

BMW, E90, 318d sa motorom **N47** D20C i
Oe br. je 21 20 7 628 091

Sastavni dijelovi kita su:

624 3530 00 :

124 0589 90

323 0787 90

414 0169 90

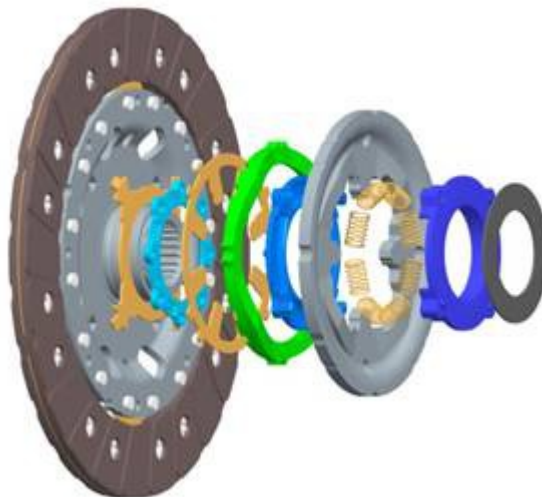
500 1177 90

Što znači da je ugradnja moguća bez obzira na manji promjer lamele spojke sa obveznom upotrebom SAC specijalnog alata za centriranje lamele odnosno pomoću centrirajuće čahure za BMW i vijka za izvlačenje čahure.

Najvjerojatnije ćete u svakoj kutiji naći ove brojeve dijelova sa 90 na kraju ili sa 10 na kraju, što daju različite promjere potisne ploče i lamele, tj. 230 mm i 240 mm.

Objašnjenje čekam i čim ga dobijem ću ga prevesti da možemo objasniti kupcu(kupcima) razliku u promjeru.

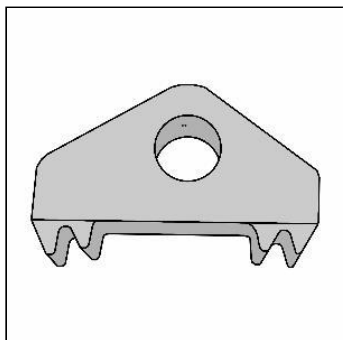
Izgled ove posebne lamele je prikazan dolje.



Uputstvo iz radioničkog priručnika – rexperta je prikazano u priloženom dokumentu.

Nakon zatezanja momentom propisanim od proizvođača, treba odstraniti kračunajući komad sa inbus ključem najvj. br. 14

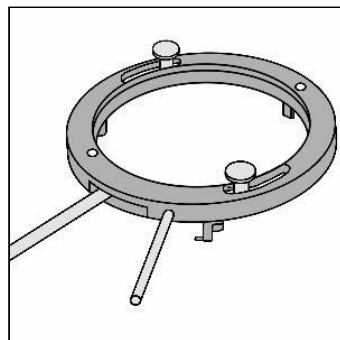
Required special tools



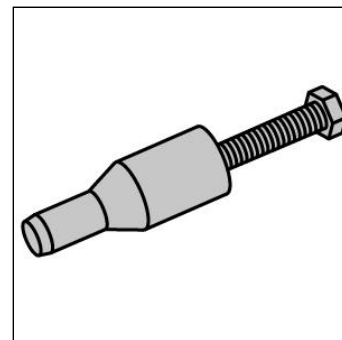
Blocking tool
OE (11 9 260)



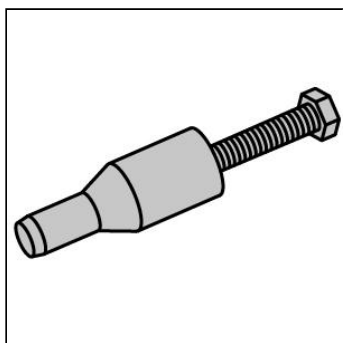
Special tool
OE (21 2 170)



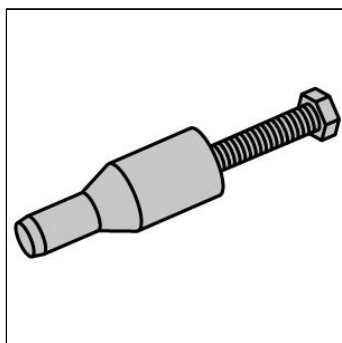
Fixing ring
AUT (21 2 180)



Centring mandrel
AUT (21 2 230)
Gearbox GS6-45DZ/BZ



Centring mandrel
AUT (21 2 250)
Gearbox GS6-17BG



Centring mandrel
AUT (21 2 270)
Gearbox GS6-37DZ

Required Labour times/torques

scheduled times

Replace clutch	3,35 h
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Tightening torques

Self-locking screws and nuts must always be replaced.

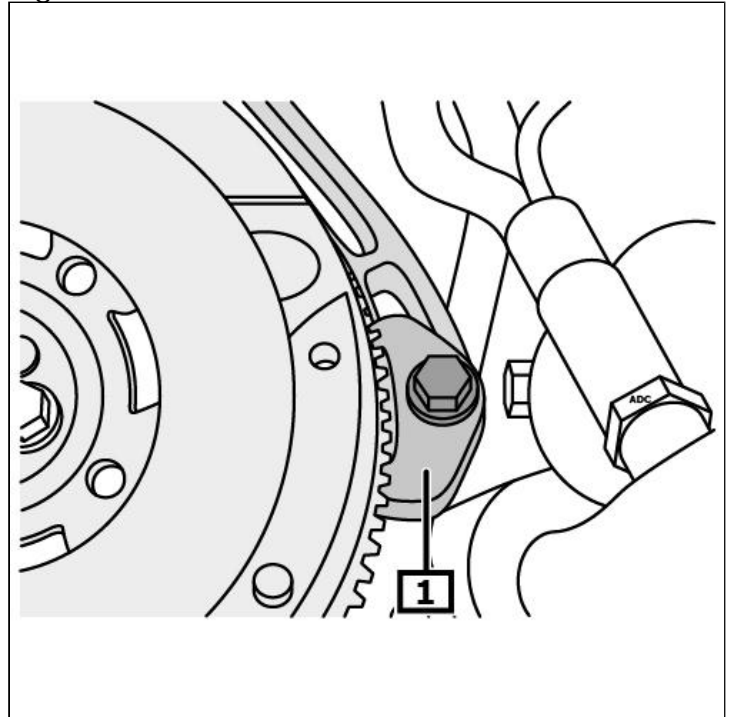
Pressure plate bolt(s) (3)	(see Figure2)	Use new screw(s).	01 stage 15 Nm ; 02 stage 85 - 95°
Flywheel screw(s) (5)	(see Figure2)	Use new screw(s).	120 Nm

Remove:

Remove gearbox.

Secure flywheel with blocking tool.
Blocking tool (1) OE (11 9 260)
(see Figure1)

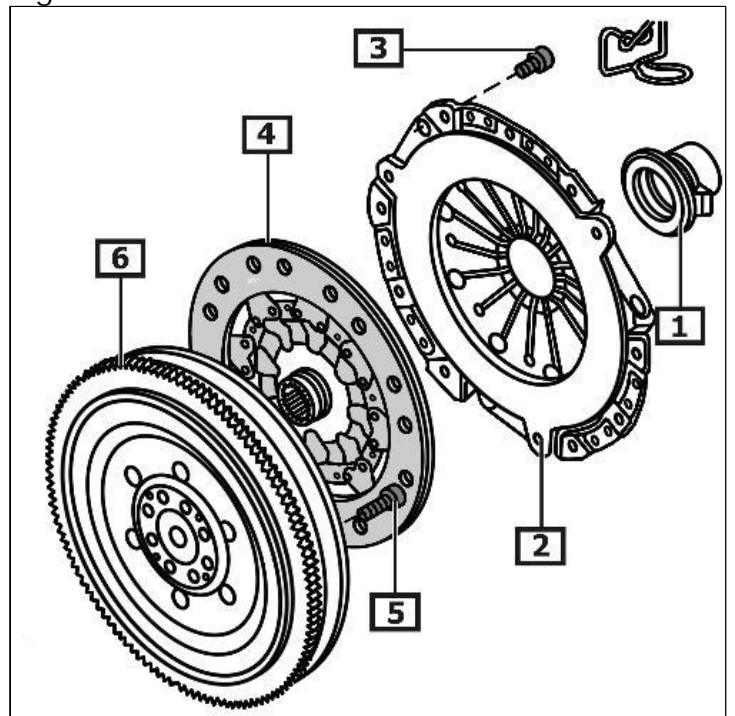
Figure 1



1 Blocking tool

Unscrew pressure plate bolts gradually crosswise. (3)
Remove clutch pressure plate and clutch drive plate.
(2) (4)
(see Figure2)

Figure 2



1 Release bearing

2 Pressure plate

3 Pressure plate bolt(s)

4 Clutch drive plate

5 Flywheel screw(s)

6 Flywheel

Install:

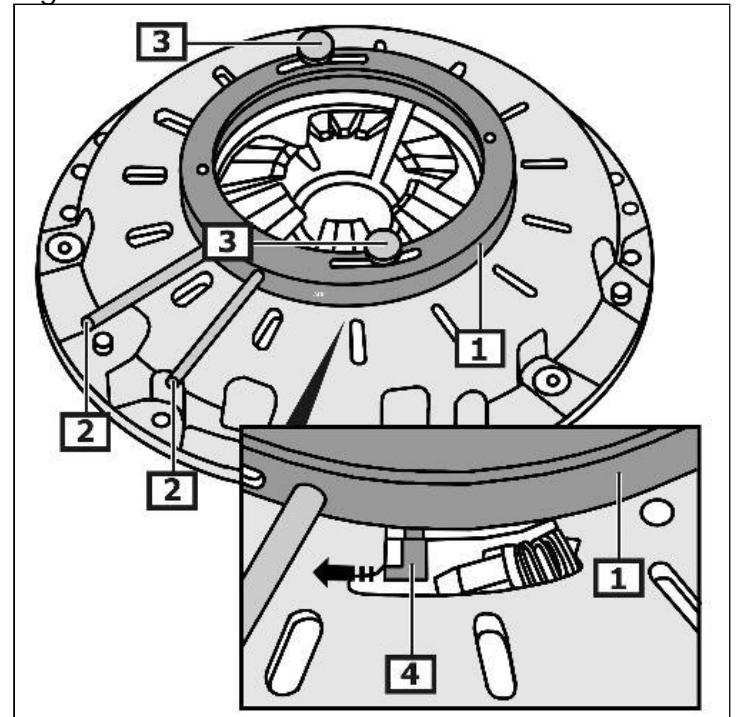
Proceed as follows if only the clutch drive plate is being replaced:

Clean flywheel and check for damage.
Check pilot bearing on flywheel for wear and grease it.

Damaged components must be replaced.

Insert fixing ring. (1) AUT (21 2 180)
Compress fixing ring by the handles up to the stop. (2)
Tighten bolt(s) until hand-tight. (3)
The locks must engage in the recesses for the pressure springs. (4)
(see Figure3)

Figure 3

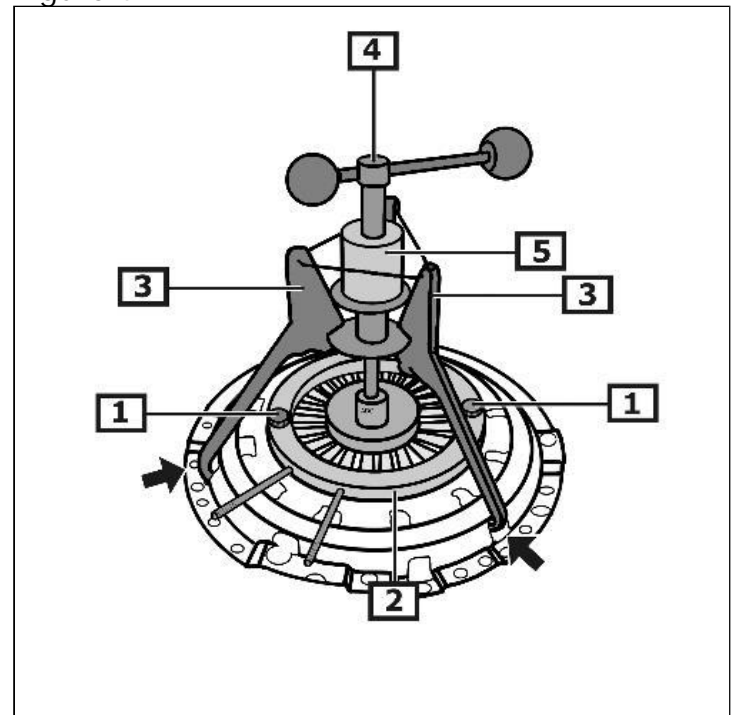


- | | |
|---------------|-----------|
| 1 Fixing ring | 2 Handles |
| 3 Screw(s) | 4 Lock |

Insert the special tool(s) into the holes of the dowel pins. (Arrows)
Special tool (3) OE (21 2 170)

Tighten clamping screw(s). (5)
Turn in the spindle until the membrane spring is tensioned to the stop. (4)
(see Figure4)

Figure 4



- | | |
|-----------------------|----------------|
| 1 Screw(s) | 2 Special tool |
| 3 Special tool | 4 Spindle |
| 5 Tensioning screw(s) | |

Observe clutch disc fitting position.
 Clutch drive plate : The lettering "gearbox side" points to the gearbox!

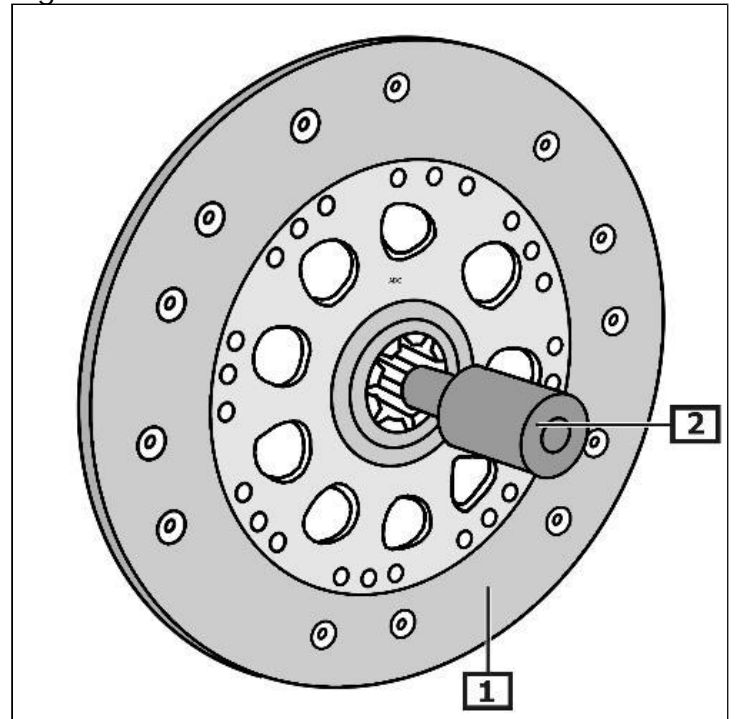
Always grease hub profiles of the clutch disk, to allow them to be easily shifted on the input shaft, and wipe off excess grease. Use molybdenum grease.

Fit the clutch drive plate with centering mandrel. (1)
 (2)
 depending on equipment :

- Centring mandrel (2) AUT (21 2 270)
- Centring mandrel (2) AUT (21 2 250)
- Centring mandrel (2) AUT (21 2 230)

(see Figure5)

Figure 5



1 Clutch drive plate

2 Centring mandrel

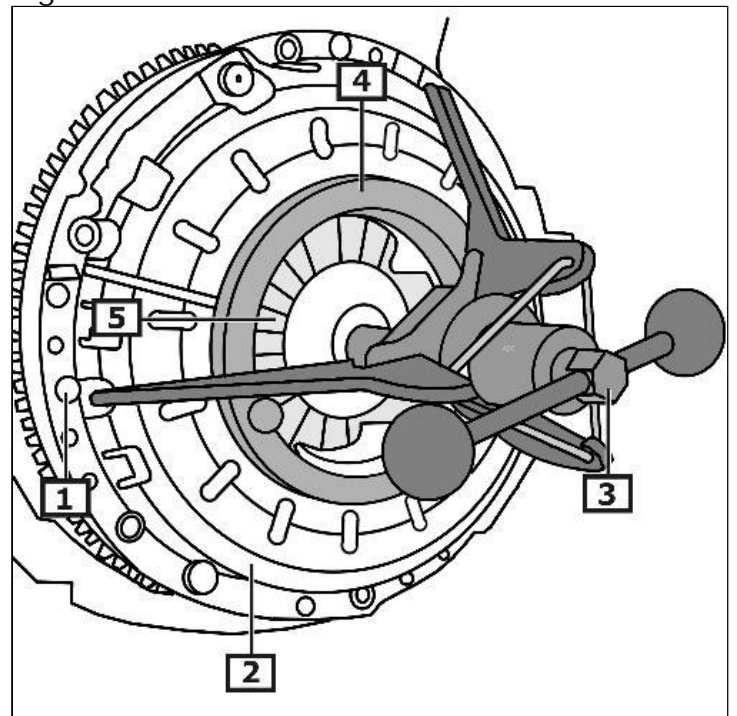
Bring clutch pressure plate into position.
 Note the position of the dowel pins. (1)
 (see Figure6)

Tighten pressure plate bolt(s) gradually crosswise. (3)
 (see Figure2)

Remove the spindle completely. (3)

Remove special tool.
 Special tool OE (21 2 170)
 Special tool OE (21 2 180)
 (see Figure6)

Figure 6



1 Dowel pin(s)

2 Clutch pressure plate

3 Spindle

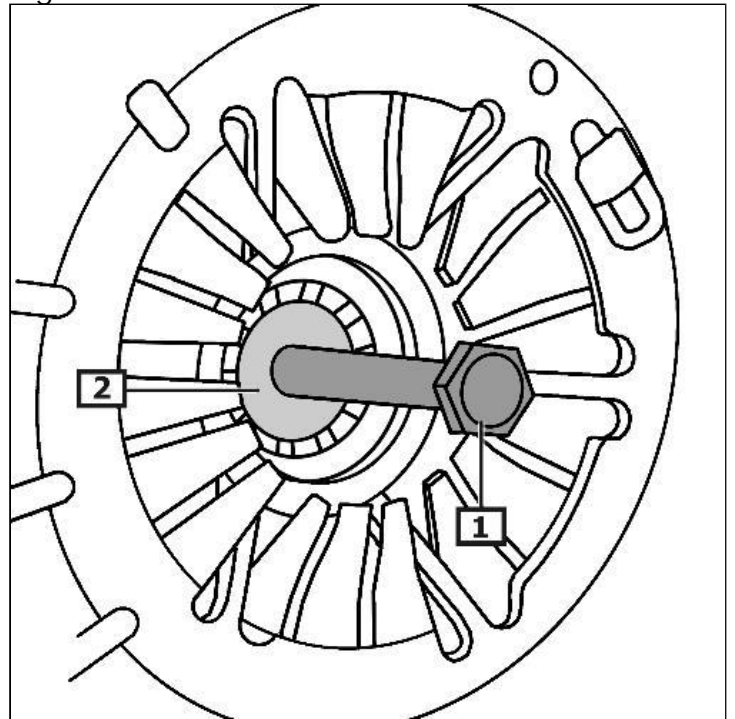
4 Special tool

5 Rib(s)

Pull out centring mandrel from clutch disk using the screw provided. (1)(2)
(see Figure7)

[Install gearbox.](#)

Figure 7



1 Screw(s)

2 Centring mandrel

Installing new SAC clutch:

Clean flywheel and check for damage.
Check pilot bearing on flywheel for wear and grease it.

Damaged components must be replaced.

Observe clutch disc fitting position.
Clutch drive plate : The lettering "gearbox side" points to the gearbox!

Always grease hub profiles of the clutch disk, to allow them to be easily shifted on the input shaft, and wipe off excess grease. Use molybdenum grease.

Fit the clutch drive plate with centering mandrel. (1)

(2)

depending on equipment :

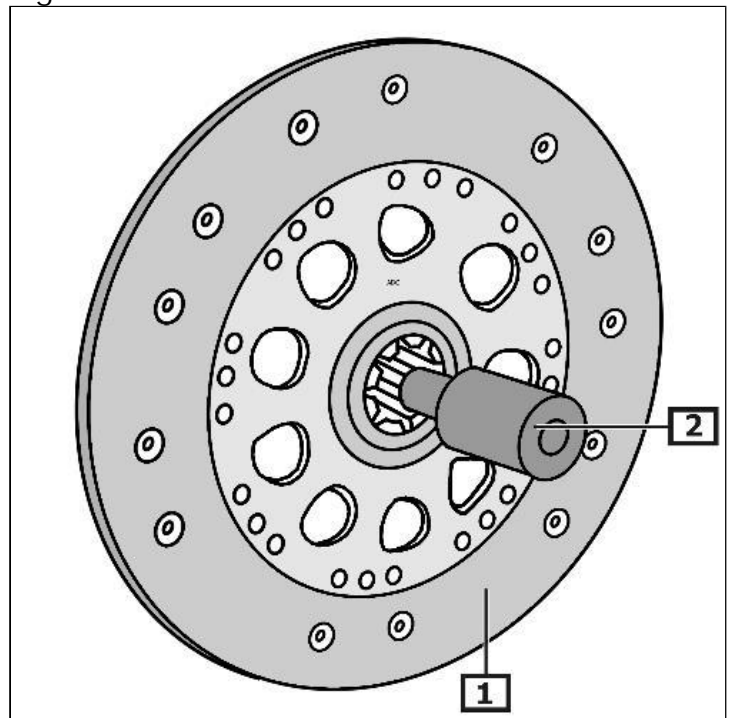
Centring mandrel (2) AUT (21 2 270)

Centring mandrel (2) AUT (21 2 250)

Centring mandrel (2) AUT (21 2 230)

(see Figure8)

Figure 8



1 Clutch drive plate

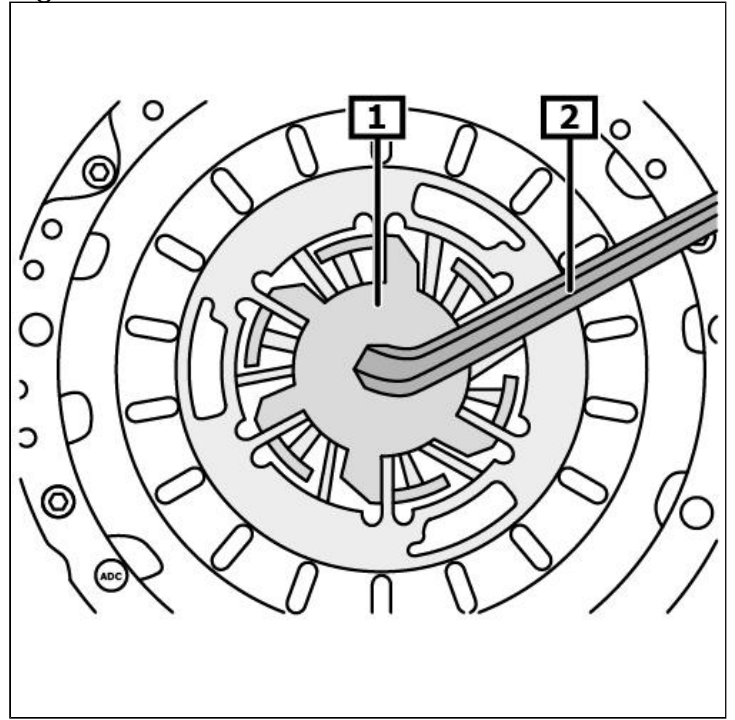
2 Centring mandrel

Screw in pressure plate bolt(s) evenly by hand.
Tighten pressure plate bolt(s) gradually crosswise. (3)
(see Figure4)

Arresting piece may only be removed with the
SAC - clutch pressure plate firmly tightened.

Carefully unscrew arresting piece using an Allen key.
(1) (2)
(see Figure9)

Figure 9



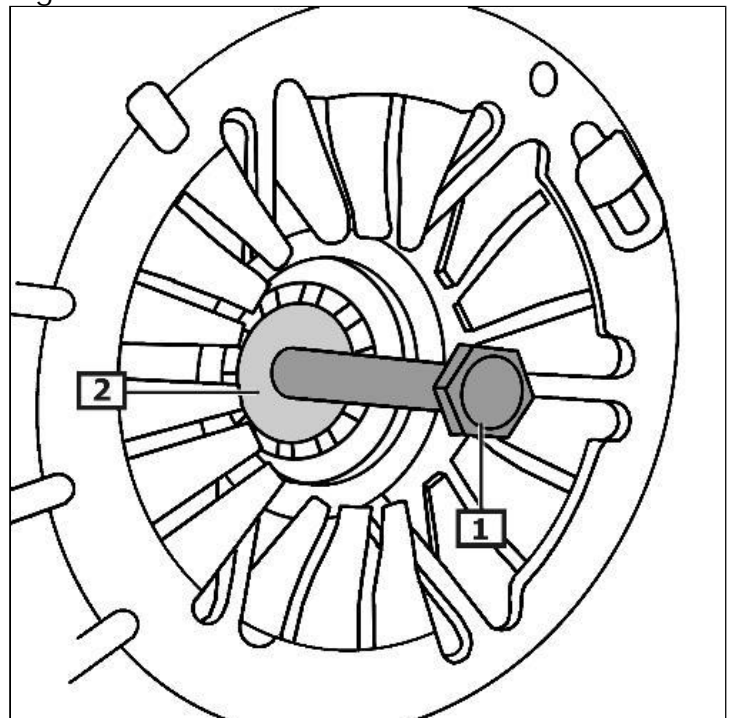
1 Arresting piece

2 Allen key SW 14

Pull out centring mandrel from clutch disk using the
screw provided. (1)(2)
(see Figure10)

[Install gearbox.](#)

Figure 10



1 Screw(s)

2 Centring mandrel