

Installation Procedure for your Disco Double Kit, by Airgun Lab, LLC.



Step 1, gather tools.

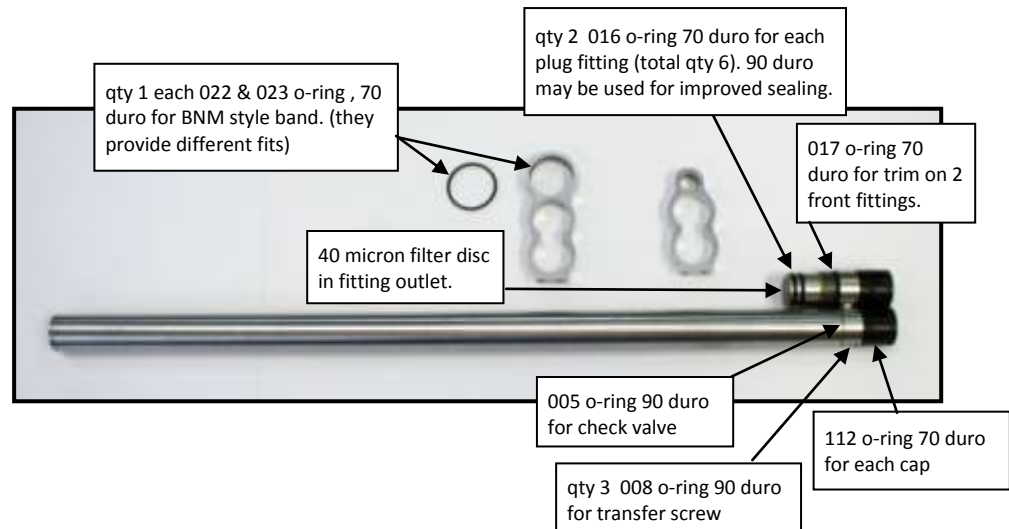
Tools required
1/2 and 9/16 wrench
Phillips screwdriver
7/64 and 1/8 hex Allen wrench



Step 2,

The Disco Double Kit.

The spare o-rings that are included with the kit are not shown in this picture.



Step 3, WARNING

Before proceeding, ensure the air gun is unloaded and that ALL air pressure has been exhausted from the air reservoir. Failure to do so could result in severe injury or death. Your pressure gauge may look different. A gauge reading of zero does not guarantee that all air pressure is exhausted.



Step 4, Remove the fill adapter with a 9/16 wrench. Too much resistance may mean that pressurized air is still in the tank, which must be removed before proceeding.



Step 5, Remove the trigger safety using a small metal piece (hex key, nail, etc.) to release the spring catch.



Step 6, Remove the barrel band, and the stock mounting screw.



Step 7, Remove the action from the stock.



Step 8, From the Disco Double kit, unscrew the tube fitting from the assembly by holding the screw in place with a 1/8" hex key while turning the fitting.

Caution – DO NOT take the screw all the way out of the fitting. Doing so will allow the check valve to come loose inside the tube.



IMPORTANT - The fitting should unscrew like this, with the screw, bushing, and o-ring still assembled as shown.



Step 9, Screw the new adapter into the Disco tube using a 1/2" wrench. Screw it all the way in until it bottoms (or almost bottoms) and then back it out so that the threaded hole points away from the barrel as shown. The slight reveal between the tube and the fitting will be filled by the o-ring. That o-ring is for appearance only, and does not hold any pressure.



Step 10, Carefully screw the fittings together until the gap closes between the tubes. The bushing is designed to bottom out and control the gap between the two tubes.

CAUTION – DO NOT overtighten the 10-32 screw. You will feel the fitting bottom out and then the screw should get tight and snug within another 1/4 turn or so. To make the reveal look the same on both tubes, unscrew the lower tube a fraction of a turn to achieve an even match.



Step 11, Carefully twist the fittings and tubes to bring the two tubes and the barrel all into alignment. If you do not do this properly, the barrel band will not fit onto the tubes.



Step 12, Carefully slip the barrel band onto the tubes and the barrel (or shroud). Make sure the set screws in the band are backed out far enough so they don't scratch the tubes. Go Slowly ! Twist the tubes as needed to get all pieces lined up properly. When properly aligned, it should all slide together nicely.

IMPORTANT - DO NOT tighten the set screws until step 12 !!



Step 13, Slide the barrel band into approximately the same location as the original band.

WARNING – The barrel band secures the two tubes together as a unit and provides structural integrity for the system. The tubes must NEVER be pressurized without the band in place.



Step 14, Install and secure the action into a stock that has been routed out to accept the extra tube.

Again, carefully check the alignment of the tubes and of the barrel and gently twist into precise alignment. Check the stock action screw again for tightness. **NOW, gently tighten the two set screws in the bottom of the barrel band, and then the set screw at the top of the barrel band.**



Step 14a, If you have a band for a shroud, the installation is basically the same, except that there is no set screw at the top and instead there is a groove for an o-ring. Two different sized o-rings are included, an O22, and an O23. Both will work, and each will give a slightly different feel between the shroud and band. Try both o-rings and use the one that you like the best. The larger o-ring will give a more snug feel.



Step 15 Finally, double check everything, slowly fill it with air, install the caps, and try it out!



For more information about the Disco Double kit, visit the Airgun Lab, LLC, website at www.airgunlab.com

For information about stocks that are specially routed out for the Disco Double kit, visit the Discos R Us website at www.discorus.net

If you have any questions or comments about the installation, please use the contact form on the www.airgunlab.com website.