



Service data bulletin

Instrument: GDS101

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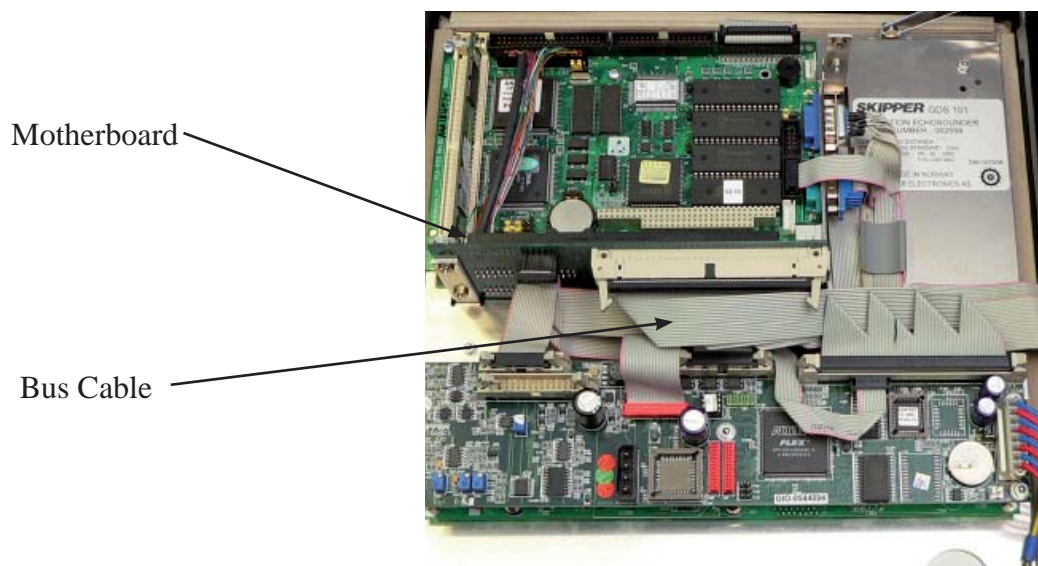
SUBJECT: Some versions of the GDS 101 Echosounder has shown a fault where the screen freezes or the system reboots periodically. This can be attributed to the ISA bus. And can often be temporarily fixed by reseating the CPU or the large bus cable.

SKIPPER Electronics has found some motherboards with bad contact. This is caused by dirt on contact surface or defective contact springs on motherboard ISA plug.

In addition some of the bus cables also have a similar problem and a new improved version is now available part ZZK-01081

SYMPTOMS: All sorts of CPU related problems -freezing, rebooting, black screen

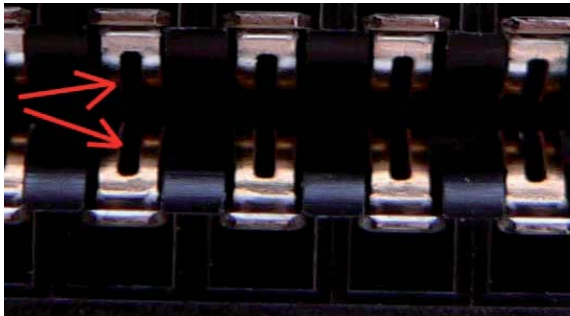
WHAT TO DO: SKIPPERs recommendation is to change the cable and motherboard if required. The cable can be identified by the presence of a resistor in the cable as shown below.



Bus cable with potential problem can be identified by a resistor soldered into the flat cable itself



Bifurcated contact spring
(Bifurcated=Contact surface is divided into two parts)



Non bifurcated contact spring

