

**PRIORITY**

<input type="checkbox"/>	Mandatory	<input checked="" type="checkbox"/>	As Required
<input type="checkbox"/>	Next Visit	<input type="checkbox"/>	At Installation
<input checked="" type="checkbox"/>	Information		

# FIELD SERVICE BULLETIN

February 4, 2019

FSB 917

## Chameleon Headboard RECOM DC-DC Convertor Issue

**PRODUCT** Chameleon Ultra, Vision and Vision-S

**PURPOSE** To inform the service organization of a potential issue with a specific type of DC-DC convertor found on a quantity of Chameleon headboards.

**DESCRIPTION** The DC-DC converter found on the Chameleon headboard can either be one of the following types RECOM or TRACO. During in-house failure analysis we have found that the RECOM version operates at a higher temperature and the part itself can get hot over time, potentially causing failure in the headboard circuitry. The TRACO version does not exhibit this issue.

**Typical failure symptoms:**

Mode-locking disruption, railed PZTs and power loss due to the failure of the PZT tracking function.

## Identifying the DC-DC convertor type

The location of U12 and U22 DC-DC convertors are shown in Fig 1. Fig 2 shows the TRACO type and Fig 3 shows the RECOM type.

Fig 1

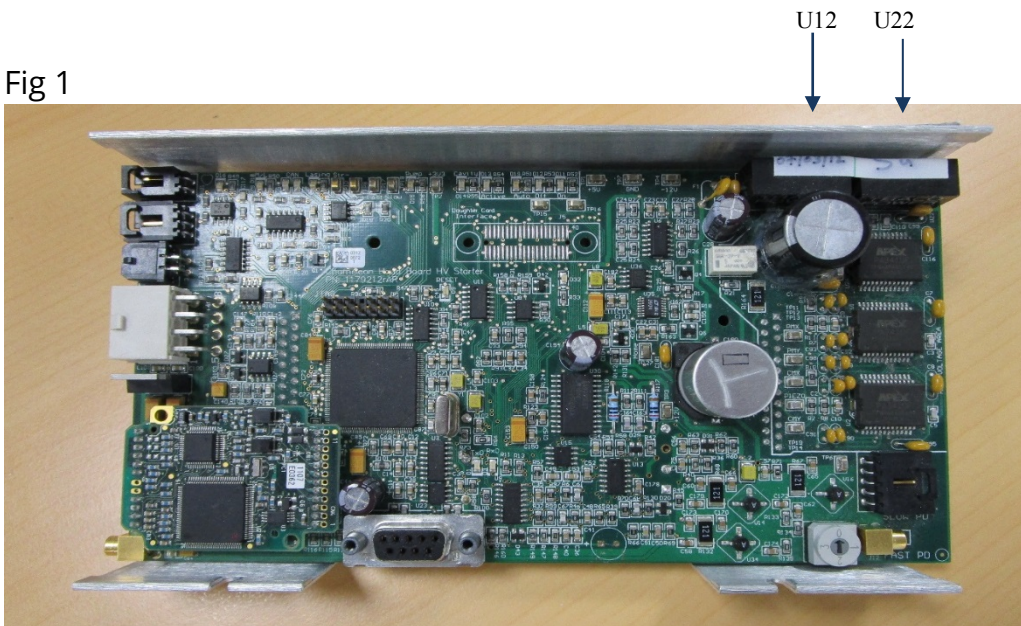


Fig 2



Fig 2

U12 and U22

Type: **TRACO**

**Continue with trouble shooting**

Fig 3

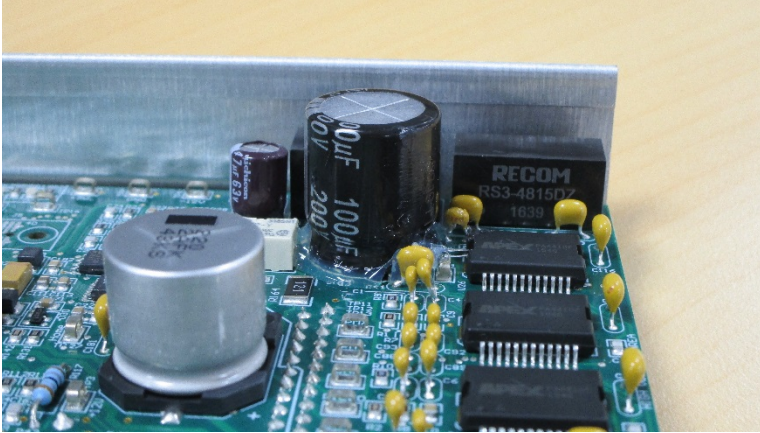


Fig 3

U12 and U22

Type: **RECOM**

**REPLACE HEADBOARD**

## ACTION

For Chameleon laser systems which exhibit any of the [‘typical failure symptoms’](#) verify the DC-DC convertor type on the Chameleon headboard before making the decision to swap the laser. If the type is [RECOM](#) replace the Chameleon headboard. If the type is [TRACO](#), then continue with trouble shooting, bearing in mind that there may still be an issue with the Chameleon headboard.

**For more information contact: PSE Owen J. Morrison**