

HVAC System - Manual

Specifications

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Accumulator Clamp Bolt	10 N·m	88 lb in
Air Distributor Duct Mounting Screw	1.9 N·m	17 lb in
Blower Motor Resistor Mounting Screw	1.9 N·m	17 lb in
Compressor and Condenser Hose to Accumulator	41 N·m	30 lb ft
Compressor and Condenser Hose to Condenser	24 N·m	18 lb ft
Compressor and Condenser Hose to Compressor Bolt	33 N·m	24 lb ft
Compressor Mounting Bolts (4.3L)	50 N·m	37 lb ft
Compressor Mounting Bolts (2.2L)	50 N·m	37 lb ft
Compressor Rear Bracket Bolts (2.2L)	31 N·m	23 lb ft
Condenser Insulator Retainer Bolts	2.4 N·m	21 lb in
Evaporator and Accumulator Hose to Accumulator	41 N·m	30 lb ft
Evaporator and Accumulator Hose to Evaporator	41 N·m	30 lb ft
Evaporator and Blower Module Mounting Bolts	4.5 N·m	40 lb in
Evaporator and Blower Module Nuts	2.5 N·m	22 lb in
Evaporator and Blower Module Mounting Screw	2.5 N·m	22 lb in
Evaporator and Blower Module Mounting Stud	4.5 N·m	40 lb in
Evaporator Tube to Condenser Fitting	24 N·m	18 lb ft
Evaporator Tube to Evaporator Fitting	24 N·m	18 lb ft
Temperature Valve Actuator Retaining Screw	1.9 N·m	17 lb in
Evaporator Tube Clip Screw	1.9 N·m	17 lb in
Evaporator Case Section Retaining Screw	1.9 N·m	17 lb in
Floor Air Outlet Mounting Screws	3.1 N·m	27 lb in
Refrigerant Pressure Sensor	4.8 N·m	42 lb in
Windshield Defroster Nozzle Mounting Screws	2 N·m	18 lb in

Compressor Specifications

Compressor	Type	Displacement
Harrison HT6 4.3L	6 Cylinder, Axial HT6	10.0 Cu in HT6
Harrison V7 2.2L	& Cylinder, Axial V7	12.88 Cu in V7

System Capacities

Application	Specification	
	Metric	English
Refrigerant-134a	0.85 kg	1 lb 14 oz
Polyalkaline Glycol (PAG) Refrigerant Oil (V-7)	265 ml	9 fl oz
Polyalkaline Glycol (PAG) Refrigerant Oil (HT6)	236 ml	8 fl oz

Refrigerant Oil Distribution Specifications

Notice: Use only Polyalkylene Glycol Synthetic Refrigerant Oil (PAG) for internal circulation through the R-134a A/C system and only 525 viscosity mineral oil on fitting threads and O-rings. If lubricants other than those specified are used, compressor failure and/or fitting seizure may result.

The refrigerant system requires refrigerant and oil in the following quantities:

- 0.85 kg (1.875 lb) Refrigerant 134-a
- 265 ml (9 fl. oz.) Polyalkaline Glycol (PAG) Refrigerant Oil for the 2.2L V7 Compressor
- 236 ml (8 fl. oz.) Polyalkaline Glycol (PAG) Refrigerant Oil for the 4.3L HT6 Compressor