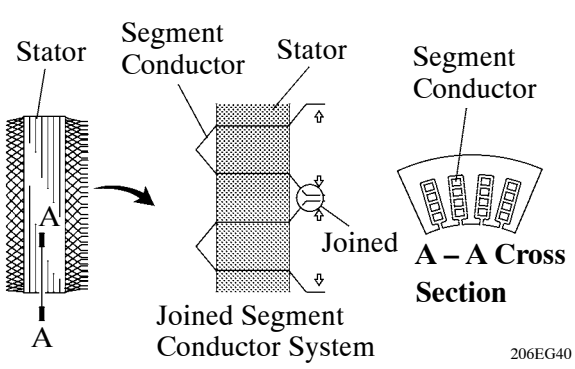
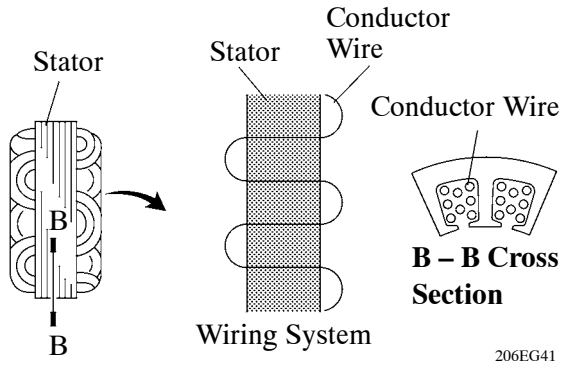
■ CHARGING SYSTEM

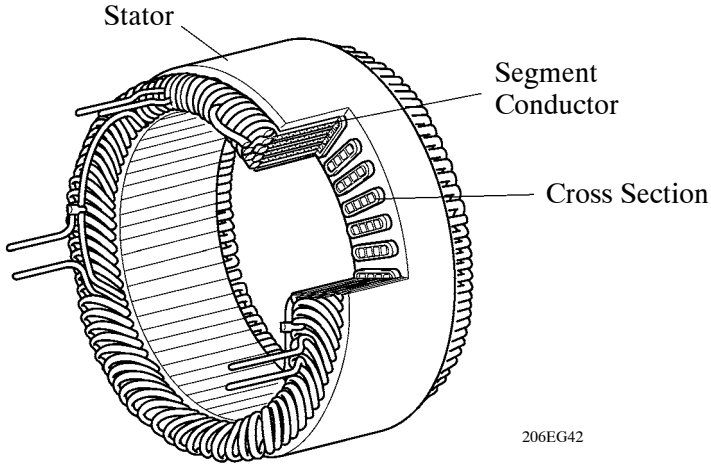
- A compact and lightweight segment conductor type alternator that generates high amperage output in a highly efficient manner is used.
- This alternator has a joined segment conductor system, in which multiple segment conductors are welded together to form the stator. Compared to the conventional winding 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

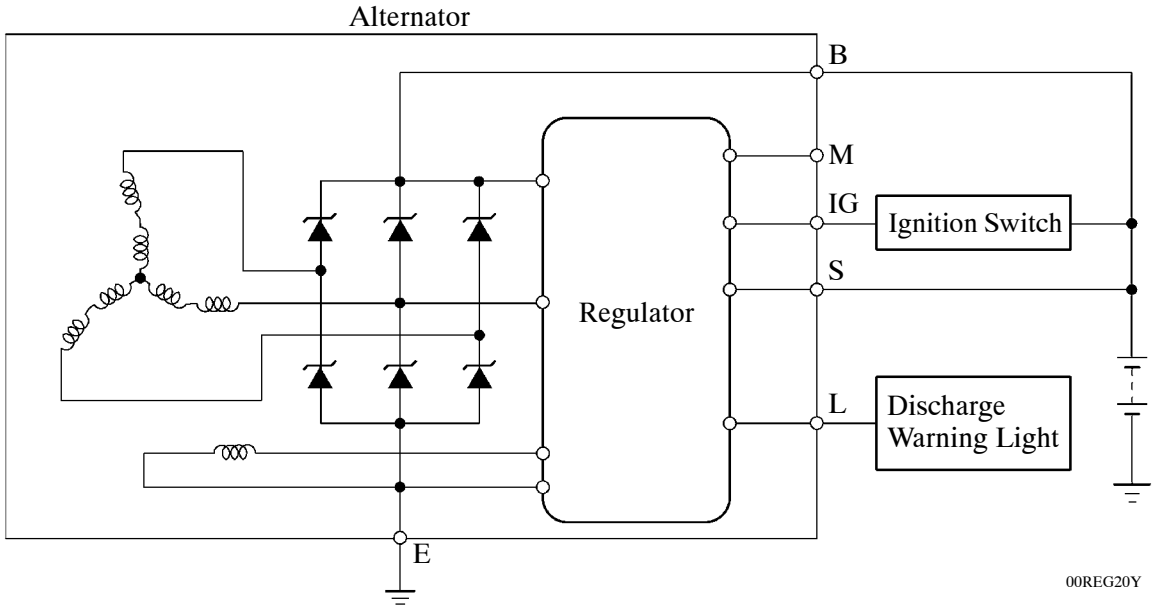


Stator of Segment Conductor Type Alternator

▶ Specifications ◀

Type	SE08
Rated Voltage	12 V
Rated Output	80 A
Initial Output Starting Speed	1250 rpm Max.

▶ Wiring Diagram ◀



■STARTING SYSTEM

1. General

- A compact and lightweight PS (Planetary reduction-Segment conductor motor) type starter is used.
- A conventional planetary reduction type starter is used.
- A planetary reduction type starter with an interpolar magnet is used. The structure of the interpolar magnet is the same as that of the interpolar magnet used in the PS type starter described above.

▶ Specifications ◀

Starter Type	P1.0*1	RA1.4*2	PS1.6*3	DW1.7*4
	Planetary Reduction Type	←	PS Type	Planetary Reduction Type with Interpolar Magnet
Supplier	DENSO	←	←	BOSCH
Rating Output	1.0 kW	1.4 kW	1.6 kW	1.7 kW
Rating Voltage	12 V	←	←	←
Length*5	157 mm (6.2 in.)	132 mm (5.2 in.)	127 mm (5 in.)	153 mm (6 in.)
Weight	3100 g (6.8 lb)	3650 g (8.0 lb)	2800 g (6.2 lb)	3300 g (7.3 lb)
Rotation of Direction*6	Clockwise	←	←	←

*1: Except models for South Africa with 1TR-FE engine
*2: Models for G.C.C. countries with 2TR-FE engine
*3: Models for Thailand, Australia and General countries
*4: Models for South Africa, Central and South America, and ANCOM
*5: Length from mounted area to rear end of the starter
*6: Viewed from pinion side

EG