FasTest
Your Productivity Connection

Connector Maintenance:

- A daily, weekly and periodic inspection of the connector by competent person is recommended. User must establish a regular interval for maintenance as determined by the user media and operational environment.
- Inspection should include visual checks of the sealing area, collet wear, missing or loose components, leak tightness, ease of operation, sufficient lubrication, wear, dirt accumulation and damage.
- Establish a regular interval for lubrication. The media and environment will be determining factors in establishing this interval to prevent dryness and/or corrosion.
- Difficulty of operation after continual use indicates a need for lubrication or other maintenance.
- Use only original ***FasTest*** spare parts that are designed for the application and are subject to strict quality control. See Warranty.

Safety Warnings – Guidelines:

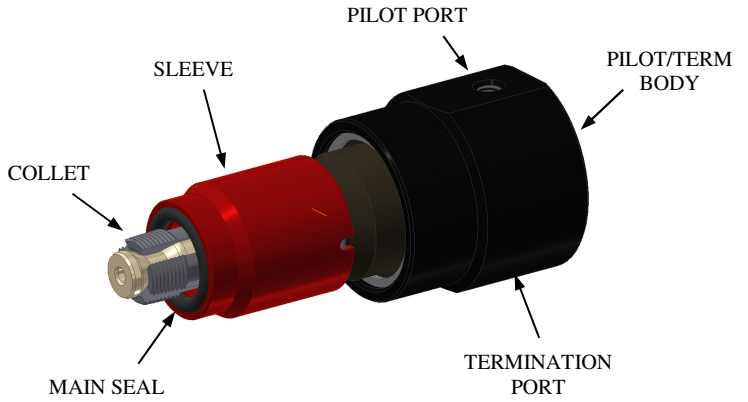
- If instructions are not completely understood by operator or components are missing, contact ***FasTest*** before attempting use of the connector.
- Application Safety: All ***FasTest*** products have been designed with safety in mind, however, it is the responsibility of the products users to design each process in such a way to avoid mishaps that can cause physical hazard or property loss. Secondary restraints such as safety chains, shields, cages or fixtures are all good choices depending on the application. ***FasTest*** can recommend or assist you in clarifying potential hazards of your application.
- ***FasTest ZGN*** Connectors are not internally valved, and will not prevent loss of media when disconnected. Do not attempt to disconnect unless safe conditions are met.
- ***FasTest ZGN*** Connectors must only be used with test pieces of a specific size as indicated by the part number. Improper use could cause separation of the connector from the test piece resulting in physical harm or damage.

FasTest, Inc. Product Warranty

FasTest, Inc. warrants its products against defects of workmanship and/or material for 1 year from the date of the sale by FasTest, Inc. This warranty is void if the product is misused, tampered with or used in a manner that is not in accordance with FasTest, Inc. recommendations and/or instructions. FasTest, Inc. is not liable for consequential or other damages including, but not limited to, loss, damage, personal injury, or any other expense directly or indirectly arising from the use of or inability to use its products either separately or in combination with other products. ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, WHETHER ORAL OR WRITTEN, INCLUDING BUT NOT LIMITED TO WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

Remedy under this warranty is limited to replacement of the product or an account credit in the amount of the original selling price, at the option on FasTest, Inc. All allegedly defective products must be returned prepaid transportation to FasTest, Inc. along with information describing the products performance, unless disposition in the field is authorized in writing by FasTest, Inc.

ZGNP Pneumatic Re-Build Instructions



ZGNP Connectors provide a reliable leak-tight connection that grips female threads and seals on part face. Simply insert male end of connector into threaded port, vent pilot pressure and apply termination pressure.

Please thoroughly read and understand these repair instructions prior to dis-assembling the connector.
Tools required are as follows:
Arbor Press, Arbor Tooling, Pilot Air, Sharp Pick, Small Flat Screwdriver. *Arbor tool must fit over flexed collets.*
Topics covered:

- Repair Kit/Re-Build Instructions
- Connector Maintenance
- Safety Warnings - Guidelines

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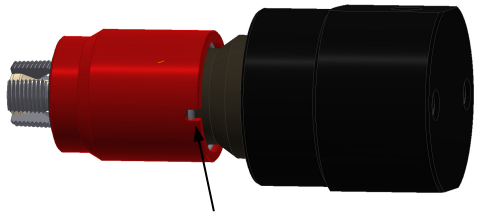
Repair Kit / Re-Build Instructions:

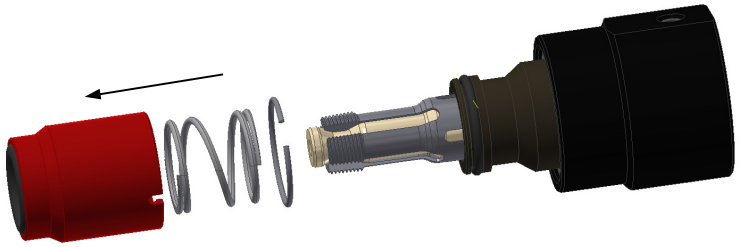
Dis-assembly

Note: Pilot pressure is required at different stages to dis-assemble connector.

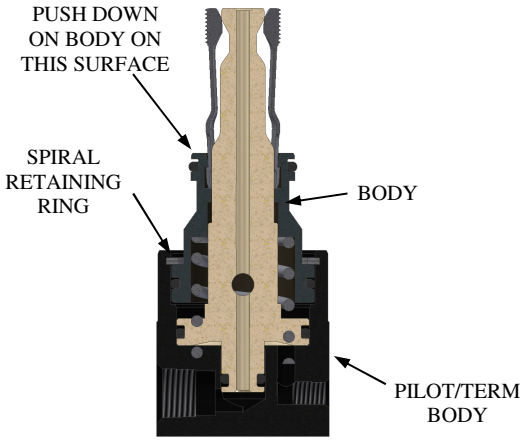
1. Using a sharp pick, remove the round retaining ring from sleeve. Find notch in sleeve, hook retaining ring with pick and remove. This step might be easier if arbor press is used to slightly compress the sleeve and remove retaining ring.

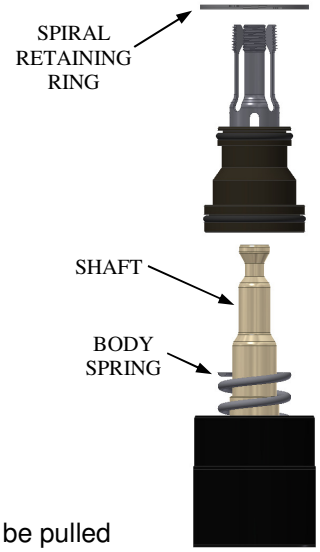


2. Apply pressure to the pilot port, this will move shaft forward and relax the collets. Remove sleeve, sleeve spring and retaining ring. Discard spring and retaining. Relieve/vent pilot pressure. MAIN SEAL KITS ARE SOLD SEPARTAELY.

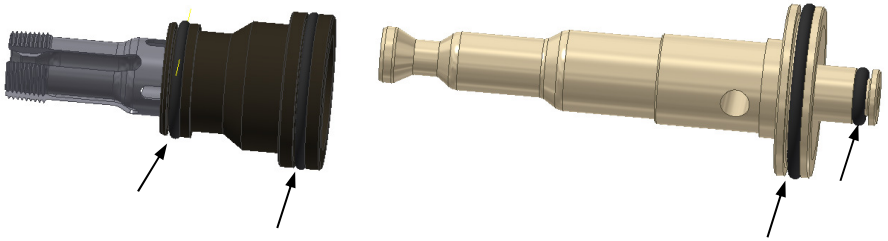


3. Stand the remaining assembly up into a vertical position. Using a sharp pick remove the spiral retaining ring. NOTE: THIS RETAINING RING IS UNDER SPRING FORCE. TO EASE THE REMOVAL OF THIS SPIRAL RETAINING RING USE ARBOR PRESS TO HOLD AND PUSH THE BODY DOWN BEFORE ATTEMPTING TO REMOVE SPIRAL RING.





4. Once the spiral ring is removed the body can be pulled from pilot/term body. Discard spiral ring and body spring.
5. Remove and discard o-rings from body.



6. Remove and discard o-rings from the shaft.
7. NOTE: COLLET AND BODY ARE A SNAP TOGETHER DESIGN. COLLET IS NOT REMOVABLE FROM THE BODY.

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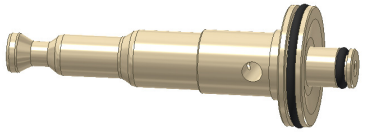
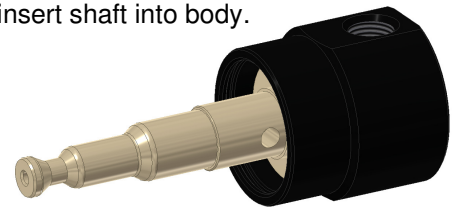
REBUILD INSTRUCTIONS

RE-ASSEMBLY:
Clean all parts prior to re-assembly.

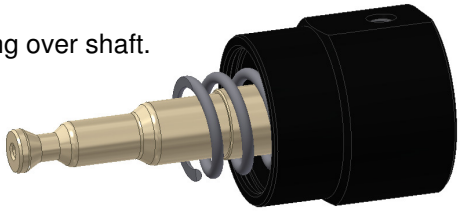
1. Starting with the shaft, lubricate applicable o-rings with silicone and install into o-ring grooves.



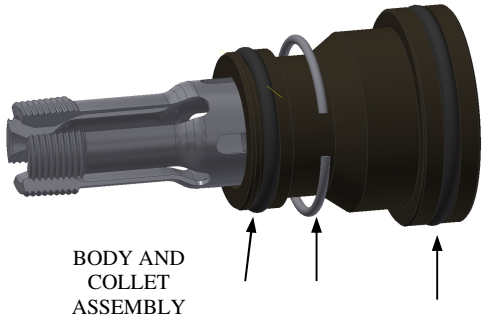
2. Apply a light amount of silicone lube to the internal surfaces of the pilot/term body and press/insert shaft into body.



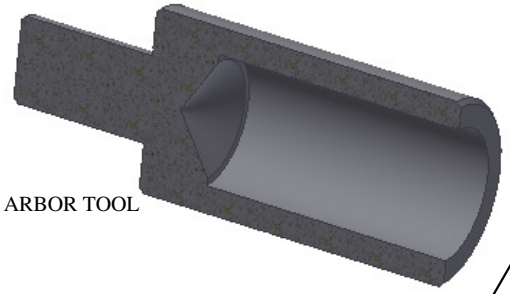
3. Place spring over shaft.

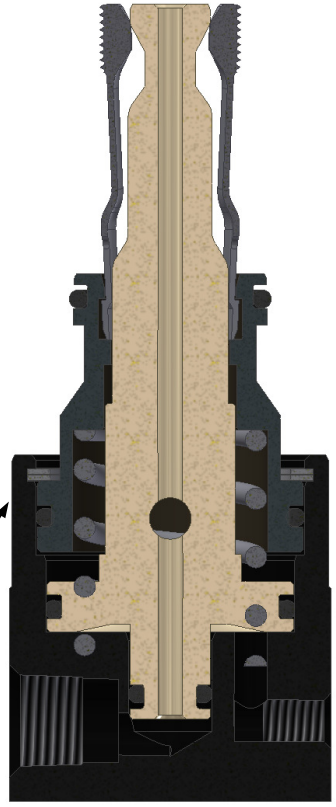


4. In this order, install round retaining ring to location shown then lubricate applicable o-rings with silicone and install into o-ring grooves on the body.

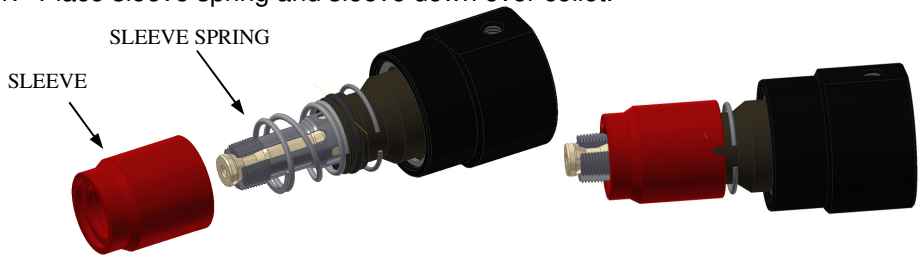


5. The following assembly step is a must to use an Arbor Press and an arbor sleeve type of tool. The body and collet assembly need to be installed and compressed onto the pilot/term body. The body must be compressed and held in the position shown to allow spiral ring installation.
6. Arbor sleeve tool would look something like this…the i.d. needs to fit over flexed collets and it needs to be deep enough not to contact the end of shaft.





7. Using a small flat screwdriver install the spiral retaining ring into groove.
8. Remove the assembly shown to the right from the arbor press.
9. Attach/install the pilot air supply.
10. Apply pilot air supply, this will move shaft forward and allow collets to collapse.
11. Place sleeve spring and sleeve down over collet.



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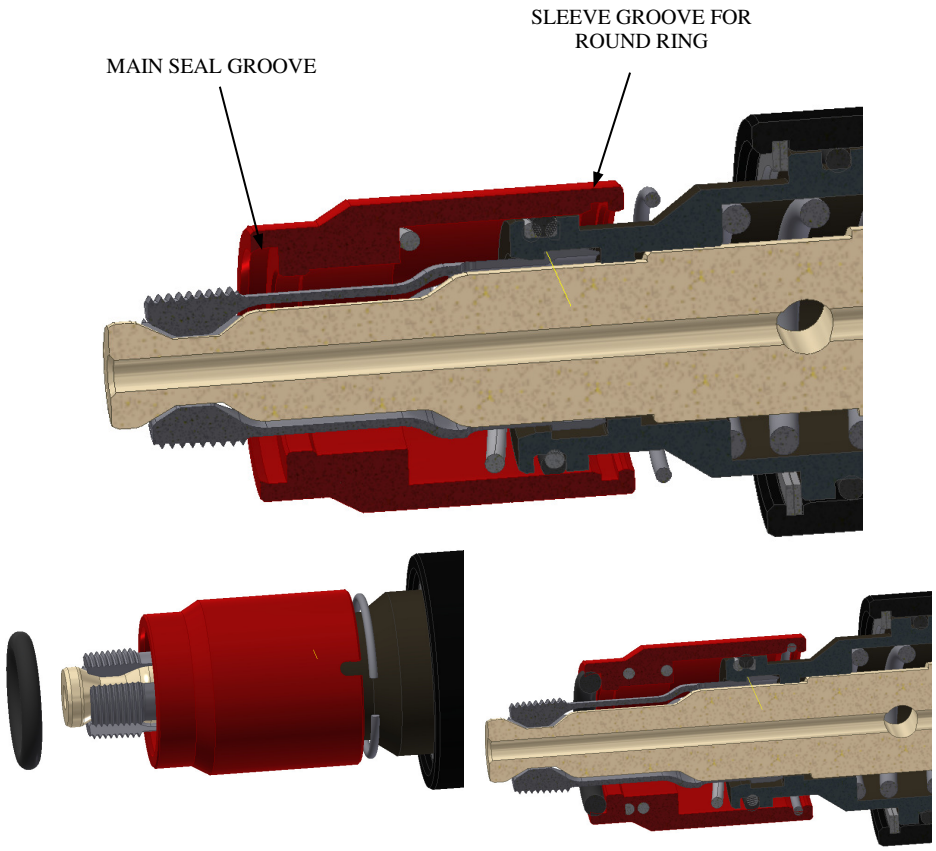
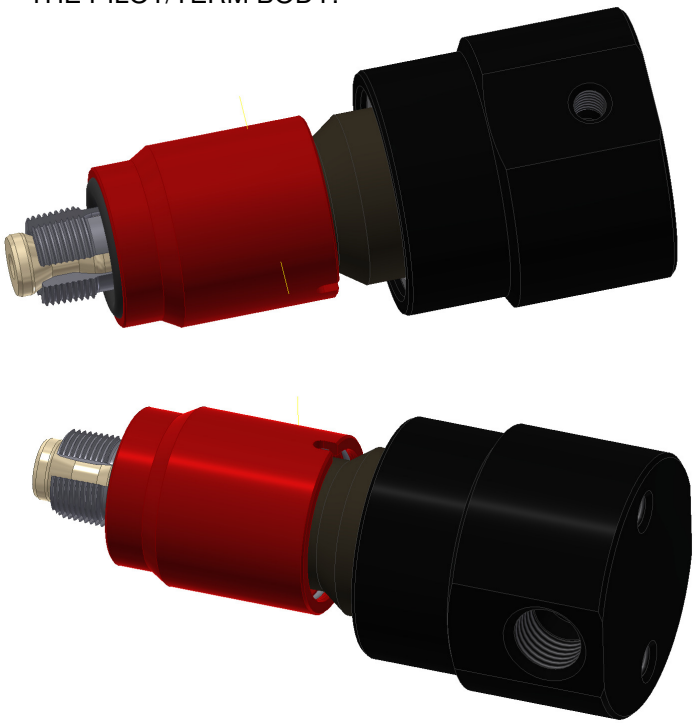
12. Before relieving/venting the pilot pressure install the main seal into the groove on the end of sleeve.
13. Install round retaining ring into the internal groove inside the sleeve. This step can be done with or without the use of an arbor press but it might be easier with arbor press. Using the arbor press will position the sleeve in an ideal position to get round ring started and into the sleeve groove.



14. Main seal and round ring installed.

15. Activate pilot pressure on and off several times to make sure connector functions properly.
16. Attach the termination supply to the termination port and put connector back into service.
17. NOTE: THE PILOT PORT IS THE SMALLER OF THE TWO PORTS ON THE PILOT/TERM BODY.



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