



NC103 NGV1 P30/P36 NOZZLE Instructions Manual

FOR VIDEO INSTRUCTIONS, USE QR CODE LINK ON THE RIGHT OR GO TO WWW.OASISNGV.COM/ DEMONSTRATION_VIDEOS TO VIEW THE SERVICE VIDEO



AWARNING

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 NC103-P30/P36 Nozzles must be installed, operated and maintained in accordance with state, federal and local codes, rules and regulations and Oasis instructions.

Installation, operation and maintenance procedures performed by incompetent personnel may result in improper assembly or unsafe operation. Either condition may result in equipment damage or personal injury. Use competent personnel when installing, operating and maintaining the NC103-P30/P36 Nozzle.

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Specifications

Product	Recommended cycles before servicing	Nozzle connection thread	Receptacle type	Service kit
NC103-P30/P36	100,000	9/16"-18 SAE Female	NGV1	NC103-SKNGV1

For more product information consult the NC103 P30/P36 nozzle specification sheet or contact Oasis engineering.

Installation

Equipment Required









Adaptor



243 Loctite Medium Strength

Anti Seize Grease

Silicon Grease

Spanners (wrenches)

An adapter is required to fit nozzle

1. Apply thread locker to adaptor and screw into fill valve. Oasis recommends the FV103 fill valve. Ensure an O ring is used for the nozzle connection.

2. Tighten the nozzle to the three way valve device.

3. Slowly open the three way valve and test the fittings for leaks





Installation Instructions

Manufacturing & Precision Engineers



Installation of this product shall conform to the requirements of authorities having jurisdiction or, in absence of requirements, with the standard for compressed natural gas (CNG) vehicular fuel systems, ANSI/NFPA 52, natural gas for vehicles installation code, CAN/CGA B149.4, or the natural gas installation code, CAN/CGA-B149.1, as applicable.

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Operation Instructions

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1. Push the nozzle onto the receptacle

2. When coupled the nozzle will click into position and the green indication sleeve is visible

3. Open the handle on the fill valve to begin filling



4. Close the handle when filling is complete to vent the nozzle



5. Pull back on the nozzle sleeve to disconnect the nozzle from the receptacle



6. Return the nozzle to the holder and ensure it is not left on the ground.







7. Do not attempt to use the nozzle if the green sleeve is visible prior to connection.





Do not use the device if the green sleeve is visible when not connected to a receptacle. Contact Oasis Engineering if this happens. Failure to comply could result in property damage and/or personal injury

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Servicing Schedule

Part Number	Cycles Before Servicing*		
NC103-P30	100,000		
NC103-P36	100,000		
* It is recommended that the nozzle is serviced on or before			

* It is recommended that the nozzle is serviced on or before these cycles. This can be undertaken onsite.

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Components in the Service



1 x Poppet Assembly



x Secondary Retaining Ring



1 x Poppet Spring (32mm / 1.26'' long)



1 x Cap O-ring



1 x Capscrew



1 x Sleeve Spring (27.5mm / 1.08'' long)



1 x Poppet Seal



4 x Segment



1 x Endcap Spring



1 x Retaining Ring



4 x Ball Bearing



1 x Seal Retainer



Silicon Grease Rocol MX22 or similar (For all O-rings)



1 x Inlet O-ring (906 Nitrile 90)



Thread locker Loctite 243 or similar



1 x NE103-TOOL









7. Remove segments, bearings, spring and discard.



9. Remove end-cap O-rings and discard.



10. Clamp NC103 Tool in a vice and push in poppet, use allen key to undo poppet cap-screw.



11. Remove poppet assembly and discard.





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We reserve the right to modify product specifications without prior notice.

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8. Remove endcap spring and discard.





1. Insert bottom poppet assembly.

2. Tighten poppet capscrew while pushing on bottom poppet assembly with NC103Tool.

3. Fit cap o-ring.



4. Insert spring and tighten end-cap.

5. Apply silicone grease to segment and bearing locations on body.

6. Insert spring.

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13. Install Inlet O-ring when fitting nozzle.

Torque to 50 Nm

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14. Complete. Check for leakage before using.

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.

