



AUTOMOBIL- UND MOTOREN-WERKE  
BREMEN - GERMANY

## ZF - Steering

V/L  
172

To all

Authorized Borgward Dealers and Workshops

Messrs. ZF, Schwäbisch-Gmünd, Germany, demand for certain reasons the replacement of the flange coupling Ve 1142 (new number 7315.003.105), fitted to type "Isabella" (Spare parts list page 52, pos. 42, and page 56, pos. 42).

This replacement shall be effectuated for all vehicles of above mentioned type which are so far supplied. As this procedure will require a longer period of time, kindly give at first the vehicles with one finger steering from 540 001 up to appr. 725 509 the priority.

First the flange couplings of the "Gemmer" steering should be checked for tight seat and only replaced if necessary.

Kindly send your requirements to the "Kundendienst" (Customers Service) Dept. and quote chassis numbers. New flange couplings will be supplied free of charge ex Works.

The new flange coupling differs from the old type by a slot on the flange which passes through to the mounting hole and a clamping bolt M 8, formerly M 6.

Replacement can be made without removal of the top steering spindle if the following sequence of working operations is observed:

### Working operation

1. Jack up left side of vehicle.
2. Take off left front wheel.
3. Lift horn button and disconnect cable.
4. Slacken flange coupling.
5. Slacken and remove all 4 bolts which attach the steering casing to the cross veam.
6. Turn steering outward.
7. Remove flange coupling, check serration of the lower steering spindle. Subsequently fit new flange coupling.
8. Enlarge circumferential groove with rat tailed file. Adapt for 8 mm bolt.
9. Attention must be paid when fitting the flange couplings that the milled location marks on the steering spindle coincide.
10. Turn steering back, fit the four bolts and measure steering trapeze diagonally to control if the spoke position of the steering wheel is horizontally in straight-ahead position.
11. Assembly and attachment in reversed sequence.

Yours faithfully,

**CARL F. W. BORGWARD G. M. B. H.**

**KUNDENDIENST  
(CUSTOMERS SERVICE)  
DEPT.**

signed Grimberg

signed Wolff