Necked down so	crews	for manual transmission	for automatic transmission			
		1034 - 5219/1	1034 - 5218/1	D d	d d	
			1st version	2nd version	3rd version	
Part no.		615 032 05 7	108 990 03 19	110 990 03 19	9 110 990 04 19	
Thread dia D		M 10 x 1	M 10 x 1	M 10 x 1	M 10 × 1	
Necked down dia d	when new	8.5-0.2	7.7-0.2	7.7-0.2	7.7-0.2	
	minimum dia	8.1	7.3	7.3	7.3	
Length L		20	31	31	31	
Fightening torqu	es				_	
			Initial to	rque	40 Nm	
Necked down screw for driven plate and flywheel			Torque a	ngle	90-100°	
Special tool						
Detent				116 589 01 40 00		

## Note

Do not mix up flywheel for automatic transmission of 110 engine with flywheel for automatic transmission of 4-cylinder engines 115 and 615.

Engine 110 dimension a = 4.5 mm

Engine 115 and 615 dimension a = 6.5 mm

On exchange engines, the mounting bore in flywheel of 35 mm dia can be bored to 50.00-50.016 mm dia (50 H6) for transmission with hydraulic clutch (722.200/202).

Layout of flywheel and driven plate for automatic transmission

Crankshaft

4.5 mm

Flywheel

10 mm

Ring gear

50 mm dia (transmission

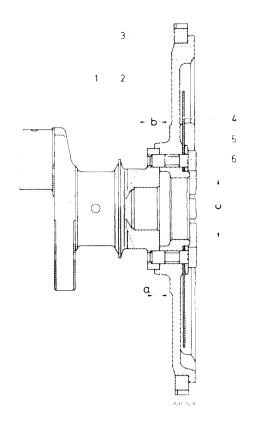
2 3 4 5 Driven plate

Disc

Necked down screw

with hydraulic clutch 722.200/202), transmission type K4C025 35 mm dia. (transmission with torque converter 722.1), transmission

type W4B025



## Layout flywheel for manual transmission

Crankshaft

Closing ring

Flywheel

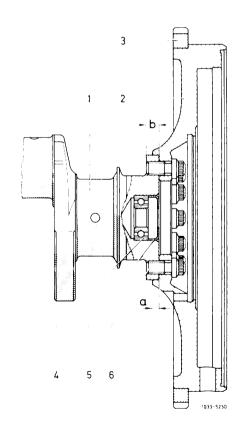
6 Necked down screw

Ring gear

5 mm

Ball bearing

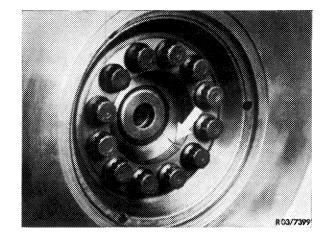
10 mm



## Removal

1 Loosen necked down screws, remove flywheel, driven plate and spacing washer.

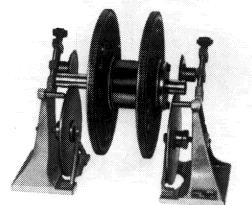
**Note**: The flywheels and the crankshaft are marked together (arrow).



Flywheel manual transmission

## Installation

**Note:** If a new flywheel is installed, unbalance should be the same as for old flywheel (03–440).



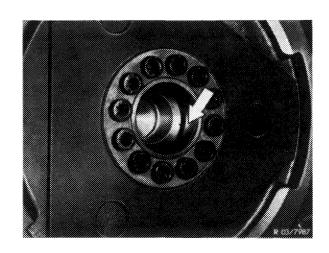
103-10648

2 Measure necked down dia d of necked down screws.

When the minimum dia is attained, replace necked down screws.

Necked down screws 1st and 2nd version for automatic transmission can be replaced by 3rd version.

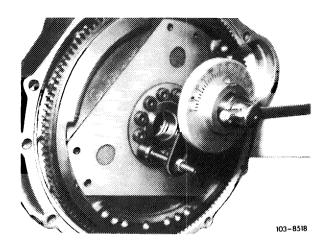
3 Position flywheel on crankshaft journal in such a manner that the markings (arrow) are in alignment.

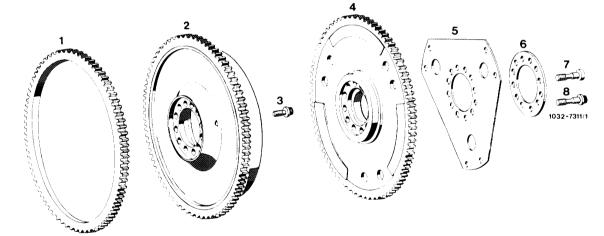


Flywheel automatic transmission

4 Screw-in necked down screws and pre-tighten to 30-40 Nm with torque wrench.

5 Complete angle of rotation torque 90-1000 by means of angle of rotation wrench.





- Starter ring gear
  Flywheel with starter ring gear for manual transmission
  12 necked down screws
  Flywheel with starter ring gear for automatic
- transmission

- Driven plate Spacing ring 12 necked down screws 1st version 12 necked down screws 2nd and 3rd version 5 6 7 8