



Installation Instructions

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ADJUSTABLE PRESSURE REGULATOR KIT

Part # 405183



PACKING LIST

- | | |
|--|--|
| <input type="checkbox"/> (1) #203490 Spring | <input type="checkbox"/> (1) #952000 3/8-24 Nut |
| <input type="checkbox"/> (1) #203186 Spring Seat | <input type="checkbox"/> (1) #951125 10-32 x 1/4 Set Screw |
| <input type="checkbox"/> (1) #203184 Adjuster | <input type="checkbox"/> (1) #405128 Spring Seat |
| <input type="checkbox"/> (1) #951111
3/8-24 x 1 1/2 Set Screw | <input type="checkbox"/> (1) #405183-I Instruction Sheet |

Packed By: _____

INSTALLATION

Step 1: Remove OEM boost valve & sleeve assembly by first removing the retaining snap ring.

CAUTION: This assembly is loaded and is under pressure so use caution when removing!

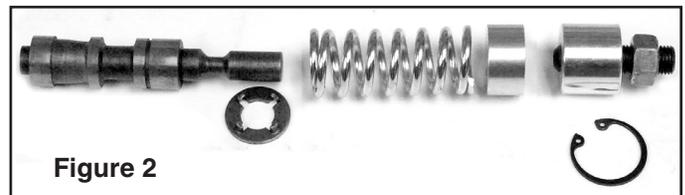
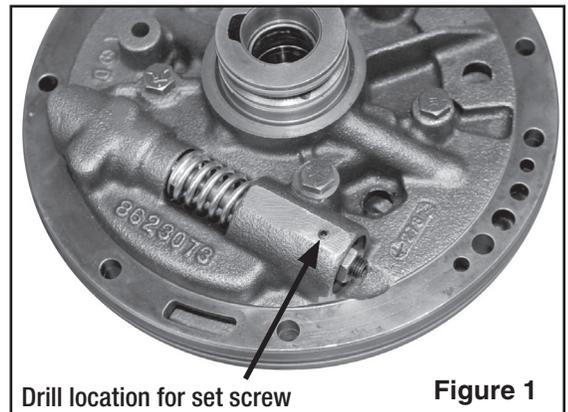
Step 2: Discard the OEM spring and horseshoe clip.

Step 3: Drill a hole in the pump half and tap it for the 10-32 set screw as shown in Figure 1. This should be about 1/2" back from the snap ring location. Clean out all the debris and make sure there is no burr on the inner diameter.

Step 4: Install the provided spring and assembly in the order shown in Figure 2. The flat end of the Spring Seat goes in after the spring. Next is the adjuster and stud. Carefully compress the assembly and install the retaining snap ring.

Note: The OEM metal spring seat needs modifying to fit the spring. Tabs must be pushed in slightly to fit the inner diameter of the provided spring.

Step 5: Install the set screw as an added safety. This is not necessary but is recommended.



TO SET UP THE ADJUSTER

Hold the adjuster and the spring seat together and turn the stud into the adjuster until you feel the seat move. Back it up until it is flush again. At this point, it is at zero. You can increase the pressure by turning the stud farther in to the seat and hence, compressing the spring.

Three turns should give you approximately 275 psi depending on the condition of the pump used. Results will vary. **ATI highly recommends checking the line pressure both before and after the install to ensure desired pressure is achieved.**

OEM cases should not be set over 210 psi unless an additional intermediate lug clutch snap ring support is used. Case damage will certainly occur if this is not done.

CAUTION: If reverse boost pressure is needed, you must drill an 1/8" diameter hole in part # 203186 (as shown).

