

PITOT REBUILD KIT

USER GUIDE

Item#: HMPR

OVERVIEW

The Pitot Rebuild Kit is our repair service for pitots that become damaged by flowing debris in the 2 1/2" Hose Monster. The kit includes a refurbished pitot, splash guards, and internal components.



COMPONENTS

- 1) 1 - refurbished pitot
- 2) 2 - splash guards
- 3) 1 - pin, spring, ball and set screw
- 4) 1 - locking pin and chain

REMOVING THE OLD PITOT

- 1) Stand your 2 1/2" Hose Monster on a flat surface on the discharge end so that the pitot handle is on top.
- 2) Insert a 1/8" hex wrench into the setscrew located on the downstream side of the pitot locking plate bracket.
- 3) 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.
- 4) Remove the old pitot and old splash guards. Be careful not to lose the ball bearing, spring, and pin. You may use a magnet to collect the ball bearing, spring and pin.
- 5) Clean the area inside the Hose Monster body where the new adhesive backed splash guards will make contact. Sandpaper or steel wool is recommended.
- 6) Clean debris around locking plate.



INSTALLING THE NEW PITOT

- 7) Position the gauge-connecting end of the new pitot toward the inlet. Insert the new pitot halfway in.
- 8) Remove backing of the splash guards and slide both of the splash guards over the new pitot with the adhesive side against the inlet pipe.
- 9) Insert the new pitot completely.
- 10) Lay unit flat on surface.
- 11) Insert new ball, pin, spring, and setscrew. A small dab of grease before the setscrew is installed is recommended.
- 12) Locate the groove in the new pitot in the center of the locking plate.
- 13) Turn the handle 45 deg. The handle will be at approximately the 4 o'clock position.
- 14) Tighten the setscrew until the pitot feels locked. (DO NOT OVER TIGHTEN)
- 15) Loosen the setscrew 1/4 turn.
- 16) Insert locking pin.
- 17) If the locking pin is tight or does not insert into the hole freely, use a drill with a 1/8" drill bit to ream the pin hole.