

Tech Tip



From your friends at New York Bus Sales

Roush Propane Units Not Reading Full When Fueled

Complaint - When filling the unit, the gauge does not appear to show a full tank, may only show 3/4 to 7/8 of a tank

Cause - There could be several causes....low pump pressure, indicator malfunction on tank, electrical issue etc.
One issue that we feel may be occurring, especially with higher pressure pumps is that the propane when filling is “splashing” as it fills the tank and as it rises, that splash causes the float for the OPD to raise causing it to shut the fill off before it actually reaches full capacity.

Correction - First we must try and determine if this might be the issue. We can do that by seeing if the level read on the gauge is accurate with the parameter being read by the dash.

First Steps should be to:

- Verification that the bus is level at fueling station
- The Station pump is a minimum of 5 hp.
- Vehicle tank pressures are within spec based on the ambient temperature chart in our service manual.
- Fuel station differential pressure is 125-150psi as well as nozzle output pressure is 50psi over tank pressure at the time of fill.
- OPD is oriented properly within tank shell.
- Bus cluster is updated to the current level software.

Please follow the steps below once you have fueled the unit -

#1 – Locate the 2 buttons in the right lower corner of the cluster and press the lower button holding it for several seconds Fig #1

#2 – The screen will change showing “SETTINGS & DIAGNOSTICS”....Fig #2

#3 – Using the buttons, scroll down to the line “READ PARAMETERS” ...Fig #3

#4 – Once that has been highlighted, pressing both buttons will take you to the screen shown if figure #4.

Reading the “Fuel Level” line you can determine if there is an issue. If the reading on your dash is 3/4 to 7/8 then that should read 75% or higher. If it reads 100% then there is another issue.

If there does not appear to be any other issues, we would suggest that when filling and it stops due to the OPD, that once shut off you wait several seconds and then restart the pump to see if it will take more fuel. If it does we feel this is the issue.

As an alternative, you could also try using a pump with less pressure.



FIGURE #1



FIGURE #2



FIGURE #3



FIGURE #4

Unfortunately at the current time there is no resolution to the issue other than letting the fuel settle and then refilling.



Contact Our Service Department With Any Questions

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