

REBUILD INSTRUCTIONS

MLL LuerMate Connector

Description: Re-build instructions for the low pressure LuerMate Connector.



MLL, LOW
PRESSURE
LUERMATE

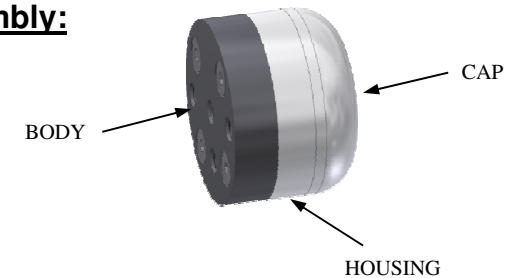
LuerMate Connectors provide a fast, reliable leak-tight connection that seal on your luer-equipped product for processing or testing.

Please thoroughly read and understand the following procedures for re-building the MLL connector.

For reference see WP133 for Operating instructions.

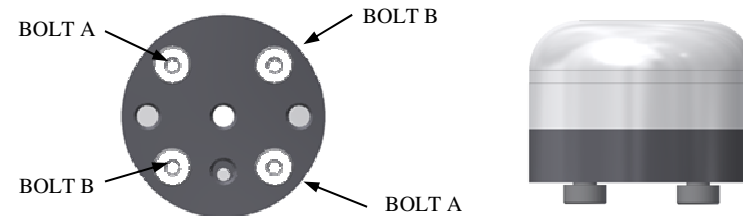
- Dis-Assembly
- Re-Assembly
- Connector Maintenance
- Safety Warnings – Guidelines

MLL Dis-Assembly:

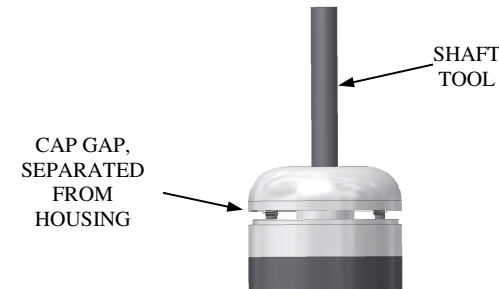


The MLL connector consists of three parts stacked together. These three components pinch and contain the piece of tubing that seals on the luer fitting.

1. Looking at the back side of the connector, remove the two bolts marked as (A) in picture below.
2. With these bolts still in there holes, place connector on work surface as shown.

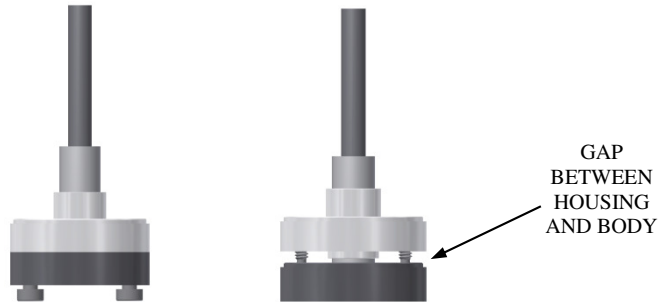


3. Using a small shaft that ranges from Ø.20 to Ø.30 inches, push shaft down through cap hole and push down against the body. This will help separate the cap from the housing.
4. Remove shaft tool and pull cap away from body with your fingers. The resistance you are feeling here is the cap pinching the tubing.



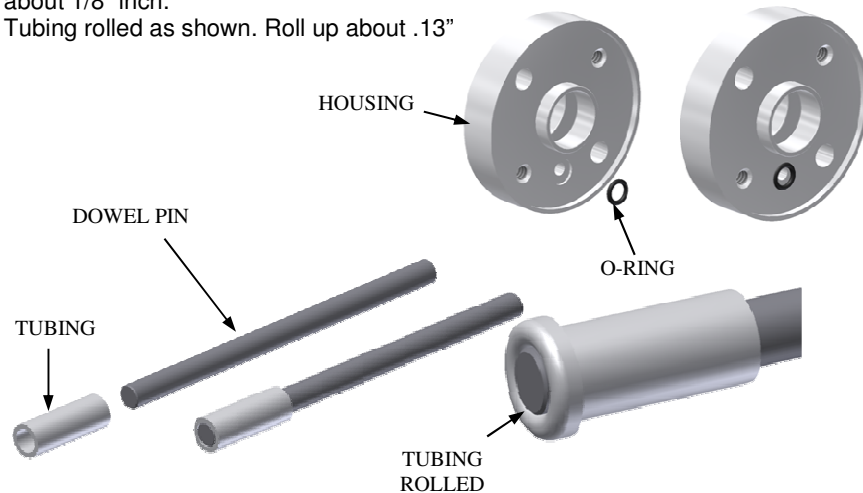
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5. With cap removed, loosen both bolt B's.
6. With these bolts still in there holes, place connector on work surface as shown below.
7. Repeat step 3, place shaft tool through housing. Push down on shaft and housing will separate from body.
8. Remove shaft tool and finish separating housing and body by hand.
9. Remove old piece of tubing and proceed to the re-assembly steps.

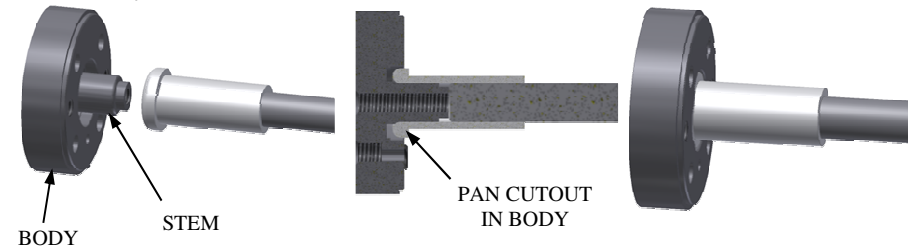


MLL Re-Assembly:

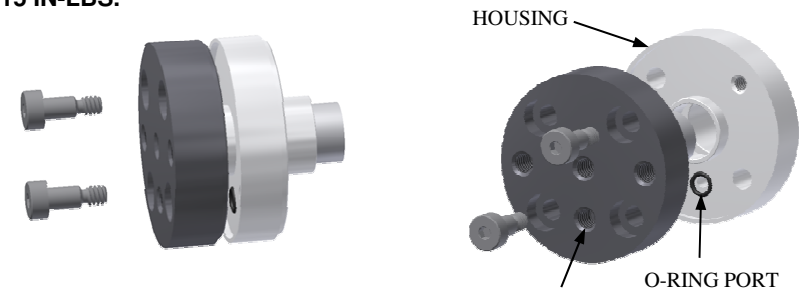
1. Apply Krytox to the o-ring. This is mostly needed to help retain/hold o-ring in counter bore during assembly. Place o-ring in the counter bore of the housing.
2. Next step is to roll/form one end of new piece of tubing. Using 5/16" dowel pin tool slide tubing onto pin and roll bottom end of tubing up about 1/8" inch.
3. Tubing rolled as shown. Roll up about .13"



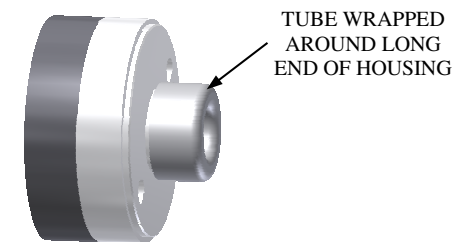
4. Lightly lube stem on body with Krytox.
5. Slide tube off of dowel pin onto stem. **Don't** push tube down all the way into pan of body.



6. Lightly lube outside of tube with Krytox.
 7. Slide housing over tubing.
 8. As parts come together align pilot port on body with o-ring port on housing.
 9. Squeeze body and housing together until you can start threading the short shoulder bolts into place. Alternate from bolt to bolt as body and housing come together until tight.
- TIGHTEN SCREWS USING 3/32" HEX BIT AND TORQUE WRENCH SET TO 15 IN-LBS.**

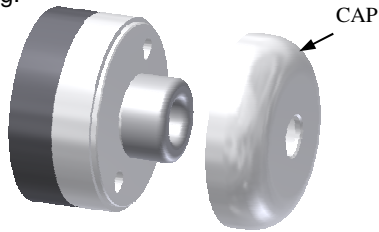


10. NOTE: Tubing will get pinched as the housing and body come together.
11. Roll/wrap tubing over the other end of housing.

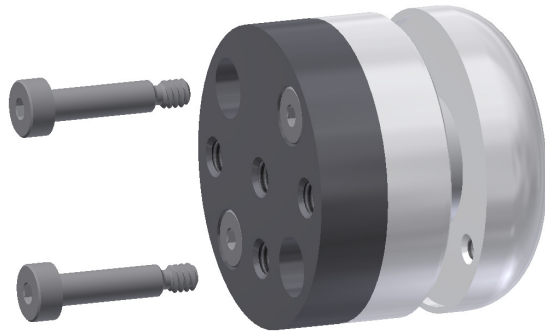


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12. Quickly press cap onto tubing, align tapped holes in cap with the thru holes in the housing.



13. Press cap on until you can start threading the longer shoulder bolts into cap.



TIGHTEN SCREWS USING 3/32" HEX BIT AND TORQUE WRENCH SET TO 15 IN-LBS.

14. Alternate from bolt to bolt until cap is tight against housing.



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, missing or loose components, leak tightness, ease of operation, 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 MLL&MLH** 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 MLL&MLH** 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 of 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.