

SERVICE NOTES - COOLING SYSTEM**⚠ WARNING**

Never remove radiator cap when engine is warm or hot. The cooling system is under pressure and serious burns may result. Allow the engine and cooling system to cool before servicing.

⚠ CAUTION

Washing the vehicle with a high-pressure washer could damage the radiator fins and impair the radiators effectiveness. Use of a high-pressure washer is not recommended.

SPECIAL TOOLS - COOLING SYSTEM

TOOL DESCRIPTION	PART NUMBER
Cooling System Vacuum Filler	Commercially Available
Remote-Style Hose Clamp Pliers	Commercially Available
Cooling System Pressure Tester	Commercially Available

SERVICE SPECIFICATIONS - COOLING SYSTEM

COOLING SYSTEM SPECIFICATIONS		
ITEM	SPECIFICATION / CAPACITY	NOTES
Capacity Engine Coolant / Antifreeze	Drain / Fill Volume: 3-Seat Models: 9.2 qt (8.7 L) 3-Seat HVAC Models: 9.5 qt (9.7 L) CREW Models: 10.3 qt (9.8 L) CREW HVAC Models: 11.4 qt (10.8 L)	—
Thermostat	172° F (78° C)	—
Cooling System Pressure Cap	18 psi (124)	—

COOLING SYSTEM TEMPERATURE SPECIFICATIONS

CONDITION	COOLANT TEMP °F (°C)
Thermostat Open	180° F (82° C)
Thermostat Full Open	203° F (95° C)
Engine Temperature Overheat Indicator On	240° F (116° C)
Engine Temperature Overheat Indicator Off	237° F (114° C)

CONDITION	COOLANT TEMP °F (°C)
Overheat Protection Power Limitation	244° F (118° C) Torque reduction only. 250° F (121° C) Torque reduction and pattern cylinder shut off.
Engine Protection Shutdown	255° F (124° C)

COOLING FAN OPERATION - HVAC MODELS

KEY ON, ENGINE ON	ENGINE		TRANSMISSION		AIR CONDITIONING	
	Temperature (Degrees C)	Duty Cycle	Temperature (Degrees C)	Duty Cycle	hPa	Duty Cycle
FAN 1	86	0	70	70	6,274	0
	87	20	75	70	10,980	0
	88	30	80	78	12,549	20
	91	30	90	78	14,117	38
	92	40	100	78	15,686	52
	93	50	—	—	17,255	65
	94	62	—	—	18,823	78
	95	75	—	—	20,392	78
	96	80	—	—	25,411	78
	112	90	—	—	26,039	78
FAN 2	87	0	70	75	6,274	30
	88	0	75	75	10,980	30
	89	30	80	82	12,549	35
	91	30	90	82	14,117	45
	92	40	100	82	15,686	55
	93	50	—	—	17,255	68
	95	70	—	—	18,823	82
	96	75	—	—	20,392	82
	112	85	—	—	25,411	82
	114	90	—	—	26,039	82

KEY ON, ENGINE OFF	ENGINE		TRANSMISSION		AIR CONDITIONING	
	Temperature (Degrees C)	Duty Cycle	Temperature (Degrees C)	Duty Cycle	hPa	Duty Cycle
FAN 1	86	0	—	—	—	—
	87	20				
	88	30				
	91	30				

ENGINE / COOLING SYSTEM

	92	40				
	93	50				
	94	62				
	95	75				
	96	80				
	112	90				
FAN 2	–	–	–	–	–	–

COOLING FAN OPERATION - NON HVAC MODELS

KEY ON, ENGINE ON	ENGINE		TRANSMISSION		AIR CONDITIONING	
	Fan On (Degrees C)	Fan Off (Degrees C)	Fan On (Degrees C)	Fan Off (Degrees C)	Fan On (Degrees C)	Fan Off (Degrees C)
FAN 1	97	92	75	70	–	–
FAN 2	102	94	75	70	–	–

KEY ON, ENGINE OFF	ENGINE		TRANSMISSION		AIR CONDITIONING	
	Fan On (Degrees C)	Fan Off (Degrees C)	Fan On (Degrees C)	Fan Off (Degrees C)	Fan On (Degrees C)	Fan Off (Degrees C)
FAN 1	116	110	–	–	–	–
FAN 2	–	–	–	–	–	–