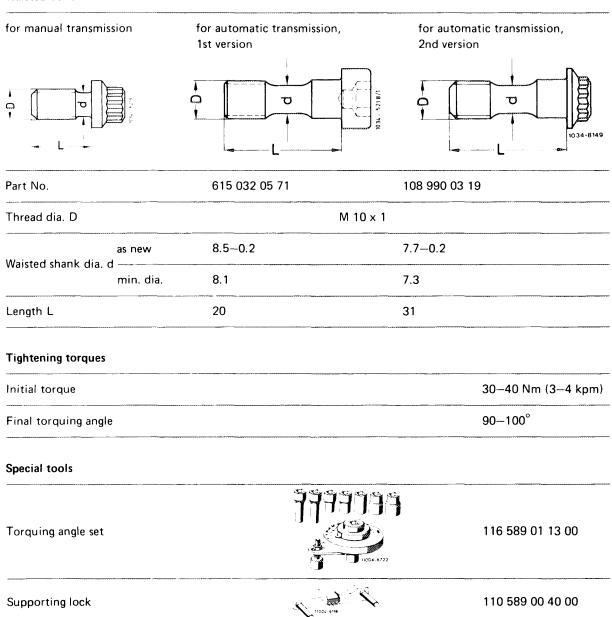
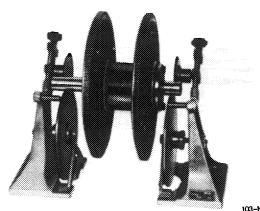
#### **Waisted bolts**



### Note

Any new flywheel that is fitted will have to be adjusted to the balance of the old one (03-440).



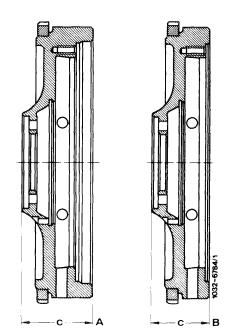
The flywheel for manual transmissions with engine 617 is heavier than that for engines 615 and 616.

The flywheels can be identified by different widths (dimension "c").

A Flywheel for engine 617 c = 90.0 mm B Flywheel for engines 615, 616 c = 74.0 mm

Be sure not to use wrong flywheel with wrong engine.

The flywheel for automatic transmissions is the same for all engines.

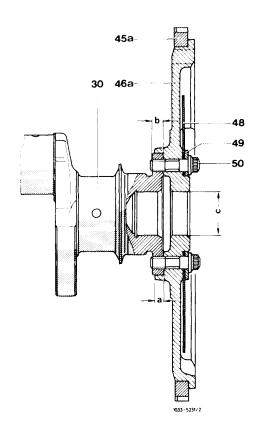


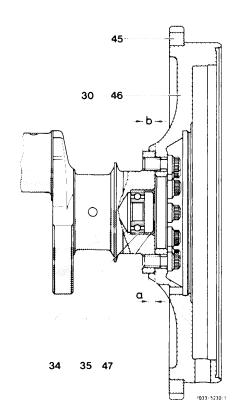
This flywheel must not be crossed with the flywheel for engine 110.

Engines 615, 616, 617: dimension a = 7.0 mm Engine 110: dimension a = 4.5 mm

Layout of flywheel and driven plate for automatic transmission:

30	Crankshaft	а	7 mm
45a	Ring gear	b	10 mm
46a	Flywheel	С	50 mm dia.
48	Driven plate		(transmission K 4 C 025)
49	Shim	С	35 mm dia.
50	Waisted bolt		(transmission W 4 B 025)





## Flywheel layout for manual transmission

46 Flywheel 47 Waisted b

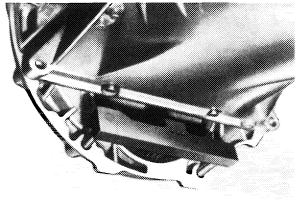
Waisted bolt

Crankshaft Ball bearing Locking ring Ring gear

6.5 mm 10 mm

### Removal

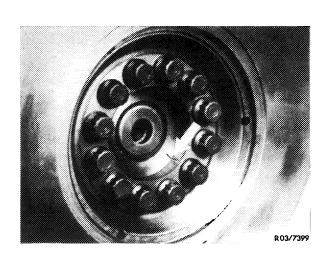
- 1 Remove transmission.
- 2 Position supporting lock on flywheel.



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3 Release waisted bolts, removing flywheel, driven plate and shim.

Note: Position of flywheel to crankshaft is indicated by a mark (arrow).



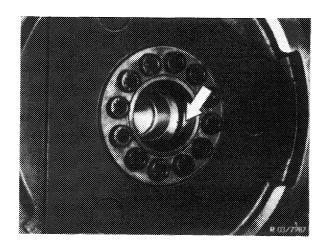
Flywheel, manual transmission

#### Installation

4 Measure shank diameter of waisted bolts.

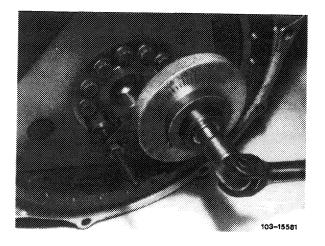
Use new waisted bolts when min. dia. is reached.

- 5 Position flywheel, driven plate and shim on crank-shaft journal so that marks agree.
- 6 Insert waisted bolts and torque to 30–40 Nm (3–4 kpm).



Flywheel, automatic transmission

7 Using torquing angle set, apply final torquing angle of  $90-100^{\circ}$ .



# Flywheel and driven plate

