NEW FEATURES

■ 1AZ-FE AND 2AZ-FE ENGINE

1. Cooling System

The TOYOTA genuine Super Long Life Coolant (SLLC) has been adopted. As result, the maintenance interval has been extended.

▶ Specifications ◀

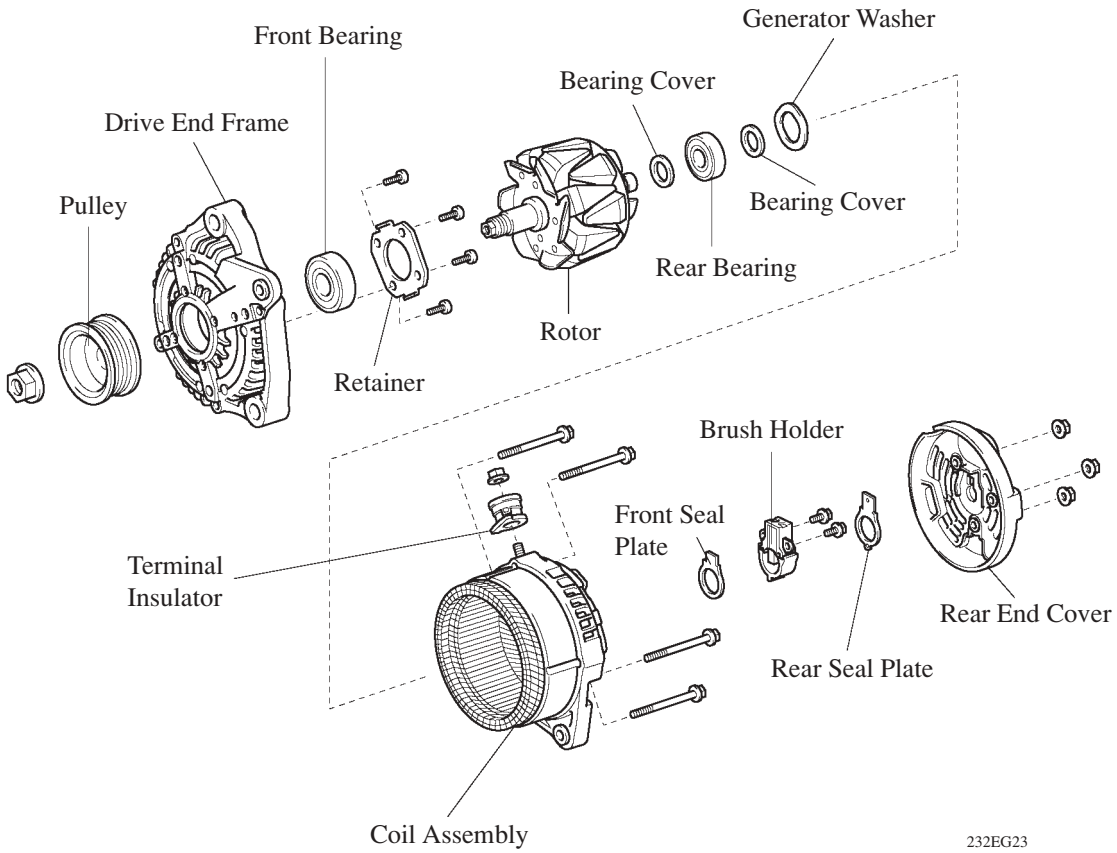
Model			New	Previous
Engine Coolant	Capacity litter (US qts, Imp. qts)		6.2 (6.6, 5.4)	←
	Type		TOYOTA Genuine (SLLC)	TOYOTA Genuine (LLC)
	Color		Pink	Red
	Maintenance Intervals	First time	160,000 km (100,000 mile)	60,000 km (37,500 mile)
		Subsequent	Every 80,000 km (50,000 mile)	Every 30,000 km (18,000 mile)
Thermostat	Operating Temperature °C (°F)		80 – 84 (176 – 183)	←

- SLLC is pre-mixed (50% coolant and 50% distilled water), so no dilution is needed when adding or replacing SLLC in the vehicle.
- If LLC is mixed with SLLC, the interval for LLC (every 30,000 km/18,000 mile or 24 months) should be used.
- You can also apply the new maintenance interval (every 80,000 km/50,000 mile) to vehicles initially filled with LLC (red-colored), if you use SLLC (pink-colored) for the coolant change.

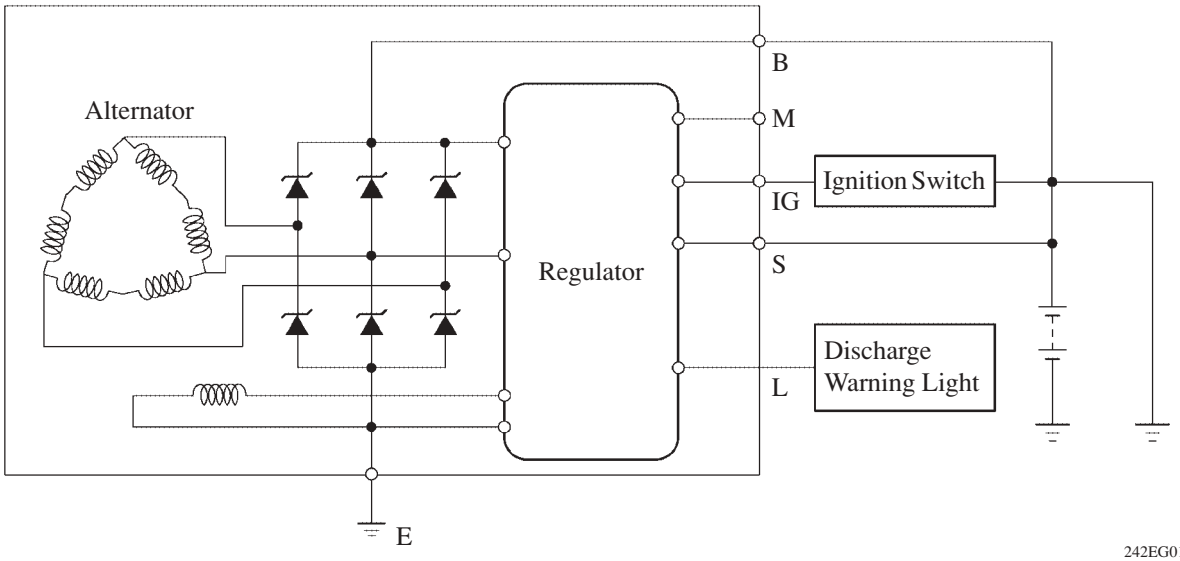
2. Charging System

A compact and lightweight Segment Conductor type alternator that generates high amperage output in a highly efficient manner has been adopted on optional equipment.

▶ Component of Segment Conductor Type Alternator ◀

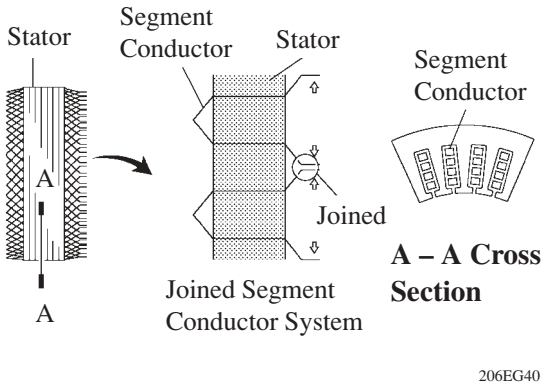


▶ Wiring Diagram ◀

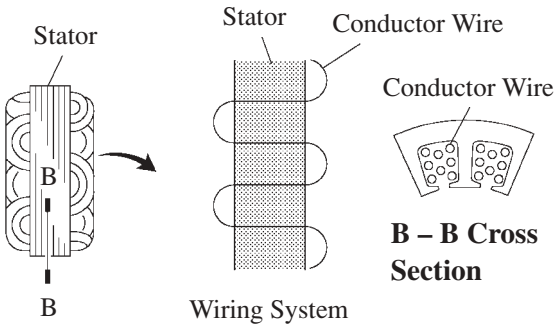


Construction and Operation

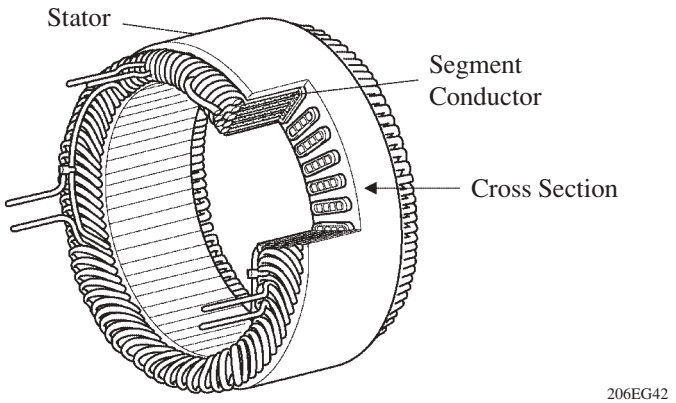
This alternator has a joined segment conductor system, in which multiple segment conductors are welded together to form the stator. Compared to the conventional winding system, the electrical resistance is reduced due to the shape of the segment conductors, and their arrangement helps to make the alternator more compact.



Segment Conductor Type Alternator



Conventional Type Alternator



Stator of Segment Conductor Type Alternator