

Auto Tire Fill System

Operation Instructions

1. Verify "Red" slider valve is in down position
2. Attach air supply (150 PSI max) to NTF unit
3. Plug in the Auto Tire Fill System
4. Turn both valves on NTF unit to "FILL TIRE"
5. Connect hoses to tires
6. Set the final target pressure by pressing + or - buttons
7. To change Over Pressure and Nitrogen Purge Cycles Settings, see sections below
8. Move "Red" slider valve to up position
9. Press **N2** button once for Standard Inflation, or hold **N2** button to invoke Nitrogen Purge Cycle
 - Standard Inflation will inflate or deflate to the target pressure
 - One complete Nitrogen Purge Cycle is the process in which the Auto Tire Fill System will deflate to 3 PSI, Inflate to target pressure, deflate to 50% of target pressure, then inflate to final target pressure (If 2 or more Nitrogen Purge Cycles are programmed, the above process will be repeated)
10. When unit beeps 5 consecutive times, slide "Red" valve to down position
11. Wait 10 seconds before disconnecting hoses

Over Pressure Setting (OPS)

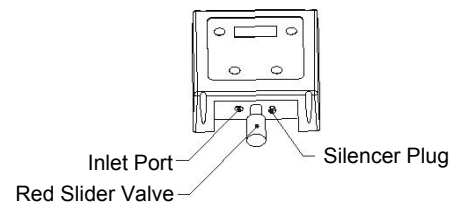
1. Plug in the Auto Tire Fill System
2. Press **OPS** button **ONCE**
3. Press + or - buttons to change the Over Pressure Setting
4. Press **N2** button to save the Over Pressure Setting

Nitrogen Purge Cycle Setting (N2P)

1. Plug in the Auto Tire Fill System
2. Press **OPS** button **TWICE**
3. Press + or - buttons to change the number of Purge Cycles
4. Press **N2** button to save the number of Purge Cycles

Buzzer Volume Setting

1. Make sure the Auto Tire Fill System is unplugged
2. Press and hold **N2** button and - button simultaneously
3. While holding **N2** button and - button, plug in the Automatic Inflation Unit
4. When "Vol" appears on the screen, release the **N2** button and - button
5. Adjust the volume using the + and - buttons
6. Press the **N2** button to save the volume setting



Error Messages

Error	Possible Cause	Solution
ER1	Unstable pressure	Verify that air chuck is pressed all the way onto the tire
ER2	Unstable pressure, incorrect supply pressure, or Inflate/deflate valve connections are reversed	Verify that air chuck is pressed all the way onto the tire. Check valve connections on PCB.
ER3	Low or no supply pressure	Verify that air chuck is pressed all the way onto the tire
ER4	Initial or final pressure is too high, exceeds maximum pressure by more than 20 psi, 140 kPa, or 1.4 bar	Turn bottom valve on NTF unit to vacuum tire. Turn off power for a minimum of 5 seconds. If error reappears, call RTI
ER5	Low supply voltage	Check power supply, message will clear when correct voltage is restored
ER6	Program or PCB error	Turn off power for a minimum of 5 seconds. If error reappears, call RTI
ER8	Calibration error	Calibration required, call RTI
ER9	Calibration error	Turn off power for a minimum of 5 seconds. If error reappears, call RTI

Troubleshooting

Problem	Possible Cause	Solution
No Display	No power supply to Auto Inflation Unit	Check power supply
The display will not move or is stuck on a particular value	Switch is damaged	Call RTI
The unit deflates very slowly	The silencer plug on the valve is blocked	Remove and clean silencer plug
The Auto Inflation Unit no longer beeps	The beeper is damaged	Call RTI
The inflation process commences but does not complete	Low supply pressure	Verify that air chuck is pressed all the way onto the tire

Replacement Parts	
Air Chuck	023-80384-00
Hose Clamp	021-80169-01
12 foot hose	060-81638-12
24 foot hose	060-81638-24



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