

From: Rewired Rewired <re_wired@ymail.com>
Sent time: 25/04/2017 11:37:54 AM
To: service@morgana.co.uk
Subject: To Mat in regards towards a Pur 150

Dear Mike and Mat

Hello how are you doing, I hope all is well I spoke to a gentleman on the 24/04/2017 on the phone called mike in regards to a Morgana pur 150 that I am interested in purchasing from another person, mike then passed the phone to a man called Mat, who then asked me to send this reply. The machine I am able to buy seems to come with its own problems and I request your help in solving the issues.

Diagnostic; when the machine is first turned on it allows any user to go to the first stage which is; "Are you trained to operate this machine" once ticked in agreement the power to the machine will flip the main distribution power supply but does not blow the machines internal fuses.

On a diagnostics of the problem you have to take the two covers of the back of the machine and bypass the safety mechanism for the hatch door being closed.

Connected to the bottom of the glue station, to which you put the glue into is a thermostat, this thermostat has two additional wires connected into it.

The marks on the thermostat states that it is a; Mfr. Part No.2455RC Thermostat, Solder Tag Termination, 0°C +260°C

When disconnected and the machine is rebooted with power it will bypass to the second stage; "Main menu" Once into the main menu the machine goes into alarm mode in turn disabling its features.

The features that seem to be disabled are the following:

1. milling station:-
2. Press carriage;

On a further inspection towards the resolution of the error codes; they are labelled as follows:

1. 007 Error movement of press:-
2. 009 Cleaner not present:-
3. 010 Temperature not ok:-
4. 011 Execute present:-
5. 019 Critical Temperature;

My main concern at present other than getting the machine to work:] is the error showing 007 error movement of press, as I hope that changing the thermostat will clear error 010, 019 and then once 009 has been addressed then 011 will no longer exist as a problem if 007 is fixed, thus repairing the machine.

After speaking to another gentlemen a Morgana it was explained to me that I can attach a external power supply to the mill and after to the carriage to check the motors to them mechanism are functioning correctly, on an attempt to do this the mill motor had no issue of concern and is a straight forward motor to supply the power to, the mill has neutral and live inclusive of ground. When rerouting the mill I disconnected N1- L1 from Km21.01 within the fuse board to add the external power supply, with the mill motor activating.

I then attempted to make the press carriage active and took the chain of the motor so the spindle can move freely, on revealing the wires behind the power plate cover to the motor, for the power cables to be connected I noticed four wires;

1. One grey in colour:-
 2. One brown in colour:-
 3. One black in colour:-
- And:-
4. A green ground wire.

I understood the brown cable to be L1 live and grey to be forward while black would be reverse to the motor, so I connected the external power supply with the ground connected, then:-

1. I connected L1 also from a external power supply to L1 in the motor and the
2. N1 to the grey cable and after to the black cable, when this was achieved you could hear the carriage motor slightly hum with power but no movement of the motors Spindale.

When the machine is as standard as at present, if any user is to go through stage one and “Tick yes you are trained to use this machine,” once at stage two if u press the two green buttons at the front of the machine simultaneously, that person will here a breaker click in the back of the machines fuse box, this shows code: E21.01 and has three lights, the top light is always active named supply and in consequence to the two green buttons being push together R2 will become active, with no response from the press carriage motor.

My questions are:

1. Does Morgana sell used parts at a discount from new priced parts?
2. How much would a press carriage motor cost in any of them instances?
3. If I continue to do a further diagnostics of the press carriage motor I will split the differential gearing from the motor and attempt to run the motor from a external power supply, once again in the hope of keeping cost down in aiding to fix the machine.
4. How much will Morgana supply the required thermostat for after vat?
5. How much will Morgana supply a press carriage motor without gearing attached?
6. How much will Morgana supply gearing for the press motor without the motor attached?
7. How much will Morgana sell the carriage motor and gearing together for?

While I was in the fuse box at the back of the machine I notice two more fuse controllers that are not active with present Semiconductor High Voltage Glass Passivated Junction Rectifiers the fuse board numbers are as follows; Km20.01 Km23.01 on further research of them empty fuse slots, after reading the wiring schematics it states that the usage for them slots are as follows:

1. KM20.01 = Main Enabling
2. 2Km23.01 = Heating Enable

Another question I have to ask for your response in is; should those two slots be without fuses as they are at present?

I also would like to question whether u supply the glue and blue beans needed to operate the machine and pricing if so, if not please can you help provide a supplier for such products?

If I resolve the issues the machine is faced with at present I would like to order the flat end screws needed to service the glue station so for the glue to get extruded through it correct path at its optimal performance and therefore request the following price of them parts from your self's.

I would appreciate any help or advice that you or your team members may have in helping to get the Morgana pur 150 re-commissioned.

Many thanks and kind regards
Mr S. Cordell