SEBE62210103

Shop Manual

KOMATSU®

108 SERIES

DIESEL ENGINE

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ENGINE

11 STRUCTURE AND FUNCTION



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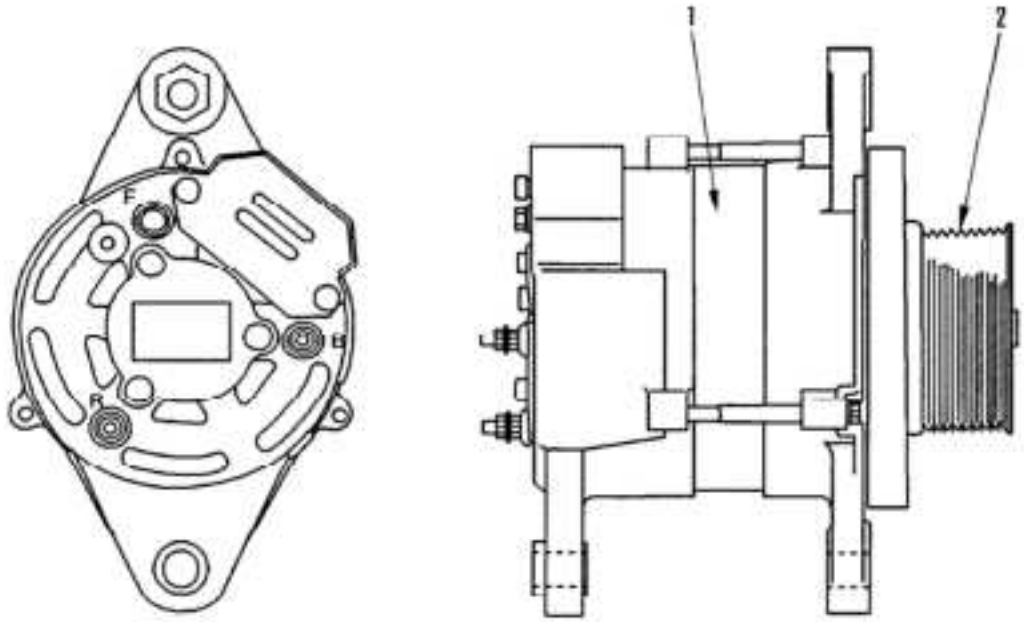
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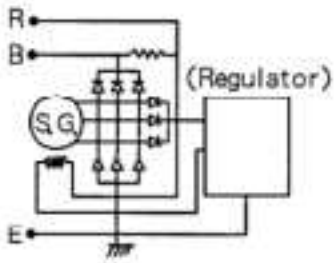
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With built-in regulator (open type)





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Internal wiring diagram

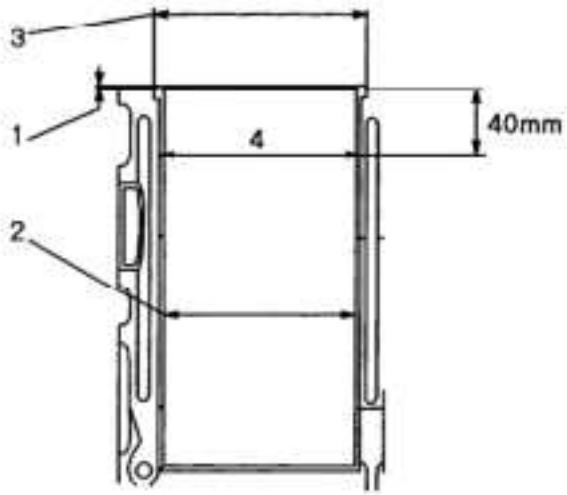
1. Alternator
2. Alternator pulley

B, E, R: Terminals

Engine	Machine	Type	Specifications	Weight	Pulley O.D.
S6D108-1	D57S-1 (OP)	Nikko Denki, Open type	24 V, 25 A	8.5 kg	85 mm
SA6D108-1	PC300-5	Nikko Denki, Open type	24 V, 25 A	8.5 kg	88 mm

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CYLINDER LINER



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Unit:mm

No.	Check item	Criteria			Remedy
1	Protrusion of cylinder liner	Permissible range : 0.05 – 0.13			Replace cylinder linner or cylinder block
2	Inside diameter of cylinder liner	Standard size	Tolerance	Repair limit	Replace cylinder linner
		108	+ 0.032 0	108.20	
	Roundness of cylinder liner	Repair limit : 0.15			
	Cylinder of cylinder liner	Repair limit : 0.08			
3	Outside diameter of cylinder liner (Counter bore)	Standard size	Tolerance		
		120	0 -0.08		
	Clearance between cylinder block and cylinder liner (Counter bore)	Standard clearance : 0.10 – 0.28			Replace cylinder liner or cylinder block
4	Interference between cylinder liner and cylinder block (The average value in the front-rear and left-right dirsctions at a point 40mm from the top surface)	Standard size	Mark	Tolerance: Liner O.D. / Block I.D.	Standard interference
		111.4	S	+ 0.029 + 0.017 / + 0.012 + 0.006	0.005 – 0.030
			M	+ 0.042 + 0.029 / + 0.024 + 0.012	
			L	+ 0.053 + 0.042 / + 0.030 + 0.04	

Replace cylinder liner or cylinder block (Selection of size) (Assemble a part of the same mark)

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