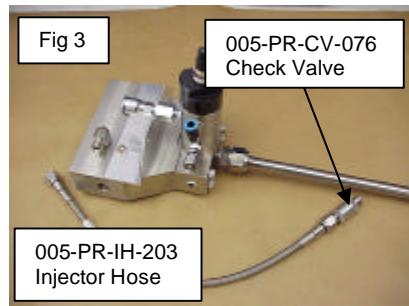
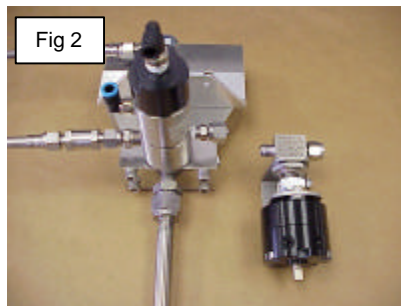
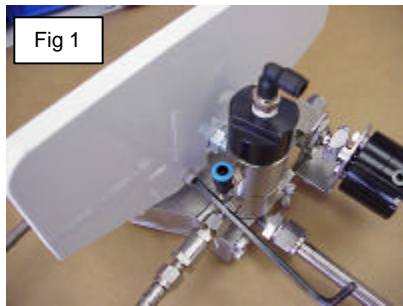


Catalyst Injector Valve Rebuilding Procedures

NOTE: A Line Flush should be done prior to rebuilding the Injector Valve.
 It is not necessary to remove the Mix Manifold assembly. It is removed in photo Figs below for illustration purposes only.

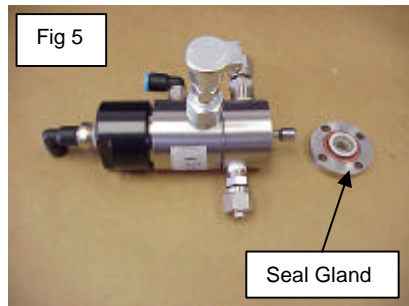
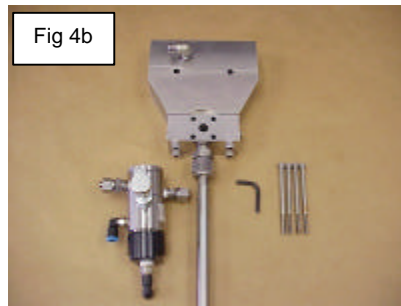
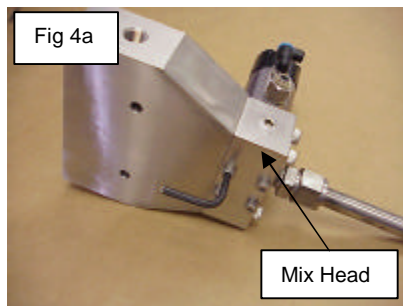
- Remove Cup Holder with a 3/16 hex wrench to remove ¼-28x½” SHCS. Fig 1
- Remove the Solvent Dump Valve with a 9/16 wrench. Fig 2
- Remove the Catalyst/Check Valve Hose assembly with a 9/16 wrench. Fig 3



Inspect the Injector Hose and Check Valve for any obstructions. Clean solvent (not water) or air can be used for testing. Make sure the Check Valve does not leak when back flow pressurized. If the check valve does not seal, take it apart and clean out the contaminants, reassemble, and retest.

- Note 1:** When reinstalling the Check Valve, make sure the flow arrow is pointing towards the injector valve.
- Note 2:** If the Hose is plugged with cured catalyst, also check the Manifold Block, Fittings, and Ratio Check Valve for obstructions.

- Remove the Injector Valve from the Mix Head using a 5/32 hex wrench (special short wrench supplied with the Seal Kit) to remove 4 x 10-24 x 3” SHCS. Fig 4
- Remove the Seal Gland. Fig 5



Page 2

Remove the Inlet Block.

Remove the black anodized Air Cap from the Valve Body.

Remove the Spool/Piston assembly from the Valve Body.

Fig 6

Fig 7

Fig 8



Fig 6 Inlet Block



Fig 7 Air Cap



Fig 8a Push Out Spool



Fig 8b Spool removed

Remove and replace the Piston U-Cup - Kit item 4. U-Cup must be installed with the open cup facing away from the spool.

Fig 9

Remove and replace the white and black Spool O-rings – Kit items 8 & 10.

Fig 10

Remove and replace the Valve Body red O-ring – Kit item 14.

Fig 11

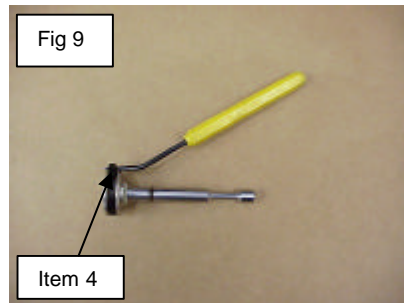


Fig 9

Item 4

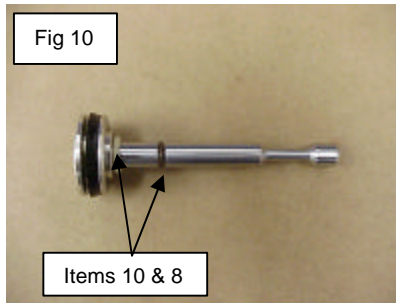


Fig 10

Items 10 & 8

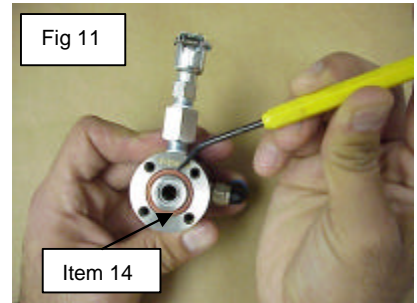


Fig 11

Item 14

Remove and replace the Valve Body Lip Seal – Kit item 15.

Fig 12

Remove and replace the Air Cap Gasket and O-ring – Kit items 3 & 21.

Fig 13

(Air Cap Gasket & O-ring might not need replacing, use discretion)

Remove and replace the Seal Gland O-Rings and Lip Seals

Kit Items 14 & 15.

Fig 14

Note: Make sure the Lip Seals are installed with the spring cup facing up.

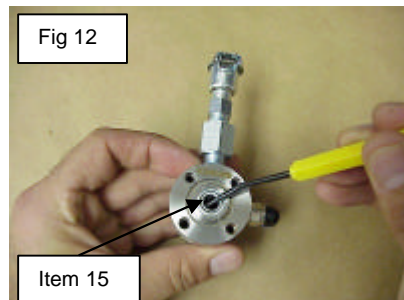


Fig 12

Item 15

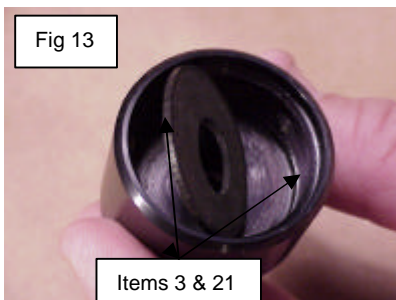


Fig 13

Items 3 & 21

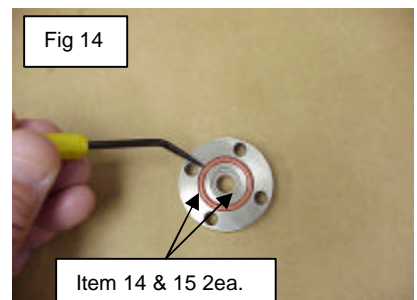


Fig 14

Item 14 & 15 2ea.

Page 3

Apply air tool oil to the Spool/Piston assembly and inside the air cylinder bore of the Valve Body. Install the Spool/Piston assembly into the Valve Body until the U-Cup Piston is inside the air cylinder.

Fig 15

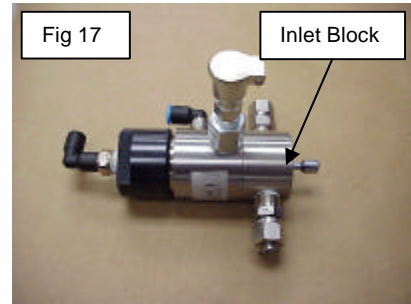
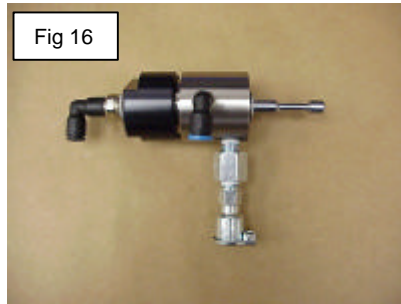
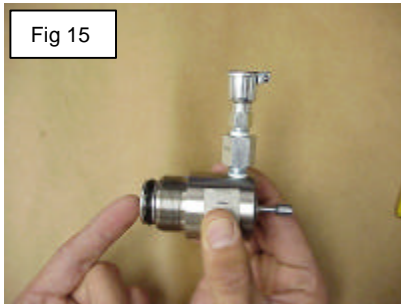
Install the Black Air Cap to the Valve Body and tighten by hand.

Fig 16

Install the Inlet Block to the Valve Body.

Fig 17

Note: Make sure the Oil Cup is vertical (perpendicular) between the Inlet Block ports.



Install the Seal Gland to the Valve Body.

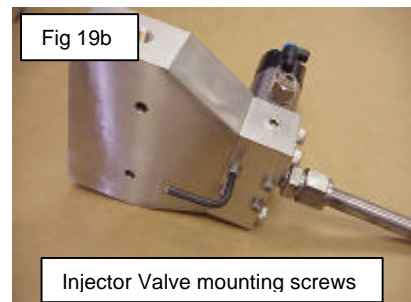
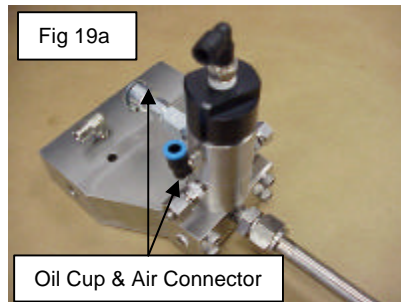
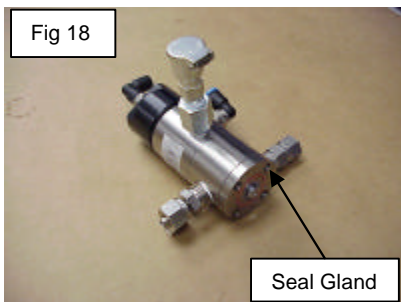
Fig 18

Note: Make sure the raised shoulder on the Seal Gland engages the counter bore in the Inlet Block.

Install the assembled Injector Valve onto the Mix Head using 4ea.

Fig 19

10-24 x 3"SHCS. **Note: The Oil Cup should be vertical and Air Connector on the left side as illustrated.**



Install the Solvent Dump Valve with 9/16 wrench.

Fig 20

Install the Catalyst/Check Valve Hose assembly with 9/16 wrench.

Fig 21

Install the Cup Holder.

Fig 22

