KURZ-KASCH INC.
ELECTRONICS DIVISION
2271 ARBOR BLVD.
DAYTON, OHIO 45439

	SL2		START 2		SR2		5 V
LLP	SL1 SL5 SL3	LRP	START 1	RLP	SR1 SR5 SR3	RRP	ON OFF
	SL4		COIN		SR4		POWER
SL6	SL7			SR6		SR7	ON OFF

1. Insert 1000 A/B card into program "A" connector, number side up.

2. Insert 1000C card into test fixture with number side up.

3. Slide 5 VOLT switch to ON.

4. Slide POWER switch to ON.

5. All red L.E.D.'s should be on and the green L.E.D.'s should be off.

6. Turn each of the potentiometers back and forth and see that the corresponding L.E.D. is bright when the pot is at the end and the L.E.D. is dim when the pot is midrange.

7. Push switches SL-1 through SL-7, one at a time. The red L.E.D. marked SL will go out and the green L.E.D. will come on as each switch is pushed.

8. Push COIN, START 1 and START 2 switches one at a time. The red L.E.D. marked SC will go out and the green L.E.D. will come on as each switch is pushed.

9. Push switches SR-1 through SR-7, one at a time. The red L.E.D. marked SR will go out and the green L.E.D. will come on as each switch is pushed.

10. Slide the POWER switch to OFF.

11. Remove the 1000 A/B card from the program "A" connector and insert it into the program "B" connector.

12. Repeat steps 2 - 10.

NOTE: When no short LED is ON, this indicates no shorts in the test fixture...

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CARD RACK TEST CARD ROM SIGNATURES

LOCATION IDENTIFICATION		ROM/PROM TYPE	PB	SIGNATURE
RAM TEST	X4	2716	I24	33HU
RAINBOW	X5	2716	I24	U440
PATTERN-0	X4	2716	I24	118C
PATTERN-1	X5	2716	I24	HAC4

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SPACE ZAP ROM SIGNATURES (M902)

LOCATION IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
X1 - A	9332A	9332	P7P3
X2 - B	9332A	9332	07H0
X3 - C	9332A	9332	7013
X4 - D	9332A	9332	9272
X1 - A	2716	I24	UP68
X2 - B	2716	I24	074H
X3 - C	2716	I24	6F1P
X4 - D	2716	I24	666F
X5 - E	2716	I24	AH8F
X6 - F	2716	I24	5788
X7 - G	2716	I24	68A7
X8 - H	2716	I24	6PH6

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SPACE INVADERS ROM SIGNATURES (M739)

LOCATION IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
E	9316B	9316	PCC7
F	9316B	9316	P7P7
G	9316B	9316	PC6P
H	9316B	9316	47CU
E	2716C	Ti2716	7008
F	2716C	Ti2716	C5A4
G	2716C	Ti2716	PO82
H	2716C	Ti2716	63F2

SPACE INVADERS DELUXE ROM SIGNATURES (M852)

D	9316B	9316	A20A
E	9316B	9316	827U
F	9316B	9316	3AU4
G	9316B	9316	50PC
H	9316B	9316	H056
D	2716C	Ti2716	P9F3
E	2716C	Ti2716	3PAF
F	2716C	Ti2716	4A19
G	2716C	Ti2716	5425
H	2716C	Ti2716	3534

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EXTRA BASES ROM SIGNATURES (M761)

LOCATION IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
X1 - A	9316A	9316	1532
X2 - B	9316A	9316	C2C3
X3 - C	9316A	9316	HH42
X4 - D	9316A	9316	098P
X5 - E	9316A	9316	FH55
X6 - F	9316A	9316	4CPA
X7 - G	9316A	9316	4547
X8 - H	9316A	9316	2H42

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SEA WOLF II ROM SIGNATURES (M625)

LOCATION IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
A	2716JL	Ti2716	6FFP
B	2716JL	Ti2716	4H1F
C	2716JL	Ti2716	P31A
D	2716JL	Ti2716	A164
ROM 0 - A	9316B	9316	0A00
ROM 1 - B	9316B	9316	41U9
ROM 2 - C	9316B	9316	A392
ROM 3 - D	9316B	9316	6728

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SPACE ENCOUNTERS ROM SIGNATURES

LOCATION IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
A	9316B	9316	4134
B	9316B	9316	7AHP
C	9316B	9316	F32P
D	9316B	9316	FO7U
E	9316B	9316	5UCO
F	9316B	9316	U4UO
G	9316B	9316	4703
H	9316B	9316	6O9H

NOTE - SIGNATURES ARE FROM KURZ-KASCH ROM TEST 1

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CARD RACK TEST CARD ROM SIGNATURES

LOCATION IDENTIFICATION		ROM/PROM TYPE	PB	SIGNATURE
RAM TEST	X4	2716	I24	33HU
RAINBOW	X5	2716	I24	U440
PATTERN-0	X4	2716	I24	118C
PATTERN-1	X5	2716	I24	HAC4

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PAC-MAN ROM SIGNATURES

IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
6E	2532	L24	C4VO
6F	2532	L24	9553
6H	2532	L24	1370
6J	2532	L24	929H
5E	2532	L24	C420
5F	2532	L24	38FU
1M	5623	A16	7C37
3M	5623	A16	90P7
4A	5623	A16	5009
7F	7603	D16	6939
6E	9332B	9332	CACU
6F	9332B	9332	CO23
6H	9332B	9332	8746
6J	9332B	9332	PFPC
5E	9332B	9332	C293
5F	9332B	9332	FOCA

NOTE - SIGNATURES ARE FROM KURZ-KASCH ROM TEST 1

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PAC-MAN ROM SIGNATURES

IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
6E	2532	L24	C4U0
6F	2532	L24	9553
6H	2532	L24	1370
6J	2532	L24	929H
5E	2532	L24	C420
5F	2532	L24	38FU
1M	5623	A16	7C37
3M	5623	A16	90P7
4A	5623	A16	5009
7F	7603	D16	6929
6E	9332B	9332	CACU
6F	9332B	9332	CO23
6H	9332B	9332	8746
6J	9332B	9332	PFPC
5E	9332B	9332	C293
5F	9332B	9332	FOCA

NOTE - SIGNATURES ARE FROM KURZ-KASCH ROM TEST 1

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GORF ROM SIGNATURES

	LOCATION IDENTIFICATION		ROM/PROM TYPE	PB	SIGNATURE
1ST PROGRAM	X1	- X1	9332A	9332	5928
	X2	- X3	9332A	9332	36P3
	X3	- X5	9332A	9332	838C
	X4	- X7	9332A	9332	OA9C
	X5	- X11	9332A	9332	40HA
	X6	- X13	9332A	9332	9629
	X7	- X15	9332A	9332	7A76
	X8	- X17	9332A	9332	5F94
2ND PROGRAM (Harder)	X1	- X1	9332B	9332	H354
	X2	- X3	9332B	9332	96AP
	X3	- X5	9332B	9332	C3CA
	X4	- X7	9332B	9332	PH3C
	X5	- X11	9332B	9332	PUFU
	X6	- X13	9332B	9332	F85U
	X7	- X15	9332B	9332	5691
	X8	- X17	9332B	9332	5U9O
1ST PROGRAM (PROMS)	X1	- X1	2532	L24	611P
	X2	- X3	2532	L24	UFPP
	X3	- X5	2532	L24	9AH6
	X4	- X7	2532	L24	PO66
	X5	- X11	2532	L24	HP92
	X6	- X13	2532	L24	OFFO
	X7	- X15	2532	L24	A8AP
	X8	- X17	2532	L24	2COO

1ST PROGRAM CODE M873A-08SO   2ND PROGRAM CODE 873109AXRAXSD

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RALLY X ROM SIGNATURES

IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
1B	9332B	9332	PAF3
1E	9332B	9332	38HH
1H	9332B	9332	02F2
1K	9332B	9332	4H37
8E	9332B	9332	7A21
2M	5623	A16	90P7
3P	5623	A16	78A2
8M	5623	A16	65U5
8P	5623	A16	CHHC
7K	7603	D16	3HP4
4N	7603	D16	H4P9
11N	7603	D16	8123
1B	2732	M24	52U8
1E	2732	M24	3FH1
1H	2732	M24	21U0
1K	2732	M24	AF76
8E	2732	M24	3P52
1B	2532	L24	CF64
1E	2532	L24	6C47
1H	2532	L24	2AC0
1K	2532	L24	F238
8E	2532	L24	4645

NOTE - SIGNATURES ARE FROM KURZ-KASCH ROM TEST 1

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GALAXIAN ROM SIGNATURES

	IDENTIFICATION	ROM/PROM TYPE	PB	SIGNATURE
1ST PROGRAM **0950**	U	9316B	9316	P224
	V	9316B	9316	21A7
	W	9316B	9316	0192
	Y	9316B	9316	FP6H
	Z	9316B	9316	VC3C
	1H	2316	9316	CC2C
	1K	2316	9316	97P4
PROGRAM **0951**	U	2716	J24	7HH3
	V	2716	J24	5658
	W	2716	J24	3F50
	Y	2716	J24	CUC6
	Z	2716	J24	7C8P
	1H	9316B	9316	65PS
	1K	9316B	9316	492A
3RD PROGRAM **0952**	U	9316B	9316	715C
	V	9316B	9316	FA46
	W	9316B	9316	2A47
	Y	9316B	9316	3660
	Z	9316B	9316	3U26
	1H (0951)	9316B	9316	65PS
	1K (0951)	9316B	9316	492A

NOTE - SIGNATURES ARE FROM KURZ-KASCH ROM TEST 1