

SNEAKER DOLLY

HANDHELD MOBILITY SYSTEM



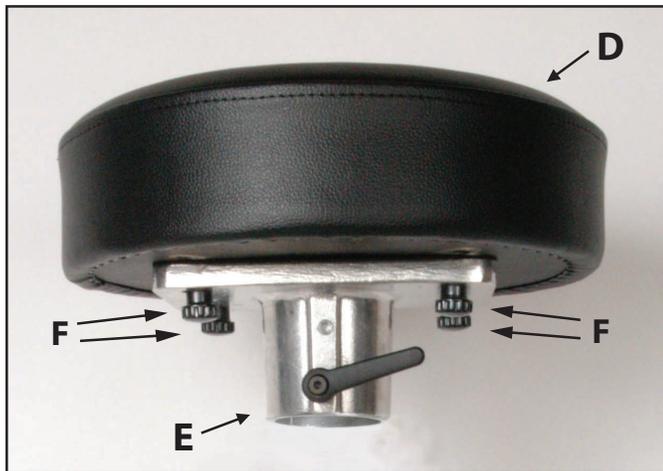
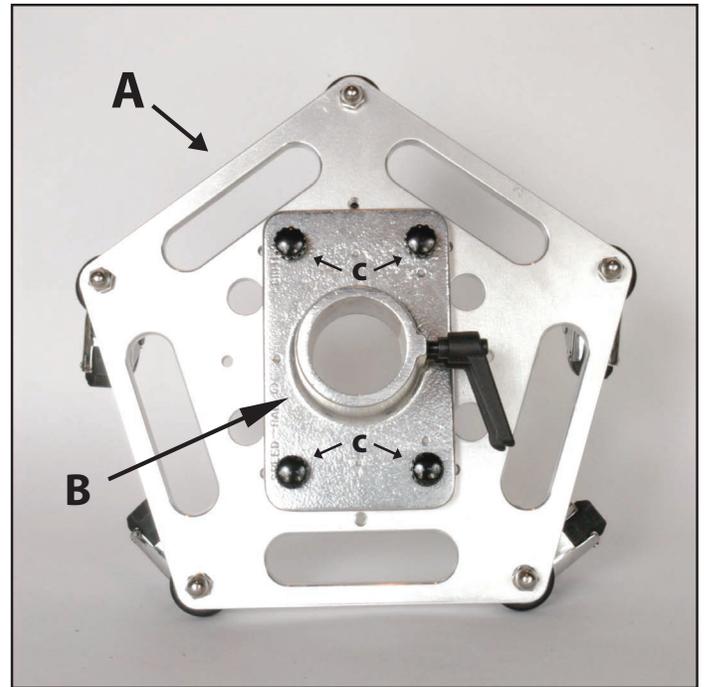
OWNER'S MANUAL

Contents

Sneaker Dolly Components	1
Mitchell Kit Components	2
Pneumatic Kit Components	3
Maintenance	4
Build 1 - Standard Modes	5
Build 2 - High Modes	6
Build 3A - Low Mode 1	7
Build 3B - Low Mode 2	8
Build 3C - Low Mode 3	9
Build 4 - Mitchell High Modes	10
Build 5 and 6 - Mitchell Low Modes	11
Build 7 - Mitchell Base Seat	12
Build 8 - Pneumatic Mode	13
Speedrail Mount	14

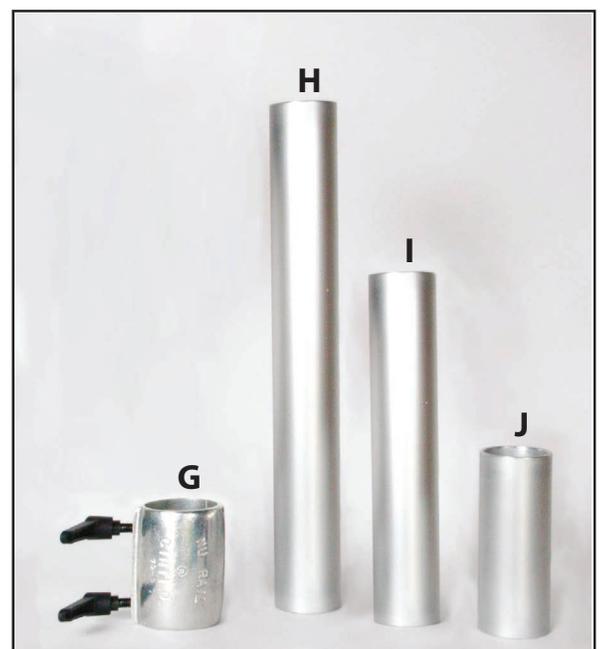
Sneaker Dolly Components

- (A) Sneaker Base w/ 5 wheels
- (B) Base Flange w/ 2 Kipp Handles
- (C) 4 - Fastening Knobs, 5/16"-18 thread

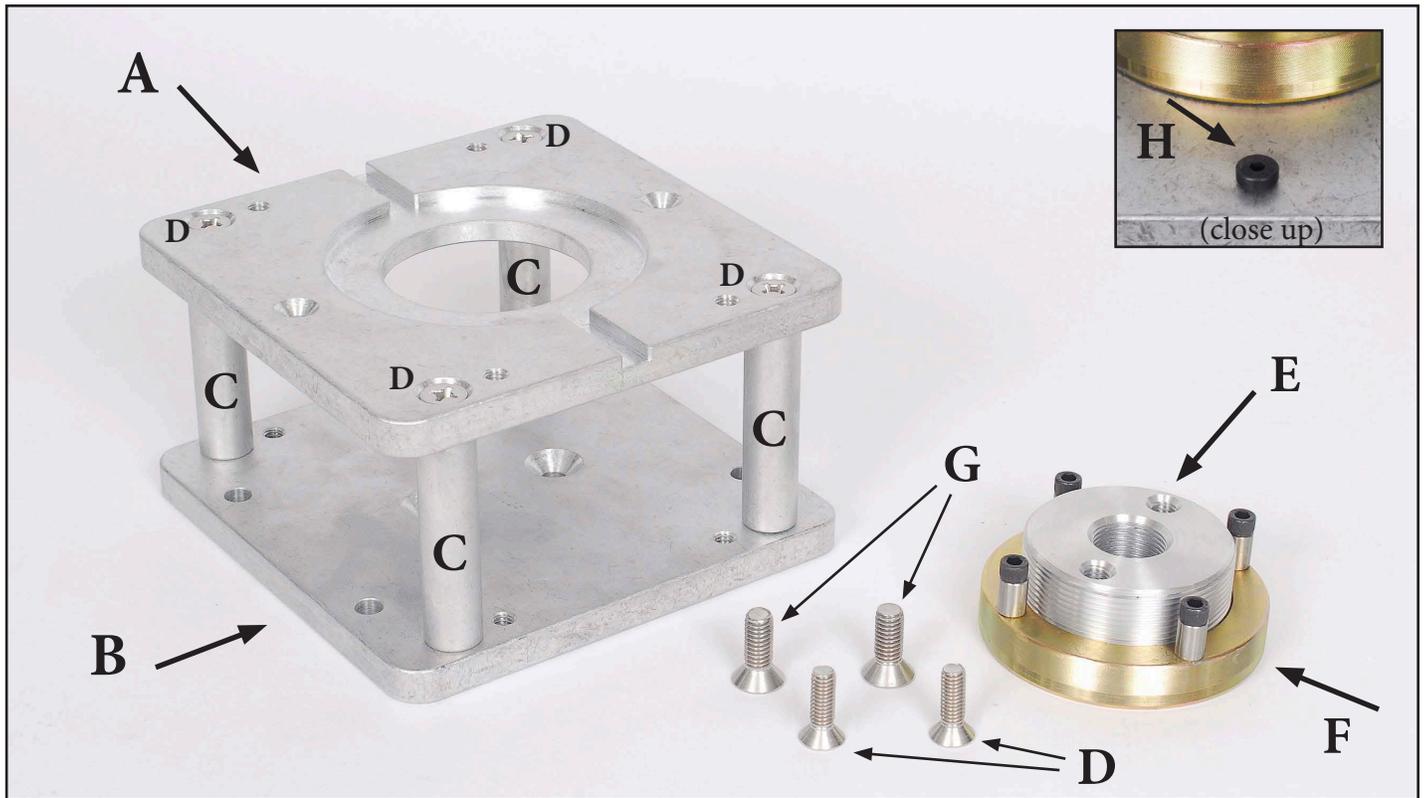


- (D) Seat
- (E) Seat Flange w/ 1 Kipp Handle
- (F) 4 - Fastening Knobs, 5/16"-18 thread

- (G) Pipe Coupler w/2 Kipp Handles
- (H) 18" Center Pipe
- (I) 12" Center Pipe
- (J) 6" Center Pipe
- (K) 2 - spare Fastening Knobs



Mitchell Kit Components



(A) Mitchell Block Top Plate

(E) Mitchell Thread

(B) Mitchell Block Bottom Plate

(F) Mitchell Castle Nut

(C) 3 inch Riser Post (4 total)

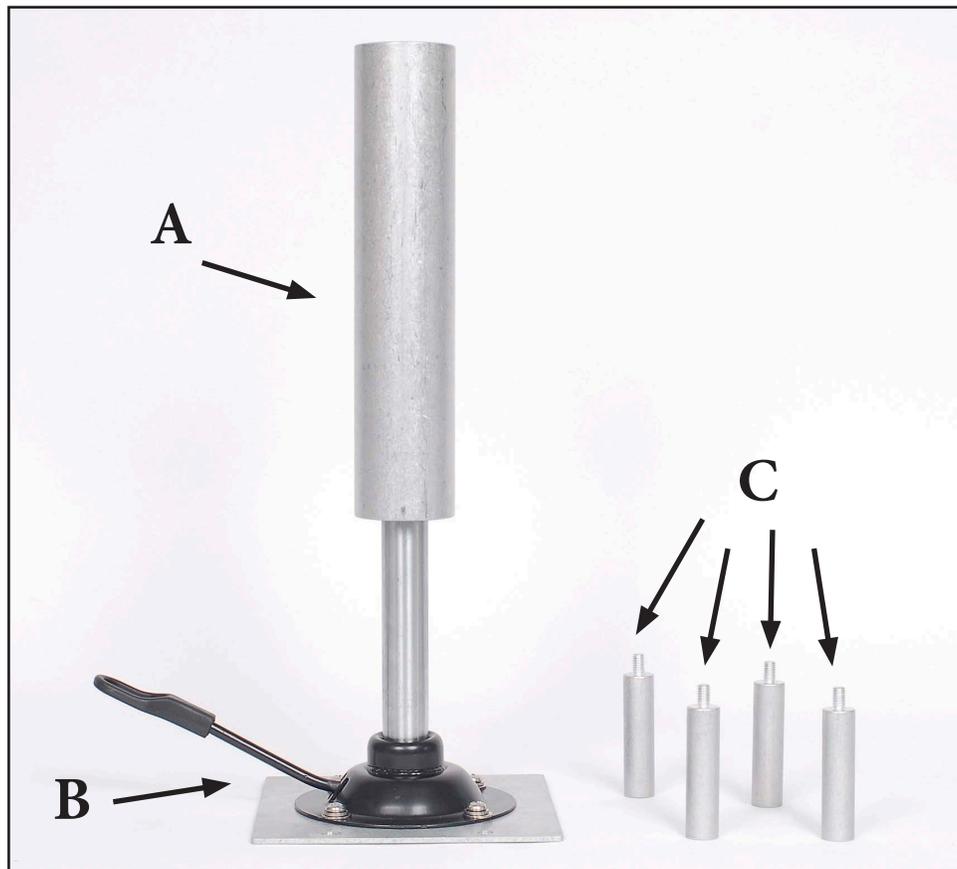
(G) 2 - 3/8" Screws for Mitchell Thread

(D) 5/16" screws (6 total)

(H) Keyway Screw



Pneumatic Kit Components



(A) Pipe Housing w/ Gas Cylinder

**(B) Pneumatic Seat Plate w/
Adjustment Lever**

(C) 3 inch Riser Post (4 total)



Introduction and Maintenance

Congratulations on your purchase of the Sneaker Handheld Mobility System. We at Teknicam are confident that the Sneaker will give you many years of reliable use. Please contact us if you have any questions or problems with your Sneaker system and we'll do our very best to provide a solution. We also appreciate any feedback you may have as we aim to constantly improve and refine our system to be the best it can be.



The Sneaker system is pretty much maintenance free, although for optimum benefits, we recommend the following light maintenance once or twice a year depending on how heavily it's used:

- When the pipes become heavily worn, a light sanding with some fine grit sandpaper will restore a nice smooth finish. Although a worn pipe does not affect the functionality of the Sneaker.
- We recommend some light lubrication on the threads of the Knobs, Kipp handles and Sneaker Base mounting holes. A simple, spray protectant/lubricant like WD-40 or Tri-Flo would prevent corrosion and keep moving parts smooth and operational. The wheels will eventually gather dust and dirt depending on the conditions. A yearly cleaning and lubrication of bearings will keep the wheels rolling and swiveling at peak performance.

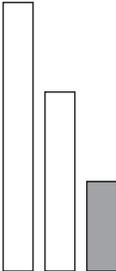
Two Knobs vs. Four

All builds pictured in this manual use 4 Knobs to attach the Base Flange to the Sneaker Base. However, through field-testing, we find that using only 2 Knobs is perfectly adequate for this purpose. Also, working with 2 Knobs instead of 4 greatly quickens conversion times. So feel free to use 2 Knobs whenever attaching the Base Flange to the Sneaker Base. However, 4 knobs should always be used when attaching the Seat Flange to the Sneaker Seat.



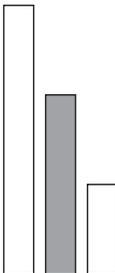
BUILD 1 - Standard Mode

Build 1A
6" Centerpipe

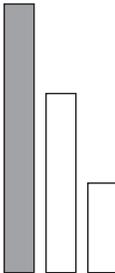


Build 1B
12" Centerpipe

← High
Low →



Build 1C
18" Centerpipe

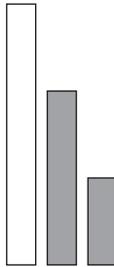


BUILD 2 - High Mode

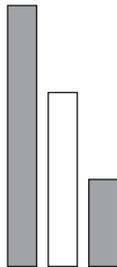


The Pipe Coupler combines two pipes for specific heights or when 18" Center Pipe is not high enough.

Build 2A
12" Centerpipe
and 6" pipe
joined with Coupler



Build 2B
18" Centerpipe
and 6" pipe
joined with Coupler

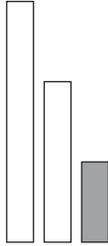


BUILD 3A - Low Mode 1

Build 3A

A 6" Center Pipe is used and the Base Flange is mounted inverted.

This build places the seat 3 inches lower than the lowest Standard-mode build.



* Note: It is necessary to temporarily remove the lower Kipp handle from the Base Flange in order for it to fit through the bottom of the Sneaker Base. (see red arrow) Only 1 Kipp handle is used in the Base Flange when installed inverted.

The un-used Kipp handle can be stored in the 3/8" hole on the base as shown.



BUILD 3B - Low Mode 2

In this build, the seat and seat flange rest firmly atop the Sneaker Base, but they are not directly attached. This is to achieve a super quick changeover. The seat can be lifted straight off the Base. To FASTEN the seat directly to the Sneaker Base, please refer to Build 3C on the next page.

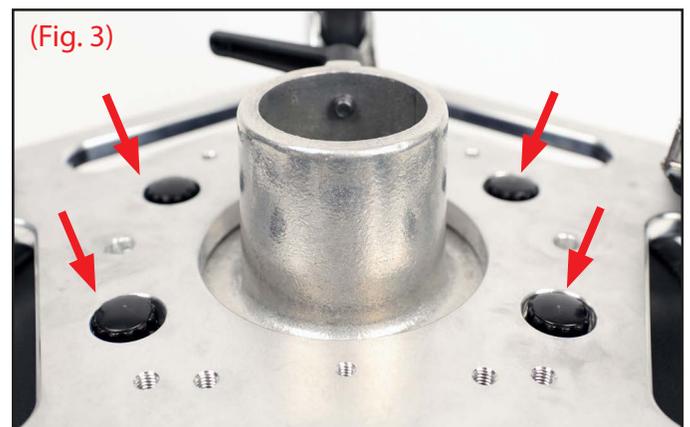
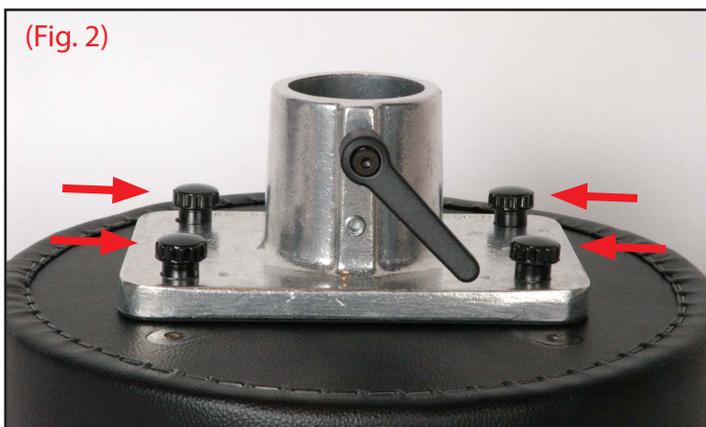
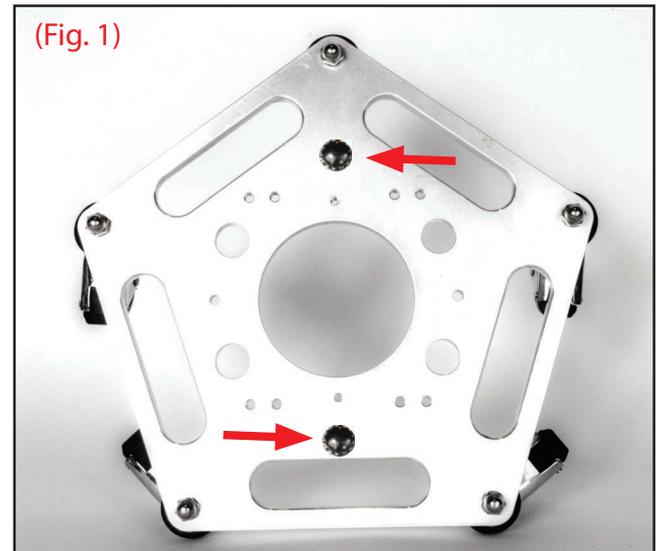


Build 3B

Step 1: Remove the Base Flange from the Sneaker Base (Figure 1). Then screw two Knobs completely down into the two threaded holes indicated in (Figure 1). The function of this knob placement is to keep the seat from rocking side to side.

Step 2: Remove any pipe from Seat Flange. Then thread the Kipp Handle (Figure 2) all the way in until it no longer swivels. This is done to prevent the Kipp Handle from dangling freely under the Sneaker base.

Step 3: Align the four Knobs of the Seat Flange (Figure 2) with the four large holes in the Sneaker Base (Figure 3). Then simply drop the seat into position on the base



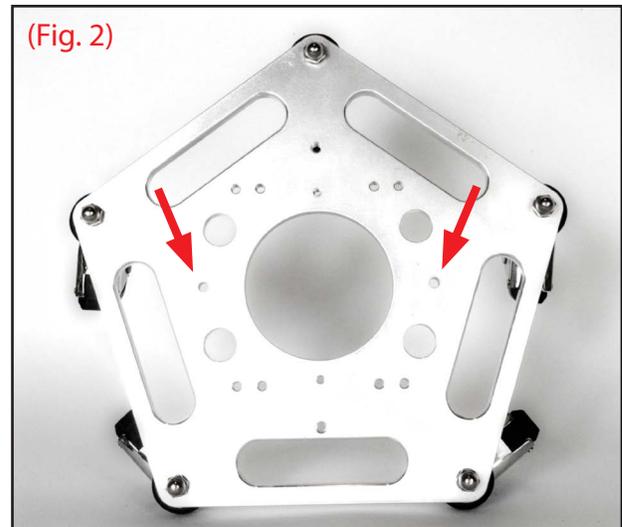
BUILD 3C - Low Mode 3

Build 3C

This build allows the seat to be FASTENED directly to the Sneaker Base. It's also the lowest configuration of the Sneaker Dolly. 1/2 inch lower than Low Mode Build 4A. No pipes or flanges are used in this setup.

Step 1: Remove the Seat Flange and lay the seat upside down on a flat surface (Fig. 1).

Step 2: Remove the Base Flange from the Sneaker Base and locate the two 3/8" non-threaded through-holes (Fig. 2). They are the **only two small non-threaded holes** on the Base.



Step 3: Lay the Sneaker Base on top of the seat, wheels facing up. Center the Base then rotate to line up the two through-holes with two threaded inserts in the seat. Then use two Knobs to attach Seat to the Base (Fig. 3). Only 2 knobs are used in this build.



BUILD 4 - Mitchell High Mode

Build 4

By replacing the Sneaker Seat with the Mitchell Block, you now have a rolling Mitchell Base.

There are 4 threaded 5/16" holes in the Mitchell Block Bottom Plate. Use these holes and 4 Knobs to attach the the Mitchell Block to the Seat Flange.

From here, use the various Center Pipes to adjust your heights the same as you would in Seat Mode.

To go lower than 14 inches, refer to Build 5 and 6 Mitchell Low Modes on the next page.



Important Note: It is not recommended to setup higher than shoulder level in this configuration. Clearly, in this build, the center of gravity and mass of the camera sit high on a narrow base and can tip over if not careful. For this reason it's highly advisable that whenever built in high Mitchell Mode, someone remain close to the camera at all times and common sense is exercised.



BUILD 5 and 6 - Mitchell Low Modes

Build 5

This setup puts the height of the Mitchell base at 8" from the ground.

Step 1: Remove both Pipe flanges from the Sneaker Base and the Mitchell Block.

Step 2: Locate the 4 non-threaded holes in the Mitchell Block Bottom Plate. And line them up with 4 threaded 5/16" holes in Sneaker Base.

Step 3: Use 2 or 4 Knobs to fasten the Mitchell Block directly to the Sneaker Base.



Build 6

This setup puts the height of the Mitchell base at 5". It's basically a rolling hi-hat.

Step 1: Remove both Pipe flanges from the Sneaker Base and the Mitchell Block.

Step 2: Detach the Mitchell Top Plate from the Mitchell Block by removing the four 5/16" screws from the Mitchell Plate.

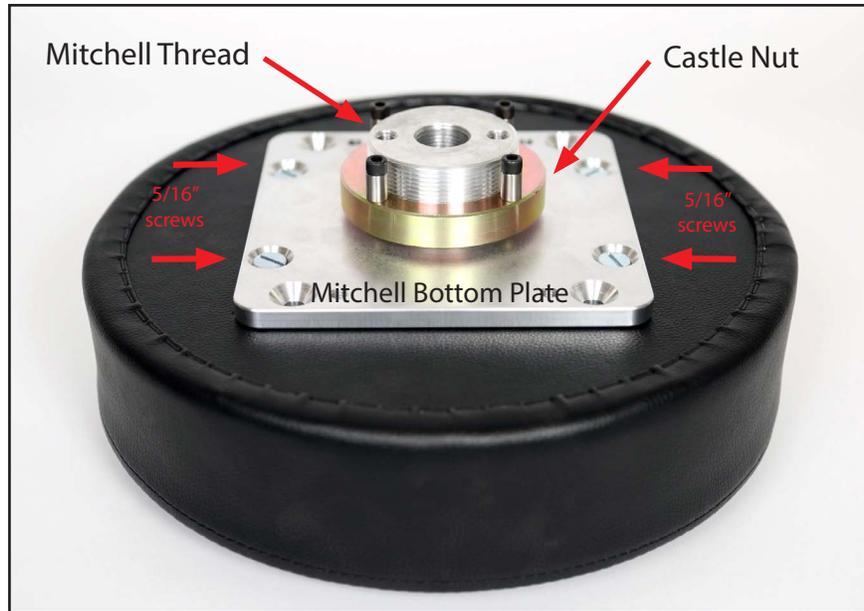
Step 3: Use the screws to attach the Mitchell Top Plate to threaded 5/16" holes on Sneaker Base

Step 3 Alternate: Instead of using the flathead screws. The Mitchell Top Plate can be attached from underneath the Sneaker Base using two knobs.



BUILD 7 - Mitchell Mount Seat

This setup adds a Mitchell Base to the Sneaker Seat. Mount it to a dolly boom arm, a dolly offset, a vehicle rig or any special configuration you can dream up.



Build 7

Step 1: Remove the Seat Flange and Knobs from the Sneaker Seat.

Step 2: Dis-assemble the Mitchell Block and remove the Mitchell Bottom Plate.

Step 3: The Mitchell Kit includes a Mitchell Thread and Castle Nut. Use the two flat-head 3/8" screws to attach the Mitchell Thread to the Mitchell Bottom Plate.

Step 4: Attach the Mitchell Bottom Plate with Thread to the Sneaker Seat using four 5/16" flat-head screws included in the Mitchell Kit.



The Mitchell Block can also be used as a 4" riser. Simply thread the Keyway Screw into the 1/4"-28 hole as pictured.

The Keyway Screw can also be used in Mitchell Seat mode, although not very necessary for most applications.



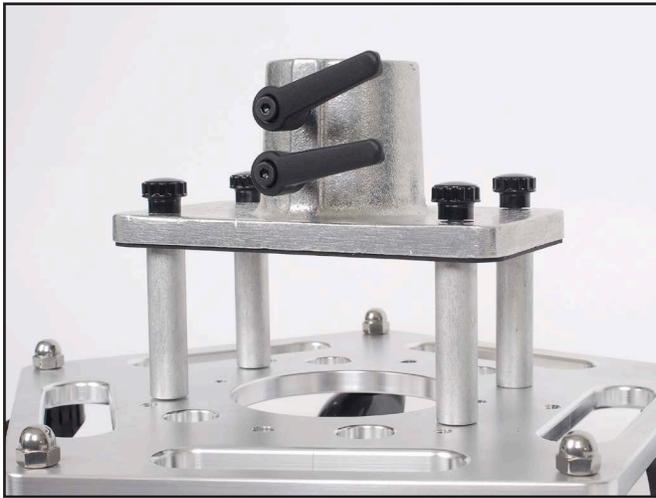
BUILD 8 - Pneumatic Mode

Build 8

The Pneumatic Kit provides 6 inches of height range using the adjustment lever and gas lift. Remove the Seat Flange from the seat and replace with the Pneumatic assembly.

There are four 3-inch riser posts included with the Pneumatic Kit. These risers are optional for use in hydraulic mode. They raise the Base Flange to add 3 inches of height on the top end while keeping the same low end height. This build gives the user 15 inches of range up and down without switching pipes.

If pneumatic lift ever becomes sticky we recommend spraying some WD-40 or Tri-Flow along the shaft

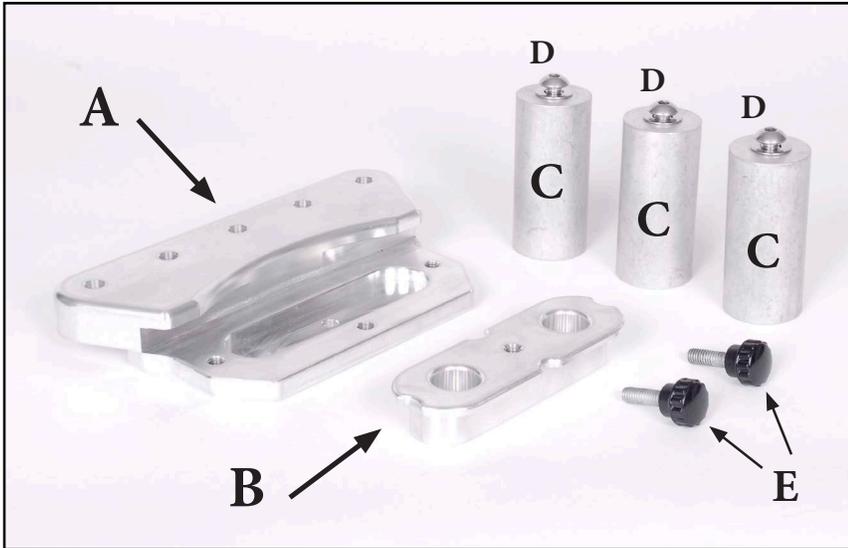


30"



15"

Speedrail Mount



(A) Speedrail Mount

(B) Support Insert

(C) 3 - Speedrail Starter Posts (1-1/4" IPS pipe)

(D) 3 - Bolts and Washers 3/8-16" thread

(E) 2 - Fastening knobs 5/16-18" thread

1. Attach Speedrail Starter Posts (C) to Speedrail Mount (A) using the three 3/8" bolts and washers.

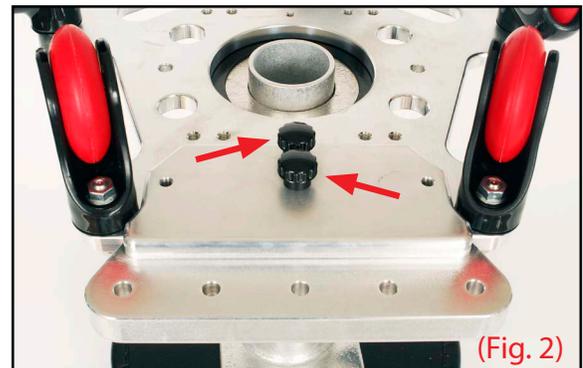
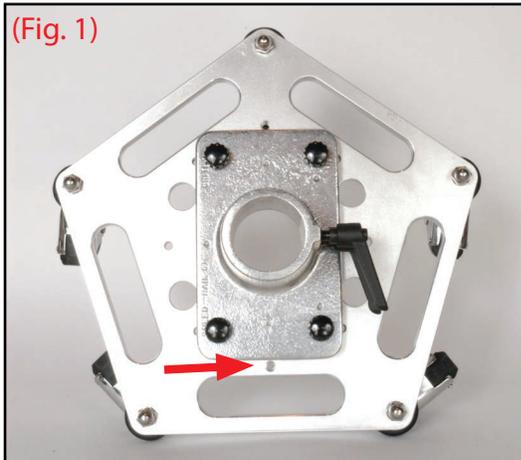
2. Slide the Speedrail mount onto the edge of the Sneaker Base, without the Support Insert (B).

3. Make sure to line up the Speedrail Mount with the 5/16" hole on Sneaker Base (fig. 1)

4. Secure the Speedrail Mount to the underside of Sneaker Base using a fastening knob (fig. 2)

5. Add the support insert (B) (fig.3) and secure it with a second fastening knob (fig 2)

NOTE: Using the support insert is optional but recommended, especially when great force will be applied to the speedrail mount.

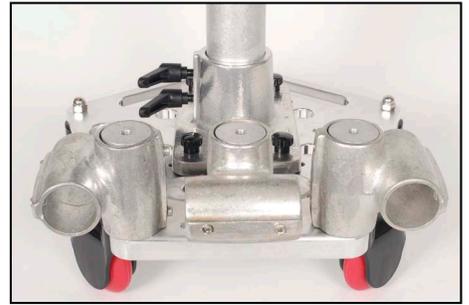
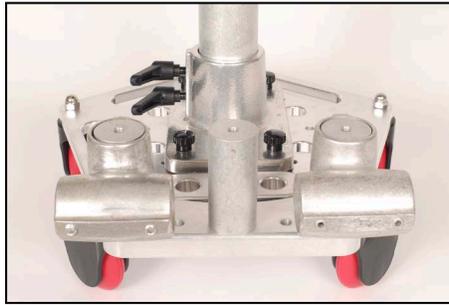


For storage, the support insert can be secured with two fastening knobs



Properly installed Speedrail Mount should look like this. You can now attach your 1-1/4" speedrail fittings.

The Speedrail Mount can be set up in a variety of ways to accomodate your shooting needs. It can be used to build a push bar, an operator's elbow rest or any other contraption to attach to the Sneaker Dolly. Here are a few examples of different builds.



In this build the Support Insert is not used, so the seat can lie flat.

