



Pitot Change-out Kit Instructions

The Pitot Change-out Kit simplifies the job of changing out a Hose Monster pitot. The 6" long 1/8" hex socket tool (1/4" drive) is used so that removing, installing and adjusting the setscrew is done with ease. A standard 1/8" 90° hex wrench will also work, but is more time consuming. The magnet is used to keep from losing the ball, spring, pin and setscrew.

Includes:

1/8" x 6" long hex wrench (1/4" drive)

Rectangular ceramic magnet

Instructions:

Removal of pitot

- Stand your 2 1/2" hose Monster on a flat surface on the discharge end so that the pitot handle is on top.
- Insert the hex wrench into the setscrew located on the downstream side of the pitot locking plate bracket.
- Set the magnet on top of the bracket close to pitot shaft.
- Use the hex wrench to loosen the setscrew. With your other hand, swivel the pitot handle back and forth while applying upward pressure to the handle. The idea is to feel when the setscrew is loosened sufficiently to allow the pitot shaft to be removed.
- When the pitot begins to slide out of the bracket, loosen the setscrew another turn, reach through the air-vent hole of the Hose Monster and maneuver the splashguards over the pitot-pickup-tube.



- Note:** Splashguards in the newer Hose Monsters have an adhesive backing and are stuck in position. Sometimes the pitot can be maneuvered past the splashguard.
- Continue to slide the pitot out of the Hose Monster. Use the magnet to collect the ball bearing, spring and pin. The splashguards might fall into the Hose Monster body. Not to worry – they're easy to retrieve just by shaking the Hose Monster.
 - If the pitot will not be immediately replaced, finish removing the setscrew, spring, pin and ball bearing. Put them in a safe place such as a small plastic bag or envelope to keep from losing them. You can reuse them when the pitot is reinstalled.

Installation of pitot

Installation of the pitot is essentially the reverse of the removal procedure above.

- Stand your 2 ½” hose Monster on a flat surface on the discharge end so that the pitot handle is on top.
- Clean the area inside the Hose Monster body where the new adhesive backed splashguards will make contact. Sandpaper or steel wool is recommended.
- Insert the setscrew, spring, pin and ball bearing into the bracket but tighten the setscrew only a few turns.
- Install the splashguards – Start with the gauge end. Remove the white backing from one splashguard to expose the adhesive. Use the pitot shaft as a guide by partially inserting it into the gauge-port end (put it in the wrong way). Through the air vent, position the splashguard over the pitot shaft and firmly press it against the interior wall of the Hose Monster.
- Insert the new pitot about half way in the handle side of the Hose Monster. Remove the white backing from the remaining splashguard. Through the air vent, slide it onto the pitot and over the pickup tube. Insert the new pitot completely and press the splashguard in place.
- Position the groove in the new pitot in the center of the locking plate bracket.
- Rotate the handle 45 degrees so that it is in approximately the 4 O'clock position.
- Tighten the setscrew until the pitot feels locked. (**DO NOT OVER TIGHTEN**)
- Loosen the setscrew 3/8 turn until the pitot rotates freely but still snaps into place in the upstream and downstream positions.
- Insert locking pin.
- Occasionally a misalignment will occur, not allowing the locking pin to insert. This can be remedied by drilling through the locking block with a 1/8” drill bit.



Splash guard aligned using pitot shaft.