TATSUNO

TATSUNO ULTRA Automatic Nozzle for Vapour Recovery Fuel Dispenser

Nozzle Model: FN-1025

Instruction and Maintenance Manual

EN 13012 CML 17ATEX9003U

TATSUNO ULTRA automatic nozzle for vapour recovery without swivel



TATSUNO ULTRA automatic nozzle for vapour recovery with double swivel







How to use nozzle

- 1. Insert the nozzle sufficiently into the fuelling port of the automobile.
- 2. Pull the nozzle lever and lock in the latch. Fuelling starts.
- 3. When the fuel level reaches the pilot hole of the nozzle spout, the main valve of the nozzle closes automatically to stop fuelling.
- 4. Unlock the nozzle lever from the latch and return to the initial state. It can refuel again if pulling the lever once again.



Installation

- 1. Shut off power to the dispenser before starting the nozzle & swivel installation or replacement. Relieve system pressure before servicing or replacing.
- 2. Carefully drain fuel from hose & nozzle & swivel into approved container in the case of replacing nozzles.
- 3. If nozzle & swivel replacement, Replace the O-ring of the hose side with new. The tightening torque of the screw: 60N.m.
- 4. Flow test nozzles & swivels before putting nozzles & swivels in service.

Flow test

1. Leak confirmation

Start pump, and check for leaks between the nozzle & swivel and hose connections.

2. Flow rate test

Measure the flow rate of the nozzle first latch position.

Ensure the maximum flow rate is below the maximum flow rate of the dispenser.

3. Automatic shut off test
Start flow into approved metal test container; place nozzle in first latch position.
Immerse the sensor on nozzle spout tip below the level of liquid.
Nozzle must shut off immediately.
Perset are solve at the "minimum" shut off flow rate.

Repeat procedure at the "minimum" shut off flow rate.

Vapour recovery test

Perform the vapor recovery test according to local law.

Daily inspection

- 1. Confirm that the nozzle & swivel do not leak with normal visual acuity.
- 2. Confirm that the nozzle & swivel have not deformation or other damages.
- 3. Inspect the vapour recovery boots, scarves, grip covers, and confirm that there are not damages and intense dirt. Replace there, as necessary.

Periodic inspection (less than six months after installation)

- 1. Starts pump and confirm that the nozzle & swivel do not leak.
- 2. Confirm the automatic shut off function of the nozzle
- 3. Confirm that the nozzle & swivel have not deformation or other damages.
- 4. Inspect the vapour recovery boots, scarves, grip covers, and confirm that there are not damages and intense dirt. Carry out replacement if abnormality is discovered.



Trouble Shooting

Problem	Solution
Nozzle keeps tripping off immediately.	1. The sensor or the air passage on the nozzle spout may be blocked by an alien substance or fuel. Remove the alien substance or fuel and fill again.
	2. The safety cut out attitude valve may operate with some near
	horizontal fill pipes. Turn the nozzle spout downward and fill again.
	3. Some filler necks are difficult to refuel.
	Slow down fuel delivery. Put on low latch position.
Nozzle fails to open.	1. Pump pressure is not added to the nozzle. Check the pump
	and solenoid valve.
	2. The passage in the nozzle is clogged up.
	Replace or clean the nozzle.
	3. Confirm whether nozzle lever was damaged.
	In the case of damage, change the lever.
Nozzle does not close automatically	Stop use promptly.
	Call your service contractor for repair or replace the nozzle.
	Stop use promptly.
Nozzle leaks.	Call your service contractor for repair or replace the nozzle.

Guarantee

TATSUNO guarantees against defective materials and manufacturing during warranty period. Warranty period: One year from date of supply.

If the delivery date cannot be established, the date code on the nozzle prevails.

Warranty does not cover below.

(1) Damage to the nozzle & swivel in an accident etc.

- (2) Damage by natural disasters, such as a typhoon and an earthquake.
- (3) Wear items such as spouts, vapour recovery boots, scarves or grip covers.

Replacement period

Nozzles are expendables. Even if there is no abnormality, we recommend replacement after use of the nozzle & swivel for three years or the quantity of refuelling 2,500,000L.

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Suggestions

If you have any suggestions as to how we can improve the quality and/or readability of this manual, then we would be happy to hear from you. We can be contacted at the following address:

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