



## Sac Clutches Centering Kit With A 3 Shanks Clamp

*User's manual*

007935063420



Magneti Marelli Aftermarket Spółka z.o.o.

Plac Pod Lipami 5, 40-476 Katowice

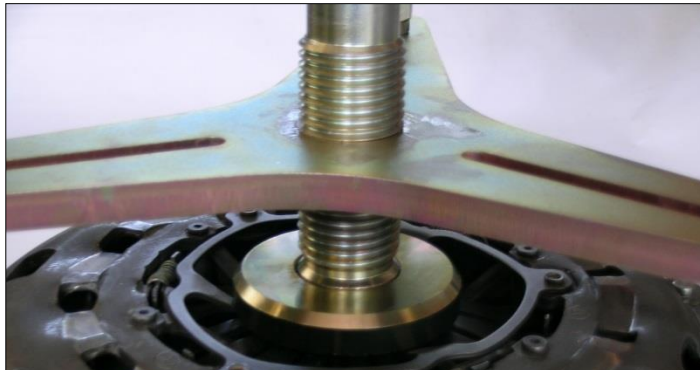
Tel.: + 48 (032) 6036107, Faks: + 48 (032) 603-61-08

e-mail: [checkstar@magnetimarelli.com](mailto:checkstar@magnetimarelli.com)

[www.magnetimarelli-checkstar.pl](http://www.magnetimarelli-checkstar.pl)



## SAC CLUTCHES



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



# Complete CLUTCHES CENTERING KIT

### Audi

Models	A3 – A4 – A6 – A8
--------	-------------------

### Alfa

Models	147 – 159 – 166
--------	-----------------

### BMW

Models	320 – 330 – 520 – 530
--------	-----------------------

### Fiat

Models	Ulisse - Croma - Ducato
--------	-------------------------

### Ford

Models	Mondeo – Smax – Galaxi - Transit
--------	----------------------------------

### Lancia

Models	Phedra - Thesis
--------	-----------------

### Mercedes

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

### VW

Models	Passat – Golf – Sharam - Tiguan
--------	---------------------------------

## Application

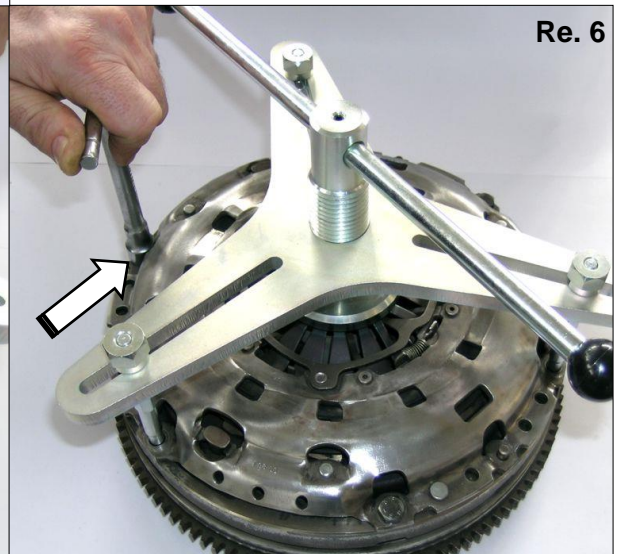
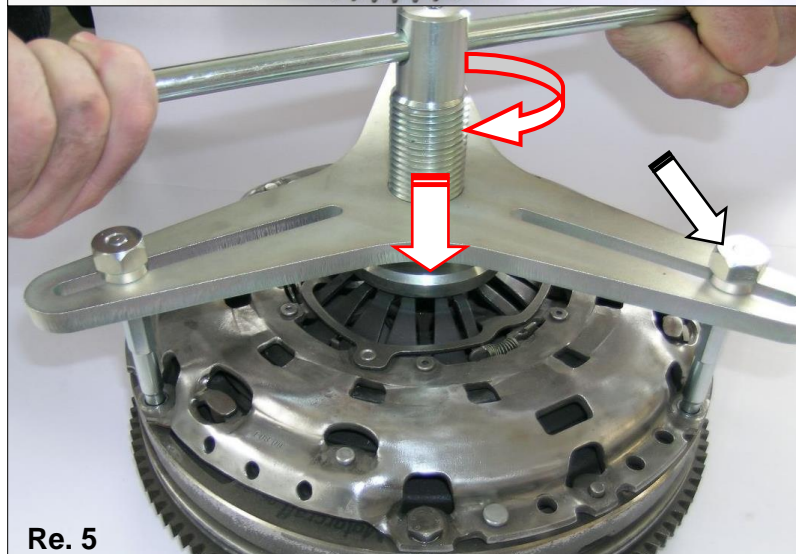
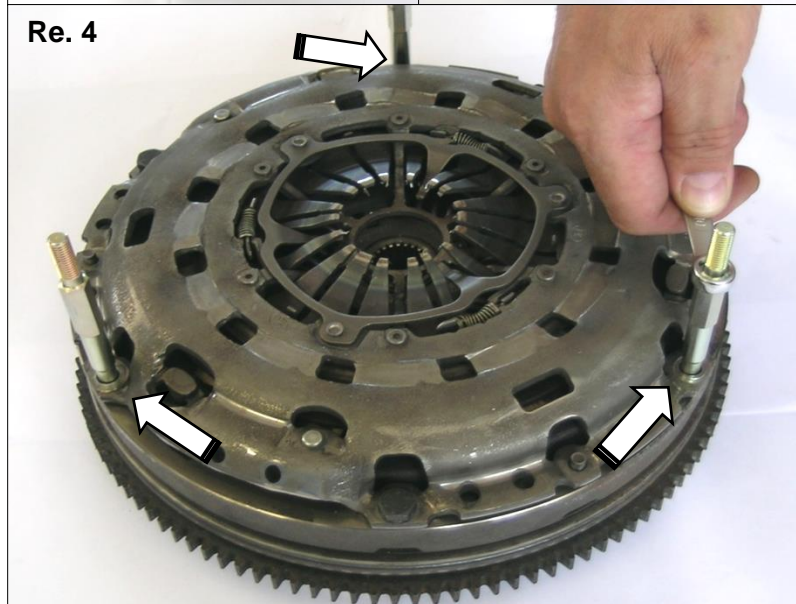
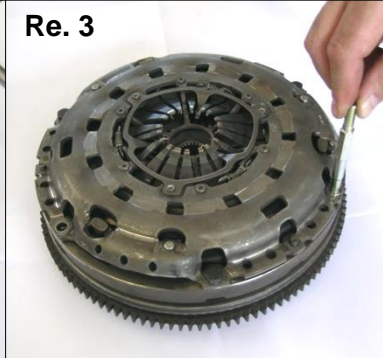
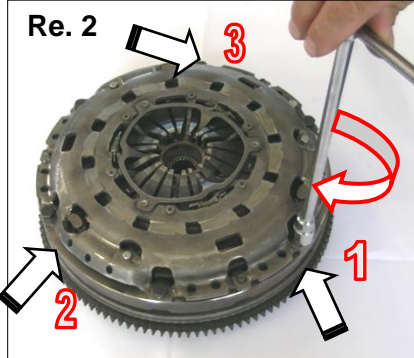
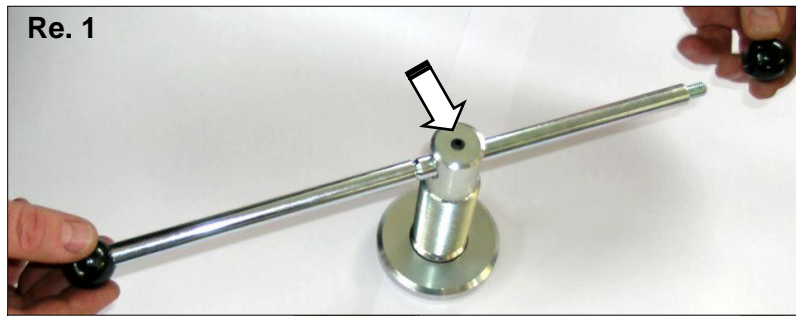
Nowadays more and more cars mount SAC clutches (Self Adjusting Clutch). These clutches are defined self-adjusting, because due to a self-adjusting device, they balance the clearance caused to the wearout of the disk clutches and the pedals do not become hard. This grants a long life and an increasingly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





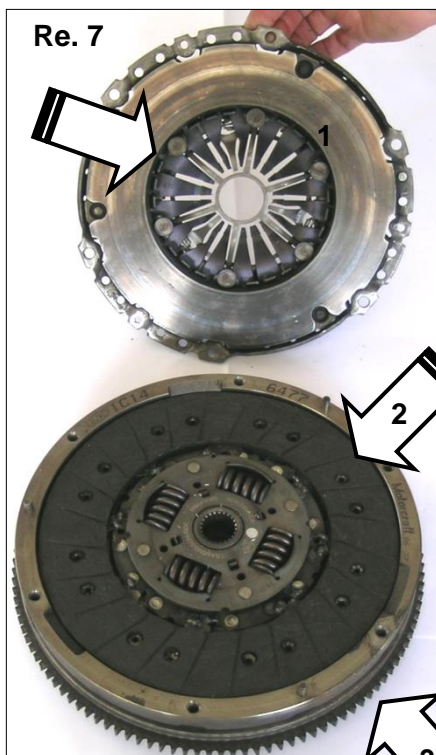
## Dismounting:

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. 1);
- 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.





### 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.



Magneti Marelli Aftermarket Spółka z.o.o.

Plac Pod Lipami 5, 40-476 Katowice

Tel.: + 48 (032) 6036107, Faks: + 48 (032) 603-61-08

e-mail: [checkstar@magnetimarelli.com](mailto:checkstar@magnetimarelli.com)

[www.magnetimarelli-checkstar.pl](http://www.magnetimarelli-checkstar.pl)