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REMCO SUPPORT DOCUMENT

Title: Adjusting pressure control Bypass and Demand

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PURPOSE: Instructions on adjusting Remco pumps pressure control applicable to Bypass and Demand (pressure switch) only. **Dual control, Smooth-Flo and Smart Pumps cannot be adjusted in the field.** Please contact Remco for instructions on those models 763-253-4740 or sales@remcoindustries.com

- **Note:** All Remco Pumps are factory tested and factory set. Please refer to the pumps label to indicate factory pressure setting (i.e. Pressure Setting: 60 PSI)

TOOLS:

- 1/16th hex key used on all Demand (pressure switch) pumps and 3300 Series Bypass pump
- 3/32nd hex key used on Bypass Pumps (3200, 5500, and Fatboy Series)

PROCEDURE:

1. Select the correct size hex key for your pump if you are unsure which pump you have please contact Remco 763-253-4740 or sales@remcoindustries.com
2. Locate the adjustable set screw on either the pressure switch or bypass area on the face of the pump
3. Adjusting the Pressure Switch until proper operation & eliminating rapid cycling
 - a. Adjusting a pressure switch is typically done to eliminate rapid cycling. **Rapid cycling will shorten pressure switch life if not eliminated**
 - b. If your pump is cycling, using the 1/16th hex key turn the set screw clockwise in 1/2 turn increments until cycling stops.
 - i. **DO NOT EXCEED 3 FULL TURNS** – Remco Pressure switch springs have pressure limitations if adjusted beyond those limitations system or pump damage can occur
 - c. If your pump is not cycling but is turning off at a pressure that is too high for your system using the 1/16th hex key turn the pressure switch set screw counter-clockwise in 1/2 turn increments to lower the shut off pressure. **Note:** lowering the shut off pressure can make your pump more prone to cycling
 - i. **DO NOT EXCEED 3 FULL TURNS** - Remco pressure switch springs have pressure limitations if adjusted beyond those limitations system or pump damage can occur
4. Adjusting the Full Bypass pressure
 - a. Typically, a bypass is adjusted to increase flow rate at higher pressures.
 - b. Remco pumps are factory set to full bypass (i.e. 60 PSI bypassing full flow while pump is dead headed) but the bypass does have a cracking pressure 20-25 PSI below this setting. Once bypass is cracked some flow will be diverted over the bypass decreasing flow at the top of the flow curve
 - c. Using the proper hex key (3/32nd = 3200, 5500, and Fatboy or 1/16th = 3300 series) turn the set screw clockwise to increase full bypass pressure or counter-clockwise to lower full bypass pressure
 - i. **DO NOT EXCEED 3 FULL TURNS** – Remco bypass springs have pressure limitations if adjusted beyond those limitations system or pump damage can occur

IF YOU HAVE QUESTIONS REGARDING THIS SUPPORT DOCUMENT PLEASE CONTACT REMCO 763-253-4740 OR
SALES@REMCOINDUSTRIES.COM