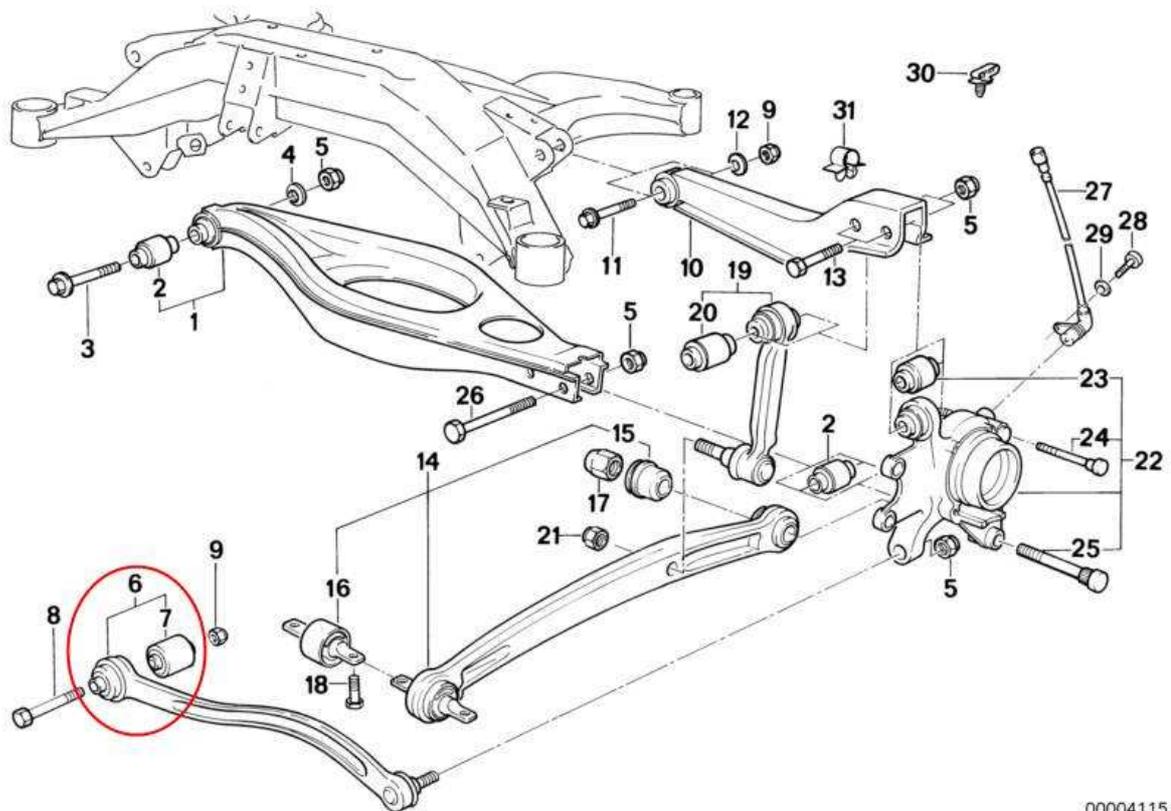


INSTALLATION INSTRUCTIONS

This documents describes the installation of the wokke spherical bearing into the BMW rear axle rods #6 in below drawing PICTURE #1 (OEM part# 33321135134 and 33321135135).

The wokke bearing replaces the OEM rubber / steel bushing #7 (OEM part #31121124622).



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PICTURE #1

The wokke bearing (PICTURE #2, 1 and 2) is custom made with a split shell. Both shells have to be pressed in using a hydraulic shop press plus special press tools (PICTURE #2, 3 and 4) which are part of the set.



PICTURE #2

The two press tools may look identical at a first glance but are actually slightly different (see PICTURE #2).

First bearing part 1 has to be pressed in using tool 3



PICTURE #3

Place the arm and the press either way as there is no right or left bearing shell. Once installed it is symmetrical. Make sure you have an opening underneath the bore in the arms !!!



PICTURE #4

Insert bearing part 1 into tool 3 while making sure that the rubber boot slightly into the tool all the way. Otherwise it'll get damaged during the pressing process. Now place both together over the bore of the arm as shown in PICTURE #5.

Next use the press and press in that bearing part 1 all the way.



PICTURE #5

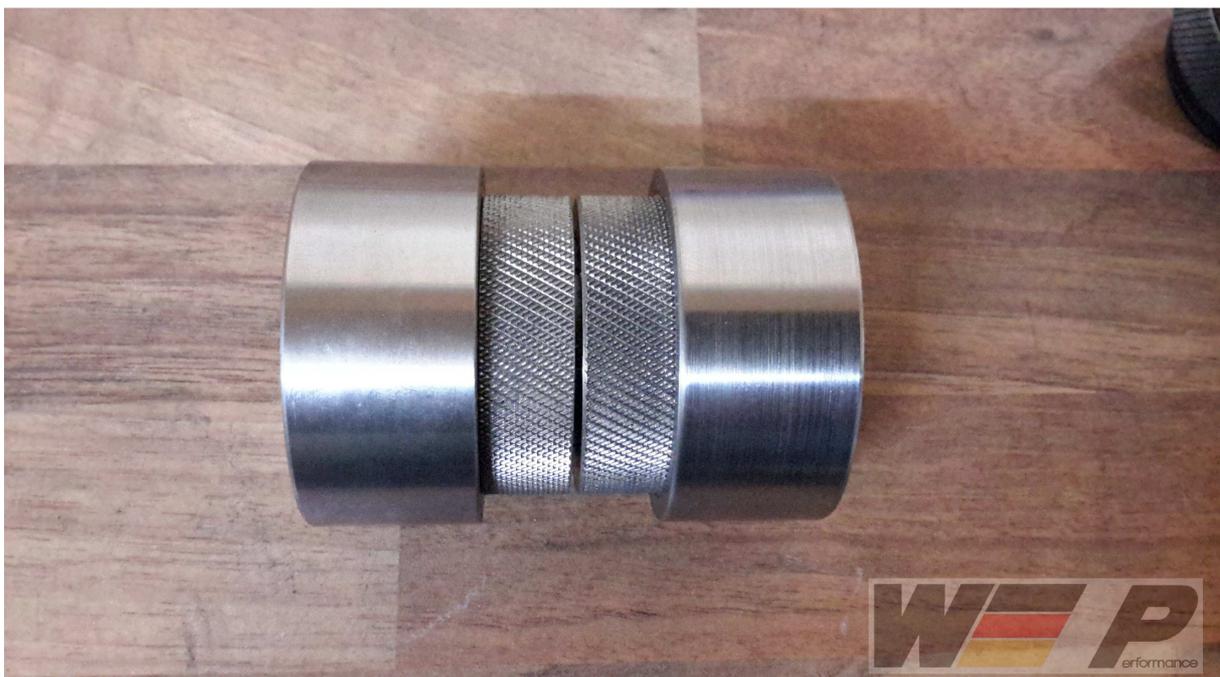
Next step is to place bearing part 2 into tool 4, again taking care not to damage the rubber boot.. Then flip over the entire assembly leaving tool 3 in place and repeat the previous step.



PICTURE #6

The design of the tool is guarantees that the bearing sits perfectly in the middle and both shells are pressed tight together eliminating any play.

PICTURE #7 shows the assembled bearing outside of the arm (just for illustration). Both tools are attached.



PICTURE #7

Once the bearings are installed the rods can go back onto the car.
Preloading as on rubber/steel bushings is NOT required making the installation a lot easier.

Good luck and I hope you'll enjoy the new quality of your E31 rear axle setup.

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