

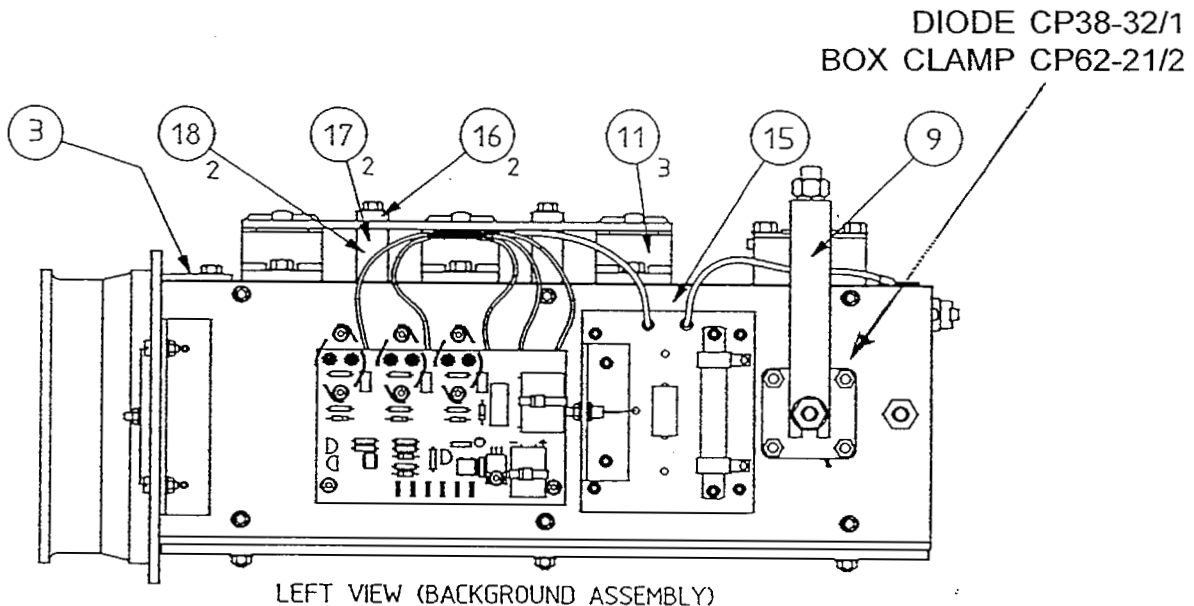
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BULLETIN.131

CP38-13 BACKGROUND DRIVER BOARD

A CP38 was recently returned to the factory with an unusual fault. Various components of the CP38-13 background driver board had failed including the Transzorbis (3 off) which are connected across the mosfets. The CP38-13 board had previously been replaced following which the machine had worked for a short time, then subsequently failed again.

Investigation showed that the fault occurred as a result of a loose background fly wheel diode. This component is mounted in a box clamp, and the clamp in question was missing one of the two Belleville washers which apply the intended clamping pressure. With intermittent or high resistance at this point in the circuit, excessive voltage was applied to the transzorbis leading to their eventual overheating and failure. It is possible that the fault may be present in other CP38's in the field.



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