

Change Coolant Regularly

When long life coolant is used beyond its intended life, it loses effectiveness, which can cause corrosion in the cooling systems, coolant leakage, radiator blockage and overheating. In cold regions, coolant may freeze, causing engine damage.



Ask for Genuine Toyota.

Only Genuine Toyota Long Life Coolants are designed and engineered specifically for your Toyota vehicle. For trouble-free driving, always ask for a Genuine Toyota Long Life Coolant.



The bottle design and labels may vary from country to country.



TOYOTA MOTOR CORPORATION

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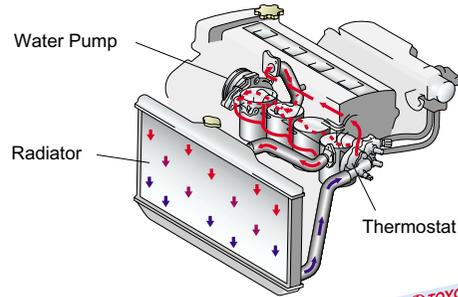


Genuine parts bring genuine value.

LONG LIFE COOLANT



LONG LIFE COOLANTS help keep the engine from overheating and protect cooling system parts from rust and corrosion. In cold regions, they also prevent the coolant from freezing.



I'll use Genuine Toyota Long Life Coolant.

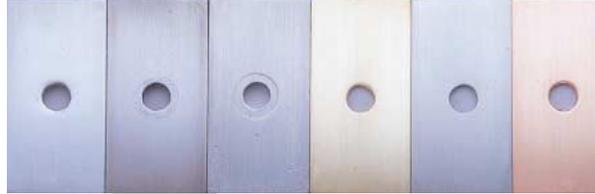
START

It's time to change the engine coolant.

I'll use a non-genuine long life coolant.

With a Genuine Toyota Long Life Coolant

Test result using Genuine LLC (Long Life Coolant)



Cast Aluminum Cast Iron Solder Brass Steel Copper

Corrosion Prevention

Within a cooling system, there is a range of metallic components. To be effective, a coolant must possess anti corrosion qualities to protect each type of metal. Genuine Toyota Long Life Coolant has been evaluated using a range of metals, including aluminum alloy, cast iron, steel, brass, solder and bronze. It has demonstrated optimal corrosion protection and does not damage non-metallic parts (rubber, resin etc.). Non-genuine long life coolants were not created specifically for Toyota vehicles and may, therefore, cause corrosion.

Test result using non-genuine LLC (Long Life Coolant)



Cast Aluminum Cast Iron Solder Brass Steel Copper

Without a Genuine Toyota Long Life Coolant

CHARACTERISTICS

	Genuine Toyota LLC	Non-genuine LLC	Anti-rust Coolant	Water
Cooling Performance	GOOD	GOOD	GOOD	GOOD
Rust Prevention	GOOD	FAIR	FAIR	POOR
Rubber, Resin Compatibility	GOOD	FAIR	GOOD	GOOD
Overheat Prevention	GOOD	GOOD	POOR	POOR
Antifreeze Performance	GOOD	GOOD	POOR	POOR

CONTENTS

Ethylene Glycol	•	•	X	X
Anti-rusting Agent	•	•	•	X
Water	•	•	•	•

• : Included x : Not included

Protection from Overheating

A reduction in the boiling point of a long life coolant can increase evaporation leading to a decrease in coolant volume and eventually, overheating. Genuine Toyota Long Life Coolant is based on ethylene glycol and surpasses Toyota's strict quality standards. In addition, mineral deposits are less likely to form in Genuine Toyota Long Life Coolant.

Protection from Freezing

When the air temperature drops below the freezing point, any and all coolants may freeze. As a result, expansion can cause cracks in the engine cylinder block. Genuine Toyota Long Life Coolant maintains an optimal freezing point, which passes Toyota's strict standards and prevents freezing.



Even Genuine Toyota Long Life Coolant needs to be changed regularly. If it is used beyond its intended life, it will lose effectiveness.

We recommend that you have your long life coolant regularly changed at your local Toyota dealer.