



**Sac Clutches Centering Kit Equipped With 4 And 3 Shanks
Clamps**

User's Manual

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SPRZĘGŁA TYPU SAC

Complete CLUTCHES CENTERING KIT

Audi

Models	A3 – A4 – A6 – A8
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Alfa

Models	147 – 159 – 166
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BMW

Models	320 – 330 – 520 – 530
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Fiat

Models	Ulisse - Croma - Ducato
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Ford

Models	Mondeo – Smax – Galaxi - Transit
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Lancia

Models	Phedra - Thesis
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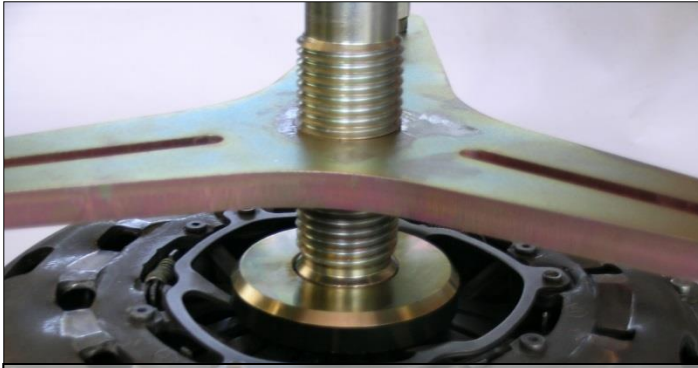
Mercedes

Models	C – E –CLS –S –CLK - SLK - SL
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VW

Models	Passat – Golf – Sharam - Tiguan
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Application



SAC clutches can be recognized from the 2 or 3 yellow clip placed on the mechanism.

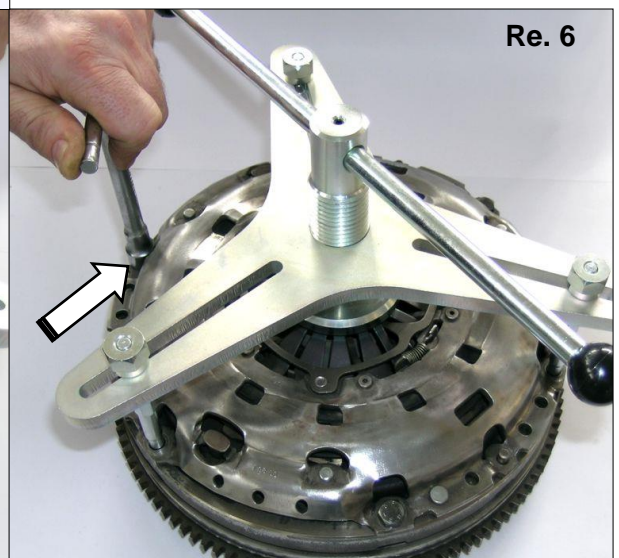
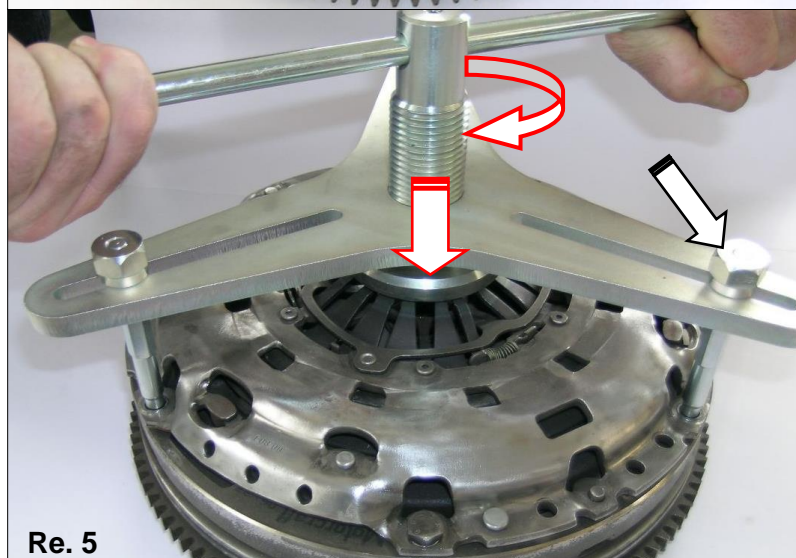
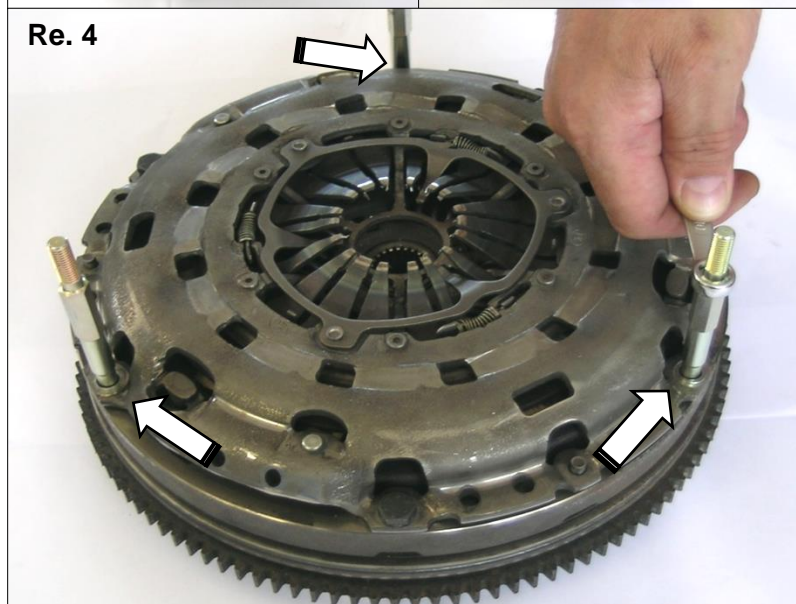
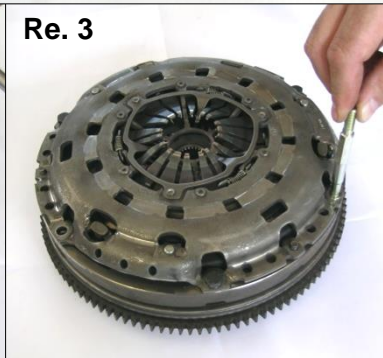
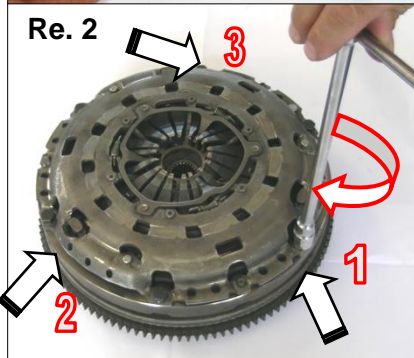
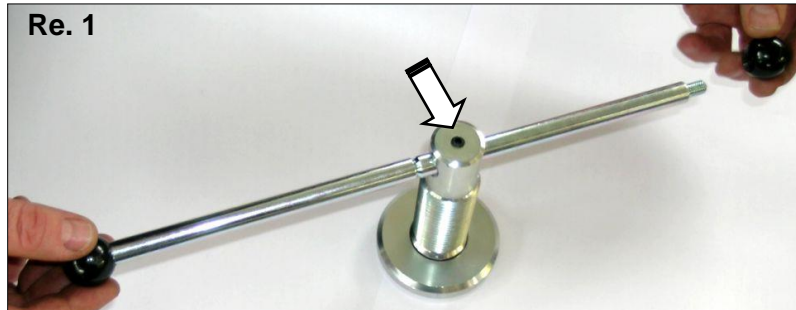


Nowadays more and more cars mount SAC clutches (Self Adjusting Clutch). These clutches are defined self-adjusting, because due to a self-adjusting device, they balance the clearance caused to the wearout of the disk clutches and the pedals do not become hard. This grants a long life and an increasingly comfort.

During clutches' mounting operation, it is necessary to give special attention. A wrong installation can cause clutch bell deformations or a loss of regulation.

Consequently warranty replacements become difficult to recognise because damages can occur due to a bad mounting.

To avoid this situation and to grant a right assembling and disassembling of these SAC clutches, it is necessary to use a special tool.

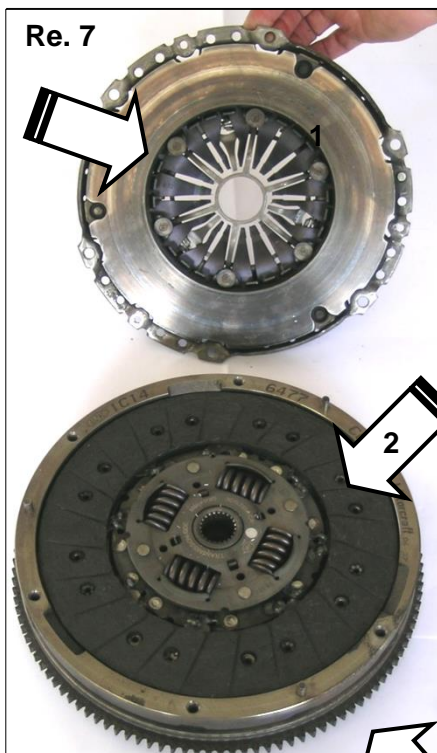


Dismounting:

The usage of this special clutch tool is basic also to dismount SAC clutches. In fact if we try to dismount a SAC clutch, the clutch will unadjust, causing problems during mounting operations, have a shorter life and cause a lot of vibrations.

Follow these instructions:

- Mount the handle into the main threaded shaft, locking the (Re. 1);
- Unscrew the 3 screws at 120° (or 4 screws at 90°, Re. 2);
- Mount the suitable screws M6 or M7 or M8 (legs) supplied in this set (Re. 3 and 4);
- Install the special clamp tool (3 or 4 shanks) and lock it with the M8 locking knobs.
- Rotate the special tool's handle to compress the cup spring totally (Re. 5);
- Unscrew now the remaining flywheel locking screws (Re. 6);
- Remove the M8 locking knobs from the special tool, then the special tool and the three legs.
- zamachowe (Rys. 6);
- Usunąć z narzędzia specjalnego wkręty blokujące M8, a następnie narzędzie specjalne i tryz nóżki.

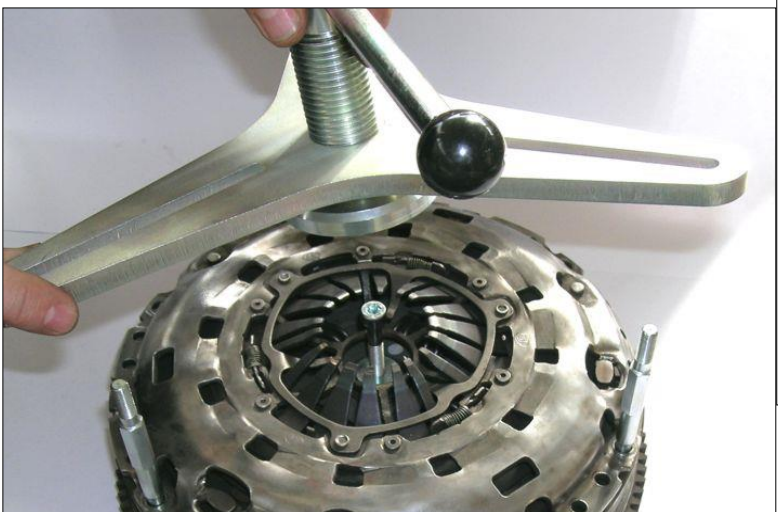
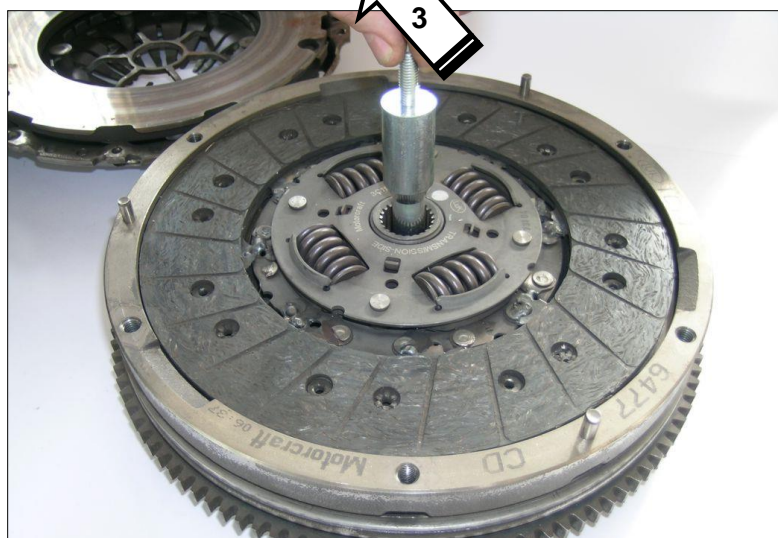


COMPONENTS

1 Pressure plate

2 Plate

3 Flywheel



- Now the pressure plate is raised and the clutch bell touches the flywheel, becoming easy to unscrew and remove the clutch (Re. 7);

Mounting:

- Put the plate and the clutch mechanism on the flywheel;
- Centre the disk clutch using one of the suitable pin supplied (Re. 8);
- Insert the three legs with the right threading but do not tighten, otherwise you can damage the SAC system;
- Install the special clamp tool and lock it with the M8 locking knobs;

Please note that the bell is not connected to the flywheel.

- Rotate the special tool's handle to compress the cup spring totally;

Now the bell is close to the flywheel.

- Place and tighten the clutch's locking screws to the flywheel;
- Release the pressure of the tool, and remove all parts.
- Mount now the remaining three screws and finish the operation.



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