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 KA*** Connectors ***are internally valved*** and will prevent loss of media when disconnected. Do not attempt to disconnect unless safe conditions are met.
- ***FasTest KA*** 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.

KA Series Connectors

Description: Handle actuated connectors for sealing CoreMax Cores. Non-Valved, Valved, Valved with Plug

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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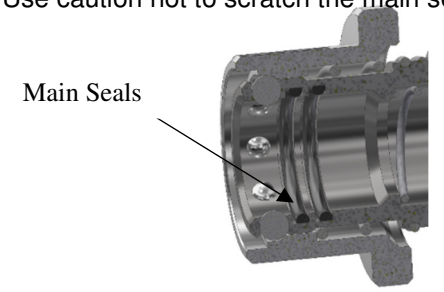
Tools Required:

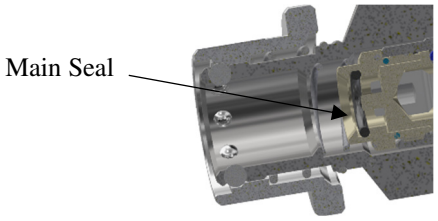
Small Flat Screwdriver, Pick Like Tool, Petroleum Jelly (Vaseline), and 5/8" Wrench or Socket.

Main Seal Replacement All Styles:

1. Using a pick like tool or small flat blade screwdriver, remove the main seal(s) and discard.
    a. KA connectors have two main seals located just inside from the balls.
2. Use caution not to scratch the main seal groove(s) surfaces.

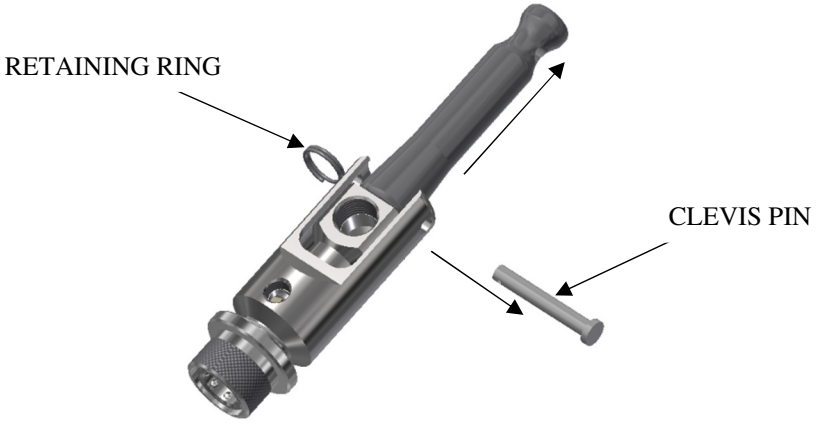


3. Install new main seal using your fingers or a non-marring tool. DO NOT LUBRICATE NEW SEAL!
4. Make sure main seal is properly seated.
5. For the KA04CMATconnector, the main seal is located in the piston cap. Rotate the plastic handle down to the connected position to bring the piston forward to ease the changing of the main seal.

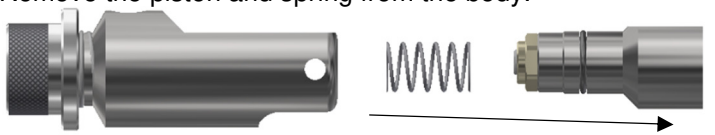


Rebuild: Use rebuild kit RKA04CMEV for KA04CMEV connectors, RKA04CMCH for KA04CMCH & RKA04CMAT for KA04CMAT connectors.

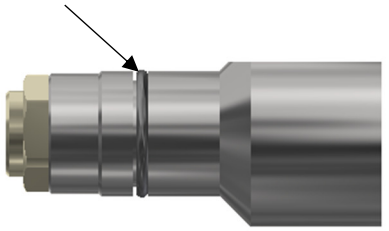
1. Remove the retaining ring, and clevis pin to remove the handle. Note: the handle is compressing a spring.



2. Remove the piston and spring from the body.



3. Using a pick like tool or small flat blade screwdriver remove the external O-ring on the piston assembly. Use caution not to scratch the seal groove.



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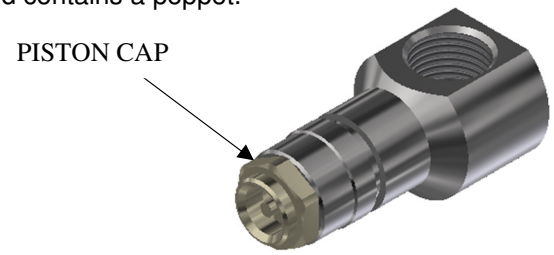
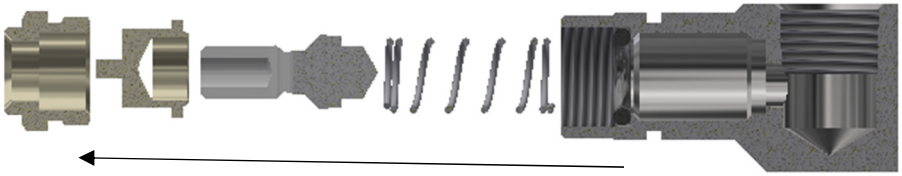
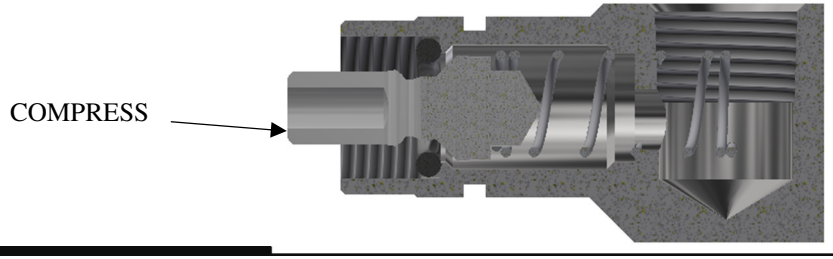
4. Using a 5/8” wrench unthread the piston cap from the piston assembly. Note: Piston cap on KA04CMEV is compressing a spring and contains a poppet.



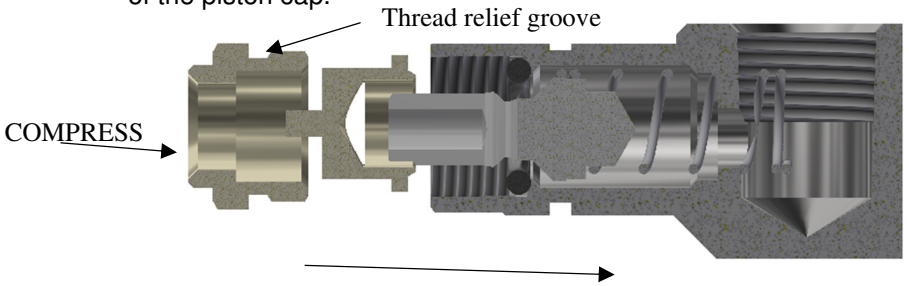
5. **The following steps apply to KA04CMEV & KA04CMAT connectors, skip to step 11 for KA04CMCH connectors.** Remove depressor ring, from piston body. The internal spring will remove the poppet and O-ring when decompressed.



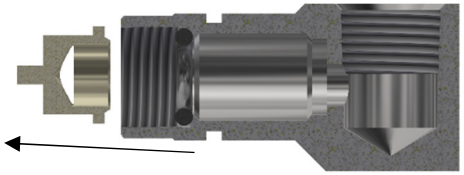
6. Lubricate O-ring with petroleum jelly.
7. Install the new internal spring and poppet into the piston body.
8. Compress poppet, and install O-ring into groove, maintain compression on the poppet to keep O-ring in place.



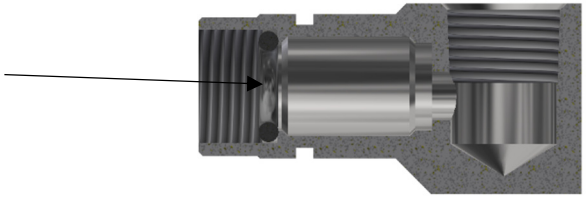
9. While maintaining compression carefully install depressor ring and begin to thread the piston cap onto piston body. The **KA04CMAT** connector has a small o-ring that is placed in the thread relief groove of the piston cap.



10. Torque piston cap to 8-10 ft/lbs. Do not use Loctite on piston threads.
11. **The following steps apply to KA04CMCH connectors, skip to step 15 for KA04CMEV connectors.** Remove the depressor ring from the piston body.



12. Using a pick like tool or flathead screwdriver, remove the O-ring from the groove. Use caution not to scratch the seal groove.



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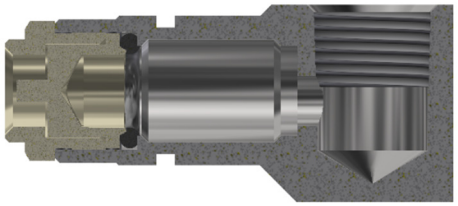
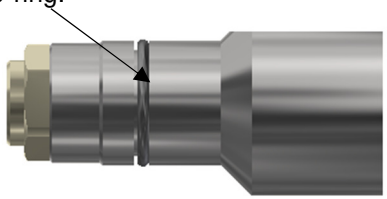
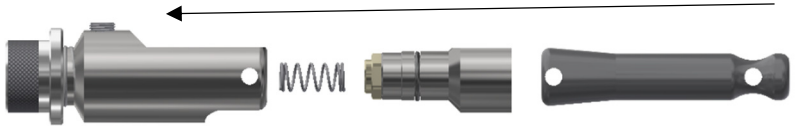
13. Lubricate O-ring with petroleum jelly and install into groove.
14. Install depressor ring, and thread piston cap onto piston body. Torque the piston cap to 8-10 ft/lbs. Do not use Loctite on piston threads.



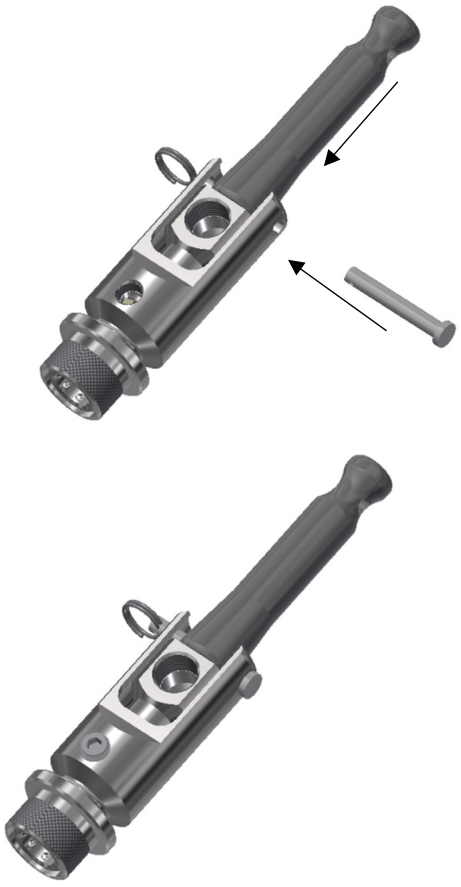
15. Lubricate external O-ring with petroleum jelly and install into external O-ring groove. The KA04CMAT connector utilizes a Teflon ring in this groove in place of an o-ring.



16. Install spring and piston assembly into piston body. Compress piston with handle.



17. While compressing the piston with the handle, install clevis pin followed by the retaining ring.



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