



California Institute of Technology  
Massachusetts Institute of Technology

DCN NO: E030020-00-C

# Document Change Notice (DCN)

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DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV
D000347-B1	Mode Cleaner Servo Board	B2

### CHANGE DESCRIPTION (FROM/TO):

- (1). Remove C44, C90, C92, C97, C98, C100, C101.
- (2). Remove R85, R150, R164, R165, R171, R173, R174, R175 R176, R177, R178, R180, R182.
- (3). Remove U38 (LT1125), JP2, JP10, The Elliptical Filter and Notch Filter Daughter Boards.
- (4). Change C52 to a jumper wire.
- (5). Change Cadd4 (3.3pF) to 10pF.
- (6). Change C24 (20nF) and C31 (20nF) to 10nF.
- (7). Change R94 (10KΩ) and R105 (3.16KΩ) to 1KΩ.
- (8). Change R149 (1.6KΩ), R163 (7.5KΩ), R179 (7.5KΩ), and R181 (7.5KΩ) to 100Ω.
- (9). Change R103 (1.59KΩ) to 1.58KΩ.
- (10). Change R125 (1KΩ), R127 (1KΩ), R126 (4KΩ), R109 (27KΩ), and R110 (79.6KΩ) to 2KΩ.
- (11). Change R172 (1KΩ) and R168 (500Ω) to 0.0 Ω.

**REASON FOR CHANGE:** E – Log changes.

**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):	Barish	Coles	Coyne
<input type="checkbox"/> List S/Ns which comply already: None	Lazzarini	Lindquist	Sanders
<input type="checkbox"/> List S/Ns to be reworked/scrapped: ALL	Shoemaker	Stapfer	Tyler
<input type="checkbox"/> List S/N's to be built with this change:	Weiss	Whitcomb	Matherny
<input type="checkbox"/> List S/Ns to be retested per this change: ALL	Raab		
<input type="checkbox"/>			

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

APPROVALS:	DATE	OTHER APPROVALS (SPECIFY)	DATE
<b>ORIGINATOR:</b> Mohana Mageswaran	05-23-03		
<b>TASK LEADER:</b> Rich Abbott			
<b>GROUP LEADER:</b> Dennis Coyne			
<b>DCC RELEASE:</b>			



**Document Change Notice (DCN)**

**CHANGE DESCRIPTION (FROM/TO):**

- (12). Change U4 (LT1125), U5 (LT1125), U10 (LT1125), U14 (LT1125), U15 (LT1125), U17 (LT1125), U22 (LT1125), U24 (LT1125), U25 (LT1125), U34 (LT1125), U35 (LT1125) to LT1216.
- (13). Change U11 (LT1128) and U28 (LT1128) to AD829. And add a capacitor 27pF between pin 5 and ground.
- (14). Add a 10pF capacitor in parallel with R126.
- (15). Add a 20pF capacitor in parallel with R113.
- (16). Add a 33pF capacitor in parallel with R59.
- (17). Add 51pF capacitors in parallel with R5, R7, R27, R29, R34, R46, and R58.
- (18). Add 100pF capacitors in parallel with R77 and R81.
- (19). Connect JP8-2 to ground.
- (20). Elliptic Filter and Notch Filter Daughter Boards are not installed.
- (21). Set jumpers JP6 and JP3 to the 2-3 connected position.