



INSTALLATION INSTRUCTIONS





COOLANT TANK KIT

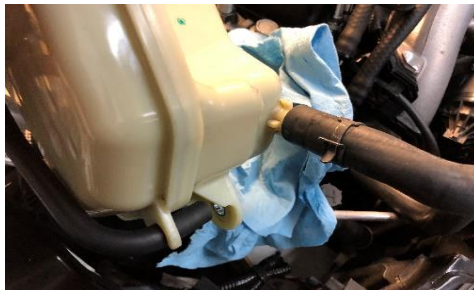





2017+ Honda Civic Type-R

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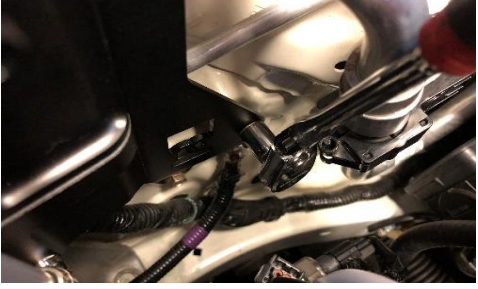


NOTES:



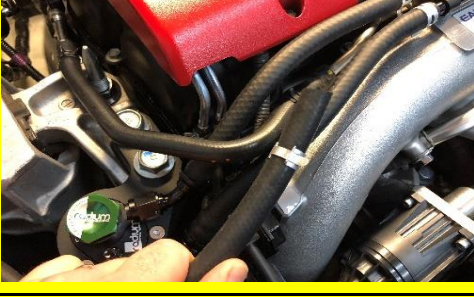
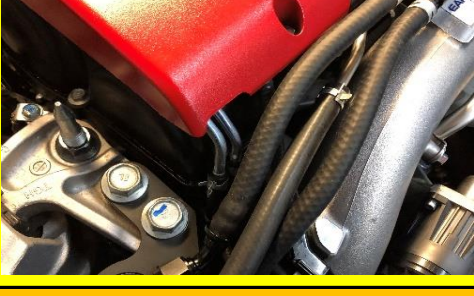


- o Installation to be performed on engines that are completely cooled down.
- o Do NOT perform installation on a hot engine.
- o It is NOT necessary to drain the coolant system before installation.




STEP	TOOLS NEEDED	INSTRUCTIONS	PHOTO
1	Pliers	Remove the pressure cap from the OEM coolant tank to release any pressure in the system. Once pressure has equalized, reinstall the cap.	
		Release the spring clamp and pull the hose off the small barb on the OEM coolant tank, as shown.	
2		Plug the OEM rubber hose temporarily to keep coolant from leaking.	
		NOTE: As shown, a 1/4" socket extension works well.	
3	10mm socket	Remove the 2 mounting screws that secure the coolant tank to the chassis. These screws will NOT be re-used.	
4	14mm socket	Remove the engine mount brace shown.	

5	Pliers	Lift up the coolant tank to gain access to the large hose connected to the lower port. Loosen and slide off the spring hose clamp.		
6		Disconnect the hose from the bottom port. Be prepared to catch the coolant that will leak out of both areas. Make sure the tank is being held in a manner that does not allow coolant to drain out of the port.		
7	Bucket	Drain the contents of the coolant tank into a clean bucket.		
8	10mm Socket	Remove the 2 mounting screws holding the inner coolant tank bracket to the strut tower. This bracket will NOT be reused but the screws will be reused.		
9	10mm Socket	Remove the 2 mounting screws holding the outer coolant tank bracket. This bracket will NOT be reused. One of these screws will be used.		
10	8mm wrench	Unwrap both halves of the coolant tank and clean out any residual packaging material. Grab the top half of the coolant tank (shown) and 1 of the push-to-connect NPT elbows provided in the kit.		
	PTFE thread paste			
		Apply PTFE thread paste then hand tighten the elbow fitting into the port shown. Now add an additional 1.5 to 3 turns until it faces directly downwards, as shown. NOTE: The tapered pipe threads are preimpregnated with Teflon so no addition lubrication is required.		

11	8mm wrench	Grab the bottom half of the coolant tank (shown) and the other push-to-connect NPT elbows provided in the kit.	
	PTFE thread paste		
12		Push-in and fully insert the clear sight tubing into the elbow fitting on the bottom half of the coolant tank.	
13	Anti-seize	Place the gasket between the 2 tank halves. Lneup and fully seat the opposite side of the clear sight tube into the opposing elbow.	
	4mm Allen wrench		
	Torque wrench	Install the 7 socket head bolts. It is recommended to use anti-seize on the threads to prevent galling. Tighten all screws evenly until snug in a crisscross sequence, then torque to 53 in-lbs (6 Nm).	
	NOTE: After the tank is heat cycled, check the gasket for leaks and retorque if needed.		
14	3mm Allen	Insert the included O-ring into the groove on top of the coolant tank.	
		Install the coolant tank neck in the orientation shown using the 3 included button-head screws.	
15	Oil Lubrication	Install the 10AN plug fitting into the bottom port shown. Be sure to prelubricate the O-ring.	
	3/8" Allen Wrench		
	5mm Allen Wrench	Install the included 10AN ORB to 8AN male banjo fitting into the other bottom port. Be sure to prelubricate the O-ring.	
	7/8" Wrench		
		Install and tighten the 8AN PushLok hose end onto the banjo fitting, as shown.	
16	4mm Allen Wrench	Install the coolant tank mounting bracket as shown and fully tighten the provided mounting screws.	

17	Pliers	Test the coolant tank in the engine bay to check fitment. The lower banjo fitting should be in a parallel path with the electrical harness. Because the banjo fitting permits swiveling, it will likely autocorrect as the coolant tank is lowered.	
		Attach the large OEM coolant hose to the hose-end. Secure the hose using the original spring clamp, as shown.	
18		Line up the mounting bracket holes with the OEM threaded bosses in the stock location.	
19	10mm Socket	Reusing some of the OEM coolant tank mounting screws, secure the Radium coolant tank mounting bracket to the chassis. The first threaded boss is located under the nearby A/C line.	
20	10mm Socket	The other 2 threaded holes are located on the strut tower.	
21	14mm Socket	Reinstall the engine mount brace using the 3 OEM bolts.	
22	Rag	Remove the OEM hose. Catch any coolant that may spill out with a rag. NOTE: The Honda FL5 Civic Type-R coolant hose is shown.	

23	Oil Lubrication 4mm Allen Wrench	Install the barbed swiveling fitting into the 6AN ORB upper port of the coolant tank. Be sure to prelubricate the O-ring.	
24	Pliers	Find the 5/16" heater hose and spring clamps included in the kit.	
		Secure one end of the hose to the swiveling fitting. Secure using one of the provided spring clamps.	
25	Hose Cutter	Honda FK8 Civic Type-R ONLY	
		Route the 5/16" heater hose under the engine mount brace and over towards the coolant pipe at the front of the engine.	
		Determine an appropriate length for the hose and cut.	
26	Pliers	Honda FK8 Civic Type-R ONLY	
		Attach the new 5/16" heater hose to the coolant pipe and secure with the included spring clamp.	
27	Diagonal Cutter	Honda FL5 Civic Type-R ONLY	
		Route the 5/16" heater hose along the A/C line and over towards the radiator. Using the provided cable zip ties, secure to the A/C line, as shown.	
28	Hose Cutter	Honda FL5 Civic Type-R ONLY	
	Pliers	Insert the hose into the OEM clip, as shown.	
		Determine an appropriate length for the hose and cut. Attach the 5/16" heater hose and secure with the included spring clamp.	

29	Funnel	Pour the coolant collected from earlier into the tank using a funnel. Ideally, the coolant tank should be just over halfway full according to the sight tube. Add more coolant if needed.	
30		Install the provided small diameter hose to the overflow barb near the pressure cap. Route the hose down and out of the engine bay. Keep the hose away from hot areas and any moving components such as the serpentine belt, suspension, etc.	
		NOTE: this hose does NOT require a clamp.	
31		Start the vehicle and let the engine reach operating temperature. Check for leaks and address any that may occur.	
		Install the OEM pressure cap.	
		INSTALLATION COMPLETE	