



DOCUMENT CHANGE NOTICE (DCN)

DCN No. E010168-00-C

Sheet 1 of 1

DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV.
D980536-D-C	Frequency Stabilization Servo See attached Cut-and-Jumper report (p.1)	E

CHANGE DESCRIPTION (FROM/TO):

1. R31 from 100K to 402K
2. U7 from LT1028 to OPA27
3. Hex-diode assembly added from U19-6 to ground
4. External 1 ufd cap now formally designated C100. This capacitor should be a low loss polycarbonate type
5. C16 is shorted
6. C57 is not installed
7. R44 and C42 are not installed

REASON FOR CHANGE:

1. System Requirement – transfer function change 2. U7 runs in a high-frequency unity gain mode & LT1028 is not unity-gain stable 3. Limit fast output dynamic range 5/6. Components not needed 7. Noise gain increase eliminated

ACTION:

Incorporate Change Attach DCN to drawings(s) Other action (specify):

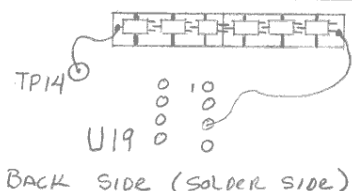
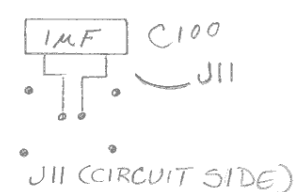
DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)	DCN DISTRIBUTION
No hardware affected (record change only)	Coyne, R/B Abbott, Heefner, Savage, King, Liu, Tyler, McCarthy, Wooley, Russell, Sanders, Matherny, Whitcomb, Coles, Raab, Weiss, Stapfer, Lindquist Lazzarini, Shoemaker, Kovalik, Bovich, Barish
List S/Ns which comply already:	
List S/Ns to be reworked or scrapped:	
List S/Ns to be built with this change: All S/N BL20XX	
List S/Ns to be retested per this change:	

SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT?		<input type="checkbox"/> NO	<input type="checkbox"/> YES (If yes, enter CR (CCB) or TCP (TRB) No.
APPROVALS	DATE	OTHER APPROVALS (specify)	
Originator: R. Karwoski	Oct 21, 01		
Task Leader:			
Group Leader: D. Coyne			
DCC Release:			

CUT & JUMPER DESCRIPTION

Board or Module/Rev	FRONT STAB. SERVO D 980536-E-C REV. E
DCN	E010168-00-C
Date	Oct 14, 2001

Draw the physical representation of the engineering change that needs to be implemented, and reference the DCN item number.

<p>③ LOCATE TP14 ON THE COMPONENT SIDE OF BOARD, FLIP CARD OVER. EPOXY DIODE BOARD IN PLACE. CONNECT AS SHOWN IN DIAGRAM TO THE RIGHT.</p>	 <p style="text-align: center;">BACK SIDE (SOLDER SIDE)</p>
<p>④ ON THE CIRCUIT SIDE OF BOARD, MOUNT THE EXTERNAL CAPACITOR C100 AS SHOWN IN DIAGRAM TO THE RIGHT AND EPOXY DOWN.</p>	 <p style="text-align: center;">J11 (CIRCUIT SIDE)</p>