

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

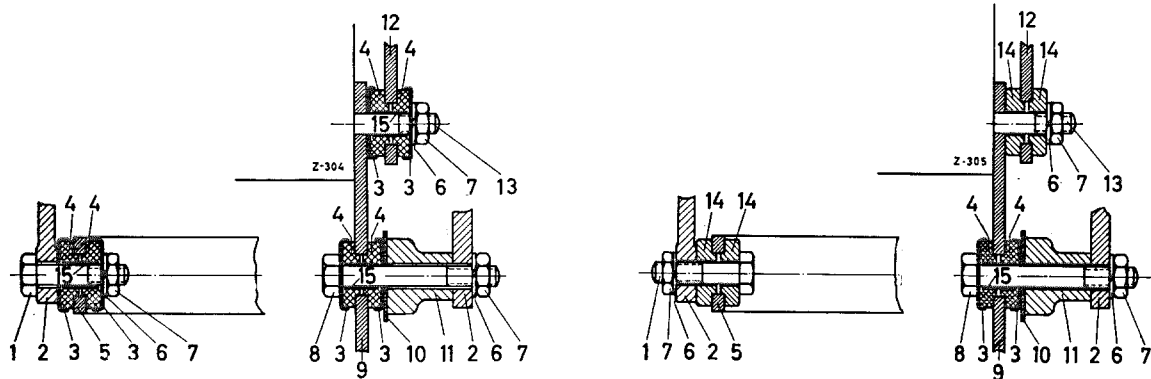


Fig. 15-11/1

- 1 Hexagon screw
M 8 × 32 DIN 931-8 G
- 2 Generator
- 3 Cup washer
- 4 Rubber washer
- 5 Support

- 6 Lock washer B 8 DIN 127
- 7 Hexagon nut M 8 DIN 934-5 S
- 8 Hexagon screw
M 8 × 60 DIN 931-8 G
- 9 Engine support
- 10 Washer

- 11 Spacer sleeve 25.5 mm long
- 12 Tensioning screw
- 13 Stud screw M 8 × 30 DIN
939-5 S
- 14 Washer
- 15 Sleeve

Models 180, 180 D, and 180 Db

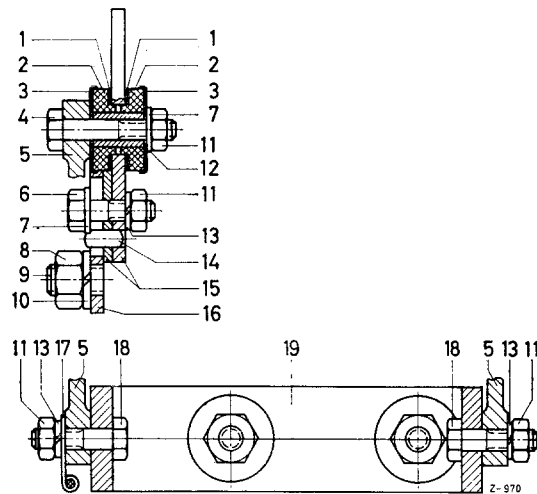


Fig. 15-11/2

- 1 Washer
- 2 Rubber washer
- 3 Cup washer
- 4 Hexagon screw M 8 × 40 DIN 931-8 G
- 5 Generator
- 6 Hexagon screw M 8 × 25 DIN 931-8 G
- 7 Washer

- 8 Hexagon nut M 12 DIN 934-5 S
- 9 Stud screw M 12 in crankcase
- 10 Lock washer
- 11 Hexagon nut M 8 DIN 934-5 S
- 12 Sleeve
- 13 Lock washer
- 14 Notched cylindrical
pin 8 × 14 DIN 1473

- 15 Generator bracket
- 16 Generator retainer
- 17 Ground lead
- 18 Hexagon screw
M 8 × 28 DIN 931-8 G
- 19 Generator support

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

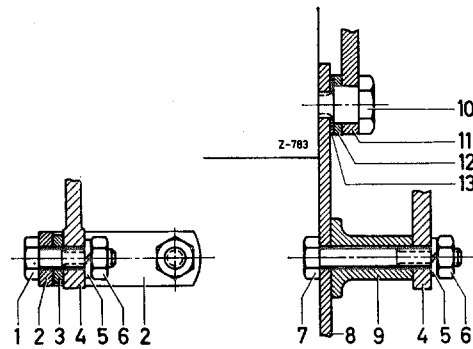


Fig. 15-11/3

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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 | |