

GTI SERVICE NOTE

GTI 128

February 23, 2018

Recommended Annual Check of the Altronic GTI Bi-Fuel System Installation and Operation

1. Secure a copy of the data from the commissioning sheet of the last commissioning.
2. Gas Supply: Verify that the gas supply is the same as it was during the last commissioning. If not, notify the appropriate parties to have the pressure adjusted.
3. Verify that the safety seals installed during the commissioning are still in place and that the serial numbers are correct.
4. Gas Filter: Verify that the Δp between pressure connection inlet to outlet is less than twice as high compared to the Δp during commissioning (pressure across the filter). If twice as high or greater, replace the filter.
5. Verify that all flange bolts and nuts are secure and tightened according to the specifications listed in the Installation and Operating Manual.
6. Verify that all gas hose fittings are secure from the gas train outlet to the mixer.
7. Verify that the hump hoses on both sides of each mixer are secure.
8. Verify that the nuts, screws on each mixer locking bar and set screw are secure.
9. Verify that the hex screws on each mixer are secure.
10. Is the mixer open to the same number of turns as it was when it was commissioned?
11. Verify the display on the GPN control panel is legible.
12. Scroll through the channels on the control panel. Do the values displayed appear to be real given the current conditions?
13. Verify that the control and safety setpoints and any other setpoints are as they were set during the final commissioning.
14. What is the current status of the Bi-Fuel system (Bi-Fuel ON, Bi-Fuel OFF, Fault)? Does the current status appear valid given the current conditions? If faulted, what is the source of the fault? If Bi-Fuel ON, should it be (this depends on whether the engine is running and at a load within the Bi-Fuel window)?
15. With the engine Off, press the reset button on the control panel. Does the system reset and the display read Bi-Fuel off (it should)?
16. Press the Stop button. Does the display read "MANUAL STOP" and the fault light come ON?
17. Press the "RESET" button.
18. With the engine running and at a load within the Bi-Fuel window, does the Bi-Fuel status change from Bi-Fuel Off to Bi-Fuel ON? If NO, investigate why gas failed to turn ON and correct the condition.
19. At a load within the Bi-Fuel window, when comparing the data taken during the last commissioning to the current data for MAP, VAC, MAT, GSP, EGT, VIB and substitution, are they similar? If they are different, investigate why and correct if necessary.