

2003-04 ENGINE COOLING**Specifications & Drive Belt Routing - RAV4****COOLING SYSTEM BLEEDING**

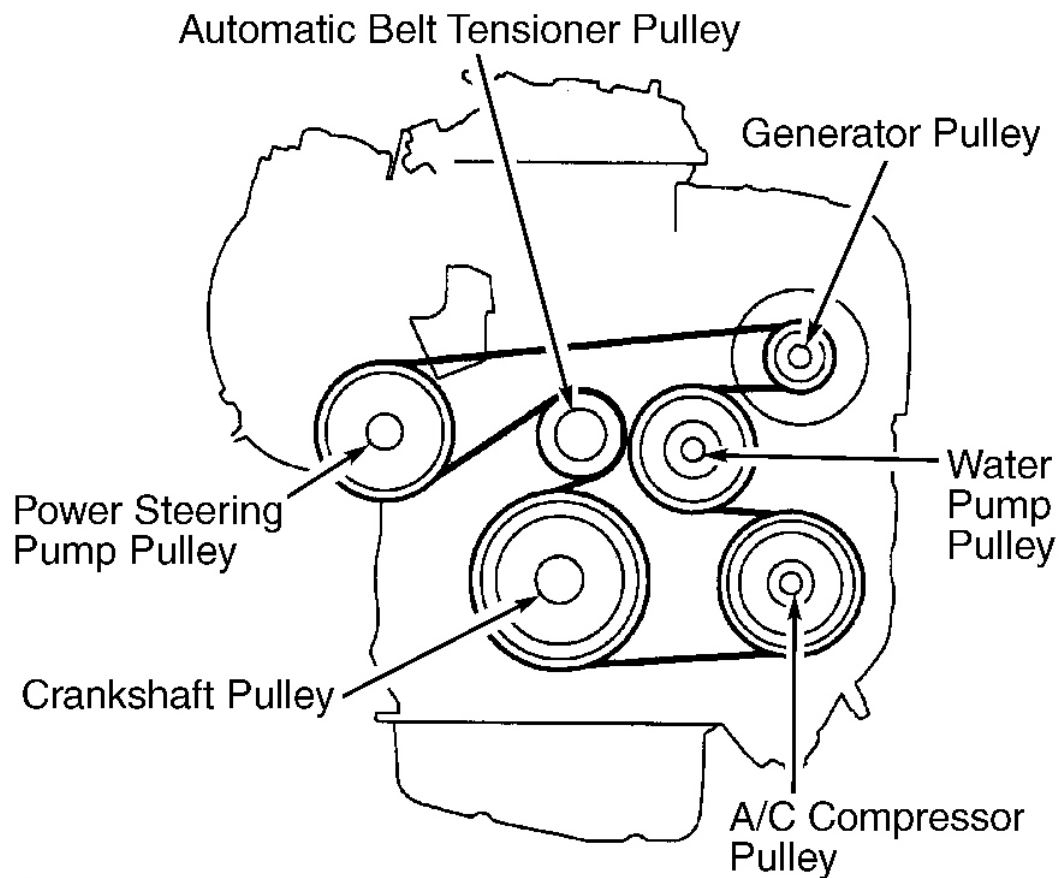
1. Ensure engine is cool. Remove radiator cap. Loosen radiator drain plug. Loosen drain plug on engine, then drain coolant. Close drain plugs. Go to next step.

NOTE: **DO NOT use alcohol type coolant. Pre-mix coolant concentration to about 50 percent ethylene-glycol.**

2. Slowly add coolant until system is full. Observe coolant level while squeezing inlet and outlet hoses by hand. Install radiator cap. Go to next step.
3. Start engine and allow to run for about 10 seconds. Shut engine off. Remove radiator cap after 10 seconds. If coolant level dropped, add coolant. Repeat this step until coolant level remains the same. If coolant level is not low, go to next step.
4. Start engine and maintain engine speed at 2000-2500 RPM, and warm engine. Stop engine, and allow engine to cool. If coolant level is low, add coolant. Install radiator cap. Check coolant reservoir. If coolant level is not to FULL mark, fill reservoir with coolant until full. Check system for leaks.

DRIVE BELT ROUTING

Automatic belt tensioner is used to provide proper tension on serpentine drive belt. For serpentine drive belt routing, see **Fig. 1** .



G00023086

Fig. 1: Serpentine Drive Belt Routing (RAV4)

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

SPECIFICATIONS

BELT ADJUSTMENT

Serpentine belt uses an automatic belt tensioner, so no adjustment is necessary, but serpentine drive belt must be properly installed. See **Fig. 1** . See **BELT ADJUSTMENT TENSION** table.

BELT ADJUSTMENT TENSION

Application	Specification
Serpentine Belt	(1)
(1) Automatic belt tensioner is used. Adjustment is not required.	

2004 Toyota RAV4

2003-04 ENGINE COOLING Specifications & Drive Belt Routing - RAV4

COOLING SYSTEM SPECIFICATIONS

COOLING SYSTEM SPECIFICATIONS

Application	Specification
Coolant Replacement Interval	
2003	30,000 Miles Or (24 Months)
2004	100,000 Miles Or (120 Months)
Coolant Capacity	
2003	
Manual Transmission	6.7 Quarts (6.3L)
Automatic Transmission	6.6 Quarts (6.2L)
2004	
Manual Transmission	7.0 Quarts (6.6L)
Automatic Transmission	7.2 Quarts (6.8L)
Radiator Cap	
Standard Opening Pressure	
Minimum Opening Pressure	
2003	11.5 psi
2004	11.4 psi
Thermostat Opening Temperature	176-183°F (80-84°C)