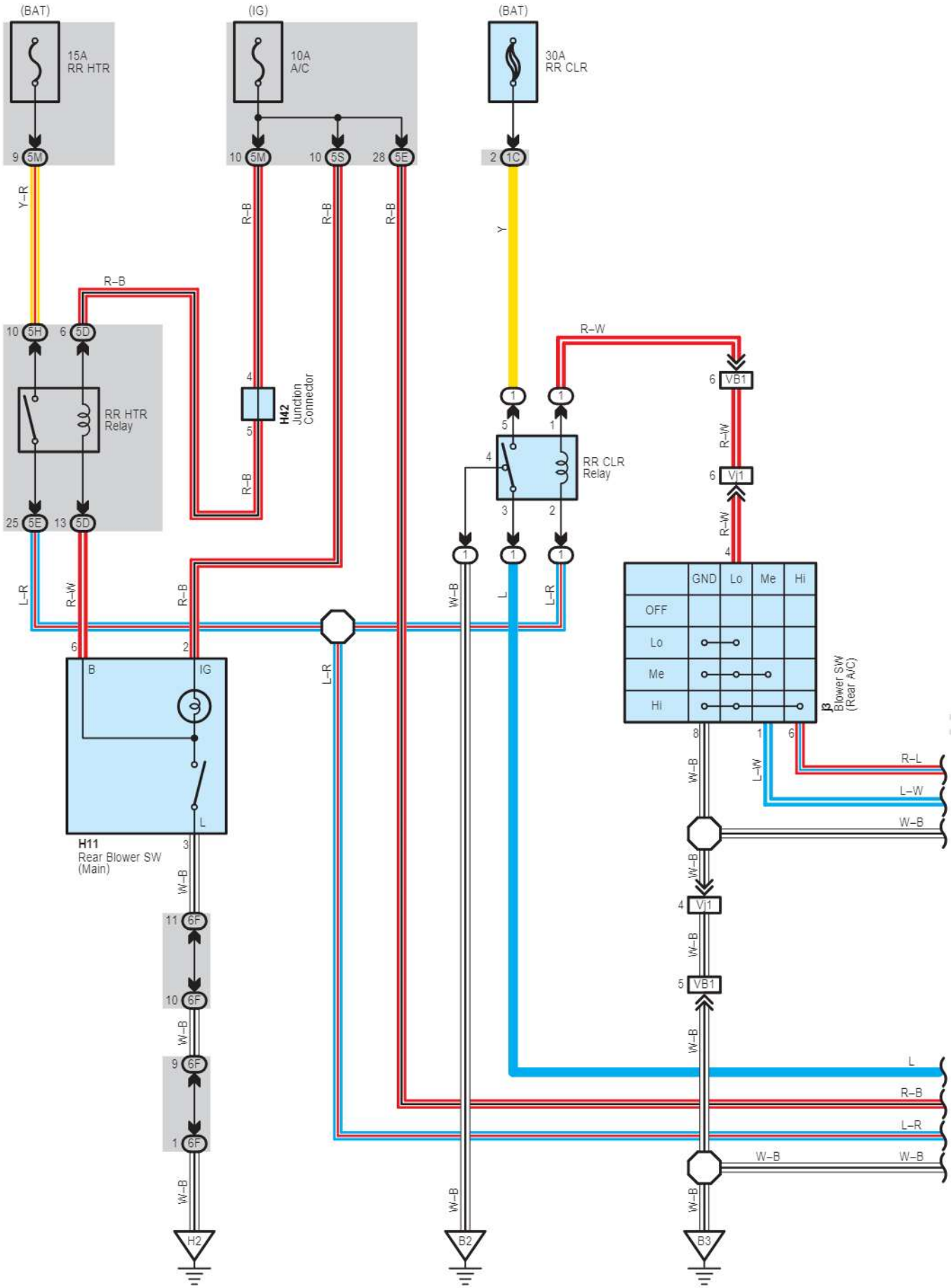
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
DB2	61 (*2)	Engine Wire and Engine Room Main Wire (Front Side of Engine Room R/B No.1)
	69 (*5)	
DO1	61 (*2)	Engine Wire and Floor Wire (Front Floor Panel Right)
	69 (*5)	
HB4	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	

▽ : Ground Points

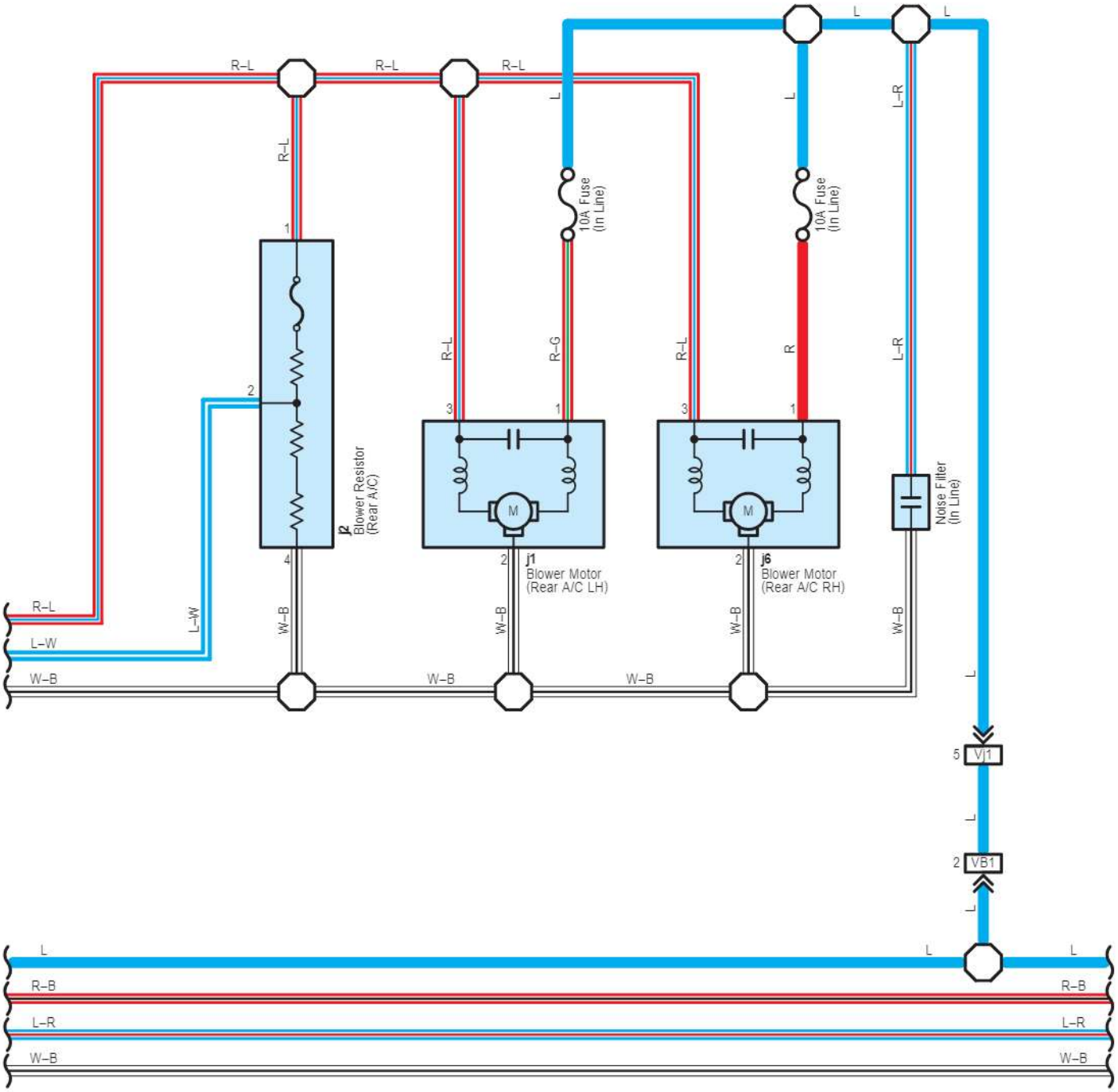
Code	See Page	Ground Points Location
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	68 (*4)	
	69 (*5)	
H1	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

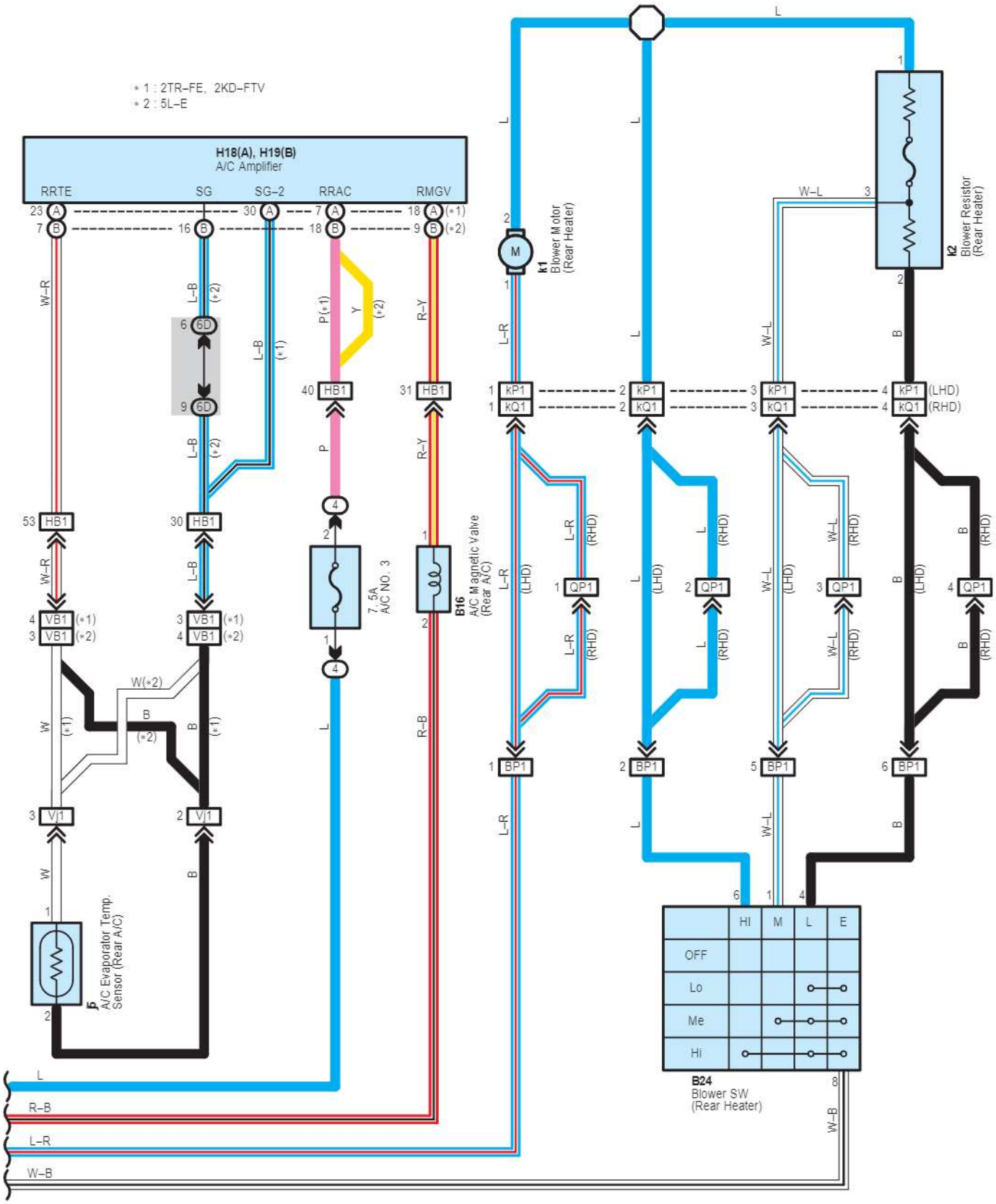
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System Outline

1. Blower Motor Operation

* Low speed operation
When the blower SW (Rear A/C) is moved to LO position, current flows to TERMINAL 4 of the blower SW (Rear A/C) to GROUND, activating the RR CLR relay. This causes the current to flow from the RR CLR fuse to TERMINAL 5 of the RR CLR relay to TERMINAL 3 to TERMINAL 1 of the blower motor (Rear A/C LH, RH) to TERMINAL 3 to TERMINAL 1 of the blower resistor (Rear A/C) to TERMINAL 4 to GROUND, causing the blower motor (Rear A/C LH, RH) to rotate at low speed.

* Medium speed operation
When the blower SW (Rear A/C) is moved to Me position, current flows to TERMINAL 4 of the blower SW (Rear A/C) to GROUND, turning the RR CLR relay to switch on. This causes the current to flow from the RR CLR fuse to TERMINAL 5 of the RR CLR relay to TERMINAL 3 to TERMINAL 1 of the blower motor (Rear A/C LH, RH) to TERMINAL 3 to TERMINAL 1 of the blower resistor (Rear A/C) to TERMINAL 2 to TERMINAL 1 of the blower SW (Rear A/C) to GROUND. At this time, the blower resistance of the blower resistor (Rear A/C) is less than at low speed, so the blower motor (Rear A/C LH, RH) rotates at medium speed.

* High speed operation
When the blower SW (Rear A/C) is moved to HI position, current flows to TERMINAL 4 of the blower SW (Rear A/C) to GROUND, turning the RR CLR relay to switch on.
This causes the current to flow from the RR CLR fuse to TERMINAL 5 of the RR CLR relay to TERMINAL 3 to TERMINAL 1 of the blower motor (Rear A/C LH, RH) to TERMINAL 3 to TERMINAL 6 of the blower SW (Rear A/C) to GROUND, causing the blower motor (Rear A/C LH, RH) to rotate at high speed.

○ : Parts Location

Code	See Page	Code		See Page	Code	See Page
B16	44 (*1)	H18	A	49 (LHD)	j3	51 (LHD)
	45 (*2)			57 (RHD)		59 (RHD)
	46 (*3)	H19	B	49 (LHD)	j5	51 (LHD)
	52 (*4)			57 (RHD)		59 (RHD)
	53 (*5)	H42		49 (LHD)	j6	51 (LHD)
	54 (*6)			57 (RHD)		59 (RHD)
B24	50 (LHD)	j1		51 (LHD)	k1	51 (LHD)
	58 (RHD)			59 (RHD)		59 (RHD)
H11	49 (LHD)	j2		51 (LHD)	k2	51 (LHD)
	57 (RHD)			59 (RHD)		59 (RHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	22 (*7)	Engine Room R/B No.1 (Engine Compartment Front)
	23 (*8)	
4	29	Instrument Panel R/B (Under the Glove Box)

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	24	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Front)
5D	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5E	30	Engine Room Main Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5H	30	Instrument Panel Wire and Instrument Panel J/B (Left Side of Instrument Panel)
5M	31	
5S		
6D	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
6F	38 (LHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement LH)
	38 (RHD)	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)

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

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BP1	66 (LHD)	Engine Room Main Wire and Frame Wire (Under the Floor Panel)
	74 (RHD)	
HB1	64 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Under the Instrument Panel J/B)
	72 (RHD)	
QP1	74 (RHD)	Frame No.2 Wire and Frame Wire (Near the Fuel Tank)
VB1	66 (LHD)	Roof No.3 Wire and Engine Room Main Wire (Center Pillar LH)
	74 (RHD)	
Vj1	66 (LHD)	Roof No.3 Wire and Rear A/C Sub Wire (Left Side of Rear A/C Unit)
	74 (RHD)	
kP1	66 (LHD)	Rear A/C Sub Wire and Frame Wire (Near the Rear Heater Unit)
kQ1	74 (RHD)	Rear A/C Sub Wire and Frame No.2 Wire (Near the Rear Heater Unit)

: **Ground Points**

Code	See Page	Ground Points Location
B2	60 (*1)	Front Floor Panel Right
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
B3	60 (*1)	Front Floor Panel Left
	61 (*2)	
	62 (*3)	
	68 (*4)	
	69 (*5)	
	70 (*6)	
H2	64 (LHD)	Instrument Panel Reinforcement
	72 (RHD)	

* 1 : LHD 2TR–FE * 2 : LHD 2KD–FTV * 3 : LHD 5L–E * 4 : RHD 2TR–FE * 5 : RHD 2KD–FTV * 6 : RHD 5L–E * 7 : 2TR–FE
* 8 : 2KD–FTV, 5L–E

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