

PRODUCT SERVICE ADVISORY

**PowerFlex 700 AC Drives (20B), PowerFlex 700S (20D) AC Drives,
Frame 5, AC Input only and Spare Part Kit # SK-G9-XFMR1-F5**

Ref: CPAG 2006-10-003

Date: October, 2006

Dear Rockwell Automation Customer,

The purpose of this Product Service Advisory is to inform you of a functional issue that exists with:

- PowerFlex 700 AC Drives, Frame 5 AC input with catalog numbers beginning with:
(Note that these are Base Catalog numbers only – the first 7 characters of the catalog string.)
20BC105
20BC125
20BC140
20BD096
20BD125
20BE077
20BE099
20BF052
20BF060
20BF082
20BF098
- PowerFlex 700S AC Drives, Frame 5 AC input with catalog numbers beginning with:
(Note that these are Base Catalog numbers only – the first 7 characters of the catalog string.)
20DC105
20DC125
20DC140
20DD096
20DD125
20DE077
20DE099
20DF052

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20DF060
20DF082
20DF098

Frame 5 Fan Transformer Spare Part Kit # SK-G9-XFMR1-F5

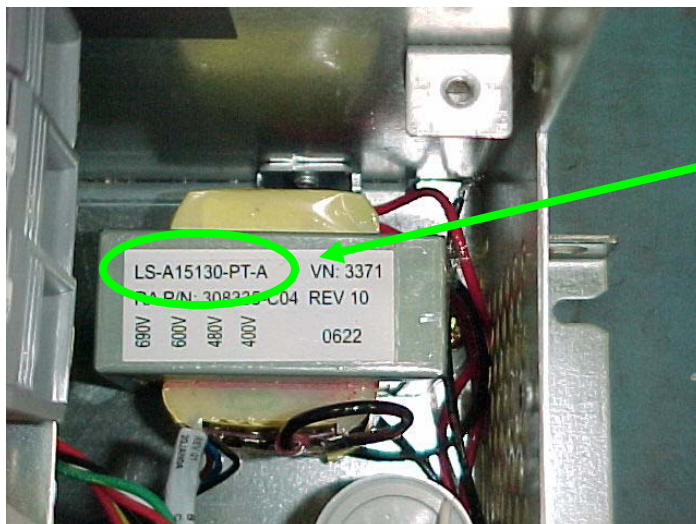
This Advisory explains the functional issue and the steps being taken to rectify the situation.

- Issue Description -

With the PowerFlex 700 Frame 5 and PowerFlex 700S Frame 5, hereafter referred to as PowerFlex 700/700S drives, the following functional issue exists:

Functional Issue – Frame 5 Fan Transformer Failures

- PowerFlex 700/700S Frame 5 AC input drives have experienced fan transformer failures with transformer part #LS-A15130-PT-A. If the transformer fails, the fan will cease operation and the drive may experience heatsink over-temperature faults. When the transformer fails, an ionization occurs that may cause additional failures or damage within the drive.
- The issue can be avoided with an alternate fan transformer.



Note Transformer Part
Number
“LS-A15130-PT-A”

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-Temporary Workarounds -

There is no temporary workaround for this issue. Drives may continue to operate with the transformer part #LS-A15130-PT-A, however, the failure of this part may cause drive damage beyond the transformer.

- Product Identification -

Product **affected** by this Product Service Advisory includes PowerFlex 700 and PowerFlex 700S drives and kits beginning with the following catalog numbers. Verify the drive catalog number. If this advisory applies to your drive, verify the fan transformer part number using the procedure in Steps 1, and 2 below.

- PowerFlex 700 AC Drives, Frame 5 AC input with catalog numbers beginning with:
(Note that these are Base Catalog numbers only – the first 7 characters of the catalog string.)
20BC105
20BC125
20BC140
20BD096
20BD125
20BE077
20BE099
20BF052
20BF060
20BF082
20BF098
- PowerFlex 700S AC Drives, Frame 5 AC input with catalog numbers beginning with:
(Note that these are Base Catalog numbers only – the first 7 characters of the catalog string.)
20DC105
20DC125
20DC140
20DD096
20DD125
20DE077
20DE099
20DF052
20DF060
20DF082
20DF098

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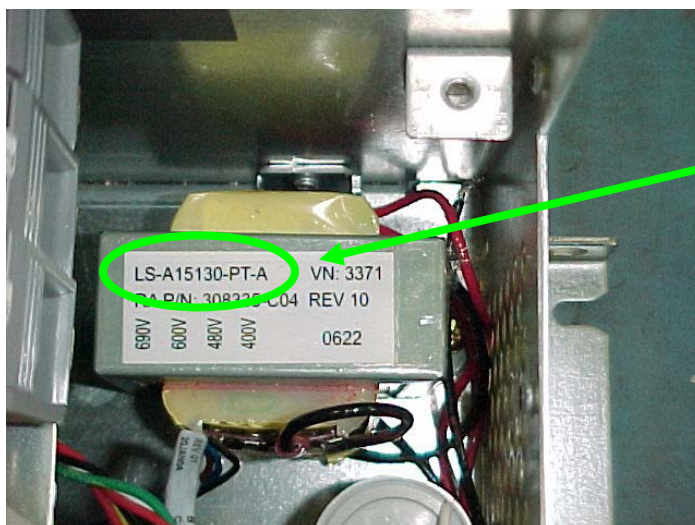
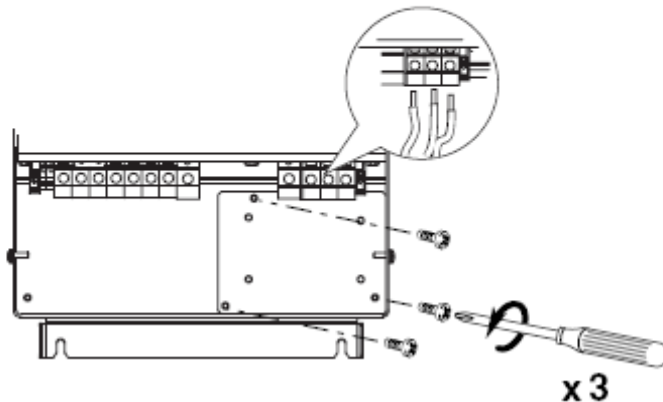
- Frame 5 Fan Transformer Spare Part Kit # SK-G9-XFMR1-F5
- Rockwell Automation shipped the affected products between September 15, 2005 and August 31, 2006.
- The suspect fan transformer can be identified by transformer part #LS-A15130-PT-A. The transformer is located at the bottom of the drive and can be accessed as shown below.

Step 1. REMOVE ALL POWER FROM THE CABINET AND DRIVE

Step 2.

- A. Remove the R, S & T power wires from the terminal block. Remove screws from cover plate.**

Figure 1



Note Transformer Part Number
"LS-A15130-PT-A"

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- Issue Correction -

The functional issue described above has been **corrected** in the following versions of the PowerFlex 700 and PowerFlex 700S drives and spare parts kit:

- PowerFlex 700 and PowerFlex 700S Frame 5 drives (with catalog numbers noted above) shipped on or after September 1, 2006.
- Frame 5 Fan Transformer Spare Part Kit # SK-G9-XFMR3-F5.

Any PowerFlex 700 or PowerFlex 700S Frame 5, AC Input drive with one of the catalog numbers noted above that has transformer part #LS-A15130-PT-A should have the transformer replaced. Kit # SP-337035-A01 includes the replacement component and instructions.

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-Requested Customer Action-

Each notified customer should take the following actions:

- Confirm that you have the affected products.
- Immediately contact your local Rockwell Automation Sales and Support office to determine the appropriate course of action. Together, you and the local office will determine the correction for your situation.

If you require any further technical assistance, contact Rockwell Automation Technical Support (**262**) **512-8176** or your local Rockwell Automation Sales and Support office.

We appreciate your immediate cooperation in this matter. If you have any questions, please contact us.