SERVICE BULLETIN

Date 13/09/11 BULLETIN # 235-C

CP131

CHECKING/RELOCATING PRIMARY TRANSFORMER WIRING

The primary transformer wires which lead to the voltage switches may be located too close to the right hand side panel. If this is the case, their insulation may rub through and the wire may short against the vents in the side panel. This will cause the fuse or circuit breaker which protects the power circuit to trip or blow.
Because of the danger which exists if there is a fault in the building earth protection system, WIA have recalled machines which may have this fault present.

The affected serial numbers start with C1312A1110…, C1312A0111…, C1312A0211…, C1312A0311…, C1312A0411…, and some of C1312A0611… and C1312A0711… Customers have been advised that they should contact WIA Customer service on 1300 300 884 to find out if their machine is affected if they have a serial number that starts with C1312A0611… or C1312A0711…

You may be contacted by a customer or distributor to inspect and rectify their CP131 machine because of this recall. The following procedure advises how to inspect the clearance and how to rectify a problem in this area. Inspection of this wiring is also necessary during service work.

Be aware that the vents in the right hand panel protrude approximately 8mm into the machine, so the minimum recommended clearance to the right hand panel (where the vents protrude) is at least 15mm. If the clearance to the side panel is closer than this, the wires must be pushed back toward the centre of the machine.

It is recommended that the wires are tucked in behind the plastic bobbin on the transformer, as shown in Fig 2. If this is done, there is no chance that they will come into contact with the machine panels. To achieve this:

1. Ensure the machine is unplugged from the electrical supply.
2. Remove external covers.
3. Move the black weld cable down and to the rear as per Fig 2 (If not already in this position).
4. Move the primary wires one at a time to their new position as per Fig 2. Be careful that the ends of the cables (where they enter the switches) are not placed under excessive stress while doing this.
5. Check that there is good clearance from the wires to the side panel where the wires enter the switches.
6. The wires are made from stiff aluminium, so it is not necessary to tie them into their new position.
7. Check the clearance from other electrical items (including the rectifier plates shown in Fig 2) to the covers. A clearance of 10mm is required if there are no vents protruding at that particular place. Adjust mounting brackets to obtain correct clearance. Check that the rectifier plates have sufficient clearance to the heat sink on the wirefeed control pcb.
8. Refit the external covers.
9. Test machine operation on all 9 voltage switch settings.
10. Record the serial number of the machine and forward to WIA Technical Service Coordinator together with customer or distributor details.
11. Affix a label to the inside of the machine, directly below the wirefeed mechanism recording that the primary transformer cable clearance has been confirmed, together with the date and name of the service agent who completed the task.

Regards,
Hugh Stewart,
Technical Service Coordinator

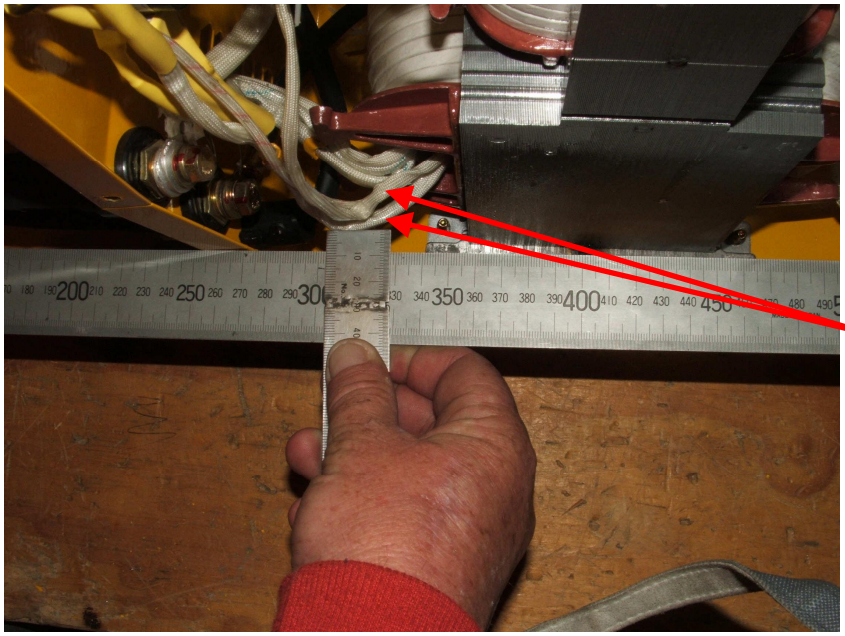
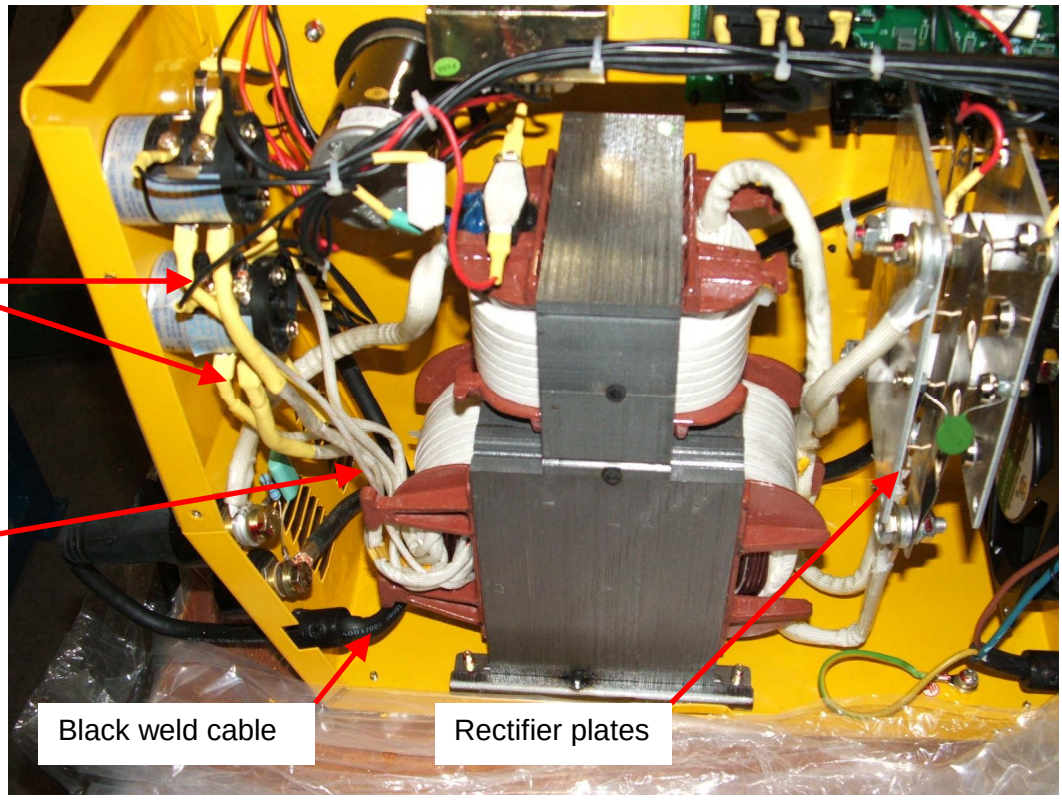


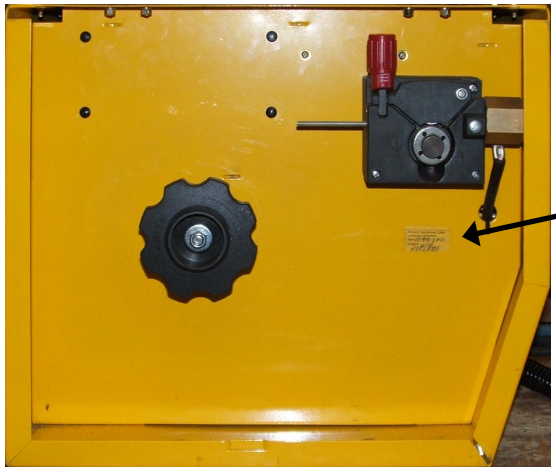
Fig 1
These wires are too close to the right hand side of the machine.

Fig 2

Check clearance from wires to side panel here after relocating wires

All the wires are safely tucked in behind the plastic bobbin.





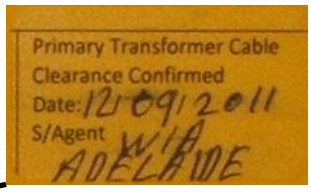


Fig 3
A label with the words “Primary Transformer Cable Clearance Confirmed”, together with Date and Service Agent name must be fixed to the centre panel, underneath the wirefeed assembly.