



ASSEMBLY OF DUAL MACHINE

You will receive three (3) boxes. The large one contains the main tube with the ADA arm attached and also the 12" base with its bolts. The other two boxes contain each of the completely built viewing heads.

Assembly is easy and straightforward. Follow these steps

STEP 1

Open large box.

Take out the small 12" base and its accompanying bolts (3 plus washers) see Photo 1 showing small base.

PHOTO 1



Bolt small base onto bottom of main tube through bottom side of small base. The lock washer goes onto bolt first, then the flat washer before you do up each bolt.

STEP 2

Now that you have attached the base **you will appreciate that with the viewing heads in place the unit is heavy to the one side and will fall over** unless you either :

- a) place weights on base (40-50 lbs) on opposite side from ADA arm or
- b) install the tube with base as is and then install heads at final location- we recommend this one since it is very easy to install heads and it is easier to handle tube without heads attached.

STEP 3

Once tube is upright and either weighted or installed you can install the heads.

Open the two remaining boxes. Each has a complete head. If the heads you ordered were different from each other (example a 10X bino and a 20x bino) please select the one for the main tube accordingly and make sure the head you want on the main tube is selected first.

Take the head out of the box. On bottom of head unit is a spindle that will be inserted into spindle socket on top of main tube and locked in place with a spindle bolt. See photos 2 and 3 below of spindle on bottom of viewing head and the cut-out.

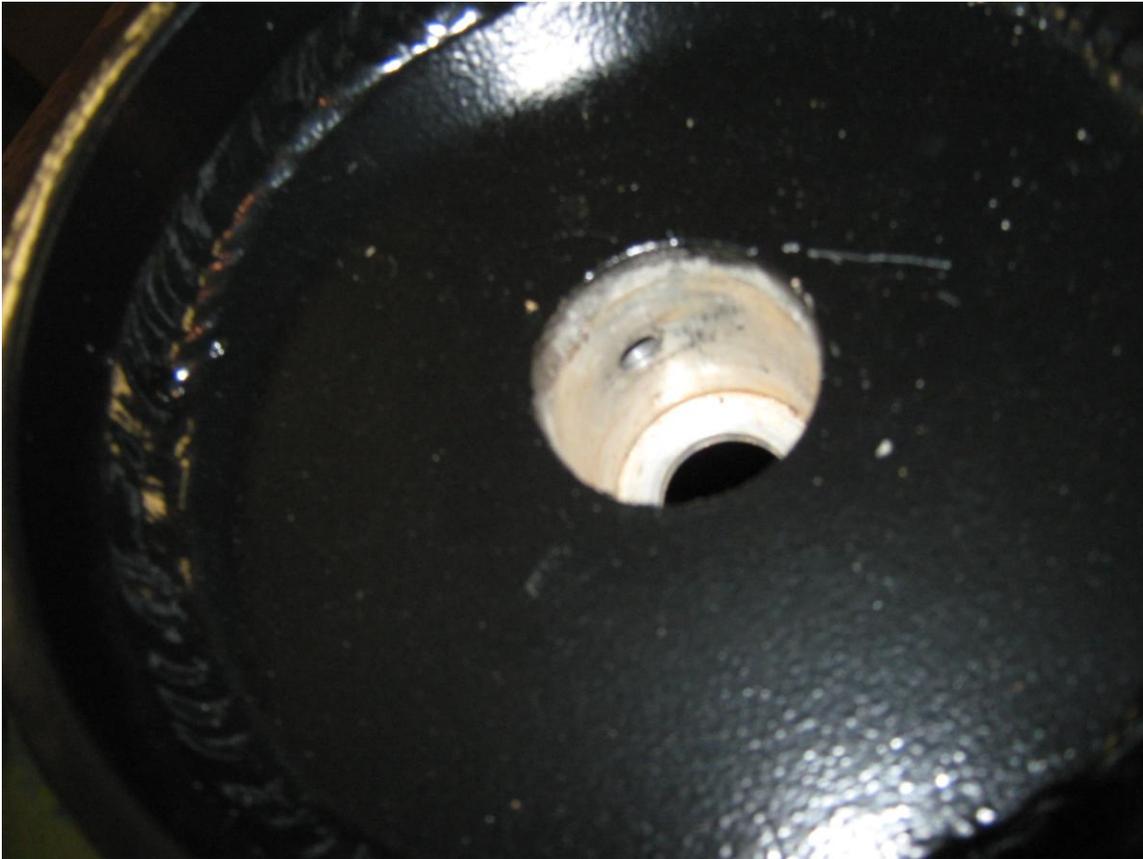
Photo 2 and Photo 3



Look into the spindle socket- see where spindle bolt enters the socket. The spindle on the bottom of the head must be placed in such a way in socket that the cut-out on spindle lines up with the spindle bolt -since once that bolt is secure into the cut-out the head cannot come off. See photo 4 below.

Photo

4



Place head and its spindle correctly into socket. Secure spindle bolt tightly.

See Photos 5 and 6 below.

Photos 5 and

6



Lastly cover spindle bolt hole with larger of two cover plates.
Holes are bored. Use rivets and rivet gun provided to rivet on the
plate to cover hole. See Photo 7 and 8 below.

Photos 7 and
8



STEP 4

(Refer back to photos in Step 3- only difference is smaller screw instead of bolt and it is already in place –but may need to be backed off- and smaller plate for cover)

Take the remaining head out of the box. On bottom of head unit is a spindle that will be inserted into spindle socket on top of ADA arm and locked in place with a spindle screw (already in place in arm.

Look into the spindle socket- see where spindle screw enters the socket. The spindle on the bottom of the head must be placed in such a way in socket that the cut-out on spindle lines up with the spindle screw -since once that screw it is secure into the cut-out the head cannot come off.

Place head and its spindle correctly into socket. Secure spindle screw tightly.

Lastly cover spindle screw hole with smaller of two cover plates. Holes are bored. Use rivets provided to rivet on the plate to cover hole.