



California Institute of Technology
Massachusetts Institute of Technology

Document Change Notice (DCN)

DCN No. E040511-00-D

Sheet 1 of 2

DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV
D040339-A-D	TCS INTERFACE	A1

CHANGE DESCRIPTION (FROM/TO): Release Schematic #D040339-A1-D
 The connection of the aim laser output to a 9 volt regulator output is changed to a 5 volt regulator output in this schematic.

REASON FOR CHANGE: 5 volt laser diodes were discovered at the sites, which could not run on +9 volts.

ACTION: Incorporate Change Attach DCN to Drawings Other Action (specify): **RELEASE DWG.**

DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)	DCN DISTRIBUTION																		
<input type="checkbox"/> No hardware was affected (record change only):	<table border="0"> <tr> <td>Barish</td> <td>Coyne</td> <td>Fritschel</td> </tr> <tr> <td>Giaime</td> <td>Lazzarini</td> <td>Lindquist</td> </tr> <tr> <td>Raab</td> <td>Shoemaker</td> <td>Sibley</td> </tr> <tr> <td>Sigg</td> <td>Tyler</td> <td>Weiss</td> </tr> <tr> <td>Whitcomb</td> <td>Worden</td> <td>Zucker</td> </tr> <tr> <td>R. Wooley</td> <td>McCarthy</td> <td></td> </tr> </table>	Barish	Coyne	Fritschel	Giaime	Lazzarini	Lindquist	Raab	Shoemaker	Sibley	Sigg	Tyler	Weiss	Whitcomb	Worden	Zucker	R. Wooley	McCarthy	
Barish		Coyne	Fritschel																
Giaime		Lazzarini	Lindquist																
Raab		Shoemaker	Sibley																
Sigg		Tyler	Weiss																
Whitcomb		Worden	Zucker																
R. Wooley	McCarthy																		
<input checked="" type="checkbox"/> List S/Ns which comply already: #6, #7, #8																			
<input checked="" type="checkbox"/> List S/Ns to be reworked/scrapped: #1, #2, #3, #4, #5																			
<input type="checkbox"/> List S/N's to be built with this change:																			
<input checked="" type="checkbox"/> List S/Ns to be retested per this change: #1, #2, #3, #4, #5																			
<input type="checkbox"/>																			

SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT? NO YES (If YES, enter CR (CCB) or TCP (TRB) #)

APPROVALS:	DATE	OTHER APPROVALS (SPECIFY)	DATE
ORIGINATOR: Jon Allen	12/16/04		
TASK LEADER: David Ottaway			
GROUP LEADER: David Shoemaker			

DCC RELEASE:



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CHANGE DESCRIPTION (FROM/TO):

The PCB trace connecting K1 pin 10 to U10 pin 3 on the circuit side of the PCB is cut, allowing for a wire jumper soldered to U10 pin3 and U9 pin 3. This changes the supply voltage switched to the aim laser output on J3 from +9 volts to +5 volts, allowing for the use of 5 volt laser diodes. This is easily reworked by removing the lower half of the clamshell enclosure by unscrewing the two mounting screws on the lower side of the side extrusions, prying the bottom straight down and off, providing x-acto blade and soldering iron access to the trace and pins mentioned.