

# AIR CONDITIONING

## SERVICE DATA

Refrigerant charge volume	570 to 630 g (20.10 to 22.22 oz.)
Magnetic clutch clearance	0.30 to 0.60 mm (0.012 to 0.024 in.)
Magnetic clutch relay	3 - 5 : 10k $\Omega$ or higher 3 - 5 : Below 1 $\Omega$ (Apply battery voltage to terminals 1 and 2)
Heater relay	3 - 4 : Below 1 $\Omega$ 3 - 4 : 10k $\Omega$ or higher (Apply battery voltage to terminals 1 and 2) 3 - 5 : 10k $\Omega$ or higher 3 - 5 : Below 1 $\Omega$ (Apply battery voltage to terminals 1 and 2)

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## TORQUE SPECIFICATIONS

Part Tightened	N*m	kgf*cm	ft.*lbf
Negative battery terminal x Battery	3.9	40	35 in.*lbf

### AIR CONDITIONING UNIT

Part Tightened	N*m	kgf*cm	ft.*lbf
Expansion valve x Evaporator core	7.0	71	62 in.*lbf
Valve to connector tube x Expansion valve	25	255	18
Mode case x Main case	2.0	20	18 in.*lbf
Heater pivot x Main case	2.0	20	18 in.*lbf
Mode mounting plate x Main case	2.0	20	18 in.*lbf
Mode mounting plate x Mode case	2.0	20	18 in.*lbf
Blower motor x Main case	2.0	20	18 in.*lbf
Blower resister x Main case	2.0	20	18 in.*lbf
Heater radiator assembly x Main case	2.0	20	18 in.*lbf
Temperature mounting plate x Main case	2.0	20	18 in.*lbf
Temperature mounting plate x Heater radiator	2.0	20	18 in.*lbf
Air inlet control servo motor x Main case	2.0	20	18 in.*lbf
Air mix control servo motor x Temperature mounting plate	2.0	20	18 in.*lbf
Mode control servo motor x Mode mounting plate	2.0	20	18 in.*lbf
No. 1 air duct x Mode case	2.0	20	18 in.*lbf
Heater to register center duct x Mode case	2.0	20	18 in.*lbf
Defroster nozzle assembly lower x Mode case	2.0	20	18 in.*lbf
Air conditioning unit assembly x Body	5.0	51	44 in.*lbf
Air conditioning unit assembly x Instrument panel reinforcement	5.0	51	44 in.*lbf
Air conditioning amplifier assembly x Instrument panel reinforcement	7.0	71	62 in.*lbf
Driver side junction block x Instrument panel reinforcement	8.0	82	71 in.*lbf
Bracket x Driver side junction block	8.0	82	71 in.*lbf
Air conditioning tube assembly x Body	7.5	76	66 in.*lbf
Suction hose sub-assembly x Body	7.5	76	66 in.*lbf

### COMPRESSOR AND MAGNETIC CLUTCH

Part Tightened	N*m	kgf*cm	ft.*lbf
Magnet clutch hub x Cooler compressor assembly	13.5	138	10
Pressure relief valve x Cooler compressor assembly	8.0	82	71 in.*lbf
Compressor pick up sensor x Cooler compressor assembly	4.0	41	35 in.*lbf
Compressor and magnetic clutch x Compressor bracket	21	214	16
Discharge hose sub-assembly x Compressor and magnetic clutch	19	194	14
Suction hose sub-assembly x Compressor and magnetic clutch	19	194	14
Suction hose sub-assembly x Timing chain cover	7.5	76	66

### CONDENSER

Part Tightened	N*m	kgf*cm	ft.*lbf
Condenser assembly x Body	7.5	76	66 in.*lbf
Air conditioning tube assembly x Condenser assembly	7.5	76	66 in.*lbf
Discharge hose sub-assembly x Condenser assembly	7.5	76	66 in.*lbf

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