



**California Institute of Technology
Massachusetts Institute of Technology**

Document Change Notice (DCN)

DCN No. E030308-00-E

Sheet 1 of 2

DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV
D020408-A-E	BSC Double Start Counterwound Spring	B

CHANGE DESCRIPTION (FROM/TO):

Revision A is the version initially installed in the LASTI prototype HEPI and MEPI systems.
Revision B is the final design for production and installation at LLO.

Changed note 4 from ...13/16-20 threads... to ...3/4- x 20 thread... (see D020408-B, sheet 1)

Changed length of spring from 13" to 10" (see D020408-B, sheet 2)

Removed mass from mid –section of spring (central mass reduction) (see D020408-B, sheet 2, face of drawing)

Removed 3.50" x .25" bore (see D020408-B, sheet 2)

Merged two central stress relief holes (see D020408-B, sheet 2)

Changed outer stress relief holes dimension from 1.85" to .86". (see D020408-B, sheet 2)

REASON FOR CHANGE: Mass Reduction

ACTION: Incorporate Change Attach DCN to Drawings Other Action (specify):

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>Coles</td> <td>Coyne</td> </tr> <tr> <td>Lazzarini</td> <td>Lindquist</td> <td>Sanders</td> </tr> <tr> <td>Shoemaker</td> <td>Stapfer</td> <td>Tyler</td> </tr> <tr> <td>Weiss</td> <td>Whitcomb</td> <td>Matherny</td> </tr> <tr> <td>Raab</td> <td></td> <td></td> </tr> <tr> <td></td> <td>J. Kern</td> <td>K. Mailand</td> </tr> <tr> <td></td> <td>B. Lantz</td> <td>J. Giaime</td> </tr> <tr> <td></td> <td>K. Mason</td> <td></td> </tr> </table>	Barish	Coles	Coyne	Lazzarini	Lindquist	Sanders	Shoemaker	Stapfer	Tyler	Weiss	Whitcomb	Matherny	Raab				J. Kern	K. Mailand		B. Lantz	J. Giaime		K. Mason	
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	K. Mason																								
<input type="checkbox"/> List S/Ns which comply already:																									
<input type="checkbox"/> List S/Ns to be reworked/scrapped:																									
<input checked="" type="checkbox"/> List S/N's to be built with this change: all future units; all production units for LLO																									
<input type="checkbox"/> List S/Ns to be retested per this change:																									
<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: Marcel Hammond	6/2/03	(2) Brian Lantz (Cognizant Engineer)	7/8/03
TASK LEADER: (1) Jonathan Kern	6/29/03		
GROUP LEADER: (3) Dennis Coyne			

DCC RELEASE:



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Sheet 2 of 2

CHANGE DESCRIPTION (FROM/TO):

Changed thread callout on connector from 13/16-20 to 3/4-20 (see D020408-B, sheet 3)

Changed overall length of connector from 6.5" to 7.375 "(see D020408-B, sheet 3)

Changed thread callout on connector from 13/16-20 x 3.50" length to 3/4-16 x 5.0" length ground thread (see D020408-B, sheet 3)

Changed connector thread callout from 3 1/4-16 UN-1B thread x .65" w/full thread relief length to 3 1/4-16 UN-1B thread x .375 length (see D020408-B, sheet 3)

Removed 3.50" O.D. x .25" feature (see D020408-B, sheet 3)