



DOCUMENT CHANGE NOTICE (DCN)

DOCUMENT No. (DOC-REV-GP. ID)	40M TEST MASS SUSPENSION UPDATES	NEW REV.
D010163-A-D	40m TM SUSPENSION	B
D010165-A-D	40m TM SAFETY CAGE BASE	B
D010166-A-D	40m LEG, FRONT	B
D010167-B-D	40m LEG, BACK	C
D010172-A-D	40m HEAD HOLDER, TOP	B

CHANGE DESCRIPTION (FROM/TO):

D010173-A-B	40m TM HEAD HOLDER, SIDE	B
D010176-A-D	40m TM TOP PLATE	B
D020521-00-D	40m TM TOP BRACKET	A
D020527-00-D	40m TM STOP	A

The changes to the above drawings were made to facilitate easier hanging and balancing of the test mass in the suspension cage. The changes include moving the stiffeners up by 2" to get them out of hands way, increasing the size of the hole in the top plate to make room for fingers mounting the clamps, making the safety cage base's mounting holes into slots to increase adjustability of the positioning of the base, and removing the safety bars and braces (D010163, items 11 and 12) and replacing them with a new bracket that is designed like a bracket on the SOS suspension assembly, D960001. This new SOS-like bracket will add two more face stops, on the front and back of the optic, which make balancing and installation much less stressful. Another change detailed here is to reduce the width and add access holes in the side head holders for an allen key to adjust the side stops. There was not enough finger room to use those stops. Changes detailed on Sheet 2

REASON FOR CHANGE: See above.

ACTION: Incorporate change Attach DCN to drawing(s) Other action (specify):

DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)

- No hardware affected (record change only)
- List S/Ns which comply already:
- List S/Ns to be reworked or scrapped:
- List S/Ns to be built with this change:
- List S/Ns to be retested per this change:
- The 40m ITMs are of the original design. The two ETMs will be made
- to this design configuration.
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DCN DISTRIBUTION (X=incl. docs)

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Coyne	Lazzarini	Lindquist
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Stapfer	Tyler	Weiss
Whitcomb	Zydowicz	
Barton	X A. Weinstein	
Jones		
Heefner		
X Romie		
Fritschel		

SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT? No Yes (If yes, enter Change Request number)

APPROVALS:	DATE	OTHER APPROVALS (specify)	DATE
ORIGINATOR: J. Romie	11-6-02		
TASK LEADER: Alan Weinstein			
GROUP LEADER: Dennis Coyne			
DCC RELEASE:			



DOCUMENT CHANGE NOTICE

CHANGE DESCRIPTION (FROM/TO):

D010163, 40m TM Suspension: Parts List Remove items 11 and 12 and 40. Add D020521 in the place of item 40. Check all quantities. Change pictorial to reflect changes in the Parts List.

D010165, 40m TM Safety Cage Base: zone B3, FROM 4x, .280 dia thru TO 4x, .380 x .280 slot, thru.

D010166, 40m TM Leg, Front: zone B/C2, FROM 9.79 TO 11.79. Zone B/C3, FROM 9.29 TO 11.29. Zone B4, FROM 2x, .142 dia thru, TO 2x, .156 dia thru.

D010167, 40m TM Leg, Back: zone C3, FROM 9.79 TO 11.79. Zone C4, FROM 9.29 TO 11.29. Zone C5, FROM 2x, .142 dia thru, TO 2x, .156 dia thru. Zone D5, FROM 4x, .281 dia thru TO 4x, .313 dia thru.

D010172, 40m TM Head Holder, Top: Add slot for earthquake stop. Add holes for D020521 bracket.

D010173, 40m TM Head Holder, Side. Add clearance holes for stops on corner brackets, D010170, behind them. Zone B2, From .551 TO .45 width.

D010176, 40m TM Top Plate. Zone E5/6, FROM .75 TO 1.75 and FROM 2.71 TO 1.71.

D020521, 40m TM Top Bracket. Initial Release

D020527, 40m TM Stop. Initial Release