

## Removal and Installation of Front Engine Brace

On Models 219, 220 S, 220 SE, and on some cars of Model 220 a new front engine brace has been installed in order to prevent engine judder. The engine is given an additional support at the front axle support by means of the jointing rod (6) which is carried in rubber bushings. This reduces vertical movements of the engine (Fig. 22-2/1).

### Removal:

1. Remove the hexagon screw (8) for fastening the engine to make it easier to push out the front axle support. If necessary, slightly lift the engine to make it easier to push out the screw.
2. Unscrew the two screws attaching the engine brace (1) to the crankcase and remove the engine brace.

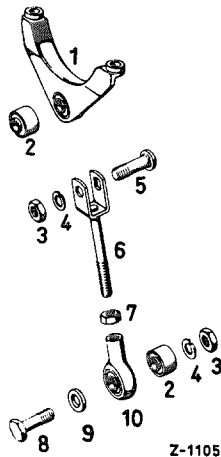


Fig. 22-2/1

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|----------------------|-----------------|
| 1 Front engine brace | 6 Jointing rod  |
| 2 Rubber bushing     | 7 Hexagon nut   |
| 3 Hexagon nut        | 8 Hexagon screw |
| 4 Lock washer        | 9 Washer        |
| 5 Shoulder screw     | 10 Rod head     |

engine brace (1) and in the rod head (10) are still serviceable. Worn bushings should be pressed out and replaced.

4. Before installing the jointing rod (6), attach it to the engine brace (1). This is necessary, because otherwise the shoulder screw (5) cannot be inserted.

**Note:** On the new version of the crankcase (without cylinder cover on the spark plug side) the left front screw for attaching the oil pan and the engine brace has been moved 35 mm toward the outside. As a result the engine brace (1) has been changed.

5. Screw the engine brace to the crankcase together with the jointing rod.
6. Screw the rod head (10) onto the jointing rod (6) until the bore of the rubber bushing (2) is aligned with the bore of the bracket on the front axle support.

**Note:** The jointing rod should be adjusted accurately since the engine must neither rest on the engine brace nor be pulled downward by the brace.

### Installation:

3. Before installing the engine brace, check whether the rubber bushings (2) in the en-
7. Fit the jointing rod (6) to the bracket of the front axle support by means of the hexagon screw (8).