

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM10000002BLC2
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> SPECIFICATIONS: HEATING / AIR CONDITIONING: TORQUE SPECIFICATIONS; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

## TORQUE SPECIFICATIONS

RM TITLE	PART TIGHTENED	N*M	KG*CM	FT.*LBF	IN.*LBF
AIR CONDITIONING UNIT	Cooler expansion valve (for HEV Model) x No. 1 cooler evaporator sub-assembly	3.5	36		31
	Instrument panel reinforcement assembly x Inside vehicle body	25	255	18	
	Instrument panel reinforcement assembly x Brake pedal assembly	15	153	11	
	Instrument panel reinforcement assembly x Outside vehicle body	25	255	18	
	No. 2 instrument panel brace sub-assembly x Instrument panel reinforcement assembly	18	184	13	
	No. 2 instrument panel brace sub-assembly x Vehicle body	20	204	15	
	No. 1 instrument panel brace sub-assembly x Instrument panel reinforcement assembly	18	184	13	
	No. 1 instrument panel brace sub-assembly x Vehicle body	20	204	15	
	Air conditioner unit assembly x Instrument panel reinforcement assembly	9.8	100		87
	Air conditioner unit assembly x Vehicle body	9.8	100		87
	Instrument panel reinforcement assembly x Connector holder	8.0	82		71
	Instrument panel wire x Instrument panel reinforcement assembly	8.5	87		75

RM TITLE	PART TIGHTENED	N*M	KGF*CM	FT.*LBF	IN.*LBF
	Suction pipe sub-assembly (for HEV Model) x Cooler expansion valve	9.8	100		87
	No. 1 discharge tube x Condenser assembly	5.4	55		48
	No. 1 discharge tube x Air conditioner unit assembly	5.4	55		48
	Connector tube (for PHEV Model) x No. 1 cooler evaporator sub-assembly	3.5	36		31
	No. 1 suction tube (for PHEV Model) x Connector tube	5.4	55		48
	Discharge tube sub-assembly (for PHEV Model) x No. 1 discharge tube	5.4	55		48
COMPRESSOR (for 2ZR-FXE)	Compressor with motor assembly x Engine	25	255	18	
	Compressor with motor assembly x Bracket	8.0	82		71
	Discharge hose sub-assembly x Compressor assembly with motor assembly	9.8	100		87
	Suction hose sub-assembly x Compressor assembly with motor assembly	9.8	100		87
COMPRESSOR (for M20A-FXS)	Compressor with motor assembly x Engine	25	255	18	
	Discharge hose sub-assembly x Compressor assembly with motor assembly	9.8	100		87
	Suction hose sub-assembly x Compressor assembly with motor assembly	9.8	100		87
CONDENSER (for HEV Model)	Cap x Cooler condenser assembly	4.0	41		35
	Discharge hose sub-assembly x Cooler condenser assembly	5.4	55		48

RM TITLE	PART TIGHTENED	N*M	KGF*CM	FT.*LBF	IN.*LBF
CONDENSER (for PHEV Model)	No. 1 discharge hose sub-assembly x Cooler condenser assembly	5.4	55		48
	No. 1 cooler refrigerant discharge hose x Cooler condenser assembly	5.4	55		48
AIR CONDITIONING PRESSURE SENSOR	Air conditioner pressure sensor x Air conditioning tube and accessory assembly	10.8	110	8	
ELECTRIC EXPANSION VALVE (COOLING)	Cooler expansion valve x No. 6 discharge tube	9.8	100		87
	Cooler expansion valve x No. 5 discharge tube	9.8	100		87
	Cooler bracket x Cooler expansion valve	5.0	51		44
ELECTRIC EXPANSION VALVE (HEATING)	Magnet valve assembly x accumulator assembly	9.8	100		87
	No. 3 liquid tube x accumulator assembly	9.8	100		87
ACCUMULATOR	Accumulator assembly x vehicle body	9.8	100		87
	Liquid tube sub-assembly A x accumulator assembly	5.4	55		48
	Discharge pipe sub-assembly x accumulator assembly	5.4	55		48
	Discharge tube sub-assembly x accumulator assembly	5.4	55		48
	No. 1 discharge hose sub-assembly x accumulator assembly	9.8	100		87
	No. 1 cooler refrigerant discharge hose x accumulator assembly	9.8	100		87
	Air conditioning tube assembly x accumulator assembly	9.8	100		87
	Suction hose sub-assembly x accumulator assembly	9.8	100		87

RM TITLE	PART TIGHTENED	N*M	KGF*CM	FT.*LBF	IN.*LBF
HIGH PRESSURE MAGNETIC VALVE	No. 2 magnet valve assembly x Valve to connector tube	9.8	100		87
	Valve to connector tube x Connector tube	9.8	100		87
LOW PRESSURE MAGNETIC VALVE	No. 3 magnet valve assembly x Connector tube	9.8	100		87
FRONT EVAPORATOR FRONT SOLENOID VALVE	Magnet valve (Bolt (A)) x accumulator assembly	9.8	100		87
	Magnet valve (Bolt (B)) x accumulator assembly	3.4	35		30
	No. 1 magnet valve assembly x accumulator assembly	9.8	100		87
	No. 3 discharge tube x accumulator assembly	9.8	100		87
EVAPORATOR PRESSURE REGULATOR	Pressure regulator sub-assembly x No. 1 suction tube	9.8	100		87
	Pressure regulator sub-assembly x Air conditioning tube assembly	9.8	100		87

