

Fitting instructions for seal kit 18G8339 to Power steering ram

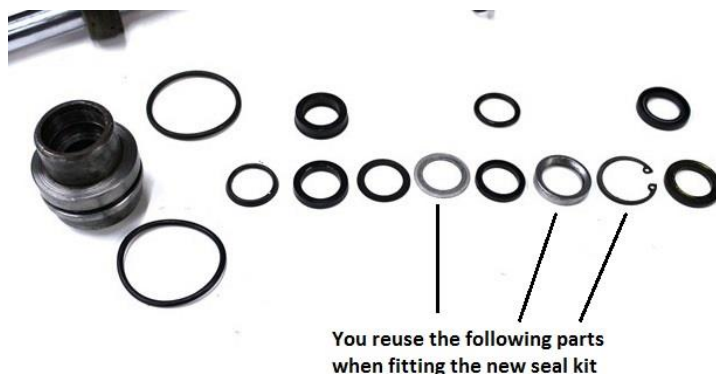
ATJ2002 and ATJ2090

It's important to point out that the originals seals are **no longer available** for these rams, but this kit contains modern day replacements seals. Please follow the instructions carefully.

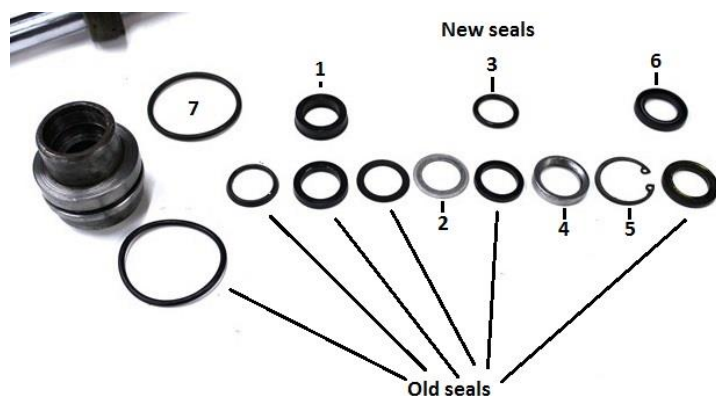
Below is a picture of the ram once it has been stripped down, this is done by removing the retaining rivet from the body ram and unscrewing the ram end cap (this is referred to as the 'bearing – lock' in the Nuffield manuals).



Next simply remove the ram rod guide (this is referred to as the 'bearing' in the Nuffield manuals) along with all seals as shown below. You will need to reuse the following components - circlip, aluminium washer and steel housing seal ring.



Below is shown the new and old seals lined up in the order they are fitted, along with ram rod guide (referred to as a 'bearing' in the workshop manual). They are list 1 to 7 as fitted to the guide.



Insert the main ram rod pressure seal (No 1) as shown below on the left, this replaces the three components of the old seal arrangement. Followed by the aluminium washer (No 2) as shown below on the right.



NEXT

Place in the new O-ring (No 3) next followed by the steel housing seal ring (No 4).



NEXT

Now refit the circlip (No 5) followed by the wiper seal (No 6). The wiper seal requires pressing with some force.



NEXT

Fit the largest of the two remaining O-rings (No 7) to the ram rod guide, the final O-ring is fitted to the valve body located in the ram (seal is shown to the left hand side of item 3 in the diagram). If this seal needs to be fitted you will have to completely strip down the valve body end of the ram.

Finally reassemble the ram ensuring that you use a thread locking compound on the ram rod nut (item 56 in the diagram).

