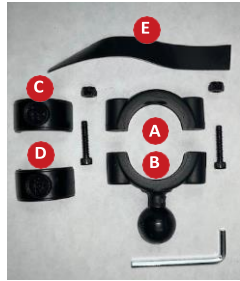






### 1. Locate the following items:

- Mount clamps **A** and **B**
- 1.27 clamp inserts **C** and **D**
- Rubber insert lining **E**
- Discard (2) extra 1.12 clamp inserts



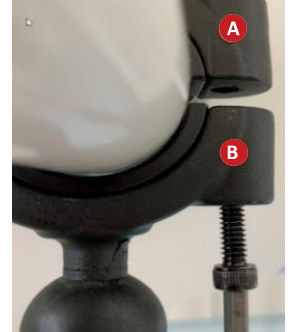
2. Cut the rubber insert lining **E** to fit inside the 1.27 clamp inserts. This will prevent the clamp from moving on the chair arm.



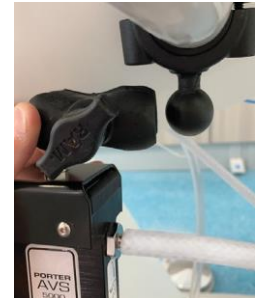
3. Place inserts on either the right or left armrest of the chair.



4. Place ball mount clamps **A** and **B** over the rubber-lined inserts **C** and **D**. Clamp **A** and **B** together on top of the inserts with screws and lock nuts using the 4 mm wrench provided. The ball should face down towards the floor.



5. Connect clamp to the ball on top of the AVS and then to the ball on the chair arm mount. Tighten clamp until AVS is held in place but loose enough that the socket will allow the ball to rotate with the movement of the arm.



6. Run the white mixed gas tubing and clear vacuum tubing from the junction box up through the chair cantilever and out to the AVS.

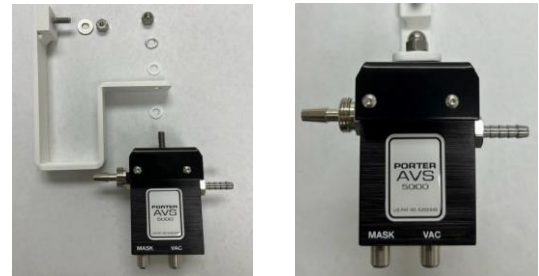
7. Face the single barb outlet on the AVS towards the back of the chair. Connect the white mixed gas tubing coming from the chair to the multi barb on the AVS.

8. Connect the clear vacuum tubing coming from the chair to the AVS port labeled VAC.





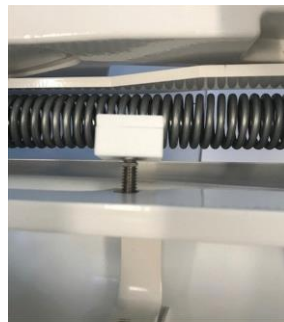
**3.** Place nylon washer on threaded AVS post. Place threaded post through mounting hole on the U bracket. Place 2nd nylon washer, metal washer and thread on acorn nut. Tighten with 7/16" wrench.



**1.** Remove chair upholstery and locate pre-drilled hole in the chair frame.

**4.** Run the white mixed gas tubing and clear vacuum tubing from the junction box up through the chair cantilever and out to the AVS.

**5.** Face the single barb outlet on the AVS towards the back of the chair. Connect the white mixed gas tubing coming from the chair to the multi barb on the AVS.

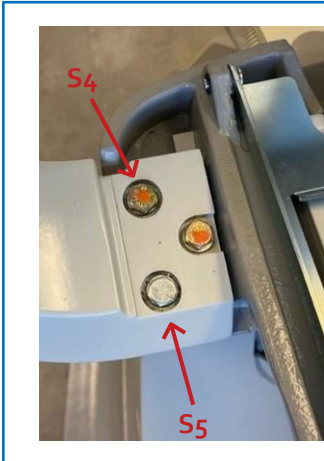


**2.** Slide the vertical post of the U-bracket up underneath the chair, between the chair spring and chair frame. Place the U-bracket threaded post through the chair frame hole and through the larger metal washer on the opposite side. Thread on lock nut and tighten with 7/16" wrench.



**6.** Connect the clear vacuum tubing coming from the chair to the AVS port labeled VAC.

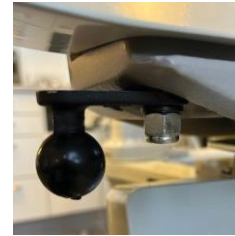




**1.** Remove seat upholstery to locate the 3 screws that connect the chair arm to the chair frame. Remove the bolt closest to the front of the chair for S5 Series. Remove bolt closest to the back of the chair for S4 Series.



**2.** Replace existing bolt with the 2" bolt and existing split washer. Thread bolt through split washer and chair.



**3.** Thread the ball mount onto the bolt, followed by the split washer and nut. Tighten the nut to secure the ball mount to the chair, orienting the ball out towards the side of the chair using a 9/16" wrench.

**4.** Connect clamp to the ball on top of the AVS and the other end to the ball on the chair bracket.



**5.** Run the white mixed gas tubing and clear vacuum tubing from the junction box up through the chair cantilever and out to the AVS.

**6.** Face the single barb outlet on the AVS towards the back of the chair. Connect the white mixed gas tubing coming from the chair to the multi barb on the AVS.

**7.** Connect the clear vacuum tubing coming from the chair to the AVS port labeled VAC.



CMK-D-5000 Parts



**1.** Remove upholstery from chair. Remove screw and plastic cover where the arm meets the chair.



**2.** Locate the 3 bolts that attach the arm to the chair and remove the bolt closest to the rear of the chair. Keep the existing split washer and flat washer. Replace with 2" bolt provided placing the existing split washer and flat washer on the bolt and thread through the chair.



**3.** Underneath the chair arm, place the ball mount on the bolt followed by the lock nut. The ball mount should be orientated towards the back of the chair. Tighten with 9/16" wrench.



**4.** Attach horizontal clamp from chairmount ball to the ball on top of the Porter AVS.

**5.** Run the white mixed gas tubing and clear vacuum tubing from the junction box up through the chair cantilever and out to the AVS.

**6.** Face the single barb outlet on the AVS towards the back of the chair. Connect the white mixed gas tubing coming from the chair to the multi barb on the AVS.

**7.** Connect the clear vacuum tubing coming from the chair to the AVS port labeled VAC.





**1.** Remove upholstery from chair, locate the pre-drilled holes on the black mounting plate.



For PD2, GP2 and RS1 chairs, use the middle hole to mount the hardware.



For R16 and Signet chairs, pick either hole to mount the hardware.



**2.** Thread 1" bolt through the flat washer and pre-drilled hole shown above. Underneath the mounting plate place the ball mount and lock nut on the 1" bolt. The ball mount should be orientated towards the back of the chair. Tighten with a 9/16" wrench.



**3.** Attach one end of the horizontal clamp to the ball on the AVS and the other to the ball on the chair. Twist knob to tighten to desired position.

**4.** Run the white mixed gas tubing and clear vacuum tubing from the junction box up through the chair cantilever and out to the AVS.

**5.** Face the single barb outlet on the AVS towards the back of the chair. Connect the white mixed gas tubing coming from the chair to the multi barb on the AVS.

**6.** Connect the clear vacuum tubing coming from the chair to the AVS port labeled VAC



CMK-Royal Parts