



California Institute of Technology
Massachusetts Institute of Technology

DCN No. E010181-00-C

Document Change Notice (DCN)

Sheet 1 of 1

DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV
D980013-D	LOS Suspension Controller	D1

CHANGE DESCRIPTION (FROM/TO):

Two stages (4 poles) of the 10 pole chebychev filter need to be removed for each degree of freedom. The steps are as follows:

1. Remove resistors R111, R126, R155, R300 .
2. Remove op amp output connection to R115, R130, R159, R195. This is best done by "standing up" the resistor.
3. Place wire from "input" side of R111, R126, R155, R330 to "input" side of R115, R130, R161, R195. (reference schematic D980013-D1.
4. Remove coil driver compensation by removing capacitors C23, C35, C45, C153 and resistors R63, R79, R96, R186. This stage is not necessary since the coil drivers are always run in the "acquire" mode.

REASON FOR CHANGE: Eliminate excess sensor noise feedthrough in the frequency band from 1 to 10Hz.

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>Lindequist</td> <td>Sanders</td> </tr> <tr> <td>Shoemaker</td> <td>Stapfer</td> <td>Tyler</td> </tr> <tr> <td>Weiss</td> <td>Whitcomb</td> <td>Young</td> </tr> </table>	Barish	Coles	Coyne	Lazzarini	Lindequist	Sanders	Shoemaker	Stapfer	Tyler	Weiss	Whitcomb	Young
Barish		Coles	Coyne										
Lazzarini		Lindequist	Sanders										
Shoemaker		Stapfer	Tyler										
Weiss		Whitcomb	Young										
<input type="checkbox"/> List S/Ns which comply already:													
<input type="checkbox"/> List S/Ns to be reworked/scrapped:													
<input type="checkbox"/> List S/N's to be built with this change:													
<input type="checkbox"/> List S/Ns to be retested per this change:													
<input checked="" type="checkbox"/> Upgrade all units where excess noise is													

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

APPROVALS:	DATE	OTHER APPROVALS (SPECIFY)	DATE
ORIGINATOR: Heefner	10/8/01		
TASK LEADER:			
GROUP LEADER:			
DCC RELEASE:			