

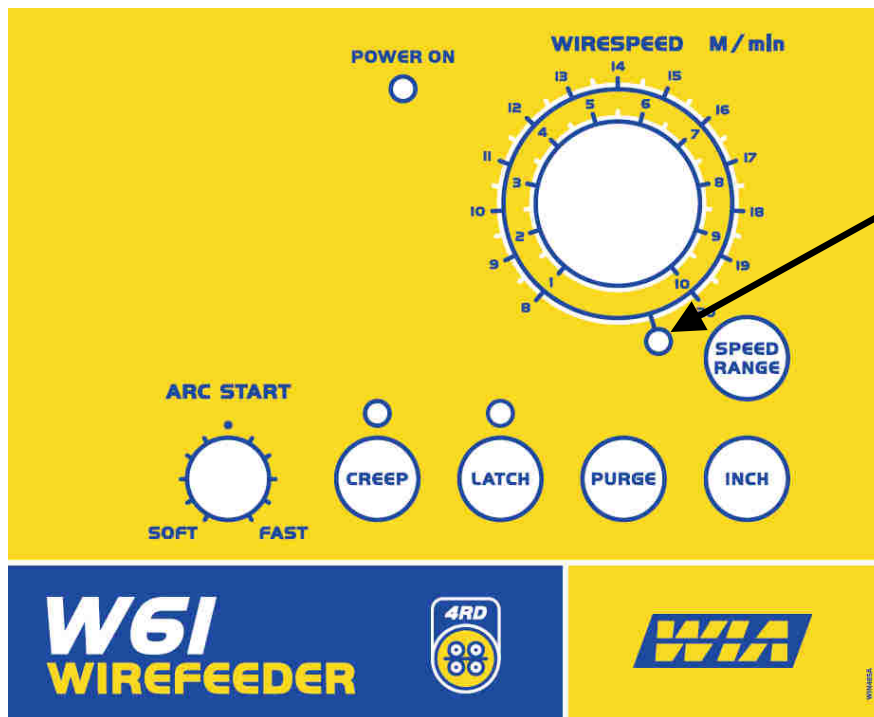
06 February 2008

BULLETIN #222-B

W60 AND W61

High Speed Range Light Flashes and Erratic Feed Motor Speed

In some instances, especially where the wirefeeder is mounted on a boom, the High Speed LED may flash at a regular rate, and the wirefeed motor may drive at irregular speeds.



The High Speed Range Indicator light flashes at a regular rate

The fault is most likely to occur where the wirefeeder is mounted in a metal cradle/boom which is structurally/electrically connected to the case of the power source. In all cases seen so far, removing the wirefeeder from the boom stops the fault.

The fault has been tracked to a spare (currently unused) input on the wirefeed pcb. When there is an electrical connection between the case of the wirefeeder and the power source case, some electrical noise can be generated onto this signal line and cause the micro processor to malfunction.

All PWA008 and PWA009 wirefeed pcb's manufactured from now on are modified to prevent this problem and are labelled Issue I (PWA008) and Issue G (PWA009).

This modification has been used in wirefeeders manufactured after the following serial numbers.

W60 Wirefeeder: W600B1008004030

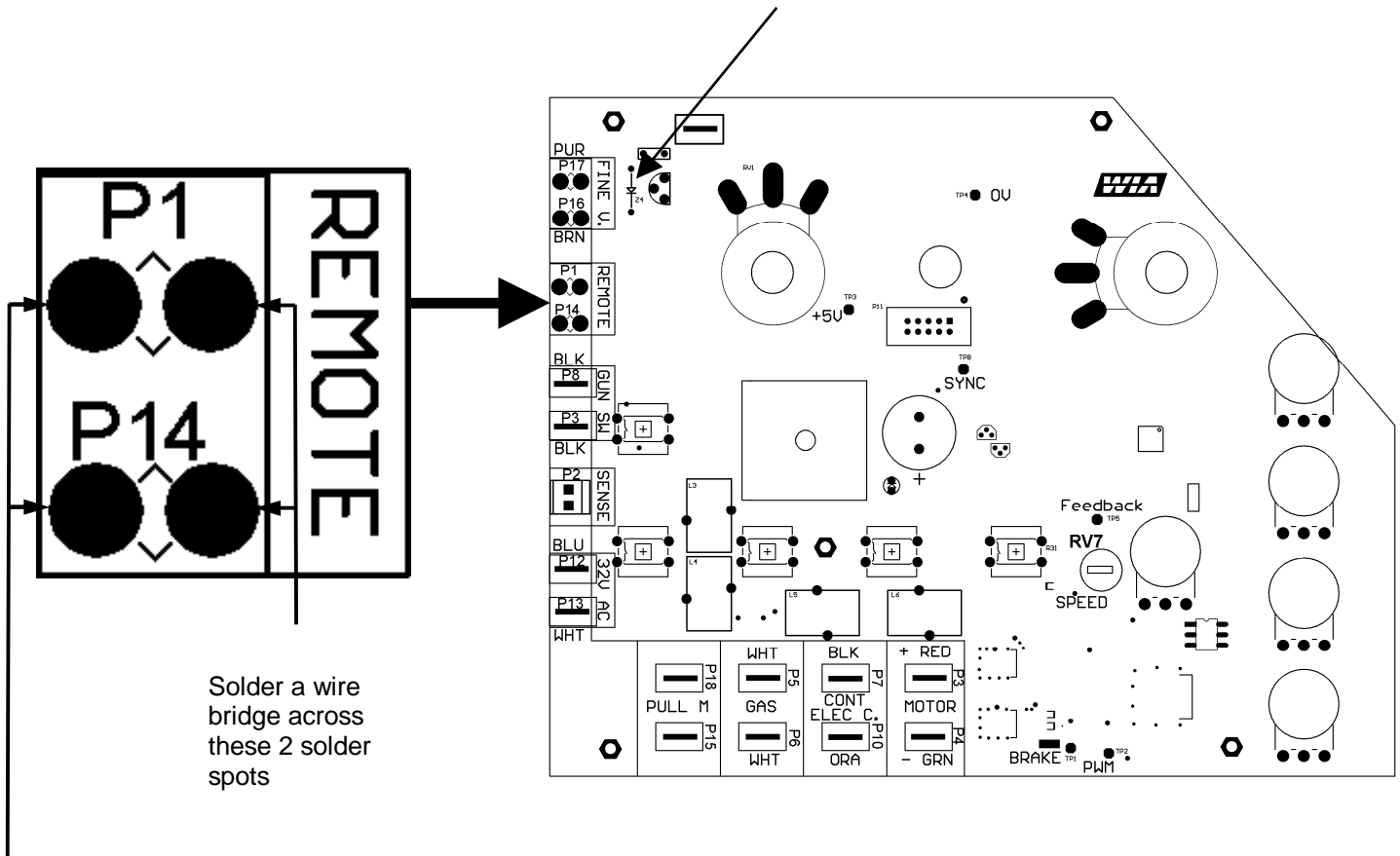
W61 Wirefeeder: W610B1008008060

QUALITY WELDING PRODUCTS, SYSTEMS AND SERVICES

The information provided in this sheet is accurate and reliable, however no warranty of accuracy or reliability is given and no responsibility arising in any other ways by errors or omissions is accepted. Any information involving mains or high voltage is intended for use by qualified electrical personnel only.

An effective field remedy is to tie both inputs down to circuit ground on the pcb by soldering a link between P1 and P14 on PWA008 or PWA009 wirefeed pcb. Note: ensure that the correct solder spots are joined as shown in the enlargement below.

If a link (0 ohm resistor) is present at Z4 location, pcb is already modified.



NOT these 2 solder spots (they are not connected to the circuit)

Note: If the pcb has been removed to carry out this modification, ensure that the Pre-gas, Post-gas, Spot Time and Burnback adjustment pots are all set to customer requirements (or zero if unsure). Test that the push buttons all work correctly. If the pcb standoffs are not correctly tightened the pcb may not be sitting in the correct position, causing the push buttons to malfunction.

Hugh Stewart,
Technical Service Coordinator