



TECHNICAL SERVICE BULLETIN

No. 985150-003
Machine: 515 / SS
System: ELECTRICAL

FALSE ERROR CODE ON CIRCUIT BOARD

SYNOPSIS / PROBLEM:

An error code "08" is being displayed when in actuality everything is OK.

REMEDY / COURSE OF ACTION:

Please follow the procedure instructions.

SPECIAL TOOLS / CONSIDERATIONS:

(Estimated Time to complete: 1 hours)

PROCEDURE:

(Refer to Figure 1)

FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake. Then turn off machine and remove key.

1. Disconnect battery cables from machine.



WARNING: Always disconnect battery cables from machine before working on electrical components.

2. A situation came up on a new machine that was going thru the Final Test Run-in Area before being shipped. During the self test mode, and Error Code "08" came up on the display board. When the Technician tested both the actuator and circuit board, they both were found to be OK. The Electrical Dept. was notified and preceded to conduct some of their own tests. They found the following:
3. The problem is from the sensitivity of a chip on the main circuit board. It has read a "Stall" of the edge scrub actuator during the self test mode when in fact everything works as it should. We have heard from 3 other customers that have run into the same situation. The serial numbers on these machines were 4061, 4062 & 4155. Mechanics fixed the problem by either replacing the main circuit board or the actuator. Both are expensive. If you have a customer who is un-happy with the display always showing "Error Code 08", the Electronic Dept. will send out a new chip with instructions on proper installation that will eliminate the code from showing up.
4. All machines leaving the factory are checked to make sure the Error Code "08" does not come on the display. Since all actuators are not identical, some need a longer break-in period to operate at their maximum efficiency. The code may appear and down the road the code disappears. The Electronic Dept. has informed us that other machines down the road may start showing an Error Code "08" and yet everything is functioning properly.
5. The circuit boards with the new chip will have a Revision level of 10036 stamped onto it and will be in production soon. If questions arise, please contact Dan Super, Conformance Engineering or Bob Erko, Electronic Engineering.