

FV103 Light Duty Transit Nozzle Instruction Manual

A WARNING

Failure to follow these instructions or to properly install and maintain this equipment could result in gas leakage, fire or explosion causing property damage and personal injury or death.

Oasis products must be installed, operated and maintained by trained and competent personnel in accordance with all applicable local codes, rules and regulations in addition to the Oasis Instructions.

Oasis Engineering Ltd. will not be held liable in such circumstances where installation, operation and maintenance procedures were performed by incompetent personnel resulting in improper assembly, unsafe operation, equipment damage or personal injury.

Oasis recommends that all service technicians should watch the Product Servicing Video before attempting to service this part.



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Servicing Video Instruction Manual

Setting The Standard

Warning!

High pressure gas and gas equipment can cause serious harm to both infrastructure and personnel if safety precautions are not followed.

Oasis recommends considering the use of the following PPE when working with high pressure along with any other site specific health and safety requirements:



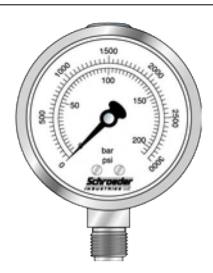








Foot Protection Hearing Protection Safety Helmets Hand Protection Safety Glasses



Ensure the system is clean of debris, vented and isolated before any installation or servicing work is carried

Tools Required



Spanner (Wrenches)



Torque Wrench



Anti Seize Grease

- **Swagelok Silver Goop**



Thread locker Loctite 243 or



Bucket of Water



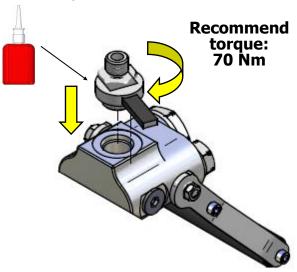
Heat gun



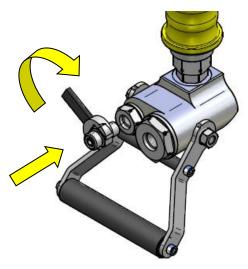
Installation Instructions

Setting The Standard

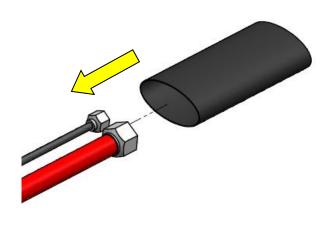
1. Apply thread locker to thread and tighten nozzle adaptor into valve.



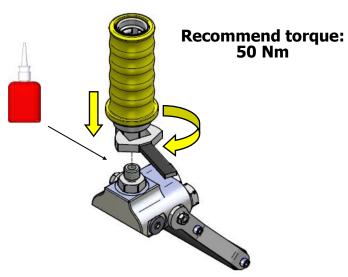
3. Attach vent adaptor as per fitting manufacturers instructions.



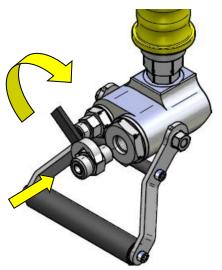
5. Fit hose cover over hose before fitting hoses to valve.



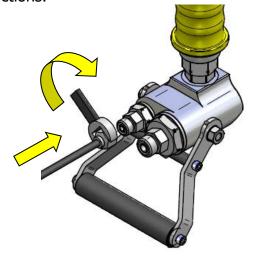
2. Apply thread locker to thread and attach nozzle.



4. Attach main hose adaptor as per fitting manufacturers instructions .



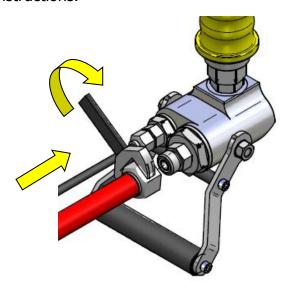
6. Connect vent hose as per manufacturers instructions.



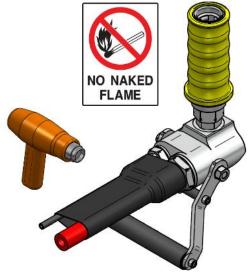
Installation Instructions

Setting The Standard

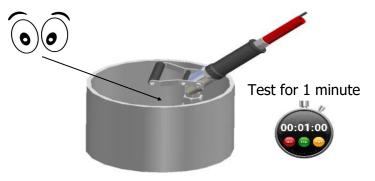
7. Connect fill hose as per manufacturers instructions.



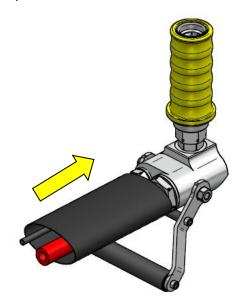
9. Use heat gun to shrink hose cover over hoses.



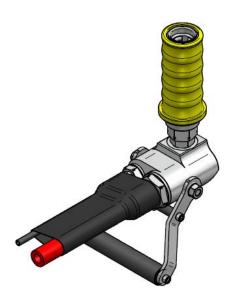
11. Test for leaks before use, place fill valve and nozzle in bucket of water with valve open and look for bubbles. Use snoop or soapy water for unsubmerged connections. Wait 24h before leak test to allow Loctite to dry.



8. Push up hose cover.



10. Assembly complete.





A CAUTION

When testing the valve, ensure the valve is held securely and opened slowly for the first time after servicing. If any leakage occurs then stop test and do not use nozzle. Contact Oasis for help.

AWARNING

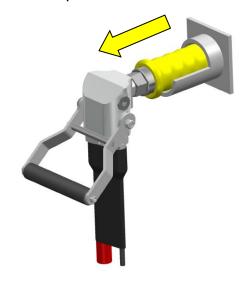
OASIS NOZZLES SHOULD BE TESTED BEFORE RETURNING TO OPERATION. DO NOT USE IF LEAKAGE OCCURS.



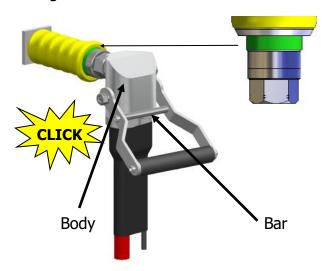
Operation Instructions

Setting The Standard

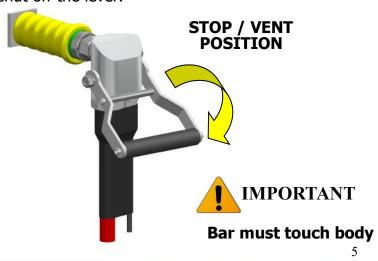
1. Pick up fill valve.



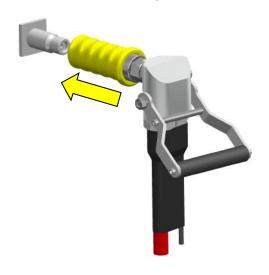
3. The green indication sleeve is visible showing the nozzle is connected.



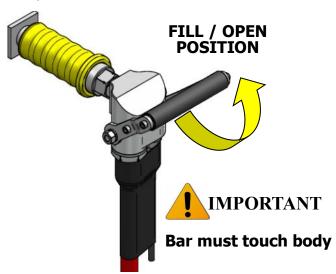
5. When filling is complete, push down to shut off the lever.



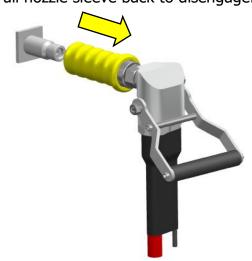
2. Push onto the receptacle.



4. Lift up lever in one swift motion to fill.



6. Pull nozzle sleeve back to disengage.



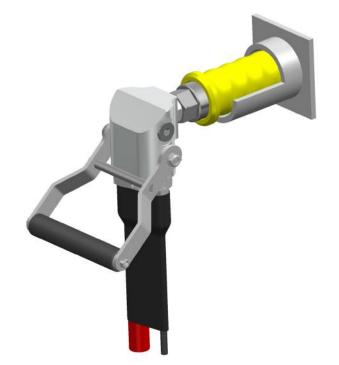
Oasis Engineering Ltd. 129 Birch Ave, Tauranga, 3110, New Zealand, Ph +64 7 9283808, info@oasisngv.com, www.oasisngv.com



Operation Instructions

Setting The Standard

7. Hang up fill valve.



Extension fittings are available from Oasis if required.

Part Numbers: 50mm Extension = NC103-36 100mm Extension = NC103-37

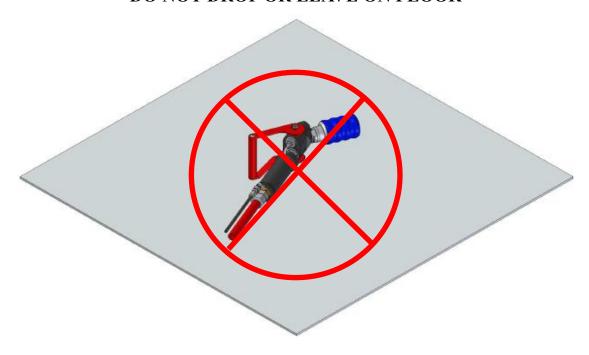
Contact Oasis for more information





IMPORTANT

DO NOT DROP OR LEAVE ON FLOOR



Servicing

Setting The Standard

Service Kit Parts



1 x Vent Ball



2 x Vent Seats



1 x Small gland



2 x Vent seat O-rings



1 x Vent Stem



1 x Fill ball



2 x Fill seats



1 x Big gland



2 x Fill seat O-rings



1 x Fill stem



1 x Vent end cap O-ring



1x Loctite 243



1 x Silicone Grease



1 x Fill end cap O-ring



1 x Blanking Plug



1 x Hose Cover



1 x Handle Sleeve

The Complete Oasis Seal Kit must be used

Servicing

Setting The Standard

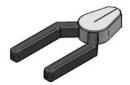
Tools Required



Cleaner (Warm Soapy **Water or Similar**)



Anti Seize Grease (Loctite 771 or Similar)



Pliers



Allen Key 4mm 1/4"



Sockets

- 21mm
- 1 5/16" 1/4" Hex



Spanner (Wrenches)

- 26mm - 15/16"



Torque Wrench



Pick Tool Part Number: TOOL-PICK (Sold separately)



Heat gun



Soft face mallet



Thread locker Loctite 243 or Similar

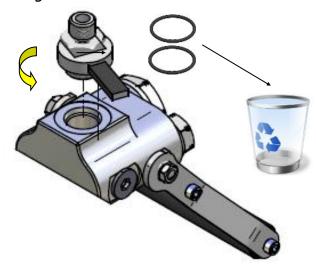


Setting The Standard

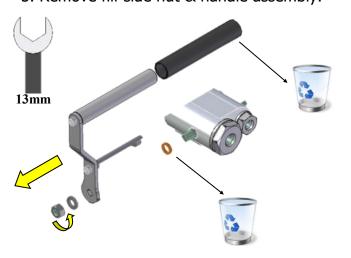
1. Isolate the fill valve and vent all pressure from hose.



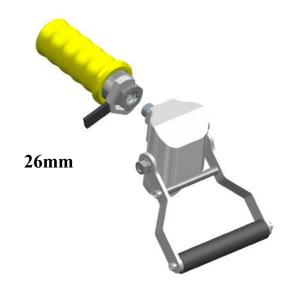
3. Remove outlet connection & discard both O-rings.



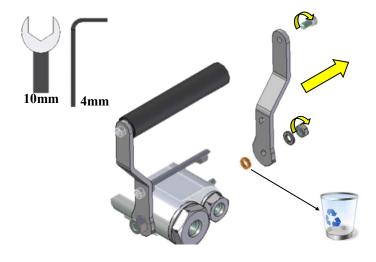
5. Remove fill-side nut & handle assembly.



2. Remove nozzle from outlet connection.



4. Remove vent-side screw, nut and handle.





Setting The Standard

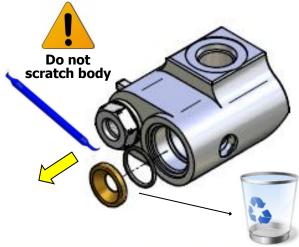
6. Remove fill cap & discard O-ring.



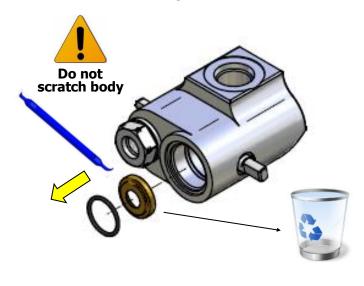
8. Remove fill ball and discard.



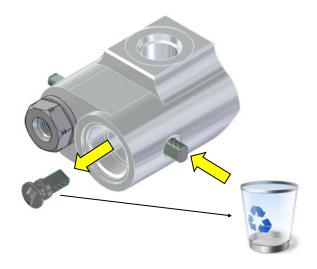
10. Remove 2nd fill seat, O-ring and discard both.



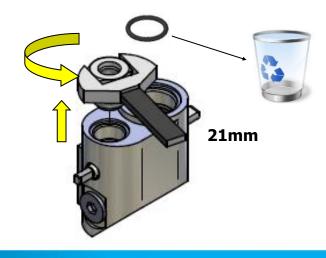
7. Remove 1st fill O-ring, seat and discard both.



9. Remove fill stem and discard.



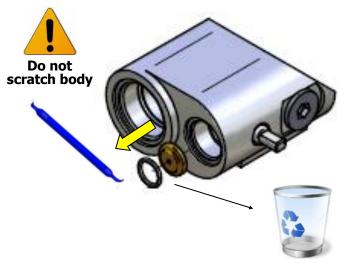
11. Remove vent cap and discard O-ring.





Setting The Standard

12. Remove 1st vent O-ring, seat and discard both.



14. Remove vent stem and discard.



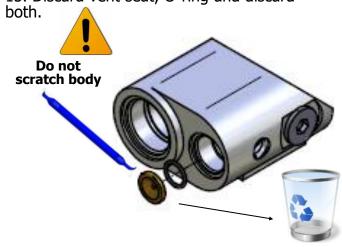
16. Remove blank and discard O-ring.



13. Remove vent ball and discard.

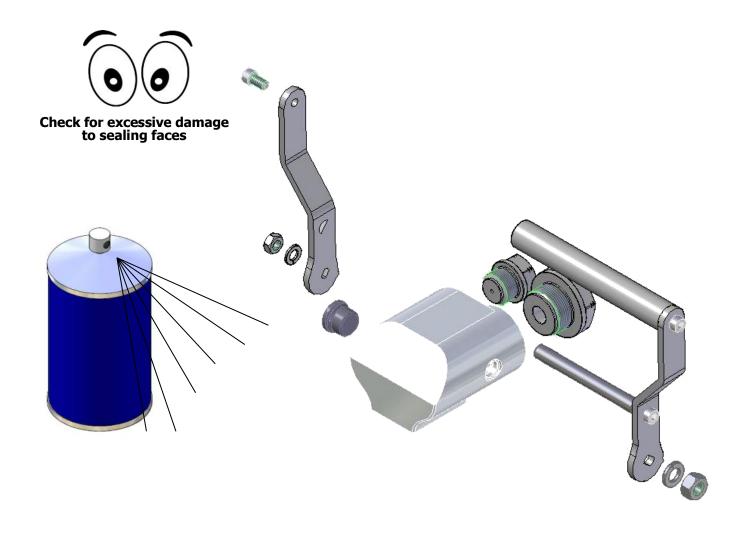


15. Discard vent seat, O-ring and discard



Setting The Standard

17. Clean all parts and check for damage.



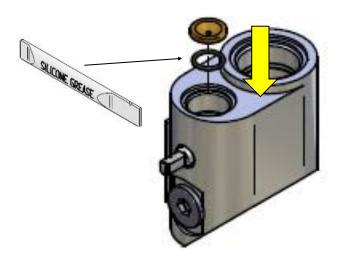
Servicing Assembly

Setting The Standard

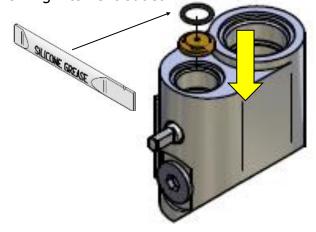
1. Silicone grease O-ring and install onto blank, then apply anti seize to threads after.



3. Install vent seat and silicone greased O-ring into vent outlet.



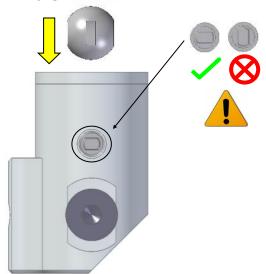
5. Insert second vent seat and silicone greased O-ring into vent outlet.



2. Grease stem O-ring and install through vent outlet and out stem hole.



4. Line up grooves and install vent ball.



6. Silicone grease O-ring and install on end cap. Apply anti seize grease to threads after.

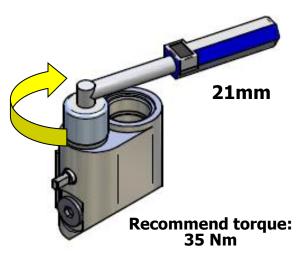


13

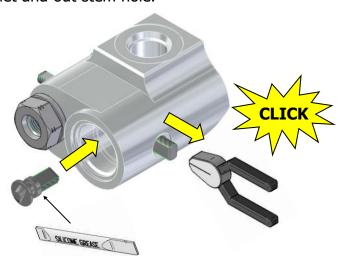
Servicing Assembly

Setting The Standard

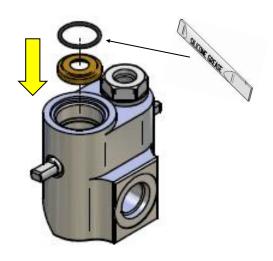
7. Screw in vent end cap & torque.



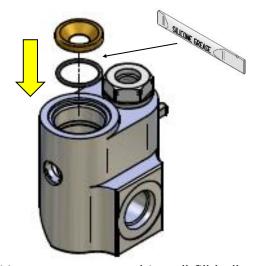
9. Grease stem O-ring and install through main inlet and out stem hole.



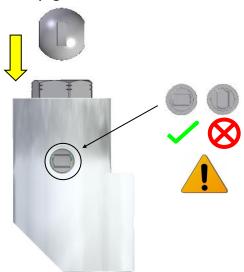
11. Insert seat and silicone greased O-ring into main inlet.



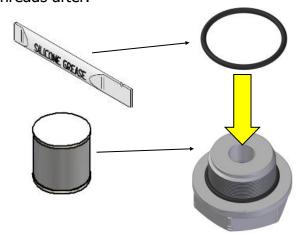
8. Insert silicone greased O-ring and seat into main inlet.



10. Line up grooves and install fill ball.



12. Silicone grease O-ring and install on end cap. Apply anti seize grease to threads after.





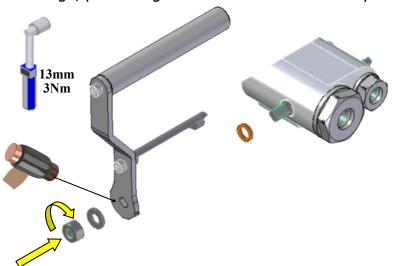
Servicing Assembly

Setting The Standard

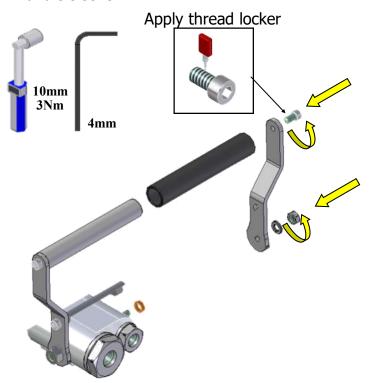
13. Screw in end cap & torque.



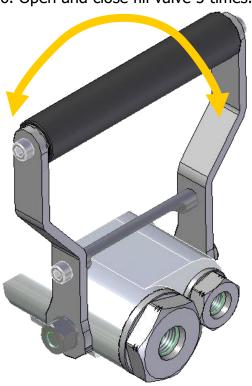
14. Align, place & tighten fill-side handle assembly.



15. Align, place & tighten vent-side handle & handle sleeve.



16. Open and close fill valve 5 times.





17. Light duty fill valve assembly is complete.

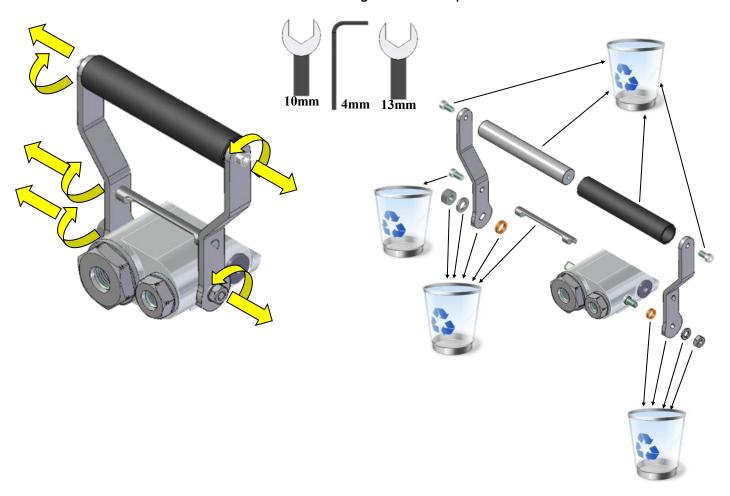


Follow the installation and operation instructions on page 3-6 to re-install and leak test on first use.

Handle Disassembly

Setting The Standard

1. Isolate the fill valve and remove the existing handle components.



2. Inspect the fill valve for any damage.







Setting The Standard

