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:

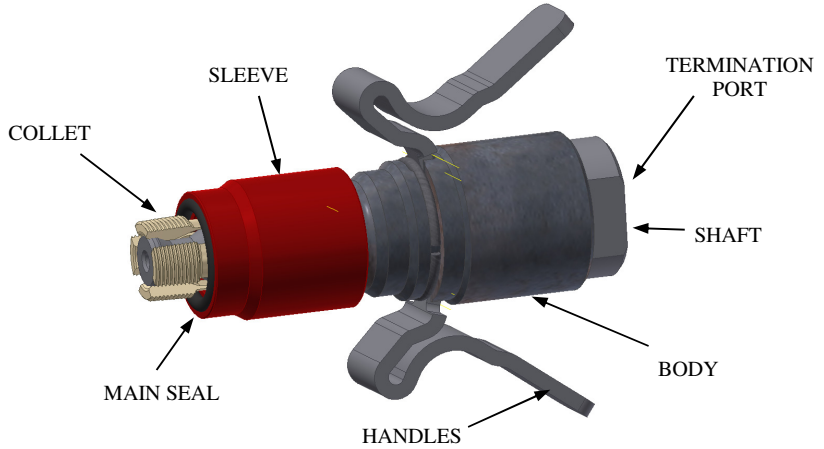
- If instructions are not completely understood by operator or components are missing, contact ***FasTest*** before attempting use of the connector.
- Application Safety: All ***FasTest*** products have been designed with safety in mind, however, it is the responsibility of the products users to design 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.

ZGNL Manual Re-Build Instructions



ZGN 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 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, 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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Ph: 1-800-444-2373
Fax: 651-645-7390
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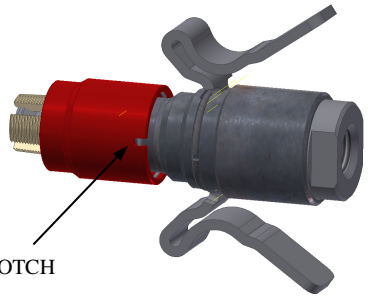
REBUILD INSTRUCTIONS

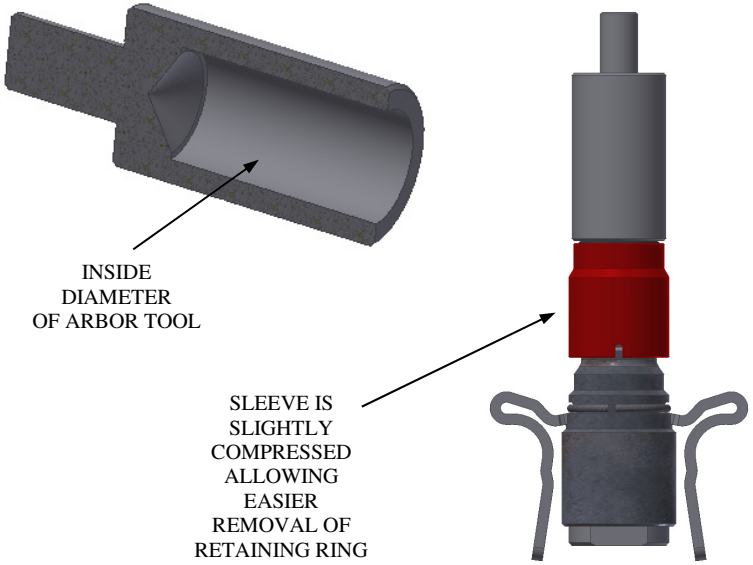
Repair Kit / Re-Build Instructions:

Dis-assembly

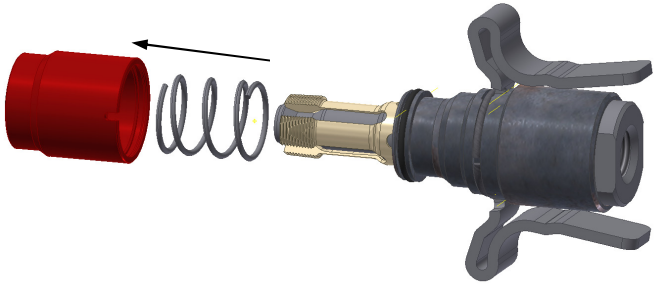
1. Using a sharp pick, remove the round retaining ring from sleeve. Find notch in sleeve, hook retaining ring with pick and remove. This step might be easier if arbor press is used. Use ARBOR AND ARBOR TOOL to slightly compress the sleeve and remove retaining ring. Discard retaining ring.



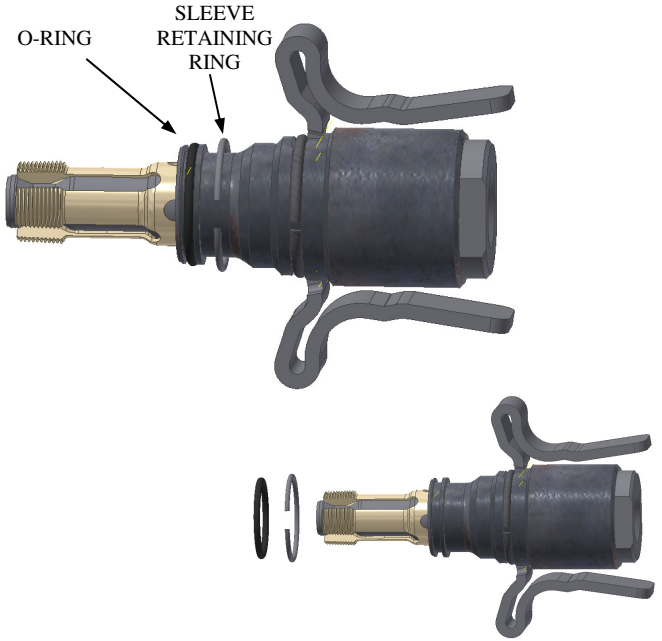
2. ARBOR TOOL EXAMPLE: INSIDE DIAMETER OF THE ARBOR TOOL MUST BE SLIGHTLY LARGER THEN FLEXED COLLETS.



3. Squeeze handles, this will move shaft forward and relax the collets. Remove/pull sleeve and sleeve spring. Discard spring. NOTE: MAIN SEAL KITS ARE SOLD SEPARTAELY.



4. Remove and discard o-ring and sleeve retaining ring.



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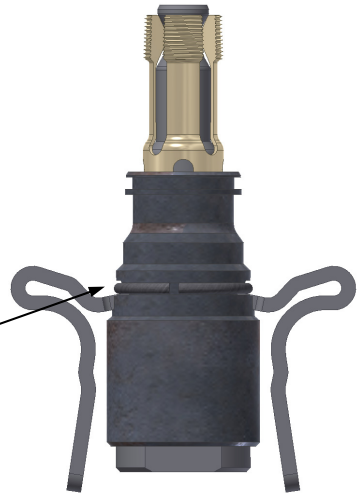
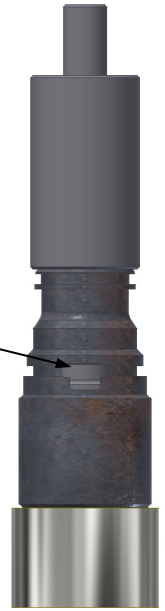
REBUILD INSTRUCTIONS

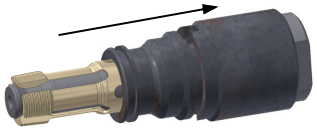
5. Next step is to remove the handle retaining ring. This can be done by hand or with the aid of the arbor press and arbor tool.
6. Squeeze handles, this will take forward pressure off of the retaining ring.
7. Using a small flat screwdriver or sharp tool, remove retaining ring from groove in body.



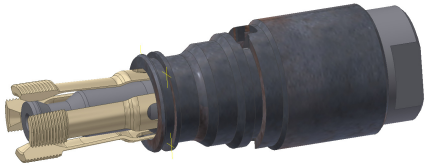


8. Arbor press and arbor tooling will help to position body and allow easier removal of the handles.
9. See example press tool that fits over flexed collets and shaft base tool that centers the shaft and stops the body in the best position to remove the handles from the slot in body.

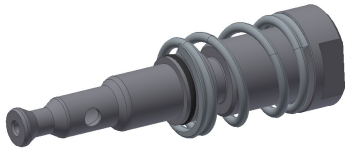
10. Remove shaft from body, push shaft in direction shown. Some pressure will be required because collets have to flex outward to allow shaft to be removed.



11. Collets will flex outward as shaft is pushed through.



12. Once the shaft is fully removed from body, remove spring and o-ring and discard them.



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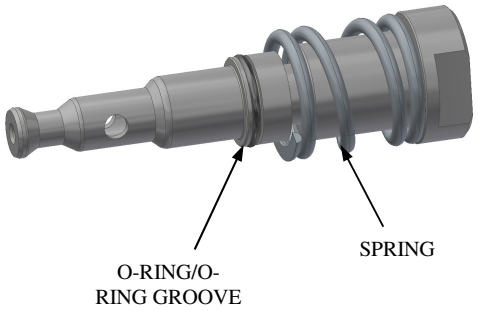
REBUILD INSTRUCTIONS

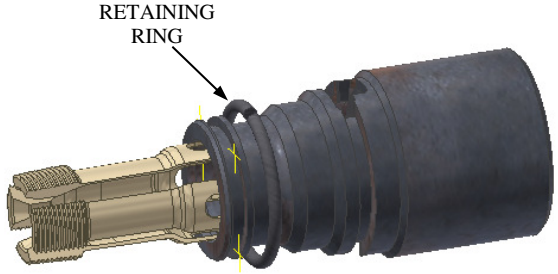
RE-ASSEMBLY:

Clean all parts prior to re-assembly.

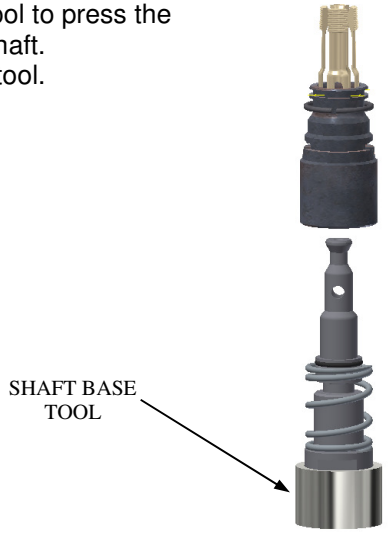
1. Starting with the shaft, slide spring down shaft to the shoulder. Lubricate the applicable new o-ring with silicone and install into o-ring groove on shaft. Then slide spring over shaft to shoulder.



2. Place handle retaining ring (larger of two retaining rings) onto body. This is a staging position prior to final installation.



3. Use the arbor press with arbor press tool to press the body/collet sub-assembly down over shaft.
4. Place shaft and spring into shaft base tool.



5. The body/collet assembly must be pressed far enough to install handles.
6. Install handles through slots in body. Widest slot in body needs to line up with groove in shaft to fully insert handles.
7. Raise the arbor press up slightly to capture each handle.

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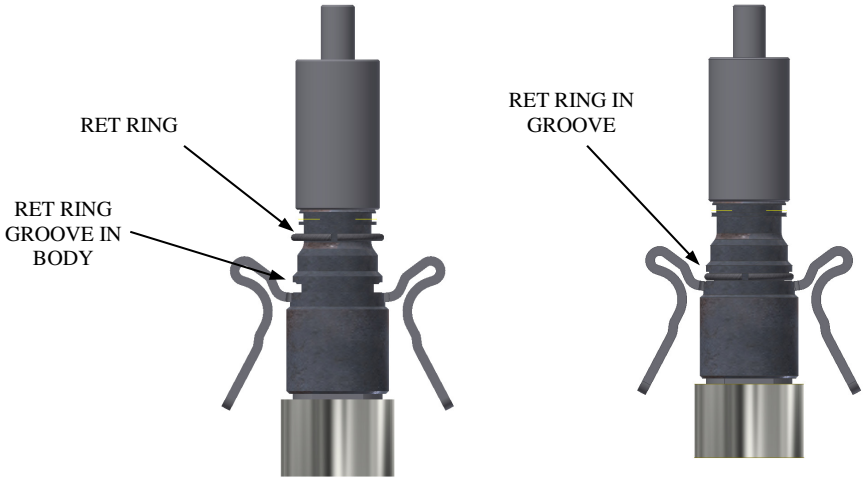
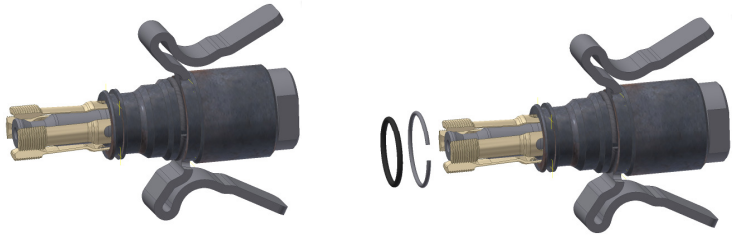
REBUILD INSTRUCTIONS

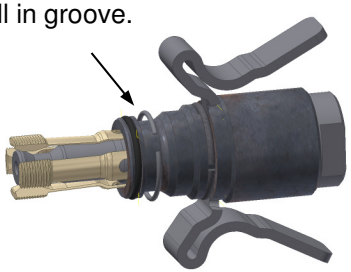
8. Using a small flat screwdriver install the spiral retaining ring into groove on body. This will capture the handles.



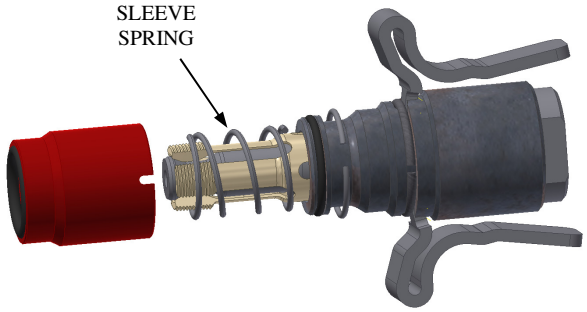
9. Remove the above sub-assembly from the arbor press.



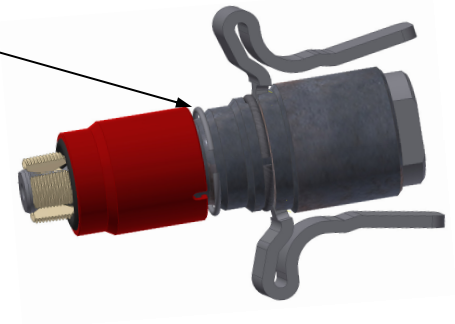
10. Install the new retaining ring onto body just pasted the o-ring groove. Lube new o-ring and install in groove.



11. Squeeze handles and install new sleeve spring over the relaxed collets.



12. Continue to squeeze handles and install sleeve over spring and gently work the sleeve over the body o-ring. NOTE: MAIN SEAL CAN REMAIN IN THE NOSE OF THE SLEEVE DURING THIS INSTALL.
13. Retaining ring will get pushed to location shown to the right.



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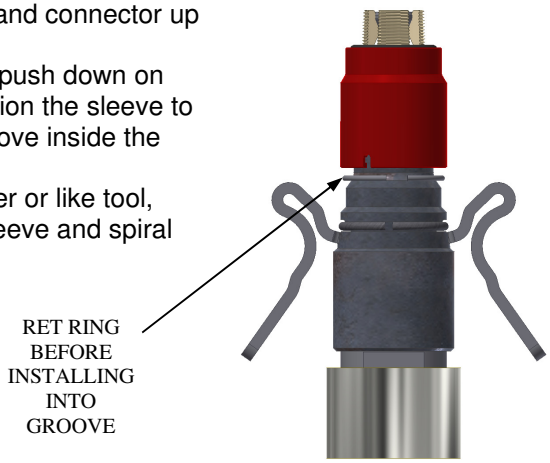
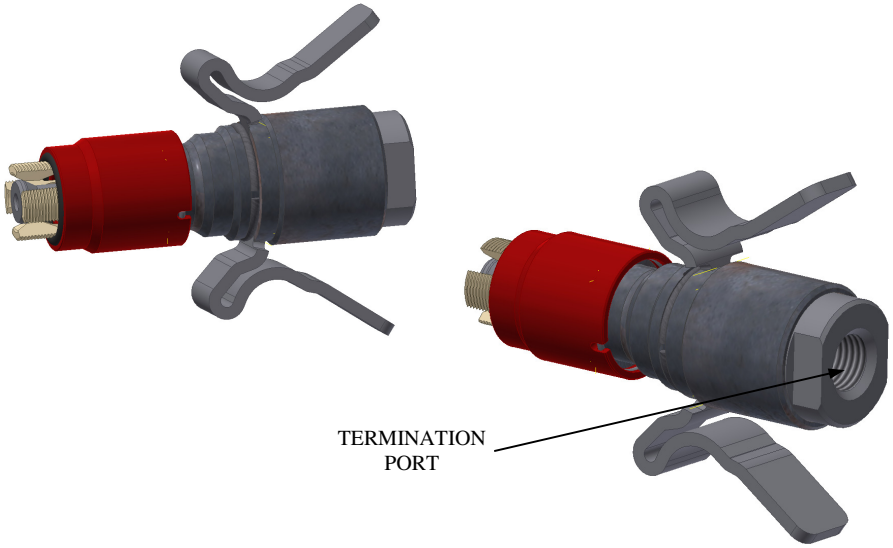
REBUILD INSTRUCTIONS

14. Release the handles and stand connector up on the shaft tool base.
15. Arbor press can be used to push down on sleeve, this will help to position the sleeve to install retaining ring into groove inside the sleeve.
16. Using a small flat screwdriver or like tool, push retaining ring under sleeve and spiral around and inside sleeve.



17. Remove from arbor press and squeeze handles several times to make sure connector functions as required.
18. Connect your media source back into termination port on connector.



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