

MERCEDES-BENZ 240D, 300 & 380 Series

DESCRIPTION

Steering column assembly includes an impact absorbing steering wheel, upper and lower column shafts and flexible coupling. Lower shaft on 123 Series models is corrugated for additional impact protection.

CHASSIS IDENTIFICATION CODES

Application	Chassis Type
380SL	107
240D, 300D, 300CD & 300TD	123
300SD, 380SEL & 380 SEC	126

REMOVAL & INSTALLATION

STEERING COLUMN

Removal

1) On 123 series, remove screws retaining upper and lower cover on instrument panel and remove covers. On all models, disconnect battery. Remove steering wheel.

2) Remove instrument cluster by pulling outward as far as possible and loosening tachometer, temperature, and oil pressure connections.

3) Remove steering lock. Disconnect wiring connectors. Remove Allen head screw of flexible coupling and all nuts and screws retaining casing and column to dashboard. Remove steering column housing.

Installation

1) On chassis types 107 and 123, always use new steering wheel Allen screws when installing steering wheel. Check that lower tube on chassis type 123 is not bent or distorted.

2) Use caution when installing jacket tube to prevent damage to shaft. To complete installation, reverse removal procedures.

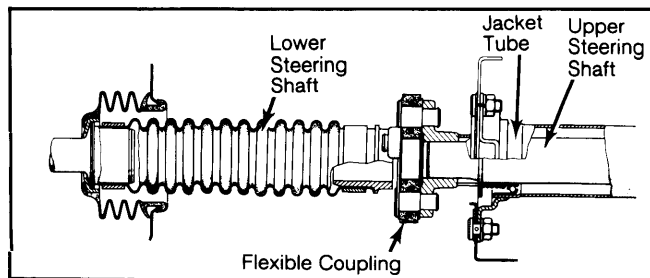
STEERING COLUMN SHAFT

Removal (123 Series Upper Shaft)

1) From engine compartment, remove Allen head screws retaining flexible coupling to worm shaft and steering shaft. Slide coupling down on worm shaft and off steering shaft.

2) From inside vehicle, remove upper and lower cover from instrument panel/steering column. Remove Allen screws at upper coupling and slide coupling and lower shaft off upper shaft.

Fig. 1: Lower Steering Shaft on 123 Models



When disassembled check shaft for bend or distortion.

Installation

To install, lubricate inner lips of bellows seal or firewall and reverse removal procedures.

NOTE: Wheels must be in straight-ahead position and notch on upper shaft must point directly upward during installation.

Removal (123 Series Lower Shaft)

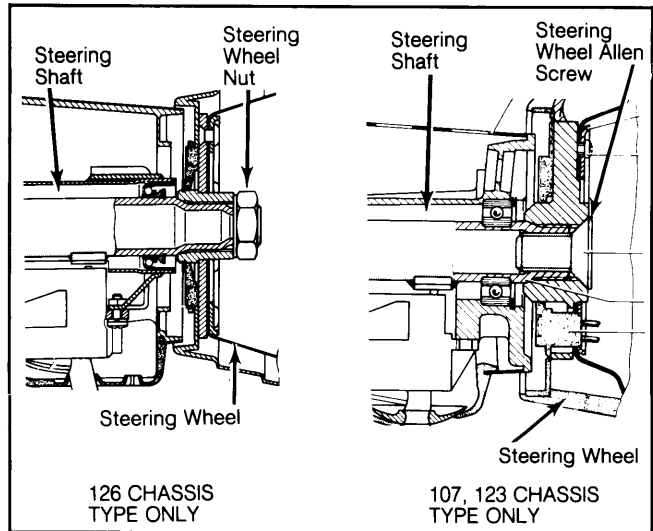
1) With column out of vehicle, remove combination switch. Remove jacket tube casing. Remove spacing ring from steering shaft.

2) Remove gripper ring, compression spring, supporting ring and ball bearing from steering shaft. Knock steering shaft upward out of jacket tube with soft mallet.

Installation

Inspect and replace bearings and races, if necessary. Reverse removal procedure and reinstall upper steering shaft.

Fig. 2: Sectional View of Mercedes-Benz Steering Column and Steering Shaft



Removal (107 & 126 Series)

1) Remove steering wheel and combination switch rubber cover. Loosen switch retaining screws on bearing body and pull switch out slightly.

2) Loosen screws retaining cable of contact carbon on combination switch. Remove Allen screw from upper end of steering coupling.

3) Remove screws from jacket tube and pull steering shaft with bearing body out of jacket tube.

Installation

1) Replace bearings and races as required and reverse removal procedures. Check shaft adjustment.

2) Check that pin inserted through hole in jacket casing is located in bore of steering shaft. Mark on end of shaft should be up when installing.

3) Steering shaft length should be 31.7" (805 mm). Tap gently with soft mallet to adjust length before installation.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Flexible Coupling (Allen)	18 (24)
Steering Wheel	
107, 123	59 (80)
126	37 (50)