

GZNV REPAIR KIT INSTRUCTIONS

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, handle 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 **FastTest** 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 **FastTest** before attempting use of the connector.
- Application Safety: All **FastTest** 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. **FastTest** can recommend or assist you in clarifying potential hazards of your application.
- **FastTest GZNV** Connectors are internally valved.
- **FastTest GZNV** 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.

FastTest, Inc. Product Warranty

FastTest, Inc. warrants its products against defects of workmanship and/or material for 1 year from the date of the sale by FastTest, Inc. This warranty is void if the product is misused, tampered with or used in a manner that is not in accordance with FastTest, Inc. recommendations and/or instructions. FastTest, 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.

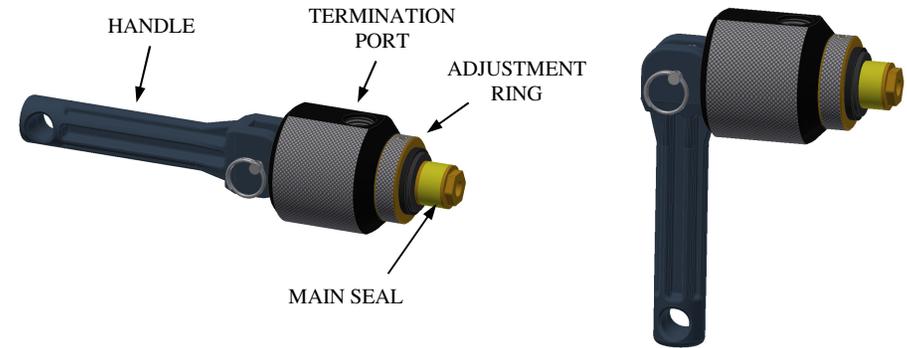
Remedy under this warranty is limited to replacement of the product or an account credit in the amount of the original selling price, at the option on FastTest, Inc. All allegedly defective products must be returned prepaid transportation to FastTest, Inc. along with information describing the products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

GZNV Lever Activated Connectors

Description: *GZNV Series Valved Connectors for Threaded Ports.*

Materials: *Non-Sparking Brass and Aluminum.*

Application: *Low Pressure Gas Appliances.*



GZNV Connectors provide a reliable leak-tight connection that grips threaded ports and seals on port face. Simply insert male end of connector into port and rotate handle to engage seal to port.

Please thoroughly read and understand these operating instructions prior to operating the connector. The use of pressurized media for sealing and testing requires a thorough understanding of the **FastTest GZNV** Operating Instructions.

- Installation
- Operation
- Seal Replacement
- Connector Maintenance
- Safety Warnings – Guidelines

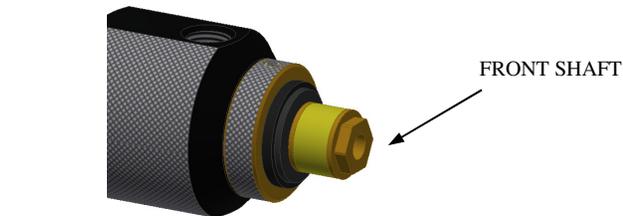
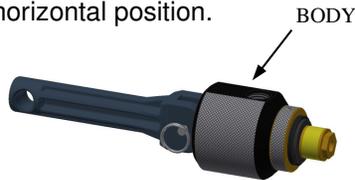
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Dis-assembly:

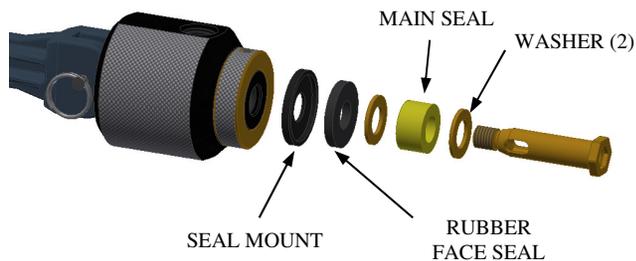
1. Disconnect fitting from termination port. Connector will be easier to handle during repairs.
2. Secure handle in horizontal position.



3. Using a 6 point socket or box end 6 point wrench, loosen and remove the front shaft. **Note: Shaft has been secured with Loctite 242 at the factory.**



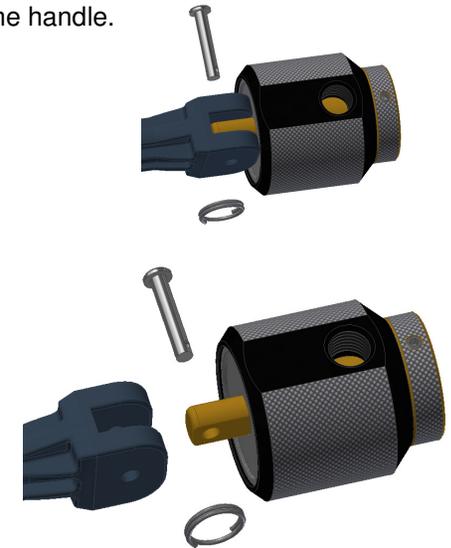
4. Remove shaft from body.
5. Remove all components on shaft.



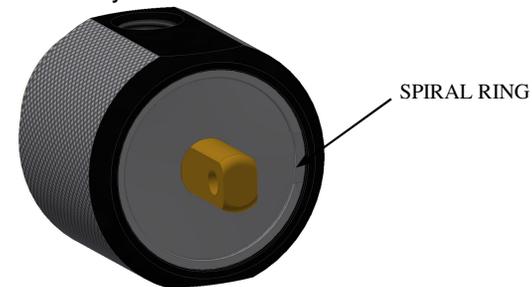
6. Discard seal mount and both washers.
7. Remove key ring and pull pin out of the handle.



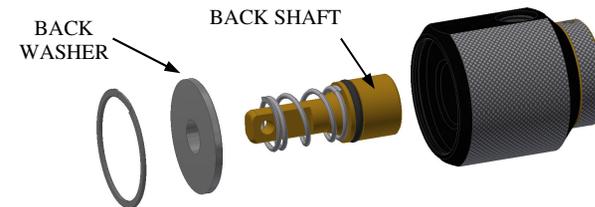
8. Remove handle from back shaft.



9. Using a small flat screwdriver or like tool, remove spiral retaining ring from body and discard.

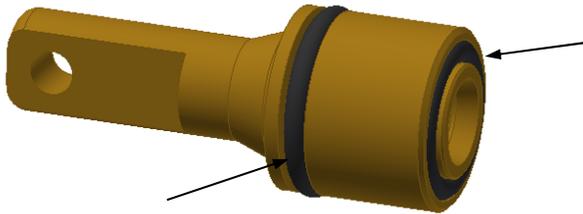


10. Remove back shaft, back washer and spring from body. Discard spring.

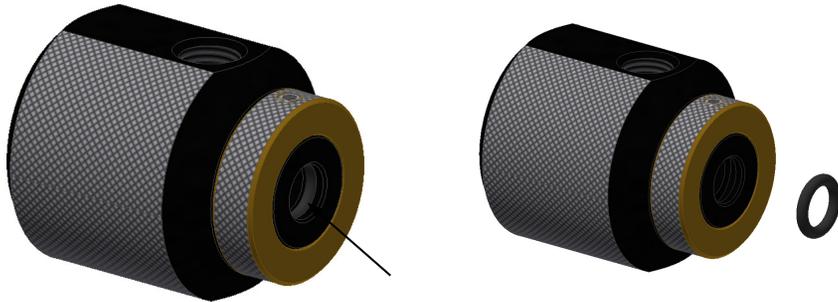


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11. Remove and discard both o-rings on back shaft.



12. Using a flat screwdriver or sharp pick, carefully remove o-ring inside the nose of the body. Avoid scratching the groove surfaces.



5. Install new spring onto back shaft.



6. Install back washer as shown. Compressing spring and washer until groove is exposed to install the new spiral retaining ring.



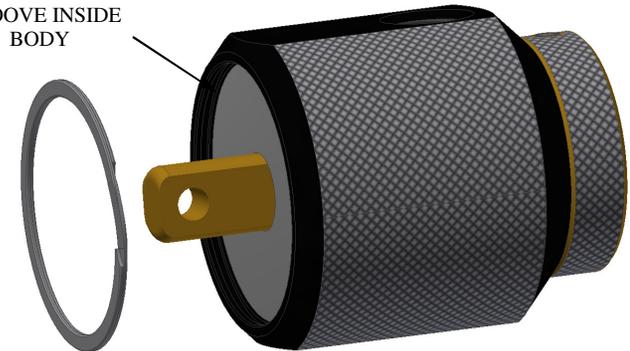
Re-assemble:

Prior to reassembly, clean all parts that will be reused.

1. Lube all o-rings with Vaseline.
2. Install new o-ring into the internal groove in body.
3. Install new o-rings onto the back shaft.
4. Install back shaft into the backside of body.



RETAINING RING
GROOVE INSIDE
BODY

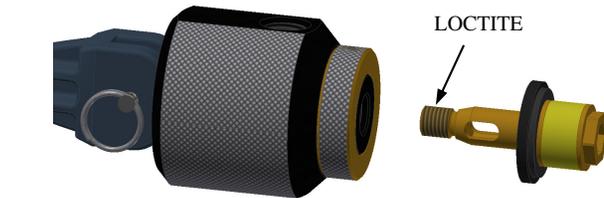
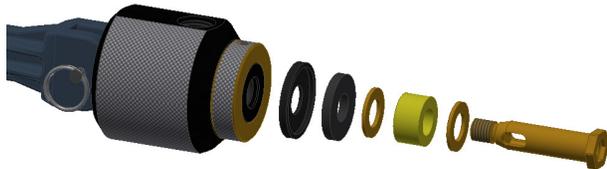


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7. Install handle, pin and key ring onto back shaft.



8. Load front shaft with new seal mount, brass washers and remaining used parts.



9. Apply one to two drops of Loctite 242 on the shaft threads.
10. With handle in the horizontal position, install shaft using 6 point socket or wrench.
11. Tighten until you feel a hard stop, components are brass, do not over-tighten.



12. Actuate handle several times.
13. Connect termination fitting to termination port.
14. Adjust the brass lock ring. Tighten set screw.



15. Put connector back into service.

NOTE: THE BETTER THE TOOLS YOU USE TO REPLACE SEALS THE LONGER THE SHAFT WILL LAST!

• CAUTION NOTES:

- CAUTION: The maximum rated pressure is stamped on the connector body. Before using, verify that this pressure rating is within your working pressures.
- WARNING: Tug on the connector to assure proper engagement and gripping before introduction of pressurized media.
- DO NOT force connector onto test port when connecting. If force is needed then either port is wrong size or connector is wrong size.
- DO NOT spin test piece or connector once lever has been rotated 90° degrees. This will ruin the main seal and face seal!