

# Part #: PJDI077

(Replacement for Part #: EDDI017)



## DI520 - 7GPM Injection Seal Kit

**DI520**  
1:20 to 1:5  
5% to 20%

### KIT CONTENTS:

- 1 - **8PJ056** Check valve assembly
- 1 - **8J037** Lower injection stem o-ring
- 1 - **JDI008** Injection stem o-ring
- 1 - **JDI073** Check ball seal
- 1 - **JDI072** Larger plunger seal
- 1 - **JDI017** Smaller plunger seal
- 1 - **20J018** Small plunger o-ring
- 1 - **J001** Injection seal
- 1 - **JDI074** Injection sleeve o-ring
- 1 - **8M029** Plunger check ball

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for maintenance!  
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## DI520 Seal Kit Instructions *(Blue part number denotes it is part of the kit)*

1. Unscrew the metal clamp and remove the suction hose.
  2. Unscrew check valve nut (8P100), remove check valve assembly (**8PJ056**) and discard.
  3. Remove the split ring (8P099), unscrew the adjusting nut (PDI402) from injection sleeve assembly (PJDI057). With the help of small flat screwdriver, remove key (8P098) from the lower side of the injection sleeve assembly (PJDI057), and pull out injection stem assembly (PJDI056). Replace the injection stem o-ring (**JDI008**) and lower stem o-ring (**8J037**).
  4. From the inside part of the injection sleeve assembly (PJDI057), unscrew white nut (PDI398), remove plunger check ball seal (**JDI073**) and ball bearing (8M029). Using 6MM Allen wrench, remove Allen screw (MDI258). Pull out plunger assembly (PJDI055), replace larger plunger seal (**JDI072**), smaller plunger seal (**JDI017**), and small plunger o-ring (**20J018**). Unscrew injection sleeve assembly (PJDI057).
  5. With the help of a needle nose pliers, unscrew the top retainer nut (PDI050) from the top of the injection sleeve (PJDI057). Replace the injection seal (**J001**) making sure the raised part is facing up. Replace the injection sleeve o-ring (**JDI074**) and thread injection sleeve assembly (PJDI057) back on.
  6. Insert plunger assembly (PJDI055) into sleeve assembly (PJDI057), apply 1 drop of Loctite on Allen screw (MDI258), then tighten the screw, insert ball bearing (**8M029**), insert new ball bearing seal (**JDI073**) and thread white nut (PDI398) into plunger assembly.
  7. Insert injection stem assembly (PJDI056) into sleeve assembly (PJDI057), making sure the hole in the lower part of the sleeve matches the one in the injection stem and place key (8P098). Screw the adjusting nut (PDI402) onto the injection sleeve assembly (PJDI057) until it reaches the top of the scale. Reinstall the split ring (8P099).
  8. Insert upper portion of check valve assembly (**8PJ056**) into injection stem assembly, place check valve barb into check valve nut (8P100) and thread back onto injection stem assembly.
  9. Slide metal clamp onto suction hose, reattached suction hose onto check valve barb, and tighten the metal clamp.
- \*\*DO NOT FORGET TO RESET YOUR INJECTION RATE TO THE PROPER RATIO\*\***

