

## REP-REP-RAE7031-3112043 Removing and installing/replacing complete front left or right spring strut holder

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VIN:	XXXXXXX	Vehicle:	X'E70/OFF-ROAD VEHICLE/X5 4.8i/N62/AUTO/USA/LL/2007/08
System Version:	3.47.10.13054	Data Version:	R3.47.10.13054

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31 12 043

Removing and  
installing/replacing  
complete front left  
or right spring  
strut holder



### Special tools required:

- [31 2 230](#)
- [31 5 220](#)



### Necessary preliminary tasks:

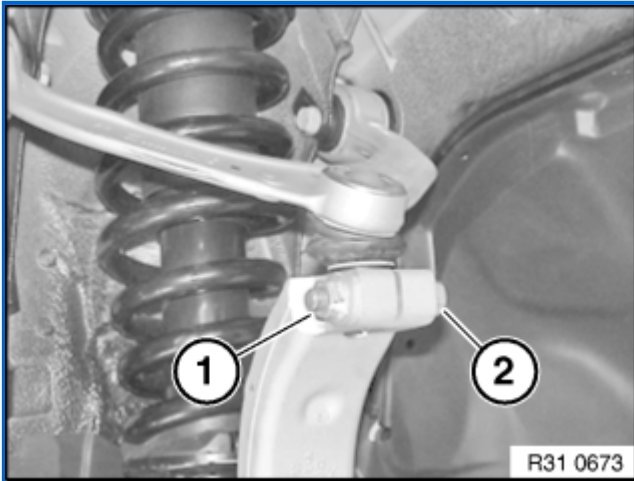
- Remove [front wheel](#)
- Remove [stabiliser link from swivel bearing](#)



Secure special tool [31 5 220](#) with wheel studs to drive flange.

Support swivel bearing with special tool [31 5 220](#) and workshop jack.

Slacken nut (1).



Release bolt (2) and remove upper control arm from swivel bearing.

**Installation:**

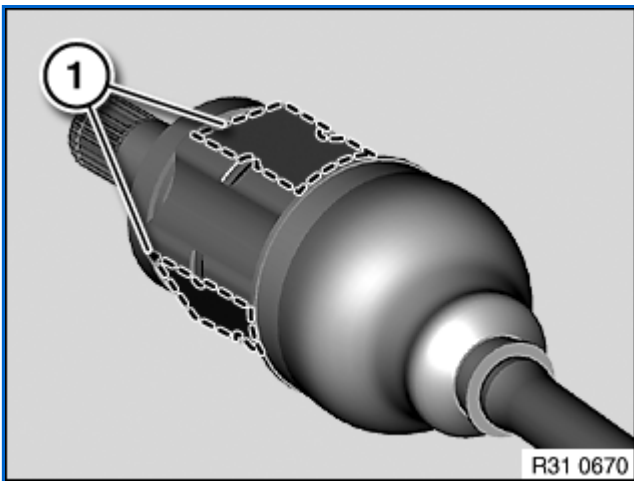
Keep upper control arm to swivel bearing connection clean and free from oil and grease.

Note insertion direction of screw.

Screw must rest correctly in groove of ball stud.

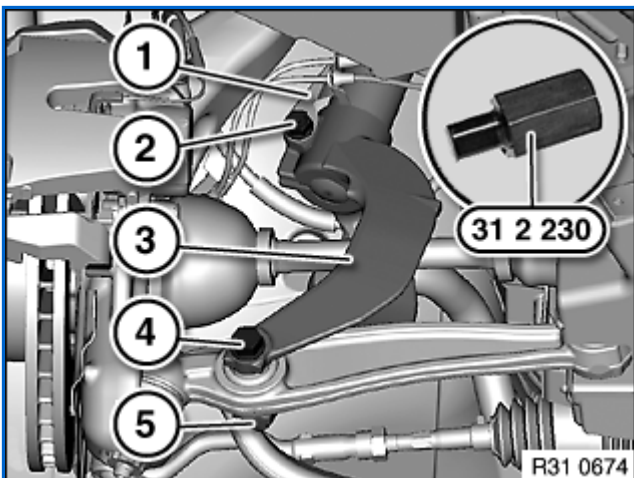
Replace self-locking nut.

Tightening torque [31 12 6AZ](#).



**Important!**

To be able to lower the swivel bearing far enough, it is necessary to align the output shaft so that one of the marked surfaces (1) points upwards.



Release bolt (2) and remove with holder (1).

Expand spring strut holder (3) with special tool . [31 2 230](#)

Release nut (5) and remove screw (4).

Lower swivel bearing until spring strut holder (3) is below spring strut.

Remove spring strut holder (3), taking care not to damage the output shaft.

**Installation:**

Keep spring strut holder to spring strut connection clean and free from oil and grease.

Version with Vertical Dynamics Management: Align spring strut holder by

way of gap to positioning pin on back of spring strut.

Release bolt (4) and nut (5).

Note insertion direction of bolt (4).

Tighten down first bolt (4) and then bolt (2) in [normal position](#).

Tightening torque [31 12 8AZ](#) (to spring strut).

Tightening torque [31 12 7AZ](#) (to lower control arm).