SEBM008613

SHOP MANUAL

KOMATSU®

6D140-2 SERIES DIESEL ENGINE

MidWestTech | Komatsu 6D140-2 Series Diesel Engine Service Manual | Publication SEBM008613

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Dimension table

★ These dimensions are reference values for use when installing to a test bench.

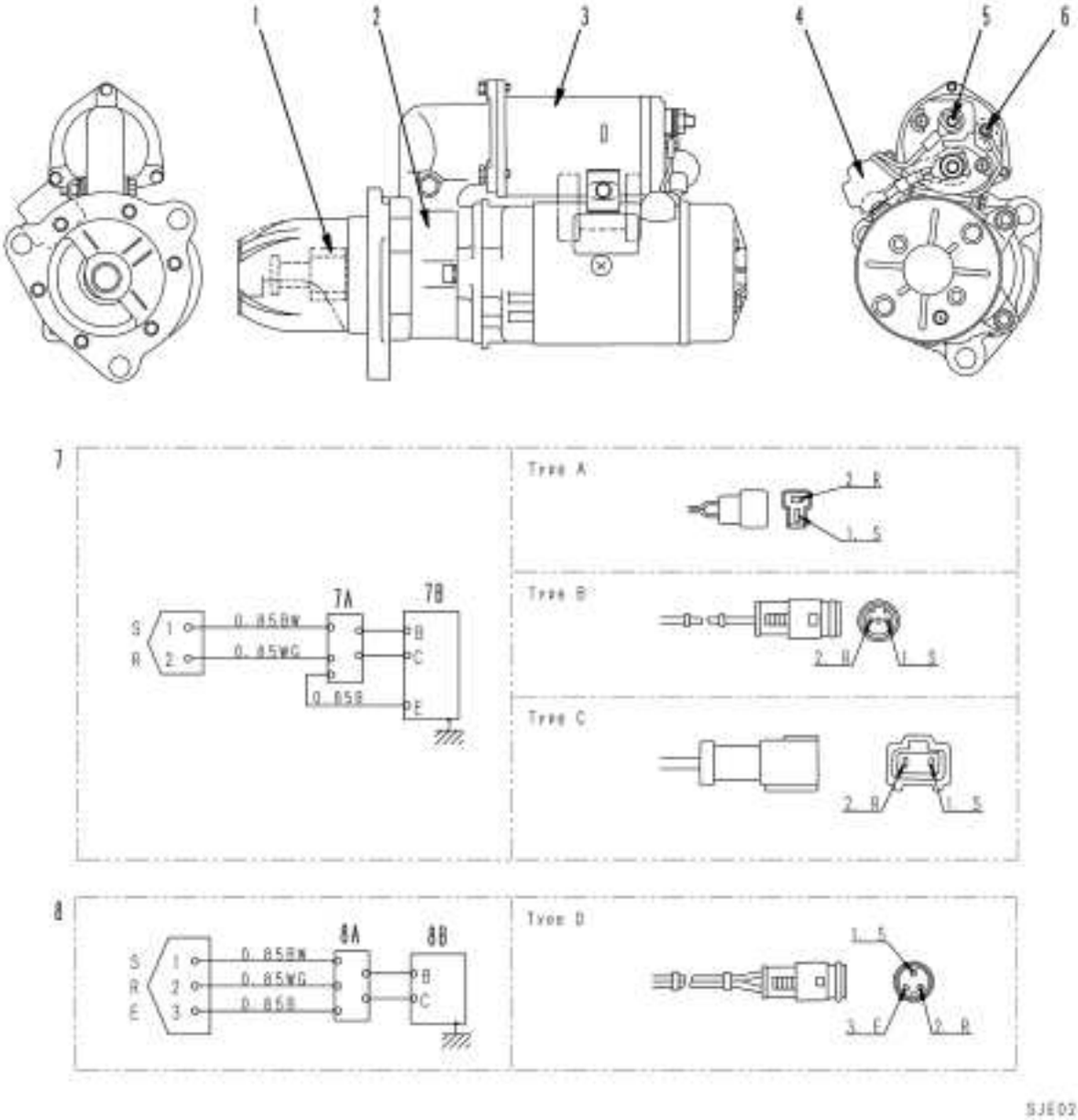
Engine	Machine model	Dimensions for each part (mm)						
		A	B	C	D	E	F	G
SDA6D140E-2	D275A-5 (–50°C spec.)	1,461	1,056	2,084	—	—	—	—

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Starting motor

For 7.5 kW

★ The shape may differ according to the machine model.



SJE02145

1. Pinion gear
2. Starting motor assembly
3. Magnetic switch
4. Safety relay
5. Terminal B
6. Terminal C
7. External wiring diagram (2-pin connector type)
   7A. Safety relay portion
   7B. Starting motor portion
8. External wiring diagram (3-pin connector type)
   8A. Safety relay portion
   8B. Starting motor portion

S. To starting switch terminal C
R. To alternator terminal R
E. To ground

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⚠ When carrying out testing and adjusting, or troubleshooting, stop the machine on level ground, fit safety pins, block the wheels, and apply the parking brake.

⚠ When carrying out operations with two or more workers, always use signals, and do not allow any unauthorized person near the machine.

⚠ When checking the water level, if the radiator cap is removed when the engine is hot, boiling water will spurt out and may cause burns, so always wait for the engine to cool down before checking the water level.

⚠ Be extremely careful not to touch any hot parts.

⚠ Be extremely careful not to get caught in the fan or any other rotating parts.

⚠ When removing the plugs or caps from places under hydraulic pressure, water pressure, or air pressure, release the internal pressure first. Fit the measuring tools securely before carrying out any testing, adjusting, or troubleshooting.

★ When using the standard values table for judgement in testing, adjusting, or troubleshooting, it is necessary to be careful of the following points.

1. The standard values for the new machines in the standard values table are values given as reference from the standards for new machines and machines shipped from the factory. They should be used as values for estimating wear during operation or as target values when carrying out repairs.
2. The failure judgement standard values in the standard values table are values using estimated values based on the results of various tests and standard values for machines shipped from the factory. Use these values for reference together with the repair and operation history of the machine when judging failures.
3. Do not use this standard values table as a standard for judging claims.

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