

Removal and Installation of Generator

On Models 180 to 220 SE the removal and installation procedures for the generator are essentially the same as on Model 190. The electric leads on all models have the same color coding. The only differences are in the generator mounting and are illustrated in the Figures below.

Model 190 (1st version) and 190 SL Models 190 (2nd version), 180 a, 180 b, 190 D, and 190 Db

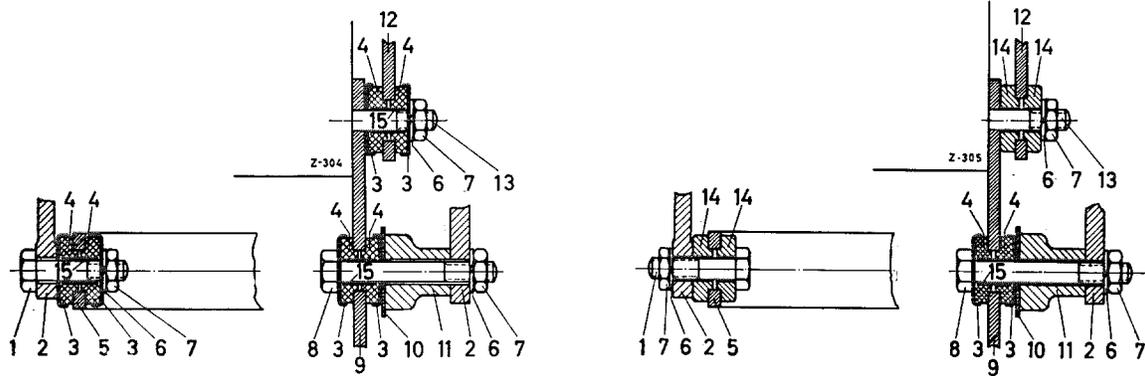


Fig. 15-11/1

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|---|---|---------------------------------------|
| 1 Hexagon screw
M 8 × 32 DIN 931-8 G | 6 Lock washer B 8 DIN 127 | 11 Spacer sleeve 25.5 mm long |
| 2 Generator | 7 Hexagon nut M 8 DIN 934-5 S | 12 Tensioning screw |
| 3 Cup washer | 8 Hexagon screw
M 8 × 60 DIN 931-8 G | 13 Stud screw M 8 × 30 DIN
939-5 S |
| 4 Rubber washer | 9 Engine support | 14 Washer |
| 5 Support | 10 Washer | 15 Sleeve |

Models 180, 180 D, and 180 Db

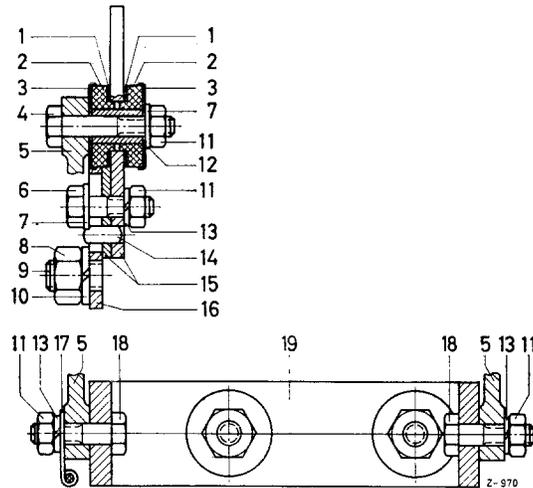


Fig. 15-11/2

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|--------------------------------------|---|--|
| 1 Washer | 8 Hexagon nut M 12 DIN 934-5 S | 15 Generator bracket |
| 2 Rubber washer | 9 Stud screw M 12 in crankcase | 16 Generator retainer |
| 3 Cup washer | 10 Lock washer | 17 Ground lead |
| 4 Hexagon screw M 8 × 40 DIN 931-8 G | 11 Hexagon nut M 8 DIN 934-5 S | 18 Hexagon screw
M 8 × 28 DIN 931-8 G |
| 5 Generator | 12 Sleeve | 19 Generator support |
| 6 Hexagon screw M 8 × 25 DIN 931-8 G | 13 Lock washer | |
| 7 Washer | 14 Notched cylindrical
pin 8 × 14 DIN 1473 | |

Models 220 a, 219, 220 S, and 220 SE

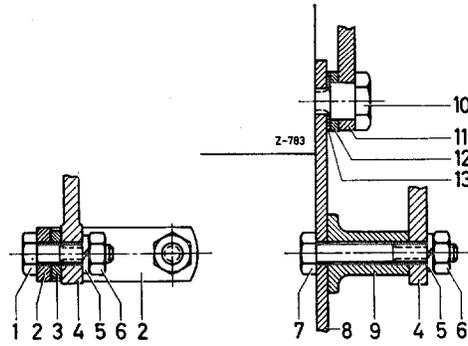


Fig. 15-11/3

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|--------------------------------------|----------------------------|
| 1 Hexagon screw M 8 × 30 DIN 931-8 G | 8 Engine support |
| 2 Generator support | 9 Spacer sleeve 31 mm long |
| 3 Spacer ring 4 mm long | 10 Hexagon screw |
| 4 Generator | 11 Tensioning screw |
| 5 Lock washer B 8 DIN 127 | 12 Spring washer |
| 6 Hexagon nut M 8 DIN 934-5 S | 13 Lock washer |
| 7 Hexagon screw M 8 × 55 DIN 931-8 G | |