

OPERATING AND REBUILD INSTRUCTIONS for BEV

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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 **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 BEV** 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 BEV** 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.

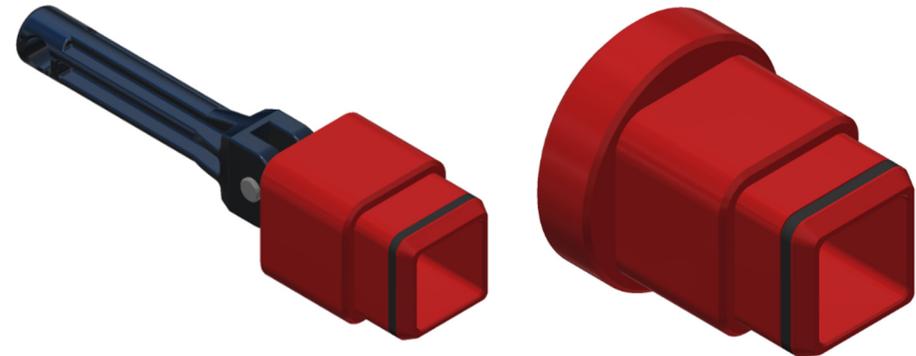
FasTest, Inc. Product Warranty

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.

BEV Series Connectors

Description: Handle and pneumatically actuated connectors for sealing electrical plugs.



Manual

Pneumatic

Please thoroughly read the instructions prior to operating the connector. This connector is designed to provide a safe, reliable leak-tight seal and connection when properly maintained and operated.

The connector is designed to mate with a specific application. Verify the application prior to the introduction of pressurized media. Use only in a safe environment.

Connectors are NOT designed for permanent connections and are for temporary connections only.

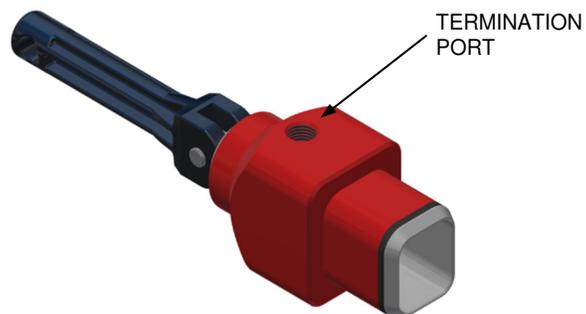
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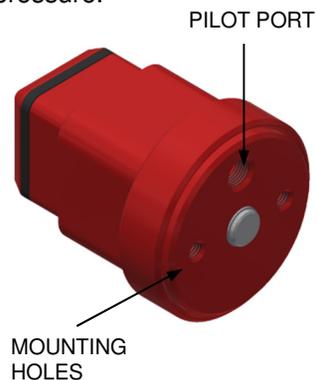
Installation: Manual

1. Connect media hose/fitting to the termination port on connector (if applicable).
 - a. Pipe tape and or thread sealant is recommended.



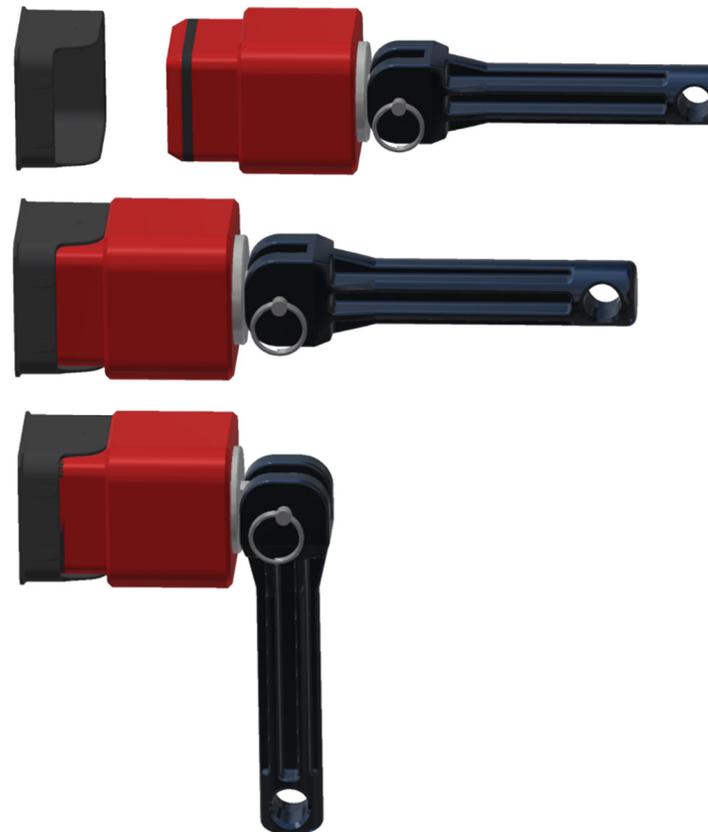
Pneumatic

1. Connect supply lines to the pilot port.
2. All BEV's have a 1/8 NPT pilot port.
3. 60 to 90 psi required for pilot pressure.
4. Mounting holes may vary depending on customer preference.



Operation: Manual and Pneumatic

1. Insert connector into test piece. Seal must be covered.
2. Cam over handle or apply pilot pressure to actuate seal.
3. Activate test pressure (if applicable).
4. Run test.
5. Relieve test pressure (if applicable).
6. Release handle or remove pilot pressure.



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Main Seal Replacement:

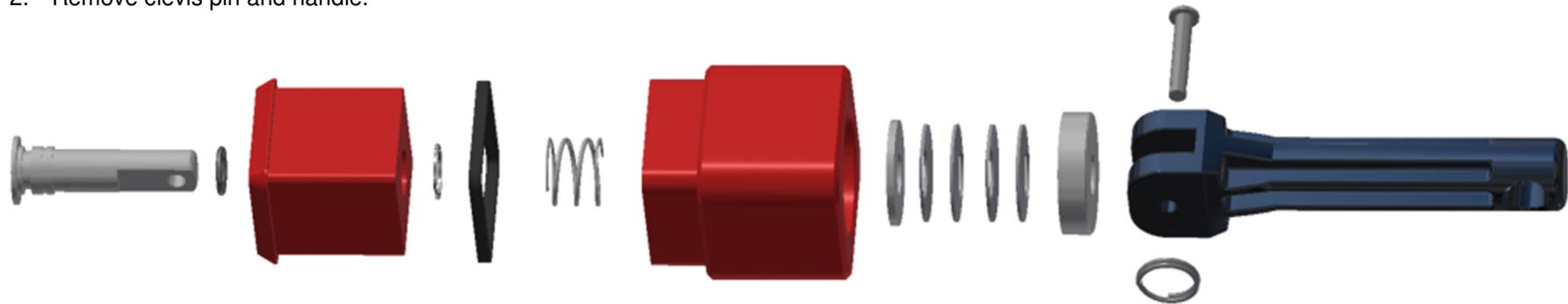
1. Using a pick like tool or small flat blade screwdriver, remove the main seal and discard.
2. Use caution not to scratch the main seal groove surfaces.



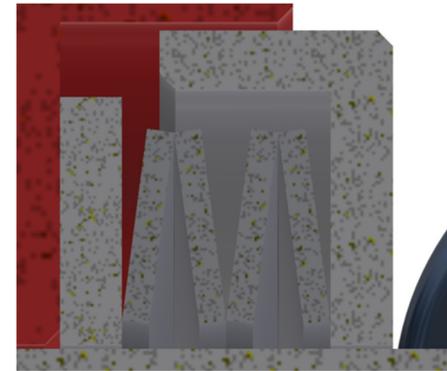
3. Install new main seal using your fingers or a non-marring tool. **DO NOT LUBRICATE NEW SEAL!**
4. Make sure main seal is properly seated.

Rebuild:
Manual

1. Using a pick like tool or small flat blade screwdriver, remove the split ring.
2. Remove clevis pin and handle.



3. Remove cupped washer, Belleville washers, and straight washer from shaft.
 - a. Note number and orientation of Belleville washers.
 - b. Incorrect placement of washers will change the amount of preload on the main seal and can cause a bad connection.
 - c. Example of 4 washers in an inverted stack.



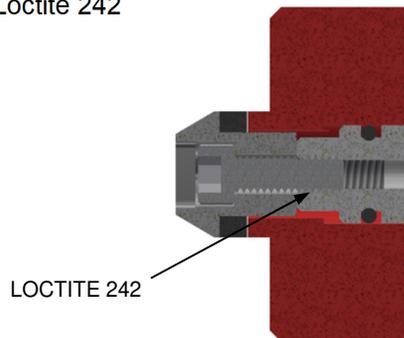
4. Slide body/shaft assembly out of housing.
5. Set spring(s) aside.
6. Remove clip on shaft and push the shaft out of the body.
7. Remove o-ring from shaft and discard.
8. Replace o-ring and lubricate with petroleum jelly.
9. Reassemble by reversing steps outlined above.

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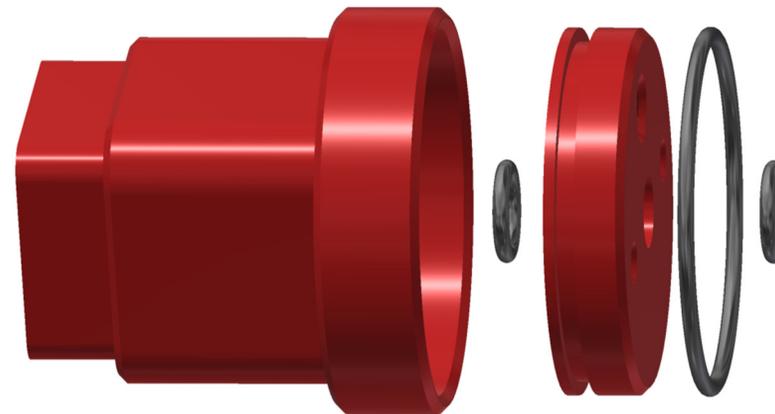
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10. Note: if tool has a bolt, apply Loctite 242 when reassembling.



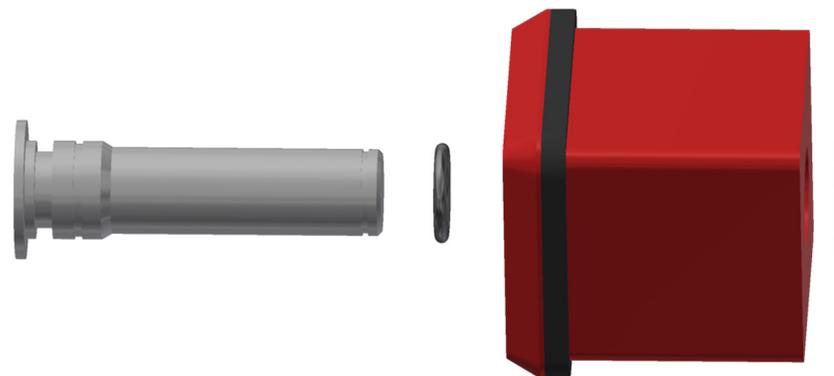
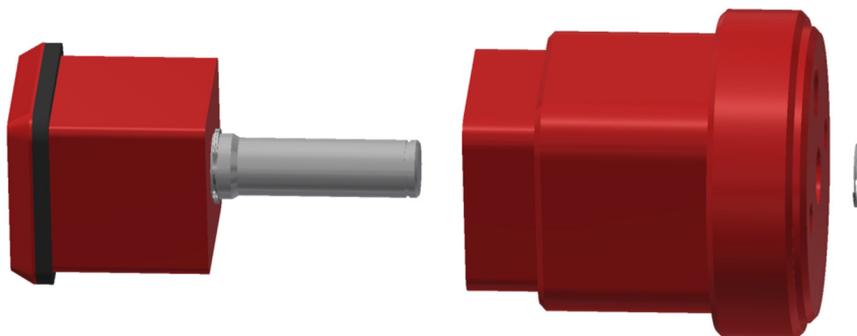
3. Remove piston from housing.
 - a. A short blast of air pressure applied to the pilot port can help.
4. Remove o-rings on piston and discard.



Pneumatic

1. Using a pick like tool or small flat blade screwdriver, remove the retaining ring.
2. Slide body/shaft assembly out of housing.

5. Remove clip on shaft and push the shaft out of the body.
6. Remove o-ring from shaft and discard.



7. Replace o-rings and lubricate all with petroleum jelly.
8. Reassemble by reversing steps outlined above.