

AWESOMATIX AT78-OR152S MANUAL



Introduction.

- . AT78/OR152 combination replaces P45L sponge piston in D2.2 damper.
- . It will allow better volume compensation than P45L sponge piston.
- . Even smoother operation of D2.2 damper at any conditions.

Assembling.



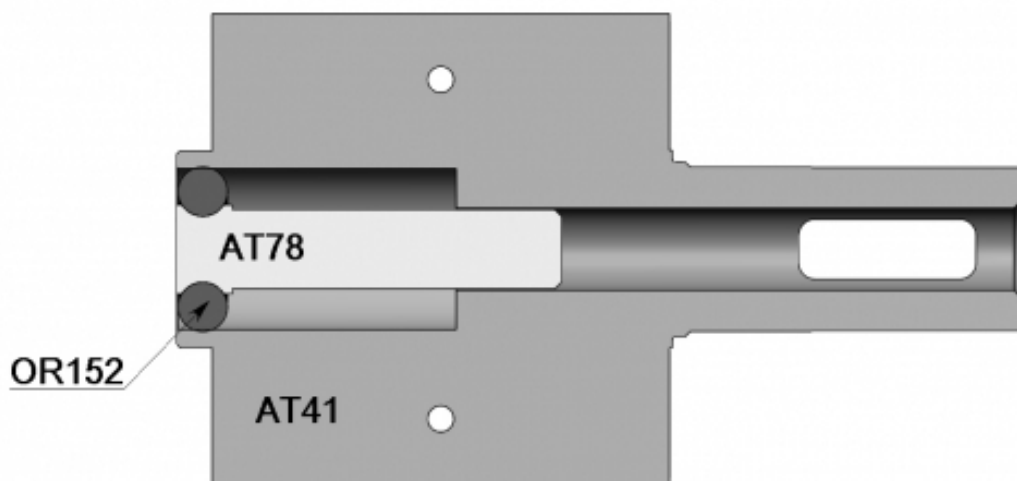
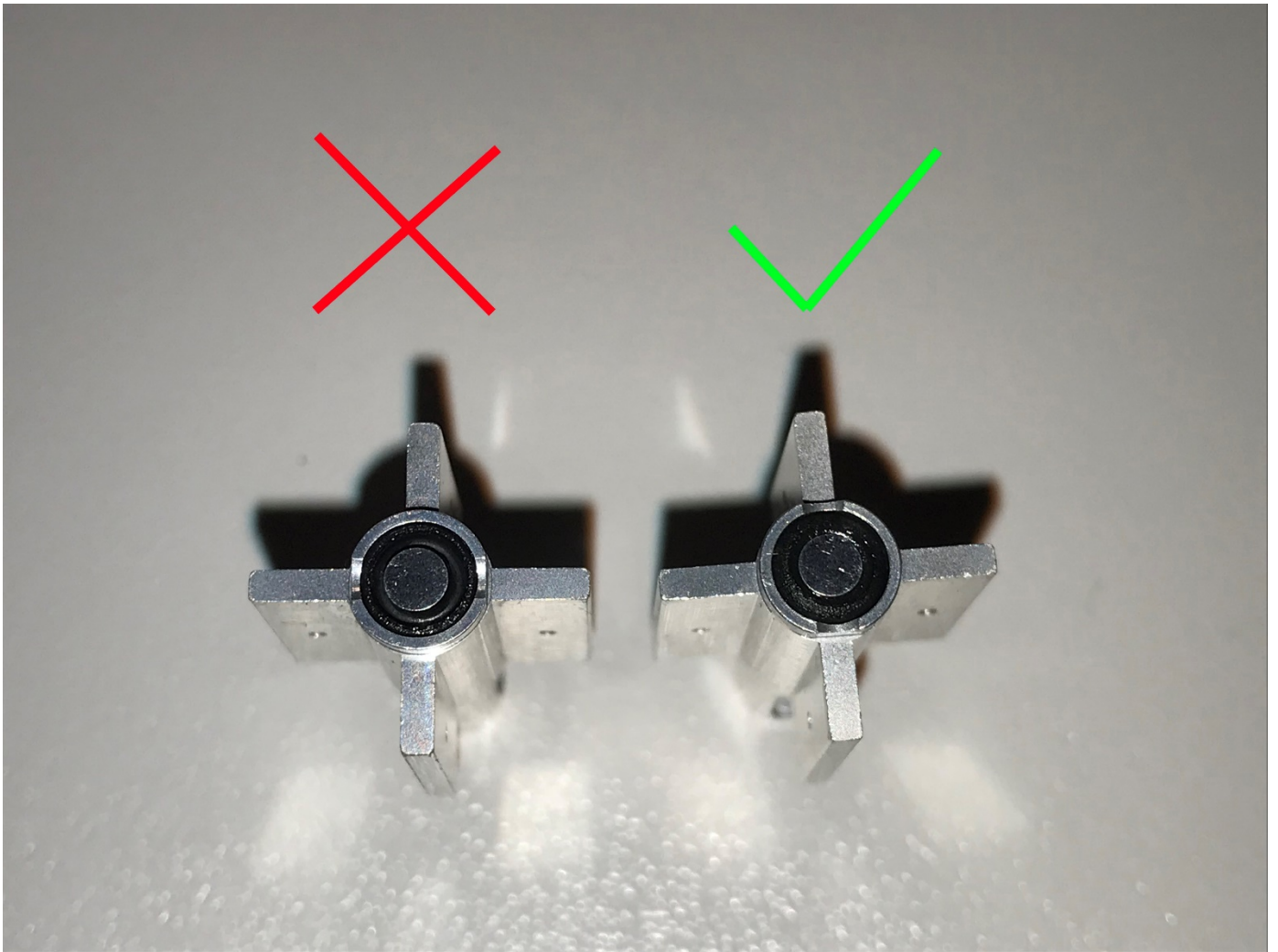
1. Open D2.2 damper and clean all parts properly. Take care on all O-Rings! They shouldn't get any contact with brake cleaner, otherwise they will be destroyed.
2. Put OR152S carefully onto AT78 shaft. Open side or the "U-Ring" faced upwards.



3. Apply some silicon oil on outer edges of OR152S to allow free movement inside Damper Vane. Take care to not put silicon oil into top face of the rings.

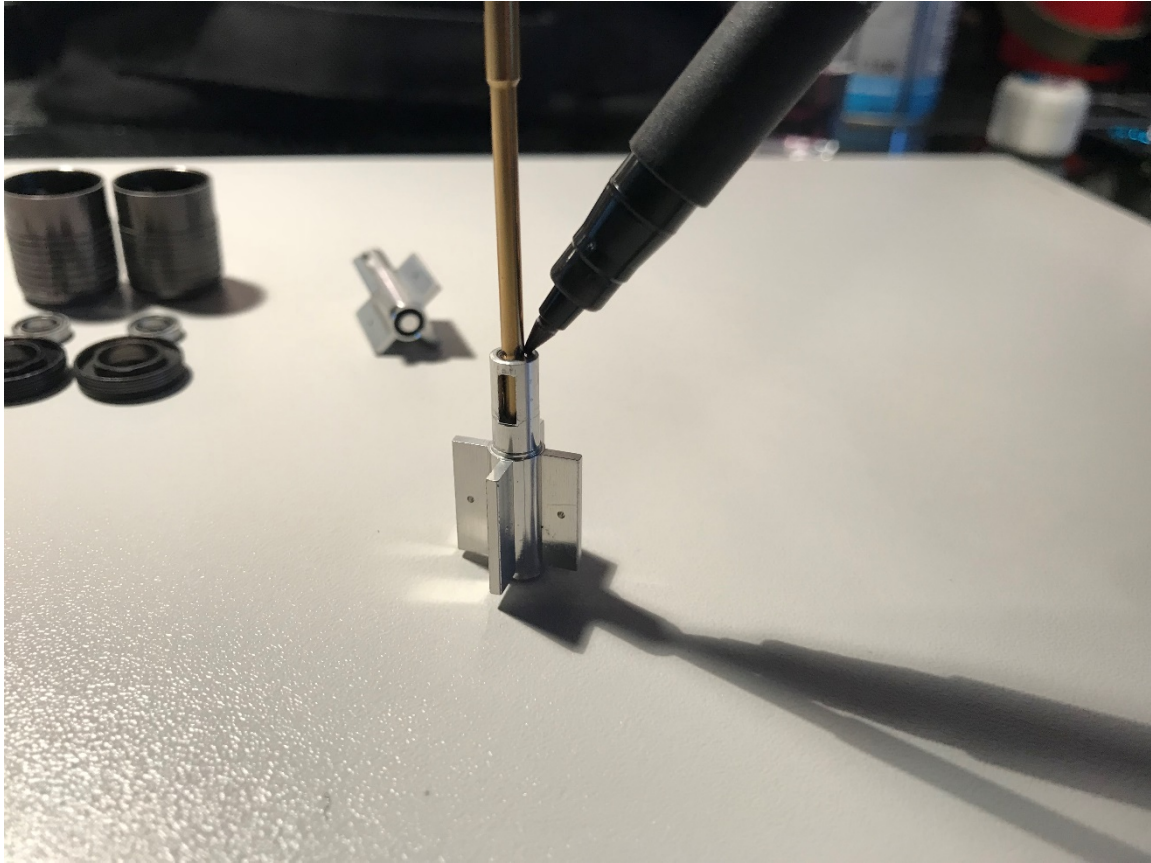


4. Put AT78 with OR152S from lower side into Damper Vane. Take care of orientation or the U-Ring. Do this slow and carefully. Make sure edges of U-Ring isn't flipped backwards. Don't push AT78 piston to far inside. It should be level with lower surface of Damper Vane.



Initial position of AT78 before assembling of the damper.

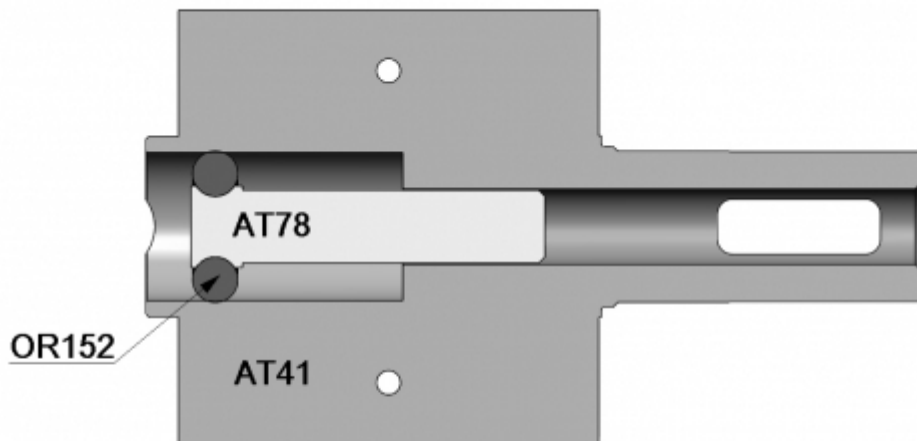
5. Use any lightweight thin tool (1,5mm tool for example) and put it inside shaft of damper vane. Mark the position on this tool to have a probe of the most down Position of AT78 inside Damper Vane.



6. Assemble Dampers like shown in instruction manual. **IMPORTANT**, don't push Damper Vane into the Damper housing. Let the Vane sink into oil from own weight. Otherwise AT78 can be moved upwards.
7. During closing the Damper, the pressure will move the AT78 piston 1-2,5mm upwards. This can be proved with the marked probe tool. **IMPORTANT** be careful at this stage, don't push AT78 piston down with your probe tool, otherwise OR152S can be deformed and leak oil!



8. Photo of correct installation of AT78:



Final position of AT78 after assembling of the damper.
The pressing of OR155 o-ring causes such displacement
of AT78 due to the inner oil overflow.

9. In case of disassembling Dampers with AT78 and OR152S move out AT41 Vane carefully and slowly. To fast disassembling cause displacement of OR152S on AT78 piston.
Make sure OR152S is in correct position again for rebuilding of dampers in this case.