201

ENGINEERING CHANGE ORDER

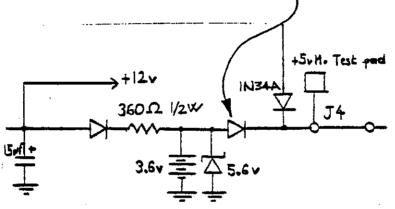
PRODUCT AFFECTED

DSX

DRAWINGS AFFECTED

DESCRIPTION OF CHANGE

Change 1N4148 diode in battery backup Circuit to IN4002 (or equiv.).



REASON FOR CHANGE

Occasionally the IN4148 opens & then backup does not work.

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	150	1-4-82
RETROFIT UNITS IN PRODUCTION AND INVENTORY		1
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	250	1-4-82

ECO NO. 202 (2 SHEETS)

PRODUCT AFFECTED DRAWINGS AFFECTED DSX SCHEMATIC PARTS LIST DESCRIPTION OF CHANGE 1. REMOVE DSX PROCESSOR BOARD BY DIS-CONNECTING CONNECTORS A THROUGH E AND UNSCREWING THE TEN SCREWS. 2. REMOVE JUMPER BETWEEN UTS PIN 24 AND UTS PIN 21 ON BACK OF BOARD. 3. CUT TRACE BETWEEN U75 PIN 18 AND U46 PIN 9 ON BACK OF BOARD. 4. CUT TRACE BETWEEN USO PIN 7 AND FIRST FEED-THROUGH ON BACK OF BOARD. -5. ADD JUMPER BETWEEN USO PIN 7 AND UTS PIN 18 ON BACK OF BOARD. 6. ADD JUMPER BETWEEN UTS PIN 21 AND U7.6 PIN 21 ON BACK OF BOARD. 7. ADD JUMPER BETWEEN U49 PIN 7 AND FEED-THROUGH ON BACK OF BOARD. 8. PLACE BOARD BACK IN CHASSIS AND RE-CONNECT ALL CONNECTORS AND SCREWS. 9. REPLACE E-PROMS: E-PROM 'CØ' GOES INTO U76 E-PROM'CI' GOES INTO U63 E-PROM 'CZ' GOES INTO UTS

BACK OF PROCESSOR BOARD -

TO ALLOW FOR EXTRA STORAGE OF NEW SOFTWARE BY CHANGING UTS FROM A 2716 E-PROM TO A 2732 E-PROM.

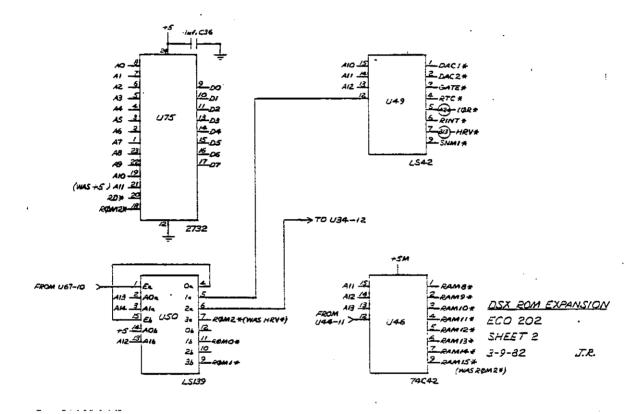
EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	ming	(l l
RETROFIT UNITS IN PRODUCTION AND INVENTORY	/	
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	336	2 0.37

ECO NO. 202 PAGE 2

PRODUCT AFFECTED

DRAWINGS AFFECTED

DESCRIPTION OF CHANGE



REASON FOR CHANGE

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	m Me	-
RETROFIT UNITS IN PRODUCTION AND INVENTORY		•
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	Ga Ga	

OBERHEIM ELECTRONICS, INC.

ECO NO. 203

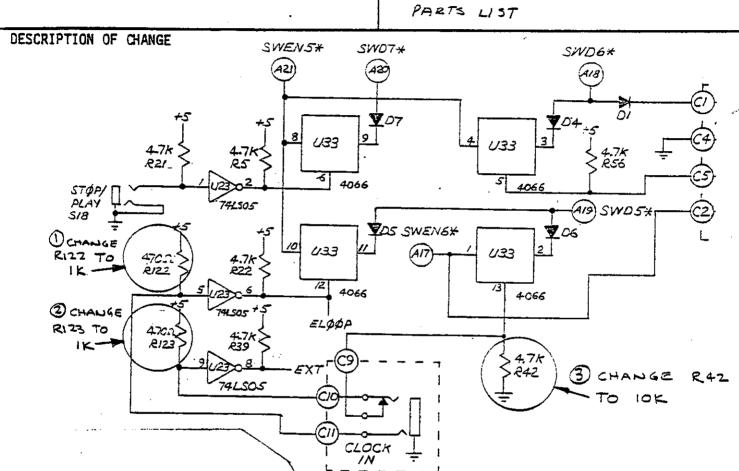
ENGINEERING CHANGE ORDER

PRODUCT AFFECTED

DSX

DRAWINGS AFFECTED

PARTS LAMOUT



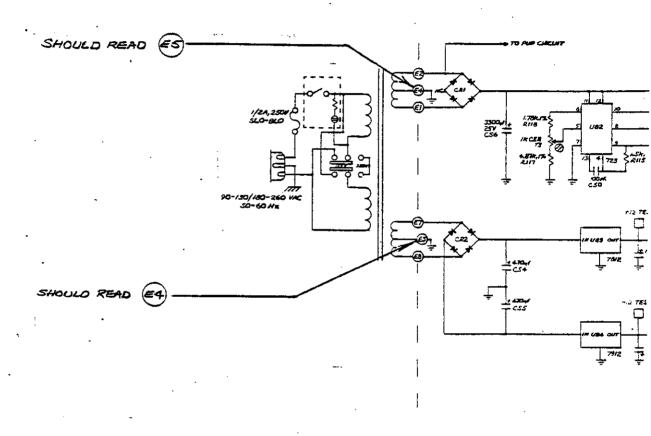
REASON FOR CHANGE

TO REDUCE CLOCK NOISE WHEN DSX IS SLAVED TO DMX

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	munge	2/15/27
RETROFIT UNITS IN PRODUCTION AND INVENTORY	The state of the	- 4 / 2/ 8 2
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED		, ,
	250	2/15/87

PRODUCT AFFECTED DRAWINGS AFFECTED NO ASSEMBLIES AFFECTED. · DSX SCHEMATIC 1519 A SHEET 3 OF 3

DESCRIPTION OF CHANGE



REASON FOR CHANGE

PIN NUMBERS INCORRECT.

EFFECTIVITY	WRITTEN BY	DAT
FUTURE PRODUCTION ONLY	ANNE 5-10-82	-
RETROFIT UNITS IN PRODUCTION AND INVENTORY		
RETROFIT UNITS IN FIELD	APPROVED BY	DA
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	205-1	4-82

ECO NO. 205 PAGE 1

PRODUCT AFFECTED

DRAWINGS AFFECTED

NONE

DESCRIPTION OF CHANGE

DSX

REPLACE 3 2732 EPROMS LABELED CO, C1, AND C2, LOCATED IN SOCKETS U76, U63, AND U75, RESPECTIVELY, WITH NEW EPROMS LABELED CAO, CA1, AND CA2.

THE "C" EPROMS ARE SOFTWARE VERSION 2.00, THE "CA" EPROMS ARE SOFTWARE VERSION 2.10.

REASON FOR CHANGE

SOFTWARE IMPROVEMENTS DETAILED ON PAGE 2.

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	Marus	2/18/82
RETROFIT UNITS IN PRODUCTION AND INVENTORY	Marie	
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED		
	190	7/9/82

ECO NO.

205

PAGE 2

DESCRIPTION OF SOFTWARE CHANGES:

- 1) Previously, the External Clock input required a stereo phone jack in order to remotely start and stop the DSX, and using a mono jack would defeat this feature. Revision 2.10 reverses this so that with a mono jack the DSX can be remotely started and stopped.
- 2) Sequencers with 6000 note capabilities using version 2.00 software would not allow merges to be recorded passed 3000 notes. This has been corrected in version 2.10.
- 3) In version 2.00, if a sequence was inserted into the middle of a merge, and memory ran out when that sequence was inserted, all of memory could be erased. This has been corrected in version 2.10.
- 4) In version 2.10, all playtracks will automatically turn on at the beginning of the new sequence if a new sequence is selected while playing another sequence.
- 5) In version 2.00, If track zero has been recorded, and it is turned off and then back on again while playing a sequence, the sequence will not loop. This has been corrected in version 2.10.
- 6) In version 2.00, If a CV was recorded in a quantized mode, and three or more notes were played during one quantized step (e.g., three sixteenth notes played in quantized quarter note mode) the extra notes may be played on the OB-Xa instead of the CVs. This has been corrected in version 2.10.

206

JUCT AFFECTED

DSX .

DRAWINGS AFFECTED
FAB DRAWING 1547
ARTWORK 1545 . 1546
ASSEMBLY 720063

PROCESSOR ECARD

" "

CRIPTION OF CHANGE

 FAB DRAWING
 WAS 1547B
 15
 1547C.

 ARTWORK
 WAS 1545B
 15
 1545C.

 ARTWORK
 WAS 1546B
 15
 1546C.

450N FOR CHANGE

NEW ARTNORK TO INCORPORATE ALL CHANGES.

FECTIVITY	WRITTEN BY		DA
FUTURE PRODUCTION ONLY	ANNE.	7-1-82	
RETROFIT UNITS IN PRODUCTION AND INVENTORY	-	· •	
RETROFIT UNITS IN FIELD	APPROVED B	Y	DA
] DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	• .	7-1-82	
7			

OBERHEIM ELECTRONICS, INC.

ECO NO. 207

-0. 1 1946 E 1

ENGINEERING CHANGE ORDER

PRODUCT AFFECTED

DRAWINGS AFFECTED

YONE

DESCRIPTION OF CHANGE

REPLACE 3 2732 EPROMS LABELED CAP, CA1, AND CA2, LOCATED IN SOCKETS U76, U63, AND U75, RESPECTIVELY, WITH NEW EPROMS LABELED CD4, CD1, AND CD2.

THE "CA" EPROMS ARE SOFTWARE VERSION 2.10,
THE "CD" EPROMS ARE SOFTWARE VERSION 2.22.

REASON FOR CHANGE

SOFTWARE IMPROVEMENTS DETRILED ON PAGE Z

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	Man	M. 8/12/8.
RETROFIT UNITS IN PRODUCTION AND INVENTORY		-
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	250	3/12/82
RETROFIT UNITS IN FIELD	APPROVED BY	

207

PAGE 2

DESCRIPTION OF SOFTWARE CHANGES:

- 1) The cassette interface PLAY and CHECK routines now have the ability to invert the incoming data so as to allow for the use of the many cassette players on the market whose output is inverted from their input. This feature is acsessed as follows:
 - a. Turn the cassette enable on.
 - b. Connect tape recorder.
 - c. Press PLAY or CHECK; The display should read "START DATA TAPE".
 - d. Press play on the tape recorder.
 - e. If the display says "ERROR IN DATA" or doesn't leave the "PLAYING DATA" mode, your cassette player may be an inverting one. If necessary, turn the DSX off and then on again, and then repeat step c.
 - g. BEFORE starting the tape recorder, press the STEP button. The step light should come on. This indicates that the DSX will invert the data coming in. As long as the display reads "START DATA TAPE", the STEP button can be turned on or off. Once the tape recorder has been started and the display reads "PLAYING DATA" the STEP button will stay in its currently selected position.
 - h. If this mode of operation works for your tape recorder, always use this mode when playing back data.
- 2) In the cassette mode of the previous version of software, if the PLAY button was pressed after loading in a tape using RECORD, the DSX would only output part or none at all of the newly loaded data unless the cassette mode was left and then entered again. Version 2.22 fixes this problem.
- 3) In version 2.22, The "SELECT VOICES" mode of the SEQUENCE button will be skipped if no record track has been selected. This has been done to eliminate possible confusion since there is no need to select voices if no track is selected.
- 4) In version 2.10, if track zero ended before any other tracks, a sequence would not loop. This has been corrected in version 2.22.
- 5) In version 2.22, The playtracks will be left in their current position if a new sequence is started while displaying the selected playtracks.
- 6) Sometimes, when turning off an OB-Xa, it is possible for the DSX to drop memory if the OB-Xa is turned off while the DSX is on and is connected to the OB-Xa. Version 2.22 allows the OB-Xa to be turned off without disturbing the memory in the DSX.

ECO NO. フロタ

DATE

	Endingering Grande Groot	208
PRODUCT AFFECTED	DRAWINGS AFFEC	TED
D5X	1593A	
DESCRIPTION OF CHANGE		· · · · · · · · · · · · · · · · · · ·
	WITH TUPE	ACE JACKS THSULATED S (SWITCHCRAFT N-1148) 101 RESISTORS) GROUND
REASON FOR CHANGE		
BLIMINATE GR	ron roll	
EFFECTIVITY STATEMENT OF THE PRODUCTION ONLY RETROFIT UNITS IN PRODUCTION		TTEN BY DA

RETROFIT UNITS IN FIELD

DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED

OBERHEIM ELECTRONICS, INC.

ENGINEERING CHANGE ORDER

ECO NO.

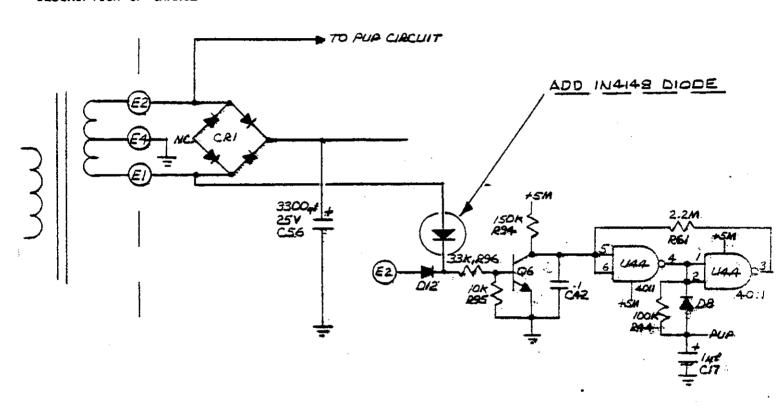
209

PRODUCT AFFECTED

DRAWINGS AFFECTED

DSX

DESCRIPTION OF CHANGE



REASON FOR CHANGE

IMPROVE MARGIN OF "PUP" CIRCUIT TO INADVERTENT TURN - OF, ESPECIALLY AT 50 HZ

EFFECTIVITY	WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	250	3-28-93
RETROFIT UNITS IN PRODUCTION AND INVENTORY	$\bigcup_{i \in \mathcal{I}} \mathcal{U}_i$	G - 30
RETROFIT UNITS IN FIELD	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	250	3-28-83

210

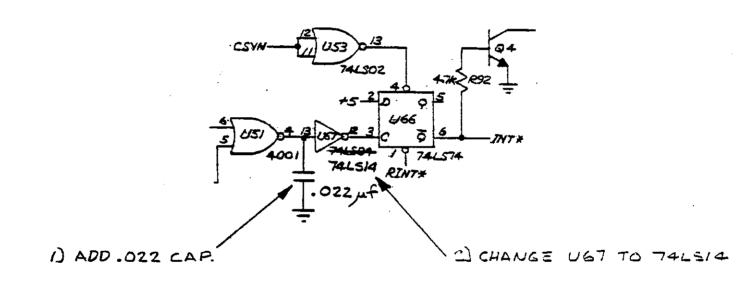
ENGINEERING CHANGE ORDER

PRODUCT AFFECTED

DSX

DRAWINGS AFFECTED

DESCRIPTION OF CHANGE



REASON FOR CHANGE

REDUCE SUSCEPTIBILITY OF "CLOCK-IN"

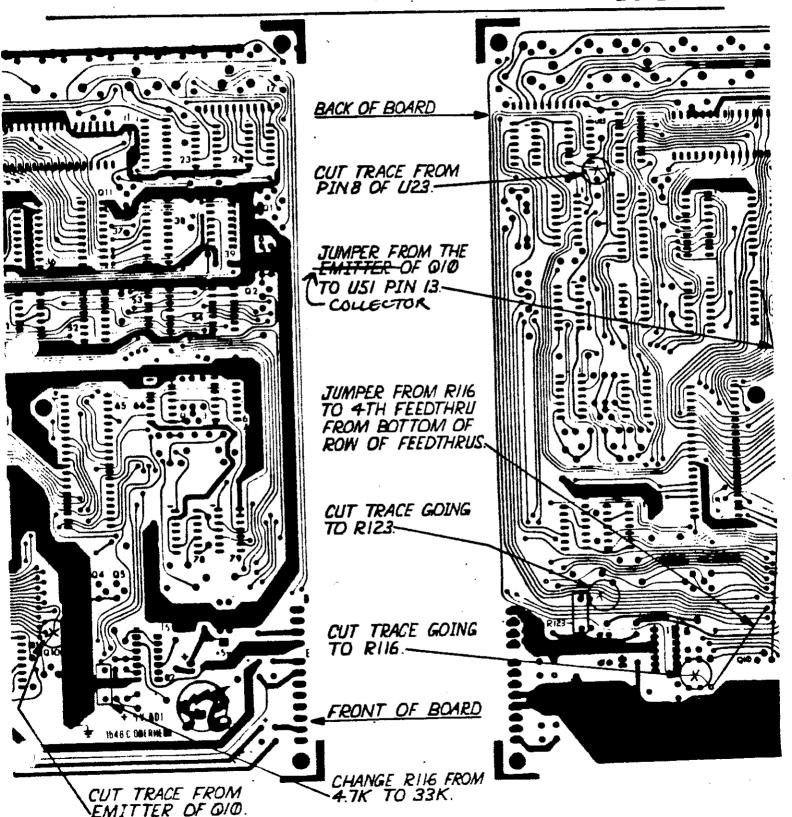
EFFECTIVITY	. WRITTEN BY	DATE
FUTURE PRODUCTION ONLY	034	5-4-83
RETROFIT UNITS IN PRODUCTION AND INVENTORY		
RETROFIT UNITS IN FIELD AS NEEDED	APPROVED BY	DATE
DRAWING CORRECTION ONLY; HARDWARE NOT AFFECTED	290	5-4-83

ECO NO.211 PRODUCT AFFECTED: DSX **DRAWINGS AFFECTED:** PAGE 1591 SHEET 2 OF 3 10F2 **REASON FOR CHANGE: EFFECTIVITY:** to eliminate clock noise and AS REQUIRED IN TEST GROUND HUM WHEN CONNECTING M FUTURE PRODUCTION THE DMX OR DX CLOCK OUT TO **FIRETROFIT PRODUCTION & INVENTORY** THE DSX CLOCK IN. RETROFIT IN FIELD X AS NEEDED DRAWING CORRECTION ONLY APPROVED BY: DATE: 9-21-83 DATE: 9-21-83 WRITTEN BY: **DESCRIPTION OF CHANGE:** ON PROCESSOR BOARD: NEW: ON BACK MANEL 4 CUTS, 2 JUMPERS, MOVE ONE WIRE I RESISTOR CHANGE. CHANGE ONE RESISTOR! NEW 4.7K MOVE WIRE R123 R39 MUST BE INSULATED ·EXT JUMPER JUMPER +5 +5 **U33** 4.7K 3000 RI22 **R22** 12 4066 33K Q5 LSØ5 ELOOP I CLOCK IN CHANGE NOTE: JACK MUST BE ISOLATED FROM CHASSIS. OLD: IK *R*39 R123 EXT 1505 U33 4.7K ION RIZZ R22 12 4066 4.7K RII6 1505 CLOCK IN ELOOP

PRODUCT AFFECTED: DSX

DRAWINGS AFFECTED:

ECO NO 211 PAGE 2 OF 2



PRODUCT AFFECTED: D.S.X.

DRAWINGS AFFECTED: 1591A

SHEET 2 DF 3

ECO NO.2/2 PAGE / OF /

EFFECTIVITY:

- AS REQUIRED IN TEST
- **DR FUTURE PRODUCTION**
- ☐ RETROFIT PRODUCTION & INVENTORY
- RETROFIT IN FIELD AS NEEDED
- [] DRAWING CORRECTION ONLY

REASON FOR CHANGE:

TO ELIMINATE CLOCK NOISE WHEN CONNECTING DSX CLOCK OUT TO DMX CLOCK IN. ALSO ALLOWS TWO DSX'S TO BE CLOCKED TOGETHER WHEN ECO. 211 HAS BEEN IMPLEMENTED.

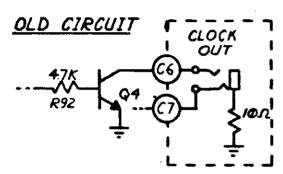
WRITTEN BY:

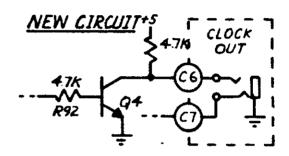
DATE: 9-21-83

APPROVED BY:

DATE: 9-21-83

DESCRIPTION OF CHANGE:





ON PROCESSOR BOARD :-

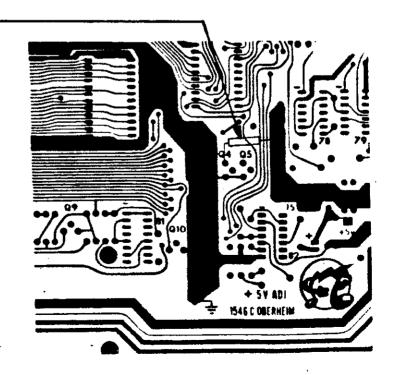
ADD A 4.7K PULL UP RESISTOR TO THE COLLECTOR OF Q4.

ON REAR PANEL:

REMOVE ION RESISTOR
ON CLOCK OUT JACK
AND CONNECT JACK
SLEEVE TO GROUND.

NOTE:

ECO'S 211 & 212 OBSOLETE ECO 208.





OBERHEIM ELECTRONICS, INC

PRUDUCT AFFECTED: DSX	DRAWINGS AFFECTED:	ECO NO. (13)
EFFECTIVITY: AS REQUIRED IN TEST FUTURE PRODUCTION RETROFIT PRODUCTION & INVENTORY RETROFIT IN FIELD AS NEEDED DRAWING CORRECTION ONLY	REASON FOR CHANGE: ADDITION OF NEW (SEE ATTACHED PAGE	- FEATURES ES)
WRITTEN BY: DATE: 4/5/8	APRROVED BY:	DATE: 4-5-84

SOFTWARE CHANGE, REVISION 3.01
REPLACEMENT OF 3 2732A EPROMS
(SEE INSTAULATION INSTRUCTIONS)

DESCRIPTION OF CHANGE:

DSX Revision 3.01 Software Installation Guide 4/5/84

- NOTE: ECO No. 202 must be implemented before revision 3.01 can be installed. If U75 is currently a 2732, ECO 202 has been installed. Also, revision 3.01 can only work if the DSX has 6000 note memory. If there are any empty memory sockets in the DSX, a memory expansion must be added before installing revision 3.01 software.
- Save DSX memory to cassette tape as described in the owner's manual. Since the installation of revision 3.01 software will erase all of memory, the memory must be saved to cassette if it is desired to keep it.
- 2. Turn off power and remove power cord. Remove the front two screws and lift up the front panel of the DSX.
- 3. Remove the three 24-pin 2732A EPROMs from I.C. locations U63, U75, and U76. Return these EPROMs to Oberheim Electronics.
- 4. Install the new EPROM labeled "DSX 3.01-0" into I.C. location U76. Make sure that the notch in the EPROM faces the back of the DSX.
- 5. Install the new EPROM labeled "DSX 3.01-1" into I.C. location U63. Make sure that the notch in the EPROM faces the back of the DSX.
- 6. Install the new EPROM labeled "DSX 3.01-2" into I.C. location U75. Make sure that the notch in the EPROM faces the back of the DSX.
- 7. Close the front panel and secure it with the screws.
- 8. Connect the power cord and turn on the power.
- 9. Press the EDIT MODE button, followed by the 4 button, followed by the ERASE button. This will reset all of memory.
- 10. Load the cassette back into memory as described in the owner's manual.

DESCRIPTION OF CHANGE

PRODUCT AFFECTED: DSX	DRAWINGS AFFECTED: NONE	ECO NO. 214
EFFECTIVITY:	REASON FOR CHANGE	
☐ AS REQUIRED IN TEST ☐ FUTURE PRODUCTION ☐ RETROFIT PRODUCTION AND INVENTORY ☐ RETROFIT IN FIELD ☐ AS NEEDED ☐ DRAWING CORRECTED ONLY ☐	SOFTWARE CHANGE TO ALLOW "PUNCH-IN" FOOTSWITCH TO OPERATE PROPERLY. THIS PROBLEM EXISTED IN VERSION 3. 81.	
WRITTEN BY: DATE: 5/1	8/84 APPROVED BY:	DATE: 5/18/84

REPLACE EPRON 3.81-8 AT U76 WITH 3.82-8. REPLACE EPRON 3.81-1 AT U63 WITH 3.82-1. REPLACE EPRON 3.81-2 AT U75 WITH 3.82-2.

DSX REVISION 3.01 SOFTWARE INSTALLATION GUIDE (P/No 953017) STILL APPLIES TO 3.02 SOFTWARE. ALL REFERENCES TO 3.01 SHOULD BE READ 3.02.

DSX REVISION 3.81 SOFTWARE OPERATION GUIDE (P/No 958838) STILL APPLIES TO 3.82 SOFTWARE. ALL REFERENCES TO 3.81 SHOULD BE READ 3.82.

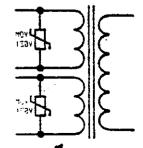
PRODUCT AFFECTED: DSX		DRAWINGS AFFECTED: DSX CONTROL SCHEMATIC 15918 S DSX CONTROL PARTS LAYOUT 1596	
EFFECTIVITY:		REASON FOR CHANGE	
☐ AS REQUIRED IN TEST ☑ FUTURE PRODUCTION ☐ RETROFIT PRODUCTION AN ☐ RETROFIT IN FIELD ☑ AS ☐ DRAWING CORRECTED ONLY	NEEDED	IMPROVE RELIABLITY OF	F MEMORY RETENTION
WRITTEN BY: MARCUS RYLE	DATE: 6/29	APPROVED BY:	DATE: 6/29/84

DESCRIPTION OF CHANGE:

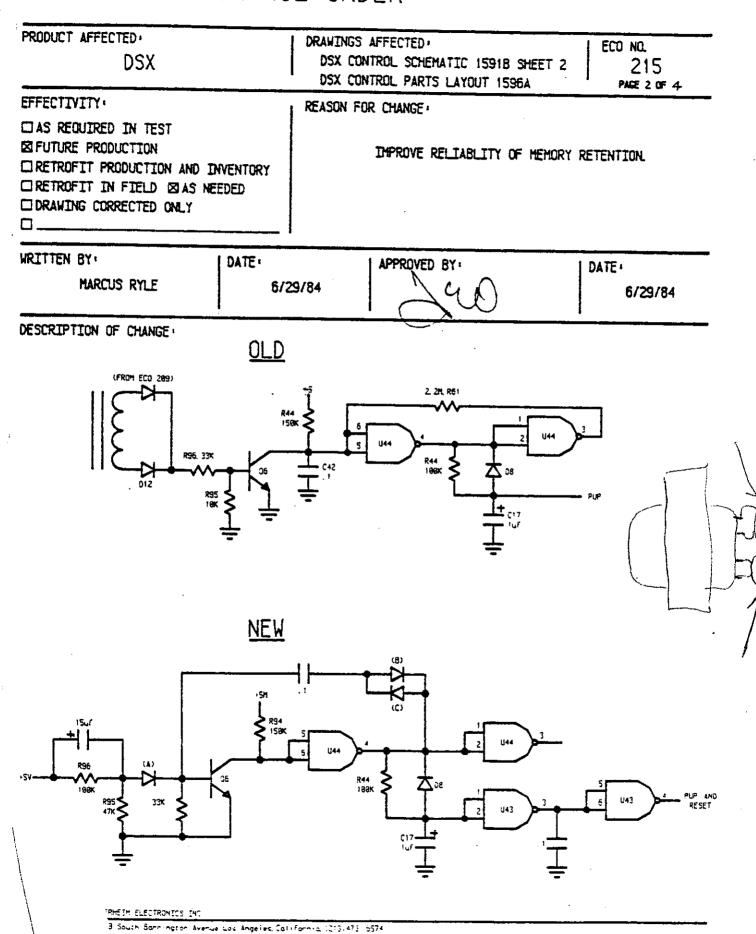
IMPORTANT:

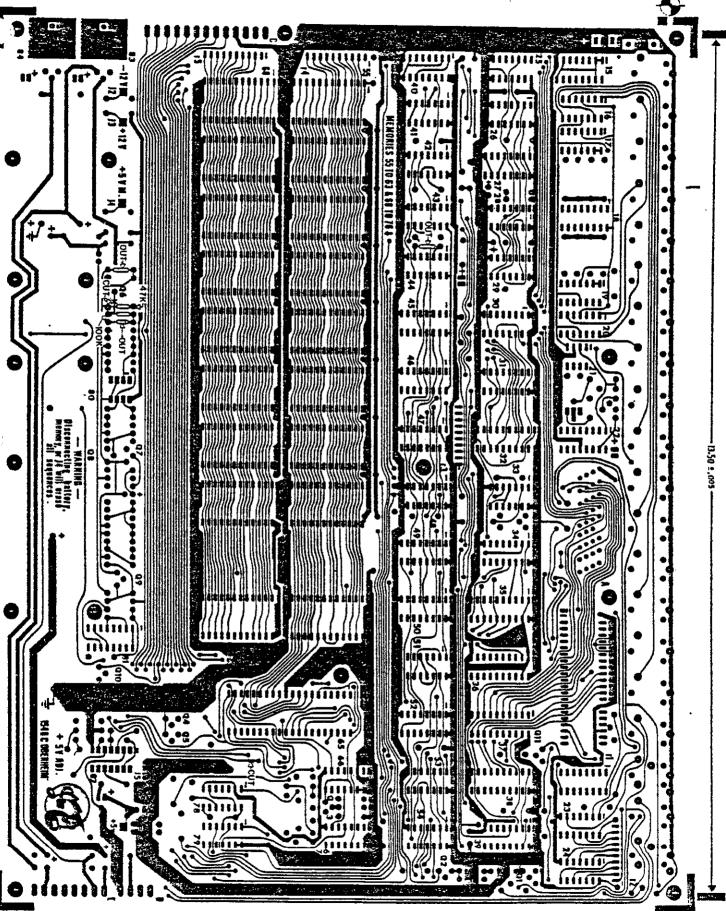
THIS ECO <u>WILL</u> CAUSE A MEMORY DROP WHILE INSTALLING IT. SAVE DATA TO CASSETTE FIRST.

- 1. REMOVE R61, R95, R96, C42, D12 (IN PRODUCTION, ALSO REMOVE R35, D3, C14).
- 2 REMOVE DIODE AND WIRE CONNECTED UNDER BOARD TO CONNECTOR E1 AND R96 FROM ECO 289.
- 3. CUT TRACE GOING TO BASE OF Q6 ON TOP OF BOARD.
- 4. CUT RESET SIGNAL BELOW FEEDTHRU AT RIGHT OF U65 ON TOP OF BOARD.
- 5. CUT BETWEEN U43 PIN 2 AND U43 PIN 5 ON BOTTOM OF BOARD.
- 6. CUT BETWEEN U43 PIN 6 AND U43 PIN 7 ON BOTTOM OF BOARD.
- 7. CUT BETWEEN U44 PIN 12 AND . SIDE OF C17 ON BOTTOM OF BOARD.
- 8. PUT 100K RESISTOR (478104) INTO LOCATION R96.
- 9. PUT 47K RESISTOR (478473) INTO LOCATION R95.
- 18. CONNECT DIODE (A) (481881) FROM BASE OF 06 TO TOP OF R95 ON BOTTOM OF BOARD.
- 11. CONNECT 15uf CAP (151824) ACROSS R96 ON BOTTOM OF BOARD. > SIDE TO TOP OF R96.
- 12 CONNECT ONE SIDE OF . 1 CAP (153013) TO BASE OF Q6, BOTTOM OF BOARD.
- 13. CONNECT 33K RESISTOR (478333) FORM BASE OF Q6 TO BOTTOH OF C42. ON BOTTOH OF BOARD.
- 14. CONNEDT OTHER SIDE OF . 1 CAP (153013) TO DIODES (B) AND (C).
- 15. CONNECT (WITH JUMPER) OTHER SIDE OF DIODES (B) AND (C) TO BOTTOM OF BOARD.
- 16. JUMPER FROM TOP HOLE OF LOCATION D12 TO +5 AT BOTTOM (ANODE) OF D11.
- 17. JUMPER TOP (ANODE) OF D8 TO U43 PIN 1 ON BOTTOM OF BOARD.
- 18. JUMPER FROM U43 PIN 3 TO U43 PIN 5 ON BOTTOM OF BOARD.
- 19. CONNECT A . 1 CAP (153013) FROM U43 PIN 3 TO U43 PIN 70N BOTTOM OF BOARD.
- 20. JUMPER FROM U43 PIN 4 TO U44 PIN 12 ON BOTTOM OF BOARD.
- 21. JUMPER FROM U44 PIN 9 TO FEEDTHROUGH RIGHT OF U65 ABOVE TRACE CUT IN STEP 4.
- 22 CONNECT A 150V MOV (480000) TO EACH OF THE PRIMARY WINDINGS OF THE POWER TRNSFORMER: -

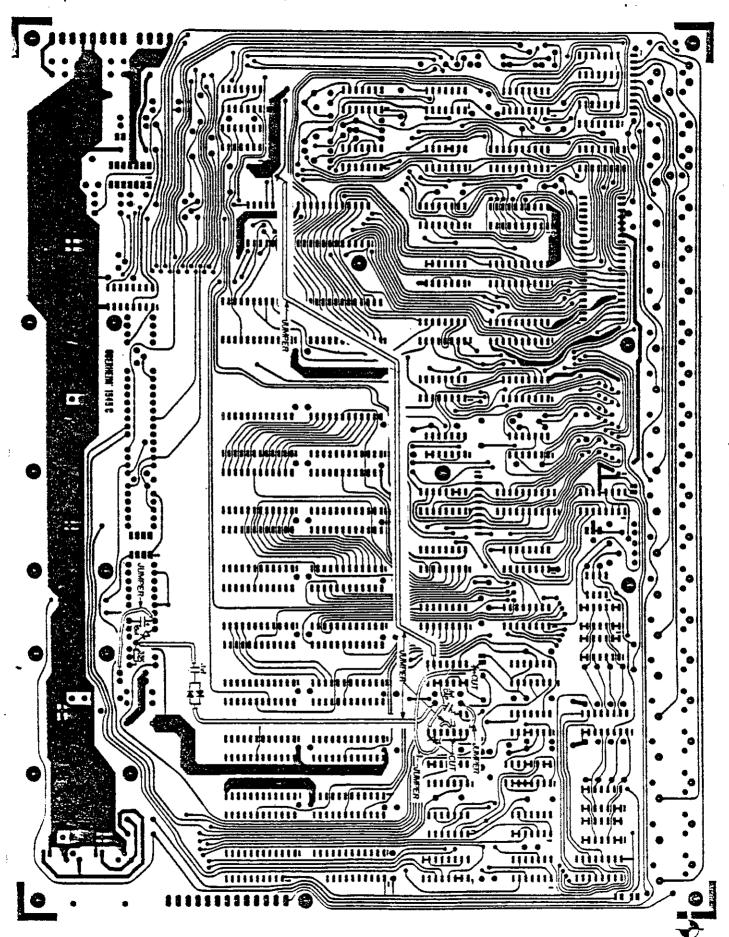












PRODUCT AFFECTED.

DSX

DRAWINGS AFFECTED:

DSX CONTROL SCHENATIC 1591B SHEET 2 DSX CONTROL PARTS LAYOUT 1596A ECO NO. 216

EFFECTIVITY:

DAS REQUIRED IN TEST

DIFUTURE PRODUCTION

EXPETROFIT PRODUCTION AND INVENTORY

DRETROFIT IN FIELD DAS NEEDED

DRAWING CORRECTED ONLY

SZ RETROFIT UNITS WITH ECO 215 IMPLEMENTED

REASON FOR CHANGE

TO REDUCE CURRENT DRAW ON +5 SUPPLY FROM SPEAKER, WHICH SOMETIMES CAUSES PUP TO FALSE TRIGGER.

WRITTEN BY

MARCUS RYLE

DATE

6/29/84

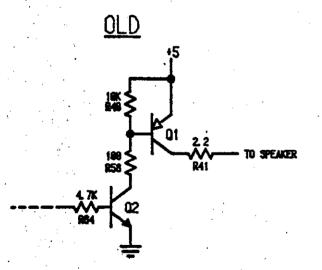
APPROVED BY

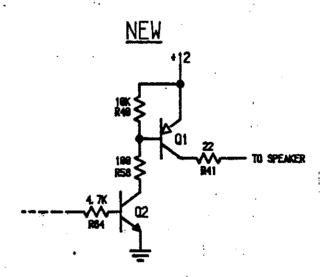
DATE:

6/29/84

DESCRIPTION OF CHANGE:

- 1. CUT +5 TRACE GOING TO TOP OF R40 AND EMITTER OF D1 ON TOP OF BOARD.
- 2. JUMPER +12 FROM PIN 1 OF r2 RESISTOR SIP TO EMITTER OF Q1.
- 3. REMOVE RESISTOR R41 (2.2 OHMS) AND REPLACE IT WITH A 22 OHM RESISTOR.





PRODUCT AFFECTED: DSX	DRAY	VINGS AFFECTED. NONE	ECO No. 217
AFFECTIVITY: AS REQUIRED IN TEST FUTURE PRODUCTION RETROFIT PRODUCTION & INVENTORY RETROFIT IN FIELD AS NEEDED DRAWING CORRECTION ONLY		REASON FOR CHANGE: IMPROVE OPERATION AT HIGH TEMPOS	
WRITTEN BY: MARCUS RYLE	DATE: 9-17-84	APRROVED BY:	DATE: 9-17-84

DESCRIPTION OF CHANGE:

REPLACE EPROM 3.02-0 AT U76 WITH 3.04-0. REPLACE EPROM 3.02-1 AT U63 WITH 3.04-1. REPLACE EPROM 3.02-2 AT U75 WITH 3.04-2.

DSX REVISION 3.01 SOFTWARE INSTALLATION GUIDE (P/No 953017) STILL APPLIES TO 3.04 SOFTWARE. ALL REFERENCES TO 3.01 SHOULD BE READ 3.04.

DSX REVISION 3.01 SOFTWARE OPERATION GUIDE (P/No 950030) STILL APPLIES TO 3.04 SOFTWARE. ALL REFERENCES TO 3.01 SHOULD BE READ 3.04.