

Retrofit for Fat Sample Collection Xt10/XT10I

OVERVIEW: The following procedure will enable the collection and sampling of collected fat for further analysis using your ANKOM^{XT10} Fat Extractor. You will need an Oil Sample Kit including an X100 Glass Insert and Tongs, an X88 Programmable Controller (programmed for oil sample collection), and a Two Place Jumper Part #977.4.

NOTE: This modification will work only on machines with 500°F Electronic Temperature Switches (ETS). Some early models have a 350°F ETS. These can be differentiated by the bottom of the vessel. Copper bottom vessels contain a 350°F ETS, Stainless Steel bottom vessels contain a 500°F ETS. Contact ANKOM with the Serial number of your unit if you have any question as to the compatibility of your unit with this modification.

1. Turn power off to machine and disconnect power cord. Open the control box front panel to access the electronics. Reference Figures 1 and 2.



Figure 1

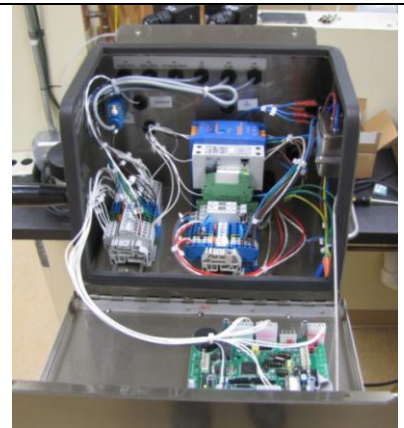


Figure 2

2. Obtain two-place jumper part #977.4 as shown in Figure 3. Install jumper on the 10 and 4 terminal blocks on the 24 volt din rail. See Figure 4.

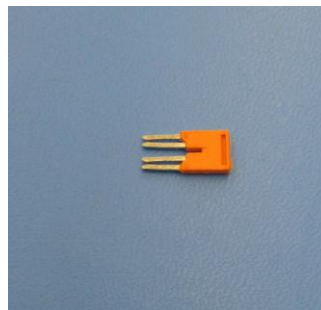


Figure 3

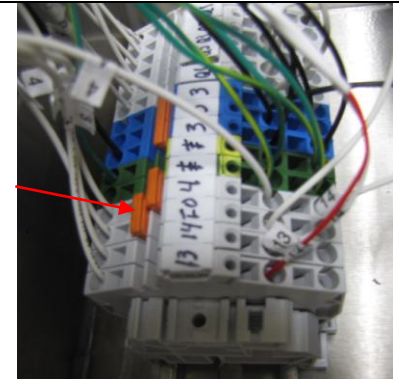


Figure 4

3. Locate Programmable Controller MMi202A inside front panel of machine. Remove acrylic cover from Programmable Controller using small Phillips screwdriver as shown in Figure 5. Remove hex standoffs with 1/4" socket – reference Figure 6.

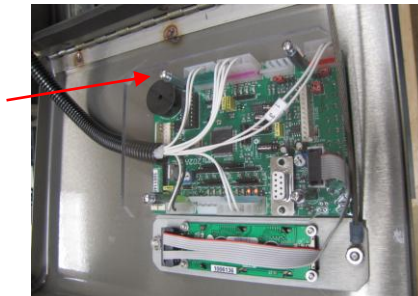


Figure 5

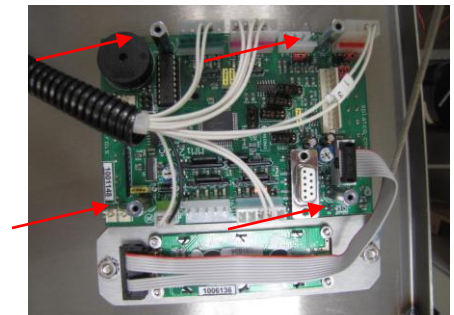


Figure 6

4. Disconnect wiring coming from the 24 volt din rail to the Controller that are color coded dark green, pink, red, light green and blue. Also disconnect wiring from LCD screen. Refer to Figure 7.

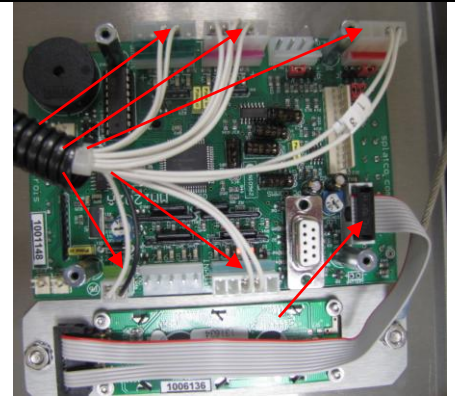


Figure 7

5. Obtain X88 Programmable Controller MMi202A from ANKOM (programmed for use with glass fat collection insert), as shown in Figure 8. Replace existing Programmable Controller with new one. Re-attach wiring as shown above in Figure 7. Reinstall hex stand-offs shown in Figure 6 and acrylic panel shown in Figure 5. Close front panel being careful not to pinch wiring .

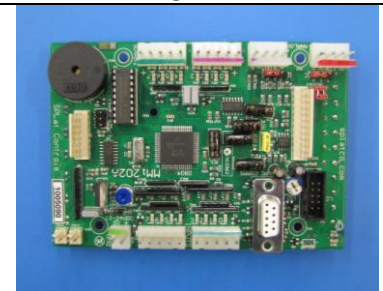


Figure 8

6. Obtain Glass Insert for fat collection and tongs shown in Figure 9. Slide Glass Insert into SS vessel. Reference Figure 10.



Figure 9



Figure 10

7. Operational Notes: When using ANKOM^{XT10} for fat collection, Glass Insert must be put into vessel before the solvent. Solvent is then poured into the Glass Insert. Also note that heat up times will be somewhat longer due to the insulative properties of the glass insert.