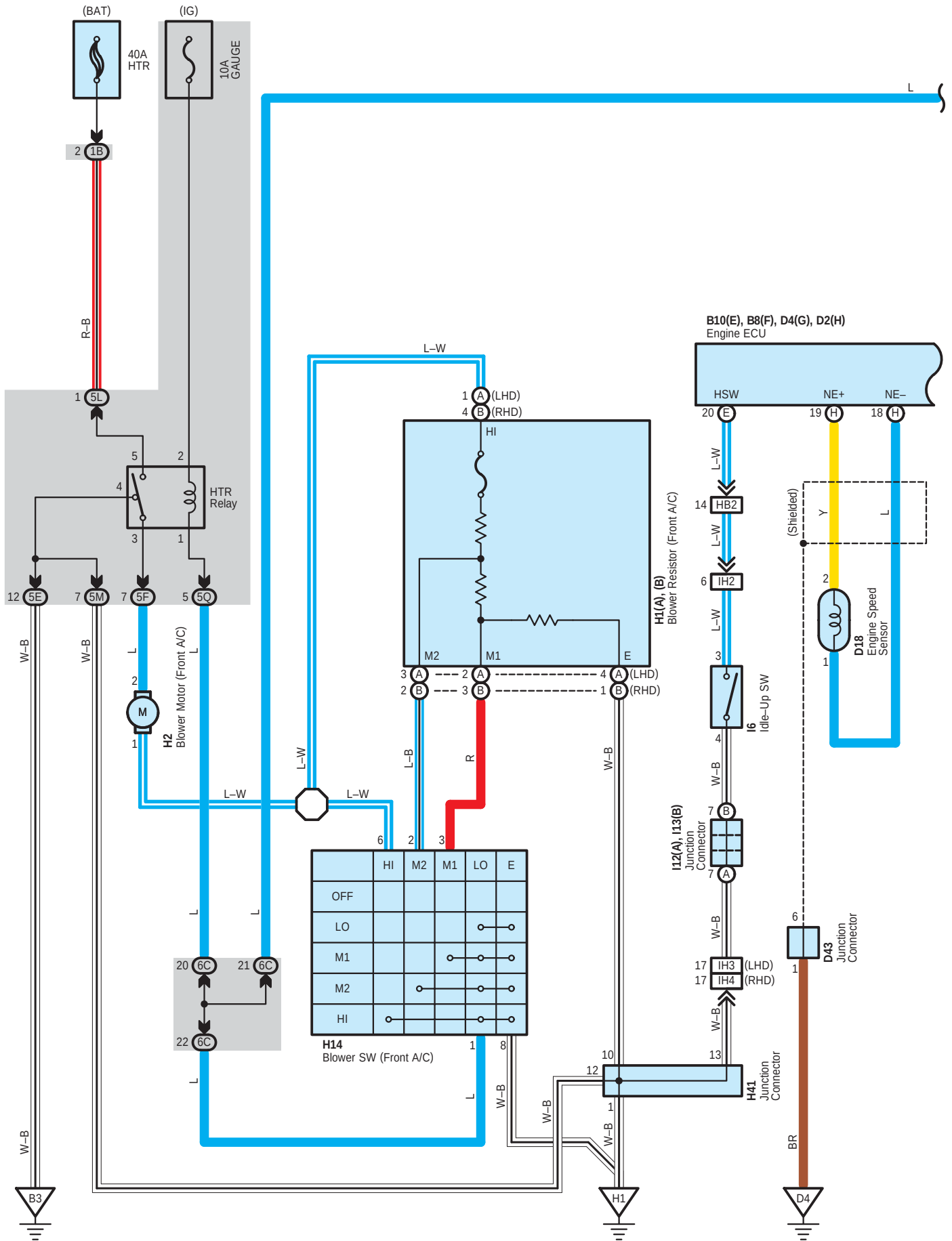


Front Air Conditioner (5L-E)



Front Air Conditioner (5L-E)

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



: 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