

ATTENTION TO ALL ARB STOCKISTS

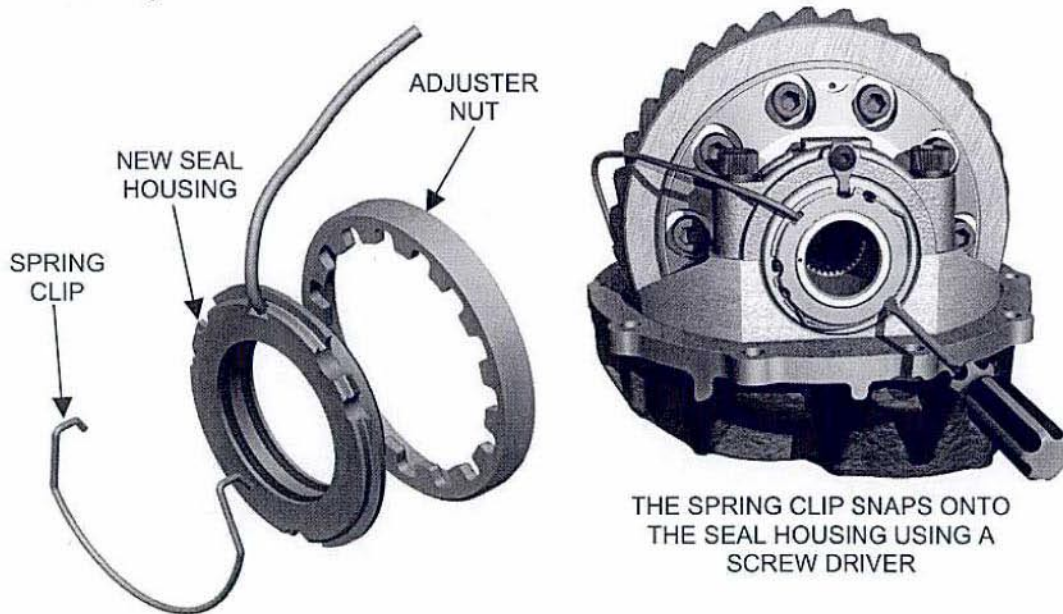
ARB AIR LOCKER

AIR OPERATED LOCKING DIFFERENTIALS

NEW SEAL HOUSING

ARB Air Locker has recently developed a new seal housing for adjuster nut differentials that is intended to replace the cast seal housings that are currently used. The cast seal housings are in no way inferior in quality to the new ones, but the new seal housings have been designed to be much easier to install.

The basic difference is that the new design is secured by a spring clip, instead of three screws and a clamping plate. The spring clip is fast and simple to fit. It holds the seal housing firmly in position on the journal but allows it to centralize itself, ensuring a good airtight seal. The spring clip secured seal housing is illustrated in the figure below.



DIFFERENTIALS MADE FROM THIS DATE FORWARD

The spring clip seal housing has been applied to the majority of adjuster nut differentials, and an attempt is being made to apply it to all. The following list of differentials will now come with spring clip seal housings:

RD01, RD02, RD04, RD05, RD08, RD09, RD17, RD23, RD24, RD25, RD33, RD46, RD64, RD72, RD73, RD74, RD75, RD78, RD79, RD88, RD99.

ORDERING SPARE PARTS

When ordering spare parts, the spring clip seal housing can be used as an exact replacement for the screw secured one in all of the above models with the exception of RD23, RD33 and RD64. For these three models the cylinder caps have been changed to accommodate the new seal housing. The difference is easily identifiable. Existing cylinder caps for these three models have O-ring grooves in the journal while the new ones don't (see figure below).



The following trouble shooting guide can be used to identify what replacement parts to order in your situation.

Problem	Solution
<p>A seal housing is required for any of the following models: RD01, RD02, RD04, RD05, RD08, RD09, RD17, RD24, RD25, RD46, RD72, RD73, RD74, RD75, RD78, RD79, RD88.</p>	<p>Only the spring clip seal housing is now made for these models. You need to order the following parts:</p> <ul style="list-style-type: none"> • spring clip seal housing (081902), • spring clip (150601), • 2 x O-ring (160235, BS133 Viton 75). <p>NOTE: you must remove and discard the clamping plate from behind the adjuster nut.</p>
<p>You have an RD23, or RD33, or RD64 WITHOUT O-ring grooves in the journal that just requires a seal housing.</p>	<p>You must order the following parts:</p> <ul style="list-style-type: none"> • spring clip seal housing (081901), • spring clip (150601), • 2 x O-ring (160207, BS136 Viton 75)
<p>You have an RD23, or RD33, or RD64 WITH O-ring grooves in the journal that just requires a seal housing.</p>	<p>You can order the following parts:</p> <ul style="list-style-type: none"> • cast screw secured seal housing (080102), • 2 x O-ring (160209, BS031 Viton 75)
<p>You have an RD23, or RD33, or RD64 WITH O-ring grooves in the journal that just requires a new cylinder cap.</p>	<p>Only the new cylinder caps WITHOUT O-ring grooves in the journal are now made for these models. So you will need to order a spring clip seal housing as well.</p> <p>NOTE: the new and old cylinder caps are interchangeable.</p> <p>Order the following parts:</p> <ul style="list-style-type: none"> • cylinder cap (030130 for RD23, 030222 for RD33, 030223 for RD64) • spring clip seal housing (081901), • spring clip (150601), • 2 x O-ring (160207, BS136 Viton 75)

In addition, upgrading from a screw secured seal housing to a spring clip secured seal housing will require fitment of the '3.5mm O-ring Bulkhead Kit' (Part No. 170105) due to the 3.5mm copper tube used on the spring clip secured seal housings.

If you have any further questions regarding the new seal housings, please contact Daniel Bongard or Sam Steward in Air Locker Design Engineering at:

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