

TECHNICAL BULLETIN

For the Attention of : Service Engineers, Installers, Trade Customers, Testers & Training Dept

Date : 15/12/06

Product : System 21 - Nexus control panels manufactured from 28th March 2005

Subject : Possible nuisance 'PS3 - out of service' faults occurring

Status : Service issue

Pages : 2

Originator : Stannah Lifts Ltd, Anton Mill, Andover, Hants SP10 2NX 01264 339090

Detail

An error has occurred on wiring diagrams related to the new 'multilayer' Nexus main I/O pcbs. The outcome is that a zener diode was wired onto control panels unnecessarily. This addition *may* cause nuisance tripping of the lift putting it out of service.

On the earlier Nexus design, a zener diode was placed between S+ terminal and the 'S+ sense' input on the Nexus. When the Nexus I/O was later modified, the zener diode was brought onto the PCB but was not changed on the circuit diagram. Hence 2 zeners were effectively in series in the circuit.

The condition that may occur on site is that when the S+ 12v circuit reduces by a small amount, the lift will record the fault as 'PS3' putting the lift out of service.

It is important though that this mod is only carried out on control panels with the new 'multilayer' type Nexus.

After completing the modification, the key wiring diagram should be modified to reflect the change with reference to this technical bulletin.

Summary

To avoid the possibility of 'nuisance' tripping of the lift, the 2V7 zener found soldered onto the group panel should be replaced with a shorting wire. But only on lifts using the new Nexus 'multi layer' main I/O board as identified on the following page ;

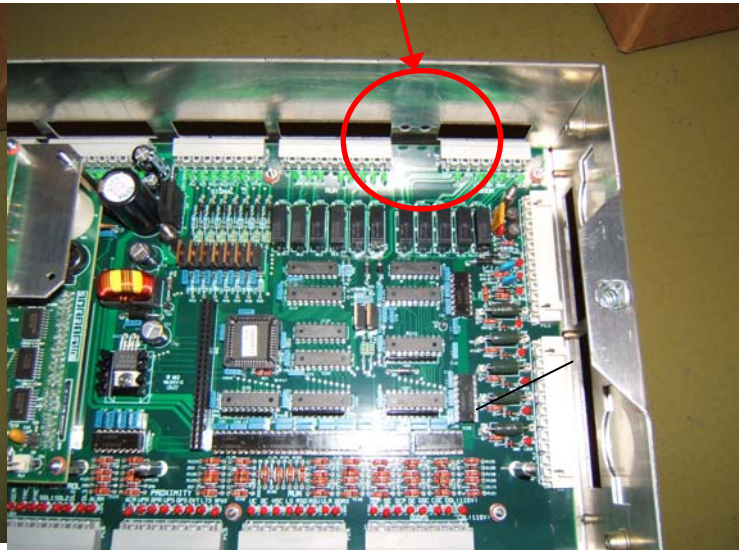
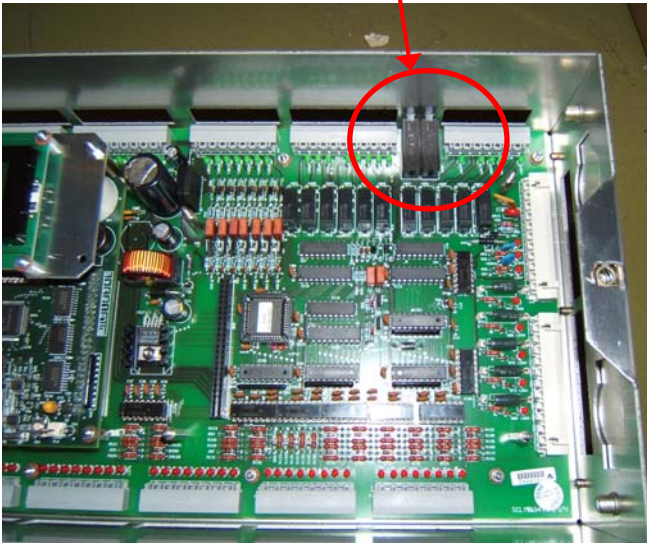
Please contact the training or design dept here at Stannah Lifts Ltd for any questions relating to this modification.

Helpdesk 07766 057274

OLDER NEXUS DESIGN

NEWER 'MULTILAYER' NEXUS DESIGN

(Plastic circuit breakers fitted)



Action to be taken :

None

Action to be taken ;

If a zener diode is fitted to the control panel between S+ sense terminal on Nexus and the S+ terminal on the din rail then cut the white wire as it connects to the zener from the din rail, strip the end and wire it into the S+ sense terminal on Nexus.

The 2V7 zener can be identified as follows ;

Value = 2V7
 Component ID = BZX85C
 Stannah Part No. = 913087
 Description = Orange with Black band

