

# MICRO SWITCH

## 1001SD Series

solid-state keyswitch modules

Charts 1, 2, 4, 6, 8, 12, 13 (A)

Courtesy of **Honeywell**

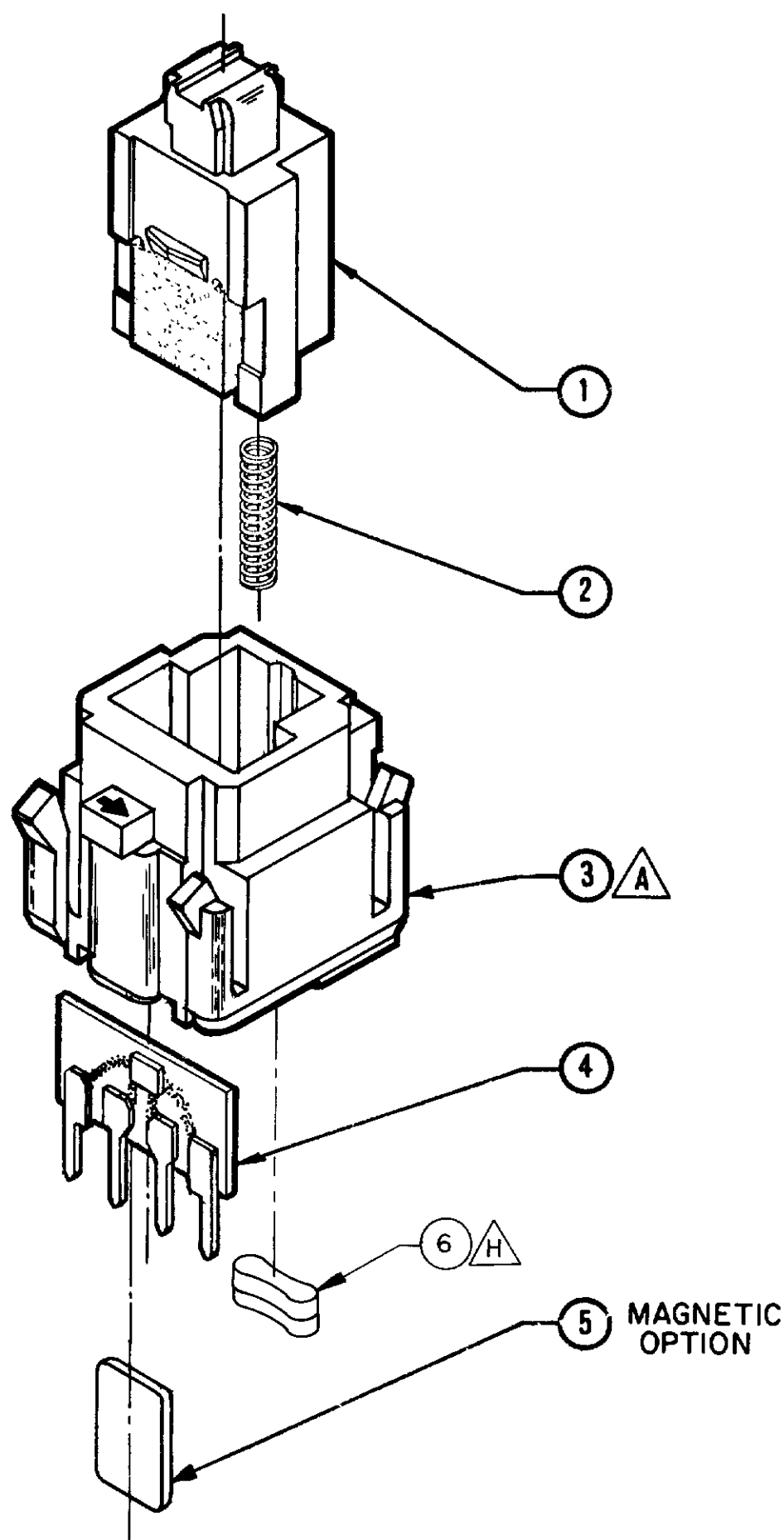
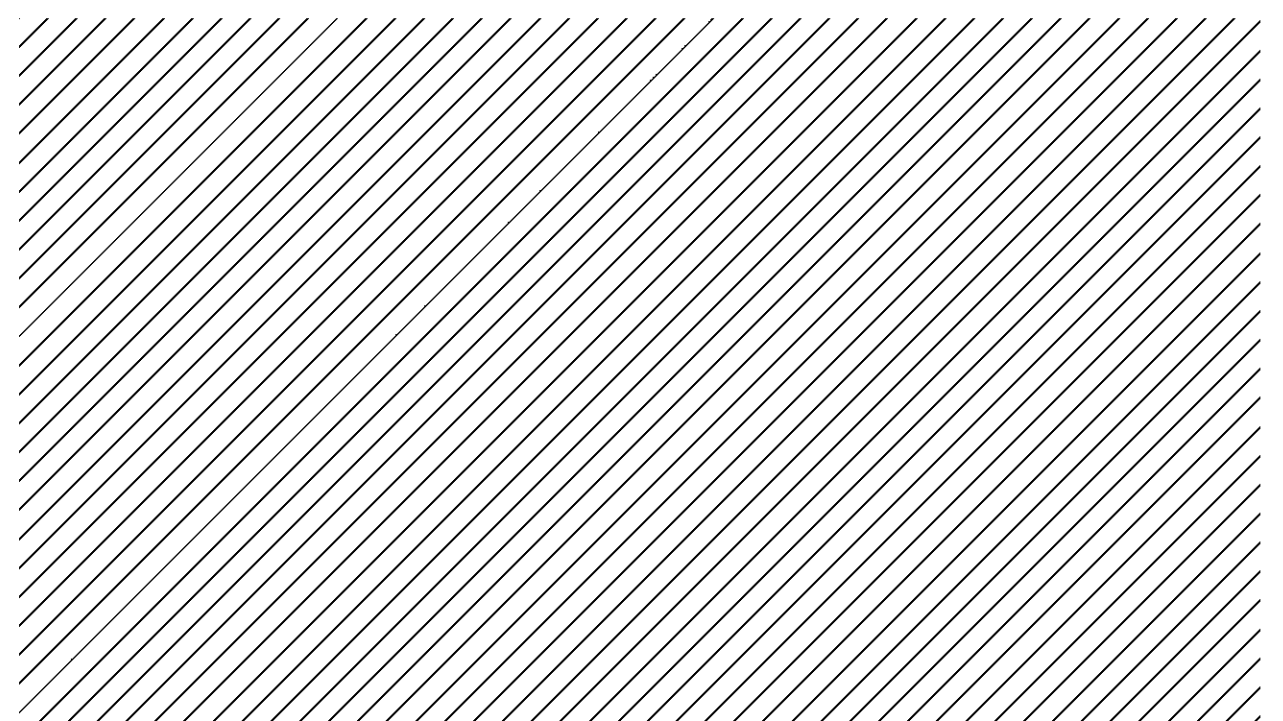
These are engineering documents and have been redacted as necessary;  
other charts within this series are not recovered.

100ISD



	DESCRIPTION	NUMBER	REQD
1	PLUNGER - PLASTIC	See Chart	1
2	SPRING - COMPRESSION	See Chart	1
3	HOUSING - PLASTIC	SD-10355	1
4	INTEGRATED CIRCUIT - ASSY	See Chart	1
5	BRACKET - SHEET METAL	SD-10428	1
6	STOP - SPECIAL	SD-10181	1

PLUNGER ①				SPRING - COMPRESSION ②			INTEGRATED CIRCUIT - ASSY ④		
	PART NO.	LENGTH	STYLE		PART NO.	FORCE		PART NO.	OUTPUT
1	SD-10333	STANDARD	A	1	SD-10005	.361N/1.3 OZ	A	SD-10020	SINK LEVEL
	SD-10334	STANDARD	B	2	SD-10351	.556N/2.0 OZ	B	SD-10023	SINK PULSE
3	SD-10016	STANDARD	A	3	SD-10004	.695N/2.5 OZ	C	SD-10026	SOURCE LEVEL
	SD-10017	STANDARD	B	4	NONE		D	NONE	(SUPPORT)
4	SD-10349	.050 LONGER	A	6	SD-10318	1.668N/6.0 OZ	K	SD-10139	REPEAT
	SD-10350	.050 LONGER	B	8	SD-10332	2.224N/8.0 OZ	S	SD-10144	SCAN
6	SD-10347	.050 LONGER	A	5	SD-10405	.973N/3.5 OZ			
	SD-10348	.050 LONGER	B						
1	SD-10404	STANDARD	G						
1	SD-10443	SPECIAL BLADE	K						
4	SD-10444	.050 LONGER	G						
4	SD-10455	FLAT-STEPPED	N						

MOMENTARY

ELECTRICAL, MECHANICAL & TEMPERATURE CHARACTERISTICS PER SECTION "C" OF FOLLOWING CS	
SINK LEVEL	CS 044 116
SOURCE LEVEL	CS 044 045
SINK PULSE	CS 044 118
LOGIC SCAN	CS 044 117
TIMED REPEAT	CS 044 048

N	ADD NOTE H4 PART	PR1496	T-K	WAG	JAN 86
M	ADD NOTE G	54330	UAW	RAC	FEB 84
L	REV NOTES	53594	KEW	DD	MAY 83
K	REV DWG	97808	SLB	DD	MAY 83
J	ADD SD-10455	PR-7467	DJW	DD	SEP 78
H	ADDED SD-10444	PR-7174	SJS	CEB	MAY 78
G	ADDED SD-10443	PR-7173	SJS	CEB	MAY 78
F	REV NOTES, CHART ADDED	39926	SJS	CEB	MAY 78
E	REV NOTE G	PR-6980	WLW	CEB	FEB 78
D	ADD SPRING 5	PR-6704	WLW	CEB	SEP 77
C	"G" WAS "F", REM NOTE A	CO-38561	NMR	CEB	MAY 77
B	SD-10404 ADDED	PR-6257	R E R	CEB	DEC 76
A	NEW DWG	37867	K P K	CEB	NOV 76

RELEASE NO. PR-5149

REPLACES

DRAWN K P K 22 NOV 76

CHECK CEB 23 NOV 76

CHECK

MICRO SWITCH

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ISSUE NO. ~~4~~ ~~8~~ 16 (A) 100ISD SERIES CHART 1

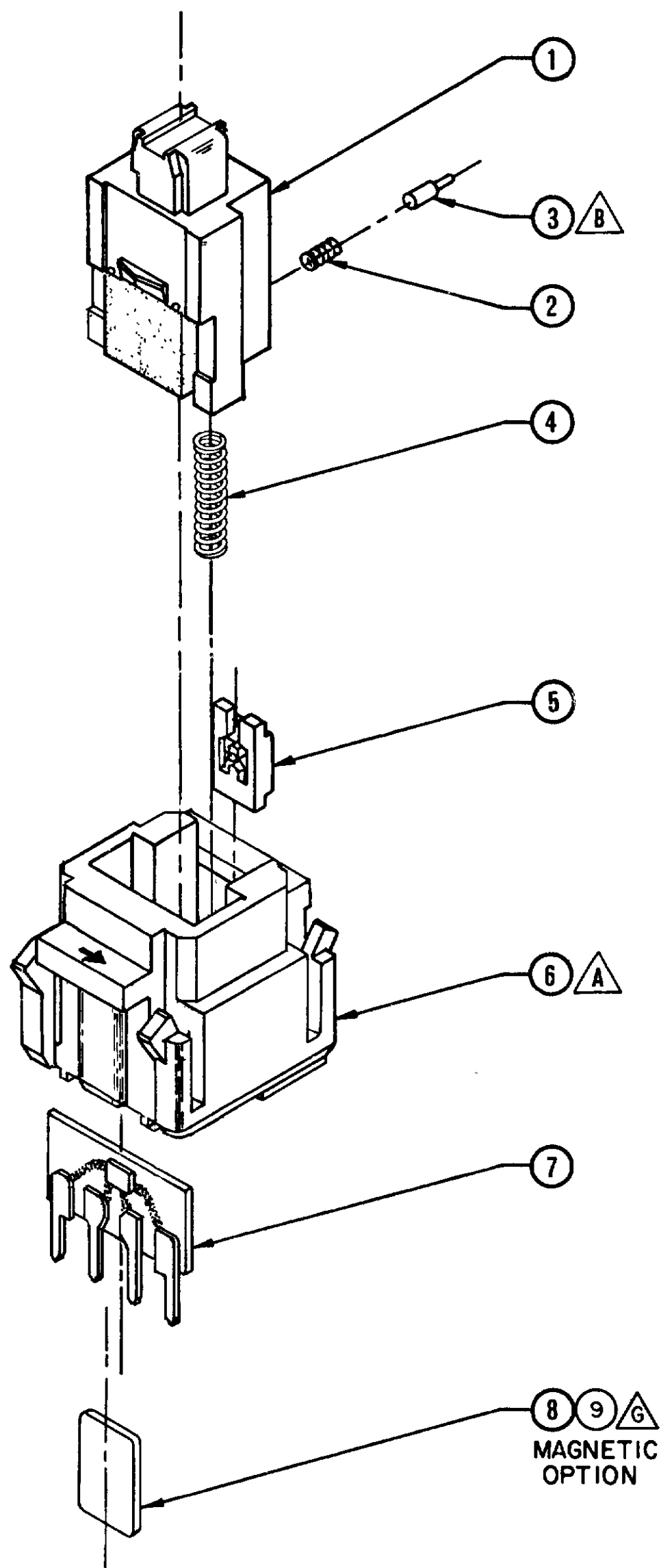
100ISD

PLUNGER ①			
	PART NO.	LENGTH	STYLE
2	SD-10333	STANDARD	A
	SD-10334	STANDARD	B
5	SD-10349	.050 LONGER	A
	SD-10350	.050 LONGER	B
2	SD-10443	SPEC. BLADE	K
2	SD-10470	FLAT TOP	F
2	SD-10329	SPECIAL NCR	C

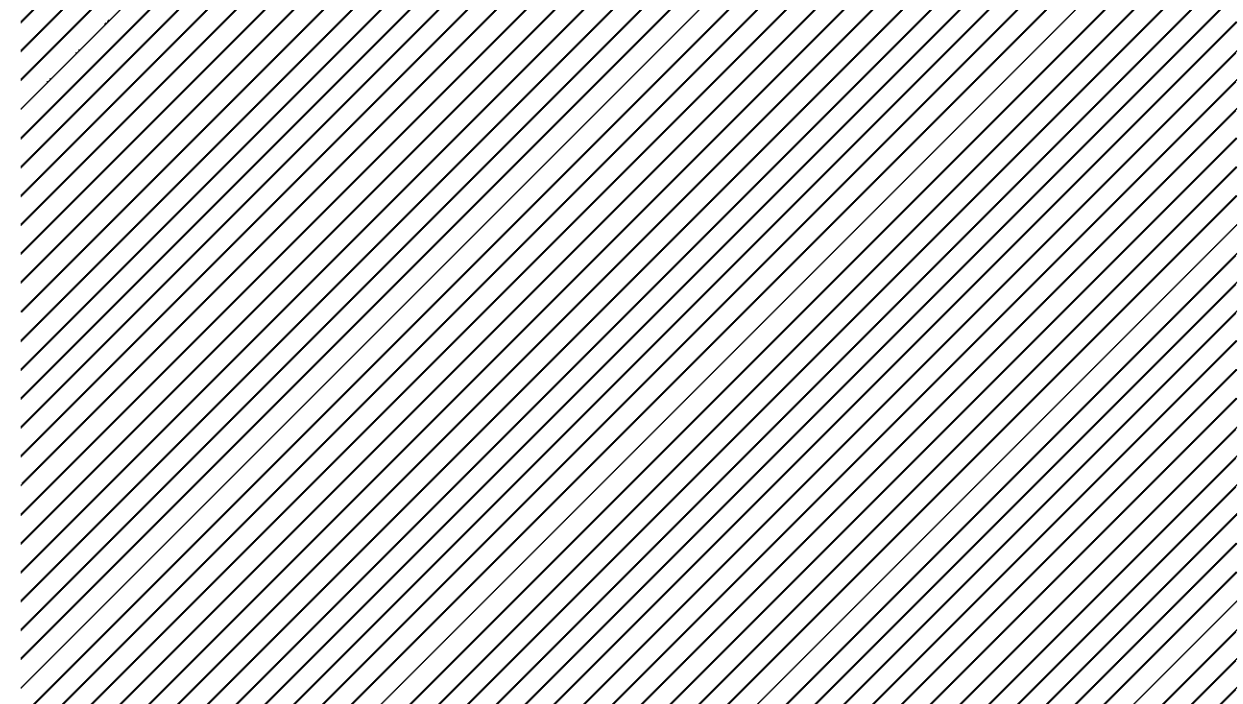
SPRING - COMPRESSION ④		
	PART NO.	FORCE
3	SD-10004	.695N/2.5 OZ
6	SD-10318	1.668N/6.0 OZ
8	SD-10332	2.224N/8.0 OZ
5	SD-10405	.973N/3.5 OZ

INTEGRATED CIRCUIT - ASSY ⑦		
	PART NO.	OUTPUT
A	SD-10501	SINK LEVEL
C	SD-10502	SOURCE LEVEL
S	SD-10503	SCAN

	DESCRIPTION	NUMBER	REQD
1	PLUNGER - PLASTIC	See Chart	1
2	SPRING - COMPRESSION	SD-10012	1
3	PIN	SD-10013	1
4	SPRING - COMPRESSION	See Chart	1
5	CAM	SD-10011	1
6	HOUSING - PLASTIC	SD-10354	1
7	INTEGRATED CIRCUIT - ASSY	See Chart	1
8	BRACKET - SHEET METAL	SD-10428	1
9	BRACKET - SHEET METAL $\Delta$	SD-10499	1



## ALTERNATE ACTION



## ELECTRICAL, MECHANICAL &amp; TEMPERATURE CHARACTERISTICS PER SECTION "C" OF FOLLOWING CS

SINK LEVEL	CS 044 116
SOURCE LEVEL	CS 044 045
SINK PULSE	CS 044 118
LOGIC SCAN	CS 044 117
TIMED REPEAT	CS 044 048

J	REV NOTES	53594	KEW	DEC 80	RELEASE NO. PR-5149		
H	ADD SD-10405	PR-11380	GJW	JUL 80			
G	ADD SD-10329	PR-7773	JH	CED MAR 81			
F	REV DWG	47808	SLB	CEW JUL 80			
E	REV PART NOS	47845	WJM	CJH MAY 80	REPLACES		
D	ADD SD-10471	45796	SJB	CEW MAY 79	DRAWN	KPK	22 NOV 76
C	ADD SD-10443 & 10404	PR-7173	SJS	CEB MAY 78	CHECK	CEB	23 NOV 76
B	REV NOTES, CHART ADDED	39926	SJS	CEB MAR 76	CHECK		
A	NEW DWG	37867	KPK	CEB MAR 76	MICRO SWITCH		
REV LET	REVISIONS	REVISION NOTICE	CHANGED BY	CHECKED BY	FREEPORT ILLINOIS U.S.A. A DIVISION OF HONEYWELL		
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ISSUE NO.		4 8 12 (A)		100ISD SERIES CHART 2			

RELEASE NO. PR-5149

REPLACES

DRAWN KPK 22 NOV 76

CHECK CEB 23 NOV 76

CHECK

MICRO SWITCH

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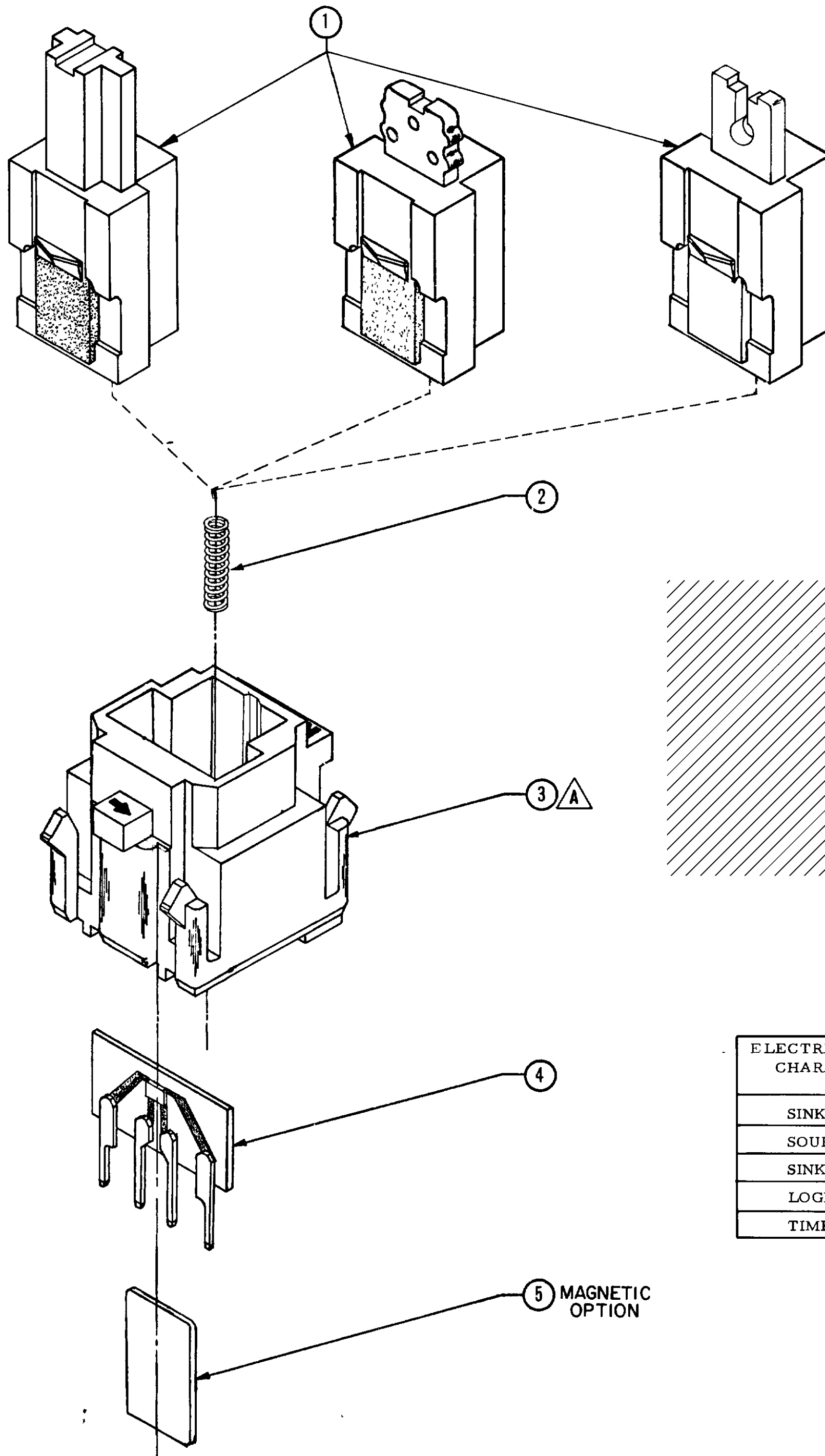
	DESCRIPTION	NUMBER	REQD
1	PLUNGER - PLASTIC	See Chart	1
2	SPRING - COMPRESSION	See Chart	1
3	HOUSING - PLASTIC	SD-10355	1
4	INTEGRATED CIRCUIT - ASSY	See Chart	1
5	BRACKET - SHEET METAL	SD-10428	1

F

PLUNGER ①			
	PART NO.	LENGTH	STYLE
1	SD-10329	SPECIAL (NCR)	C
	SD-10330	SPECIAL (NCR)	D
	SD-10419	SPECIAL (NCR)	H

SPRING - COMPRESSION ②		
	PART NO.	FORCE
1	SD-10005	.361N/1.3 OZ
2	SD-10351	.556N/2.0 OZ
3	SD-10004	.695N/2.5 OZ
6	SD-10318	1.66N/6.0 OZ
8	SD-10332	2.224N/8.0 OZ
4	NONE	

INTEGRATED CIRCUIT - ASSY ④		
	PART NO.	OUTPUT
A	SD-10020	SINK LEVEL
B	SD-10023	SINK PULSE
C	SD-10026	SOURCE LEVEL
K	SD-10139	REPEAT
S	SD-10144	SCAN
D	NONE	SUPPORT

MOMENTARYELECTRICAL, MECHANICAL & TEMPERATURE  
CHARACTERISTICS PER SECTION "C" OF  
FOLLOWING CS

SINK LEVEL	CS 044 116
SOURCE LEVEL	CS 044 045
SINK PULSE	CS 044 118
LOGIC SCAN	CS 044 117
TIMED REPEAT	CS 044 048

F REV NOTES				53594	KEW	DEC 73	RELEASE NO. PR-5149
E REV DWG				PR-7773	WJM	C E B OCT 80	REPLACES
D REV DWG				47808	SLB	DEC 80	DRAWN K P K 23 NOV 76
C REV NOTES, CHART ADDED				37926	SJS	MAR 78	CHECK C E B 23 NOV 76
B ADD DETAIL & NOTE H				PR-6775	WLV	DEC 77	CHECK
A NEW DWG				37867	K P K	C E B NOV 76	<b>MICRO SWITCH</b>
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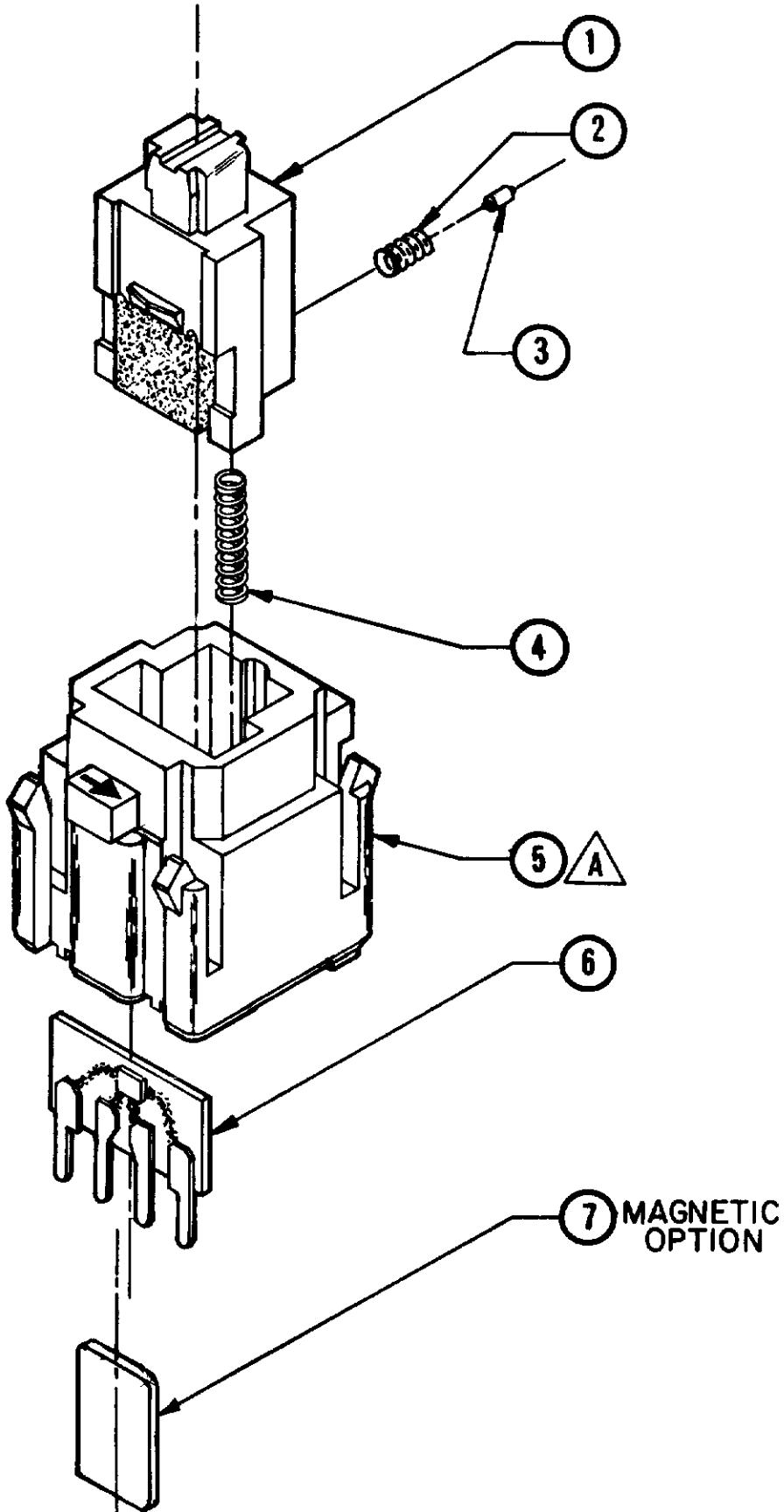
100ISD

	DESCRIPTION	NUMBER	REQD
1	PLUNGER - PLASTIC	See Chart	1
2	SPRING - COMPRESSION	SD-10346	1
3	PIN	SD-10376	1
4	SPRING - COMPRESSION	See Chart	1
5	HOUSING - PLASTIC	SD-10355	1
6	INTEGRATED CIRCUIT - ASSY	See Chart	1
7	BRACKET - SHEET METAL	SD-10428	1

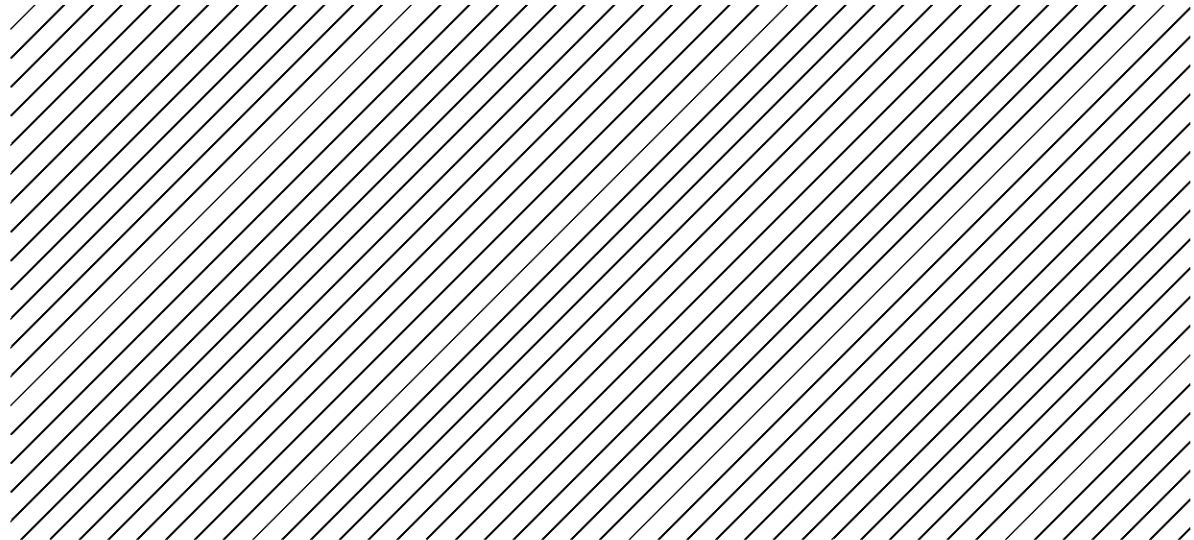
PLUNGER ①			
	PART NO.	LENGTH	STYLE
8	SD-10333	STANDARD	A
	SD-10334	STANDARD	B
11	SD-10349	.050 LONGER	A
	SD-10350	.050 LONGER	B
	SD-10444	.050 LONGER	G

SPRING - COMPRESSION ④		
	PART NO.	FORCE
1	SD-10005	.361N/1.3 OZ
2	SD-10351	.556N/2.3 OZ

INTEGRATED CIRCUIT - ASSY ⑥		
	PART NO.	OUTPUT
A	SD-10020	SINK LEVEL
B	SD-10023	SINK PULSE
C	SD-10026	SOURCE LEVEL
K	SD-10139	TIMED REPEAT
S	SD-10144	SCAN



TACTILE



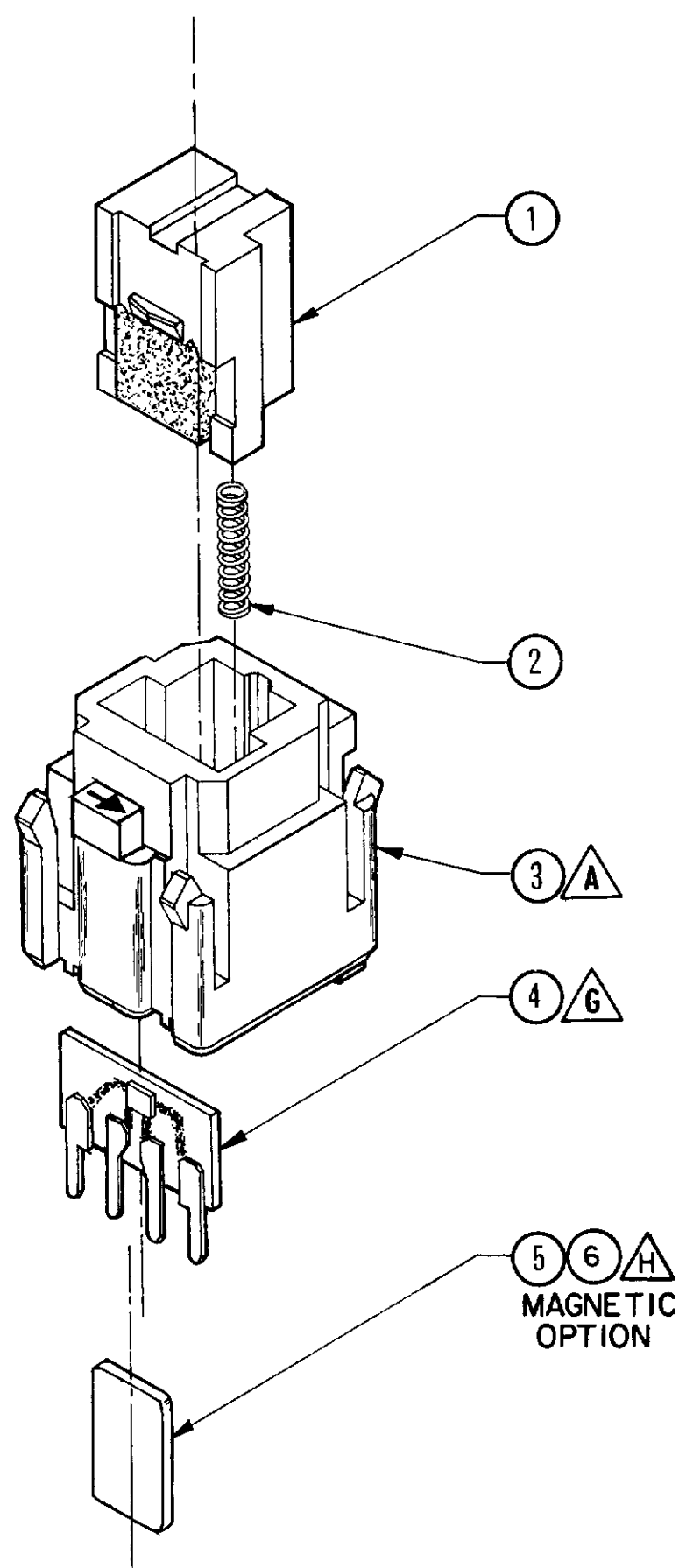
ELECTRICAL, MECHANICAL & TEMPERATURE CHARACTERISTICS PER SECTION "C" OF FOLLOWING CS	
SINK LEVEL	CS 044 116
SOURCE LEVEL	CS 044 045
SINK PULSE	CS 044 118
LOGIC SCAN	CS 044 117
TIMED REPEAT	CS 044 048

F	REV NOTES	53594	KEW	2/16/76	RELEASE NO. PR-5149
E	ADDED SD-10444	PR-10611	JAP	CEB OCT 81	REPLACES
D	REV DWG	47808	SLB	2/16/76	DRAWN K P K 23 NOV 76
C	REV NOTES, CHART ADDED	39926	SJS	2/16/76	CHECK CEB 23 NOV 76
B	ADD NOTE C	PR-6960	WLW	CEB FEB 78	CHECK
A	NEW DWG	37867	KPK	CEB NOV 76	CHECK
REV LET	REVISIONS	REVISION NOTICE	CHANGED BY	CHECKED BY	<b>MICRO SWITCH</b> FREEPORT ILLINOIS U.S.A. A DIVISION OF HONEYWELL
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ISSUE NO. 4 X 9 (A) 100ISD SERIES CHART 6					

1001 SD

	DESCRIPTION	NUMBER	REQD
1	PLUNGER - PLASTIC	See Chart	1
2	SPRING - COMPRESSION	See Chart	1
3	HOUSING - PLASTIC	SD-10355	1
4	INTEGRATED CIRCUIT - ASSY	See Chart	1
5	BRACKET - SHEET METAL	SD-10428	1
6	BRACKET - SHEET METAL	SD-10499	1

PLUNGER ①			SPRING - COMPRESSION ②		INTEGRATED CIRCUIT - ASSY ④	
PART NO.	LENGTH	STYLE	PART NO.	FORCE	PART NO.	OUTPUT
1 SD-10404	STANDARD	F	1 SD-10005	.361N/1.3 OZ	A SD-10020	SINK LEVEL
			2 SD-10351	.556N/2.0 OZ	B SD-10023	SINK PULSE
			3 SD-10004	.695N/2.5 OZ	C SD-10026	SOURCE LEVEL
			4 NONE		D NONE	(SUPPORT)
			6 SD-10318	1.668N/6.0 OZ	K SD-10139	REPEAT
			8 SD-10332	2.224N/8.0 OZ	S SD-10144	SCAN
			5 SD-10405	.973N/3.5 OZ		



MOMENTARY

ELECTRICAL, MECHANICAL & TEMPERATURE CHARACTERISTICS PER SECTION "C" OF FOLLOWING CS	
SINK LEVEL	CS 044 116
SOURCE LEVEL	CS 044 045
SINK PULSE	CS 044 118
LOGIC SCAN	CS 044 117
TIMED REPEAT	CS 044 048

RELEASE NO. CO-38561				
REPLACES				
E REV NOTES	53594	KEW	REV 10/26/73	DRAWN NMR 28APR 77
D REV DWG	47808	SLB	REV 11/14/73	CHECK CEB 2 MAY 77
C ADDED SD-10471	45796	SJB	REV 11/14/73	CHECK
B ADDED SL-240	PR 253	RJW	REV 11/14/73	CHECK
A REV DWG, NOTES CHART ADDED	39926	SJS	REV 11/14/73	CHECK
REV LET	REVISIONS	REVISION	CHANGED BY	CHECKED BY
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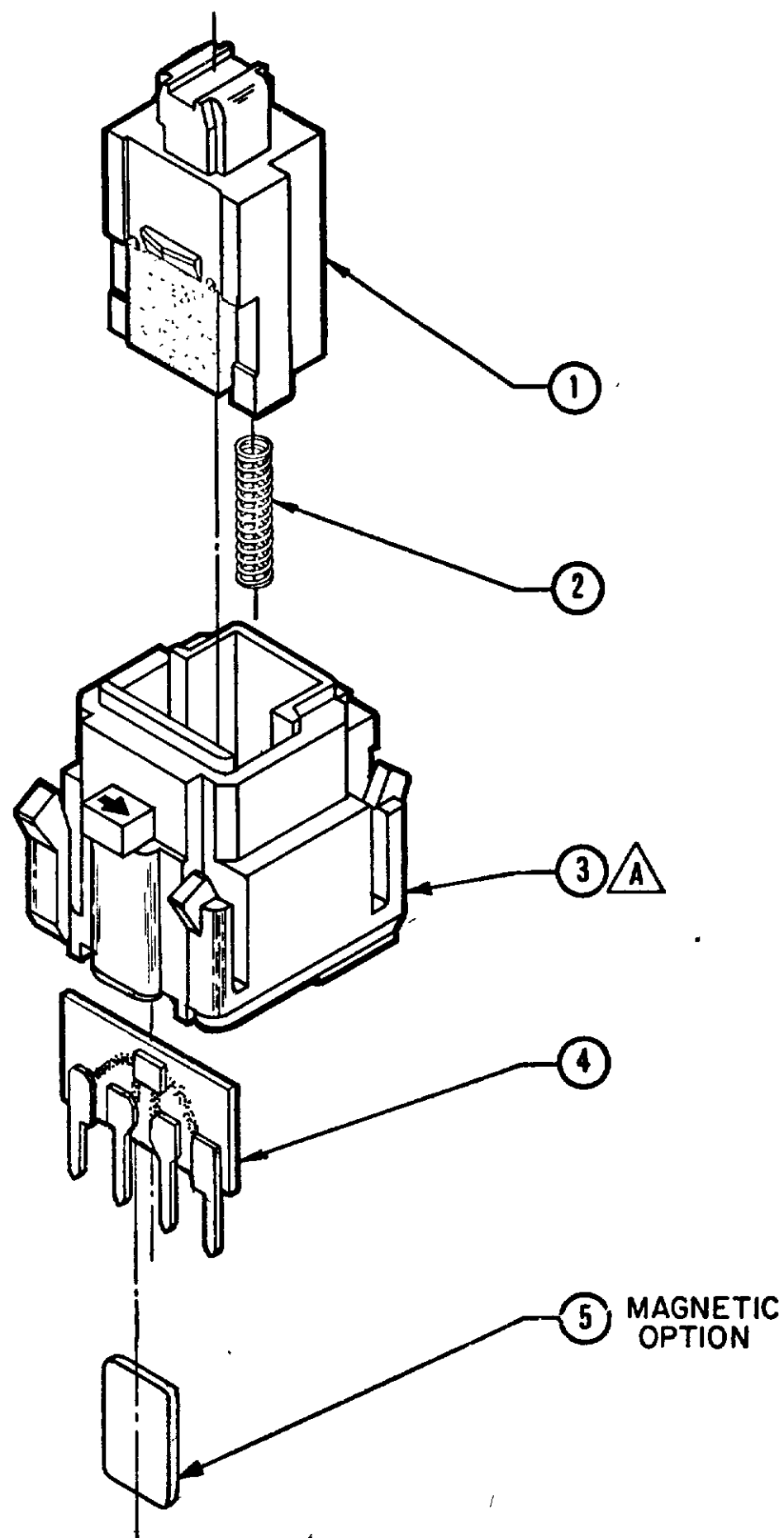


100ISD

F

	DESCRIPTION	NUMBER	REQD
1	PLUNGER - PLASTIC	See Chart	1
2	SPRING - COMPRESSION	See Chart	1
3	HOUSING - PLASTIC	SD-10528	1
4	INTEGRATED CIRCUIT - ASSY	See Chart	1
5	BRACKET - SHEET METAL	SD-10428	1

PLUNGER (1)				SPRING COMPRESSION (2)			INTEGRATED CIRCUIT - ASSY (4)		
	PART NO.	LENGTH	STYLE		PART NO.	FORCE		PART NO.	OUTPUT
4	SD-10529	.050 LONGER BEARING	S	1	SD-10005	.361N/1.3 OZ	A	SD-10020	SINK LEVEL
4	SD-10531	.050 LONGER BEARING	T	2	SD-10351	.556N/2.0 OZ	B	SD-10023	SINK PULSE
				3	SD-10004	.695N/2.5 OZ	C	SD-10026	SOURCE LEVEL
				4	NONE		D	NONE (SUPPORT)	
				6	SD-10318	1.668N/6.0 OZ	K	SD-10139	REPEAT
				8	SD-10332	2.224N/8.0 OZ	S	SD-10144	SCAN
				5	SD-10405	.973N/3.5 OZ			

MOMENTARY

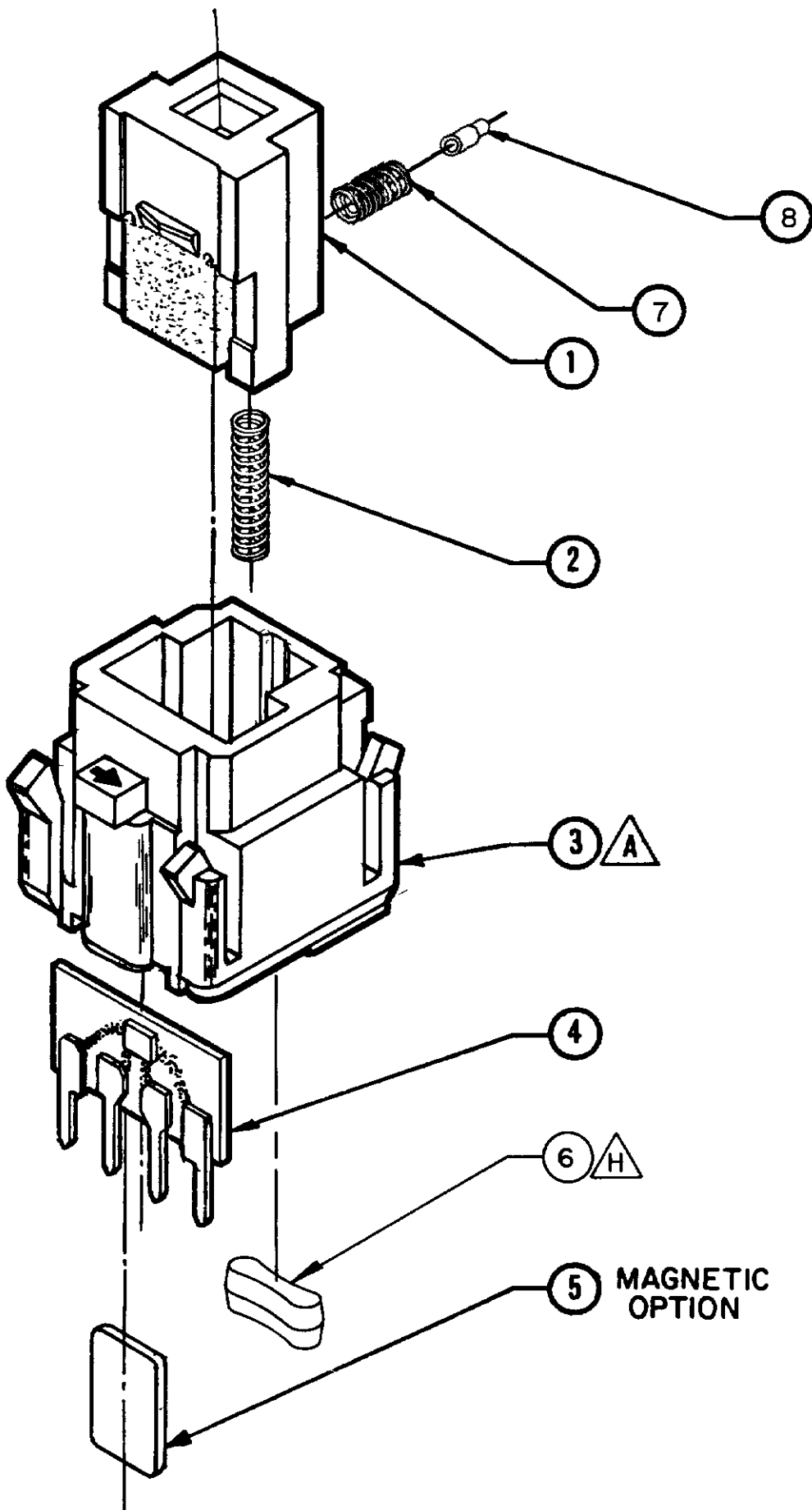
## ELECTRICAL, MECHANICAL &amp; TEMPERATURE CHARACTERISTICS PER SECTION "C" OF FOLLOWING CS

SINK LEVEL	CS 044 116
SOURCE LEVEL	CS 044 045
SINK PULSE	CS 044 118
LOGIC SCAN	CS 044 117
TIMED REPEAT	CS 044 048

RELEASE NO. PR-10628			
REPLACES			
DRAWN J A P 14 OCT 81			
CHECK DW 15 DEC 81			
CHECK			
B	REV NOTES	53594 KEW	201 2/16/83
A	ADD SD-10531	PR-11501 TSK	SEP 82
REV	REVISIONS	NOTICE	CHANGED BY
LET			
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100ISD										<div><div>F</div><div>H</div></div>		
<div><div>H</div></div>	P L U N G E R			①	S P R I N G - C O M P R E S S I O N			②	I N T E G R A T E D C I R C U I T - A S S Y			④
	PART NO.	LENGTH	STYLE		PART NO.	FORCE		PART NO.	OUTPUT			
16	SD-10534	STANDARD	B	1	SD-10005	.361N/1.3 OZ	A	SD-10020	SINK LEVEL			
				2	SD-10351	.556N/2.0 OZ	B	SD-10023	SINK PULSE			
18	SD-10534	STANDARD	B	3	SD-10004	.695N/2.5 OZ	C	SD-10026	SOURCE LEVEL			
				4	NONE		D	NONE	(SUPPORT)			
				6	SD-10318	1.668N/6.0 OZ	K	SD-10139	REPEAT			
				8	SD-10332	2.224N/8.0 OZ	S	SD-10144	SCAN			
				5	SD-10405	.973N/3.5 OZ						

	DESCRIPTION	NUMBER	REQD
1	PLUNGER - PLASTIC	See Chart	1
2	SPRING - COMPRESSION	See Chart	1
3	HOUSING - PLASTIC	SD-10536	1
4	INTEGRATED CIRCUIT - ASSY	See Chart	1
5	BRACKET - SHEET METAL	SD-10428	1
6	STOP - SPECIAL	SD-10181	1
7	SPRING - COMPRESSION /J	SD-10412	1
8	PIN - PLASTIC /J	SD-10376	1



ELECTRICAL, MECHANICAL & TEMPERATURE CHARACTERISTICS PER SECTION "C" OF FOLLOWING CS:	
SINK LEVEL	CS 044 116
SOURCE LEVEL	CS 044 045
SINK PULSE	CS 044 118
LOGIC SPAN	CS 044 117
TIMED REPEAT	CS 044 048

(A) 100ISD SERIES CHT 13

FORMTEK  
MASTER REDUCED

						RELEASE NO	PR-14340
						REPLACES	
						DRAWN	J A P 22 NOV 85
						CHECK	KAG 4 DEC 85
						CHECK	
A	ADD 100ISD18B2B			PR-22861	JJA JUL 97	JJA	<b>MICRO SWITCH</b> a Honeywell Division
REV LET	REVISIONS			REVISION NOTICE	CHANGED BY	CHECKED BY	
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						PAGE	1 OF 1
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ISSUE NO.		4			(A) 100ISD SERIES CHT 13		