

MATTEL ELECTRONICS
ENGINEERING DECISION MEMO: MTL-991-F

INSTRUCTIONS:
 1. PRINT OR TYPE ONLY. PRINT TO BE AT LEAST 5/32"
 2. USE ONE EDM NUMBER PER EACH DRAWING REVISED.

REASON FOR EDM: (SPECIFY ONE OR MORE)

- TRANS TEST IMPROVEMENT
- ERROR/OMISSION
- PARTS LIST RELEASE/REVISION
- NEW PART - ADD TO FINAL RELEASE
- NEW PART - ORIGINAL FINAL RELEASE
- INFORMATION ONLY
- RELEASE LEGAL INFORMATION
- OTHER: (BE SPECIFIC)

- DESIGN IMPROVEMENT
- FUNCTION
- APPEARANCE
- DURABILITY
- PIP
- MANUFACTURING
- MATERIAL/SAMPLING

COMMENTS:

FOR FUTURE PROCUREMENT
 1149-7809 REPLACES
 1149-9809 REV F
 DOCUMENT CONTROL
 REV R PARTS LIST IS
 STILL ACTIVE. DO NOT
 DESTROY!

DISPOSITION OF MATERIAL: NO EFFECT
 STOPS MATERIAL RELEASE YES NO
 ESTIMATED COST \$
 COMMENTS:
 1149-9809 REV F PARTS MAKE OK

EDM NUMBER
 1149-269

TOY NAME
 KEYBOARD COMPONENT

PART/ASSEMBLY NAME
 SEE BELOW

NEW DRAWING LETTER

FINAL PACKOUT POINT (PLANT)
 DOMESTIC

PART/ASSEMBLY NUMBER
 SEE BELOW

ACTION TO BE TAKEN:

EXISTING DWG LTR

RELEASE FOR PRODUCTION

1149-9991 KEYBOARD COMPONENT SYSTEM

LEVEL PARTS LIST

1) UP DATED DRAWING REV LETTERS

2) ADDS COMPUTER III TO SYSTEM

FOR COMPUTER III DETAIL REFERENCE

1149-7809 PARTS LIST

DEPT.	NAME	SPECIAL DISTRIBUTION		
		M.S.	PLT.	COPIES
ELEC	BUIS COWELL	126	1	1
ELEC	ALAN NASH	126	1	1
ELEC	JOHN LISHMAN	126	1	1
ELEC	CHUCK RUDDO	126	1	1
ELEC	DAVE CHANDLER	126	1	1
ELEC	C MCALLISTER	126	1	1
ELEC	RICARDO BAILEY	126	1	1
ELEC	VIGANITO MARTINE	126	1	1

- (SPECIFY ONE OR MORE)
- DRAWING RELEASED/REVISED
 - MARKED PRINT REVISED
 - UP-DATE PART (TOOL) TO PRINT
 - UP-DATE PRINT TO PART (TOOL)
 - UP-DATE/RELEASE PARTS LIST
 - UP-DATE/RELEASE FLOW CHART
 - PURCHASE PARTS
 - NO ACTION REQUIRED. FOLLOW-UP COMPLETED
 - OTHER (BE SPECIFIC)

HARD COST IMPACT:

- INCREASE NO EFFECT
- DECREASE

ESTIMATED AMT \$

TOOL COST:

COMPLETED BY TOOL ENGINEER OR PURCHASING AGENT.

ESTIMATED COST

ESTIMATED BY:

- CHARGE TO BUDGET
- ECO
- TCO
- S & A

NO EFFECT

INITIATOR/DATE

JOHN H LISHMAN

PROJECT ENGR/DATE

JHF 6/17/81

PROJECT MANAGER/DATE

Charles W. Reed 6/19/81

FOR ENGINEERING DOCUMENTATION ONLY

DATE REC'D
 JUN 25 1981

DATE ISSUED
 JUN 25 1981

CODE
 1

CONFIDENTIAL

TOY NO. 1149-9991 (R) (1980)

KEYBOARD COMPONENT
SYSTEM LEVEL PARTS LIST (1981)

TOY NAME

PART NUMBER	DWG. SIZE	NUMBER REQUIRED NEXT ASSEMBLY						TOY NO.	PART NAME	DESCRIPTION	UNIT OF MEAS.	SOURCE	PR CL
		1	2	3	4	5	6						
1149-4209	C		1				1	Cassette Spring	1049 Spring steel, 0.012	ea		3	
1149-4339	C		1				1	HF Shield, Pre Amp	Steel	ea		3	
1149-4479	B		1				1	Bracket-R.H.	Steel	ea		3	
1149-4469	B		1				1	Bracket-L.H.	Steel	ea		3	
0405-0334			6				6	Screw, 6-20 x 1/4	Steel, self-tapping, slotted, pan head, zinc plated. (protective cover & bracket to cassette)	ea		1	
0405-0625	A		4				4	Screw, 2.6mm x 3.0mm	Steel, phillips, flathead, nickel plated (tape cover to cassette)	ea		1	
0405-0964			2				2	Screw, 6-20 x 1/2	Steel, self tapping, slotted, pan head, zinc plated (Pre Amp Assy to cassette)	ea		1	
0405-0974			2				2	Spacer	Nylon, 1/4" thick, ID=0.140", OD=0.250"	ea		1	
0405-0784			3				3	Cable Tie, 3 in.	Nylon	ea		1	
0089-0817			1				1	Tubing, Shrink	ID= 3/16", L=3/8", Polyolefin	ea		1	
1149-2159	D		1				1	Strain Relief Bar	Delrin	ea		3	
1149-025			INITIAL RELEASE of-9991								APD	DATE	
1149-262	r		reissued with electronic subassemblies assigned their own parts lists; 0405-0784 toy total was 6								jhl	11-2-79	
1149-269	s		added Rev D to 1149-4479; added Rev C to 1149-4469; added Rev PR to 1149-2159										JUN 25 1991

CONFIDENTIAL 1149-9991 (R) (1980) KEYBOARD COMPONENT SYSTEM LEVEL PARTS LIST (1981)

PART NUMBER	DMG SIZE	NUMBER REQUIRED NEXT ASSEMBLY						TOTAL	NAME	PART DESCRIPTION	UNIT OF MEAS.	SOURCE	PR CL
		1	2	3	4	5	6						
r 1149-9199	D		1					1	PRE AMP ASSEMBLY	REV D	ea		3
0089-0451			1					1	Twisted pair, Wire, Hookup	28 AWG (7 Strands #36), BLK & YEL	ea		3
0089-0453			1					1	Twisted pair Wire, Hookup	28 AWG (7 Strands #36), RED & YEL	ea		3
0089-0454			1					1	Twisted pair Wire, Hookup	28 AWG (7 Strands #36), RED & BLU	ea		3
0089-0457			1					1	Twisted pair Wire, Hookup	28 AWG (7 Strands #36), RED & BLK	ea		3
0089-0458			1					1	Twisted pair Wire, Hookup	28 AWG (7 Strands #36), BLU & YEL	ea		3
0089-0455			1					1	Prepared Wire, Wire, Hookup	26 AWG (7 Strands #34), RED	ea		3
0089-0456			1					1	Prepared Wire, Wire, Hookup	26 AWG (7 Strands #34), BLACK	ea		3
0405-0304			4					4	Screw, 10-16 x 1/2	Steel, phillips, pan head, black oxide, HI-LO (Tape deck assy to upper housing)	ea		1
1149-9349			1					1	KEYBOARD ASSEMBLY		ea		3

NUMBER	LTN. CHG.	REVISION	APD	DATE
1149-025		INITIAL RELEASE of -9991	jhl	11-2-79
1149-262	r	Reissued; Pre amp assembly: itemized component list moved to newly issued PL 1149-9199		
1149-269	s	no change		JUN 25 1981

CONFIDENTIAL

TOY NO. 1149-9991 (R) (1980) TOY NAME KEYBOARD COMPONENT SYSTEM LEVEL PARTS LIST (1981)

LTR. CHG.	PART NUMBER	DMG. SIZE	NUMBER REQUIRED NEXT ASSEMBLY						TOTAL TOY	NAME	PART DESCRIPTION	UNIT OF MEAS.	SOURCE	PR CL
			1	2	3	4	5	6						
	1149-9109	-		1						HOUSING ASSEMBLY LOWER		ea		3
s	1149-2109	E			1					housing, lower	A.B.S.	ea		3
s	1149-2139	D			1					cover-ports	polyprop	ea		3
	2609-9489	B			4					foot, adhesive		ea		3
	1149-0400	B			1					label, UL	pr. paper	ea		3
	1149-0410	B			1					label, FCC/serial	pr. paper	ea		3
	1149-9269	C			1					TRANSFORMER ASSEMBLY		ea		3
	1149-2779	D				1				transformer		ea		3
	1149-2289	C					1			receptacle, female	power connector, supplied with 1149-2779	ea		3
	1149-4489	B					1			bracket, XFMR MTG	steel	ea		3
	5558-6060						2			rivet	steel, 3-16 x 3/16 (XFMR to Bracket)	ea		1

NUMBER	LTH. CHG.	REVISION	APD	DATE
1149-025		INITIAL RELEASE of -9991	jhl	11/2/79
1149-262	r	reissued with electronics subassemblies assigned their own parts lists		
1149-269	s	1149-2109 was REV M; added REV C to 1149-2139; added REV PR to 1149-4489.		

PART NUMBER	DRG. SIZE	NUMBER REQUIRED NEXT ASSEMBLY						TOY NO.	NAME	PART DESCRIPTION	UNIT OF MEAS.	SOURCE	PR CL
		1	2	3	4	5	6						
0405-0314				4				4	Screw, 10-16 x 3/8	Steel, phillips, pan head, black oxide, HI-LO (XFM R Brackets to Lower Housing)	ea		1
0405-0284				2				2	Screw, 8-18 x 5/8	Steel, phillips, pan head, black oxide, HI-LO (XFM R Receptacle to Lower Housing)	ea		1
0405-0284				14				14	Screw, 8-18 x 5/8	Steel, phillips (TCA, COM II Assy to Lower Housing)	ea		1
0405-0294				3				3	Screw, 8-18 x 5/16	Steel, phillips (SPS Assy to Lower Housing)	ea		1
r 1149-7809	D			1				1	COMPUTER III ASSEMBLY		ea		3
s 1149-9409	D			1				1	TAPE CONTROL ASSEMBLY		ea		3
r 1149-9219	D			1				1	SWITCHING POWER SUPPLY ASSEMBLY		ea		3
s 1149-0230	D			1				1	Insulator, TCA	(Inserted under Tape Control Assy)	ea		3
0405-0284			9					9	Screw, 8-18 x 5/8	Steel, phillips, pan head, black oxide, HI-LO (Upper housing to lower housing)	ea		1
1149-025										INITIAL RELEASE of -9991	APD		DATE
1149-262										Reissued; Computer II Assy, Tape Control Assy, Switching Power Supply Assy: itemized component parts lists moved to newly issued parts lists 1149-9809, 1149-9609, 1149-9219 respectively.	jhl		11/2/79
1149-269										1149-7809 supercedes 1149-9809 for future production; added REV A to 1149-0230, 1149-9409 supercedes 1149-9609 for future production.			

