

# Power Heater (Hot Gas Type)

## System Outline

This function uses air conditioner parts to radiate heat through an evaporator during air compression by the compressor. By adding the refrigerant-heating system, suctioned refrigerant is heated to guarantee sufficient heating performance in cold areas.

Hot gas operation takes place when any of the following conditions is met:

- \* The power heater SW is turned on.
- \* The FRESH/RECIRC select SW is set to FRESH.
- \* The blower SW is turned on.
- \* The outside temperature is 0 °C or below.
- \* The water temperature is 70 °C or below
- \* MAX HOT

## Service Hints

### RFG HTR Relay

- 3-Ground : Always approx. 12 volts
- 2-Ground : Always continuity

## ○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A3	42 (*2)	C14	44 (LHD)	J19	45 (LHD)
A10	42 (*2)	D1	45 (LHD)	P6	46 (LHD)
A11	C 44 (LHD)	E4	A 45 (LHD)	R4	43 (*2)
A12	A 44 (LHD)	E5	B 45 (LHD)	T13	47 (LHD)
A13	B 44 (LHD)	E7	D 45 (LHD)	T16	47 (LHD)
A19	44 (LHD)	I8	45 (LHD)	W1	43 (*2)
B7	44 (LHD)	J4	45 (LHD)		
B8	44 (LHD)	J13	45 (LHD)		

## ○ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
5	28	Fuse Block (Lower Finish Panel)

## ○ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	36 (LHD)	Instrument Panel Wire and Center J/B (Behind the Combination Meter)
CF		
CG		
CH		
CJ		
DC	32	Instrument Panel Wire and Instrument Panel J/B (Left Side of the Instrument Panel)

## □ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	62 (*2)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
EH1	62 (*2)	Engine Wire and Engine No.4 Wire (Near the Starter)
IA1	64 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IA5		
IA8		
IE2	64 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
II1	66 (LHD)	Instrument Panel Wire and A/C No.1 Wire (Near the A/C Unit)
IJ1	66 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)

\* 1 : LHD 1ZZ-FE, 3ZZ-FE    \* 2 : LHD 1CD-FTV    \* 3 : RHD 1ZZ-FE, 3ZZ-FE    \* 4 : RHD 1CD-FTV    \* 5 : 1ZZ-FE, 3ZZ-FE    \* 6 : 1CD-FTV



: **Ground Points**

Code	See Page	Ground Points Location
EC	62 (*2)	Left Side of the Suspension Tower
EH	62 (*2)	Near the Starter
IM	64 (LHD)	Right Kick Panel

\* 1 : LHD 1ZZ-FE, 3ZZ-FE    \* 2 : LHD 1CD-FTV    \* 3 : RHD 1ZZ-FE, 3ZZ-FE    \* 4 : RHD 1CD-FTV    \* 5 : 1ZZ-FE, 3ZZ-FE    \* 6 : 1CD-FTV