

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

FIELD SERVICE BULLETIN

DATE ISSUED: 29 July 2011

NUMBER: 624

SERVICE UPDATE

For internal use only

PRODUCT Chameleon Vision

PURPOSE Inform Field Service of a potential field failure of the Vision shutter actuator

DESCRIPTION There has been three very recent reported issues with the shutter actuator failing in the Chameleon Vision. The common fault symptom is:
Open shutter, Verdi current ramps to zero, Shutter /state Mismatch fault “Fault # 31”.

Figure 1

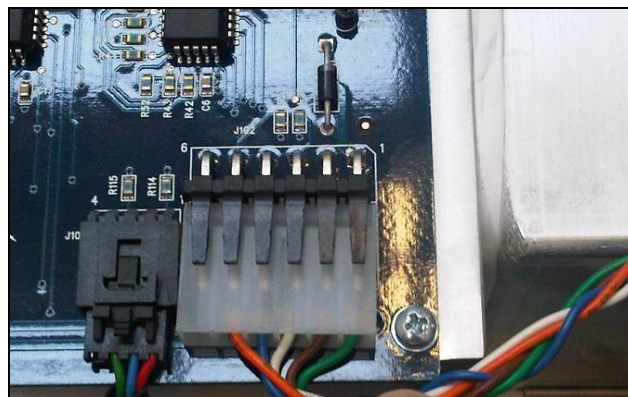
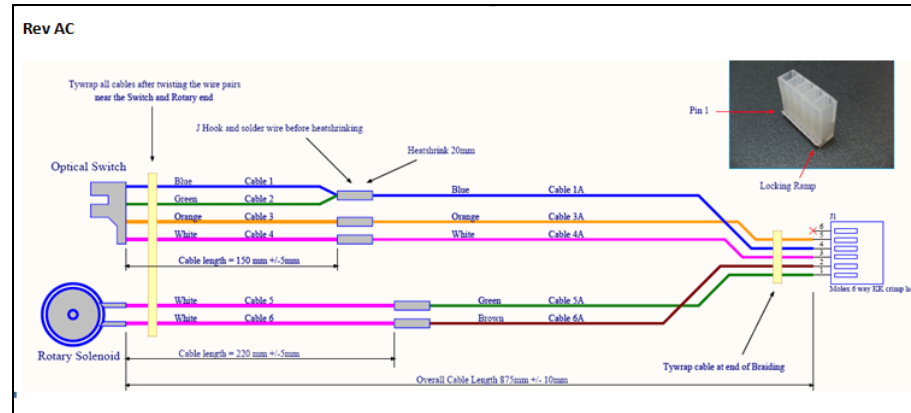


Figure 2



The supplier of the shutter actuator has wired some of the actuators incorrectly. The correct wiring is shown in Fig 1 and Fig 2 above. The J102 connector on the Verdi head board should be wired from pin 1 to pin 5 as Green, Brown, White, Blue, and Orange. We have checked all of our stock and discovered that some of the connectors have the Blue & Orange wires (pins 4 & 5) reversed.

The shutter initially works with this configuration sufficiently to get through the build phase, but after a short period of time the opto-coupler will fail.

ACTION REQUIRED For any Vision laser that is not yet installed, the outer lid should be removed before powering on and the J102 connector should be inspected for the correct wiring. Should you identify one that is wired incorrectly, it is safe to swap the wires over. If you identify one that has failed with the symptoms described above, a replacement shutter actuator is required. The replacement is a simple job but access to the underside of the laser is required.

The FRU part number is 1170716 and replacement instructions are detailed in the Chameleon service manual and Agile controlled document D137331.

Lasers manufactured in Scotland are subject to random serial number generation therefore it is not feasible to provide the affected range in this field service update. Any laser that is currently running is not likely to be affected, as the common symptoms will occur during installation or shortly afterwards. The affected range is within lasers manufactured from January 2011 to July 2011. The supplier is unable to quantify the number of actuators wired incorrectly during this period. Every laser shipped after July 20 2011 has already been inspected and is correctly wired.

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