



INSTALLATION INSTRUCTIONS

COOLANT TANK KIT




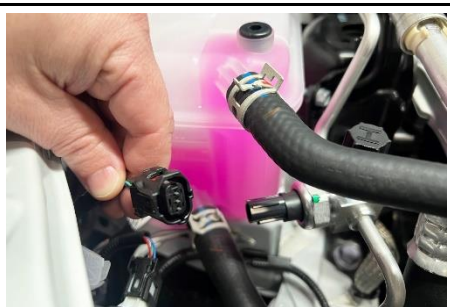


TOYOTA GR COROLLA





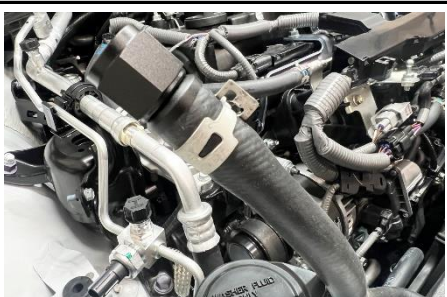

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NOTES:

- o Installation to be performed on engines that are completely cooled down.
- o Do NOT perform installation on a hot engine.
- o It is NOT necessary to drain the coolant system before installation.

STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	4mm Allen Wrench	Place the included gasket between the 2 halves of the Radium coolant tank. Install the long screws into the bottom holes of the coolant tank, as shown.	
	in-lbs. Torque Wrench		
	Anti-Seize	Tighten the long screws snugly in the order shown. Then, tighten to 53 in-lbs. (6 Nm) in the same sequence. DO NOT OVERTIGHTEN.	
		NOTE: After the tank is heat cycled, check the gasket for leaks and retorque if needed.	
2	Adjustable Wrench	Install the two 90 degree pipe elbows into the threaded holes on the side of the coolant tank. Tighten them down until they become difficult to turn. Orient each elbow as shown and insert the included clear tube into one of the elbows. Push firmly until a "click" is felt.	
3	Adjustable Wrench	Bend the tube and install the opposite end into the other elbow fitting. Next, rotate the fittings until the tube is straight.	
4		Insert the included O-ring into the groove on top of the coolant tank.	

5	3mm Allen	Install the coolant tank neck in the orientation shown using the 3 included button-head screws.	
6	3/8" Allen Wrench	Lubricate the O-rings on the following fittings prior to installing.	
	6mm Allen Wrench	Install the plug fitting into the bottom port shown.	
	19mm Wrench	Install the 10AN banjo fitting into the other bottom port.	
	Oil Lubrication	Install the included 6AN fitting into the side port.	
		Install the pressure cap (sold separately).	
7	4mm Allen Wrench	As shown, secure the mounting bracket to the coolant tank using 3 of the provided screws.	
	Thread Locker		
8		Pop the front hood (bonnet). To remove the engine cover, simply pull up on all 4 corners. This will release the 4 rubber grommets.	
		Unplug the HVAC electrical connector shown.	
9	10mm Socket	Unscrew the mounting bolt shown.	
10	Pliers	As shown, loosen the spring clamp on the upper hose. Pull the coolant tank upwards to release it from the rubber mounting grommet. To prevent spilling, tip the coolant tank up and carefully remove the hose from the tank.	
		NOTE: temporarily plug the hose or keep it at a high point to avoid seepage.	

11		Empty the coolant into a clean container.	
12		Remove the cap to completely empty the tank.	
13	Pliers	As shown, loosen the spring clamp on the lower hose. To prevent spilling, tip the coolant tank and carefully remove the hose from the tank. NOTE: temporarily plug the hose or keep it at a high point to avoid seepage.	
14		The OEM coolant tank and cap will NOT be reused.	
15	Pliers	Insert the 10AN hose end into the lower coolant hose. Secure with the OEM spring clamp.	
	1" Wrench	While holding the coolant tank, screw the 10AN hose end into the lower 10AN fitting.	
16		When the placing the coolant tank into position, be sure to insert the bracket mounting indicator to the OEM rubber grommet (as shown).	

17	4mm Allen Wrench	As shown, install the last 2 provided screws.	
18	Pliers	The upper coolant tank hose will be modified. Temporarily loosen the inner OEM spring clamp, but do not remove the hose from the inner bar.	
	Hose Cutter	Remove the outer hose clamp. This OEM spring clamp will NOT be reused.	
		As shown, cut the outer bend from the upper hose.	
19		As shown, insert the provided spring clamp to the OEM hose.	
20	Pliers	Insert the 6AN hose end into the upper coolant hose. Secure with the provided spring clamp, as shown.	
	11/16" Wrench	Screw the 6AN hose end into the upper 6AN fitting.	
		If necessary, rotate the hose with respect to the inner and outer connections for optimal fitment. Be sure to secure both spring clamps.	
21		Insert the provided 7/32" hose to the overflow barb. As shown, insert the hose through the slot on the backside of the mounting bracket. Route the hose down into the fender well.	
		NOTES:	
		1. No hose clamp is necessary.	
		2. Keep the hose away from hot areas and any moving components. If necessary, cut this hose to length.	
22		Fill the tank with the recycled coolant. If no coolant was spilled, it is likely that there will be just enough. A good starting point is when the rear sight tube registers halfway full.	

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Install the pressure cap. NOTE: Radium Engineering caps are available with different pressure relief ranges for optimal performance.

Plug in the HVAC electrical connector. Start the vehicle and let the engine reach operating temperature. Check for leaks. The coolant tank may need to be refilled after the thermostat has opened and all air has been discharged from the system.

INSTALLATION COMPLETE

