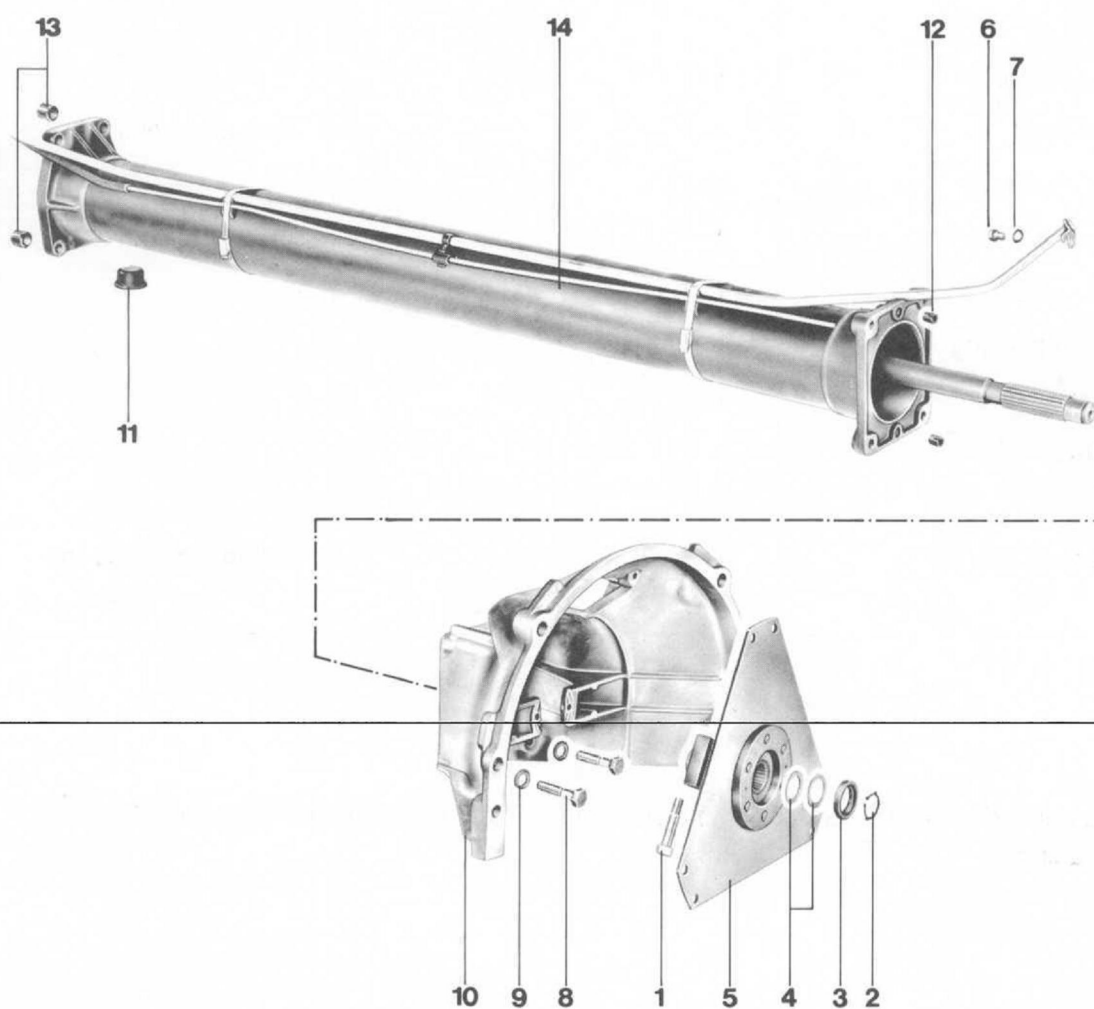


DISASSEMBLING AND ASSEMBLING CENTRAL TUBE



No.	Designation	Qty.	Note when:	
			Removing	Replacing
1	Pan-head screw	1		Tighten only after driver plate (5) has been fitted to flywheel. Tightening torque: 80 Nm
2	Circlip*	1		
3	Sleeve*	1		
4	Shim*	X		
5	Driver plate	1		
6	Pan-head	1		Torque: 20 Nm
7	Spring washer	1		
8	Hex bolt	4		Torque: 45 Nm
9	Spring washer	4		
10	Clutch housing	1		
11	Cover	1		
12	Sleeve	2		
13	Sleeve	2		
14	Central pipe	1		prüfen ggf. erneuern

* Parts are deleted as of MY '85. Adjustment of the driver plate (including pre-1985 models) is no longer required.

Checking Central Tube

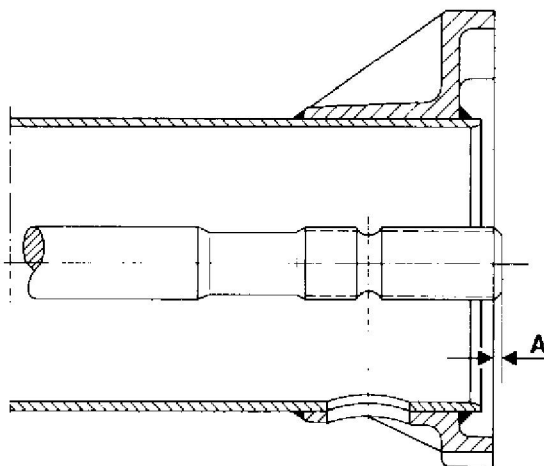
Note:

Replace entire central tube with shaft and bearings, if bearings and/or shaft are damaged.

There are no replacement parts available.

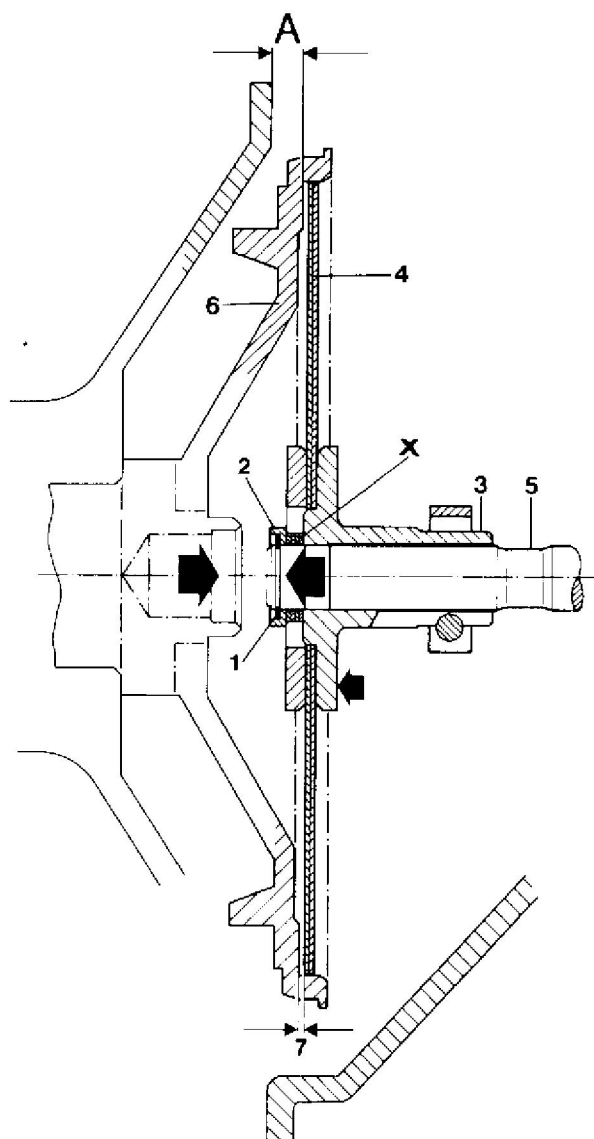
3. Small corrections can be made by tapping face of central shaft with plastic hammer.

1. Check easy movement of central shaft bearings by turning shaft by hand. Shaft must turn easily and without restriction at any point.
2. Position of central shaft and rear flange shaft is important to guarantee proper function.
Distance between central shaft and rear flange must be $A = 2 \pm 0.5$ mm.



Adjusting Drive Plate

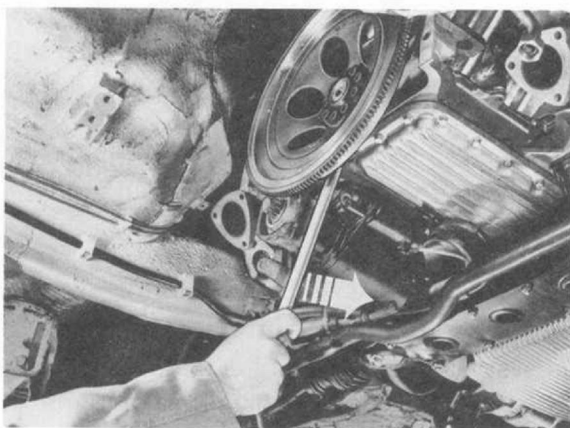
To avoid axial pressure on crankshaft and crankshaft thrust bearings, the connections between flywheel and drive plate (distance X) must be checked and adjusted after replacement of engine, flywheel or central tube. This adjustment is not necessary after replacement of transmission or transmission parts.



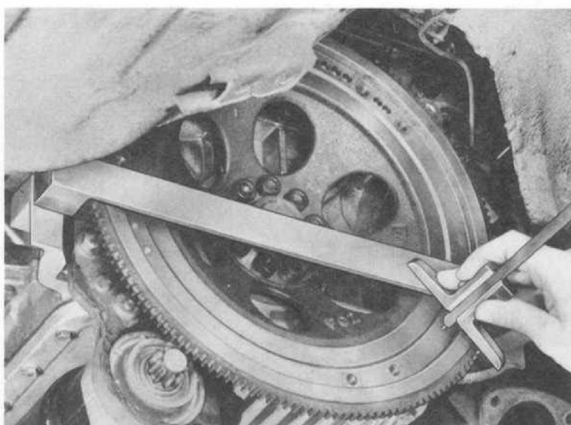
- 1 – Circlip
- 2 – Bushing
- 3 – Holding flange
- 4 – Drive plate
- 5 – Central shaft
- 6 – Engine flywheel
- 7 – Preload $0.3 + 0.2$ mm
- A – Distance A, engine flange/flywheel mating surface
- X – Shim thickness (must be determined again)

Determining Distance "X"

1. Crankshaft must contact thrust bearing toward the rear. Use a lever to press flywheel in direction of transmission, until axial play of crankshaft is eliminated.



2. Determine distance "A", by using 9211 and measuring distance from engine flange to flywheel mating surface.



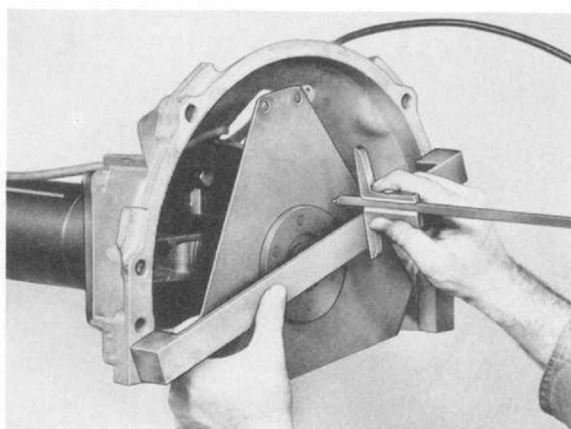
Note:

Mark thickness of gauge when measuring.

Example:

Measured value	52.5 mm
Gauge thickness	<u>— 40.0 mm</u>
Distance "A"	12.5 mm

3. Mount transmission on central tube to specified torque. Screw in clamping sleeve mounting bolt by hand (do not tighten).
4. Push drive flange with bushing, but without shims, on to central shaft and install circlip.
5. Use a suitable lever and push central shaft on drive flange far enough forward, that central shaft rests on rear clamping screw in shaft groove.
6. Tighten rear mounting bolt for clamping sleeve to 75 . . . 85 Nm/54 . . . 61 ftlb.
7. Push drive flange forward against stop on circlip and tighten bolt.
8. Determine distance "B". Use 9211 and measure distance from clutch housing to drive plate bearing surface (as far in as possible).



Note:

Mark thickness of gauge used for measuring.

Example:

Measured value	45.4 mm
Gauge thickness	<u>- 40.0 mm</u>
Distance B	5.4 mm

Determine distance "X"

$$X = A - B + 0.3 \text{ mm preload}$$

A =	12.5 mm
B =	<u>- 5.4 mm</u>
	7.1 mm
Preload	<u>+ 0.3 mm</u>
X =	7.4 mm

Install shim having thickness X
(in example 7.4 mm).

Shims are available in thicknesses of 0.2 mm,
0.5 mm and 1.0 mm.

Tighten mounting bolt for front drive flange
only after central tube has been installed.