

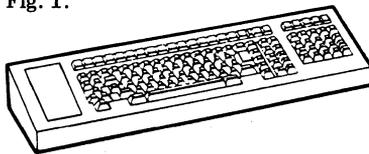
“DATASPEED*” 4500 KEYBOARDS

WIRING DIAGRAMS

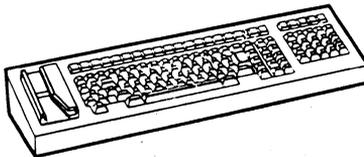
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1. GENERAL

1.01 This section provides wiring diagrams for the DATASPEED 4500 series keyboards, as in Fig. 1.



45K301GAA/03 Keyboard
 Without Magnetic Stripe Reader



45K301GAA/02 Keyboard
 With Magnetic Stripe Reader

Fig. 1—DATASPEED 4500 Keyboards

1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.

Note: When ordering replaceable parts, prefix each part number with the letters “TP” (ie, TP123456), unless specified otherwise.

1.03 The wiring diagrams and limited functional schematics are to aid in troubleshooting.

1.04 For part numbers of components mentioned in the wiring diagrams, refer to Section 582-311-700.

2. WIRING DIAGRAMS

2.01 A flat cable is attached to the circuit card at connector J1 (left rear of the keyboard, see Fig. 2). Of the nine pins used in this connector, four are power leads, four are Standard Serial Interface (SSI) and one is frame ground.

2.02 Sense amplifier location and pin number to keyswitch position is shown in Fig. 3.

<u>Power</u>	<u>J1</u>	<u>14-Pin Plug</u>
+12 V (VSS)	7	4
0 V (VGG1)	4	1
-12 V (V24)	8	2
+ 5 V	5	3
Frame Ground	9	Not Connected

SSI

Information to Device	1	11
Information to Device	2	12
Information to Controller	3	13
Information to Controller	6	14

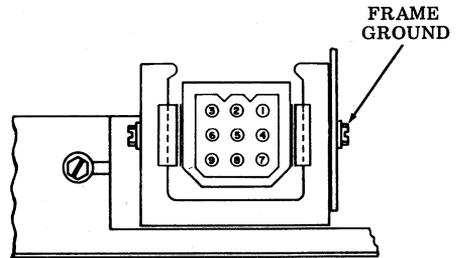
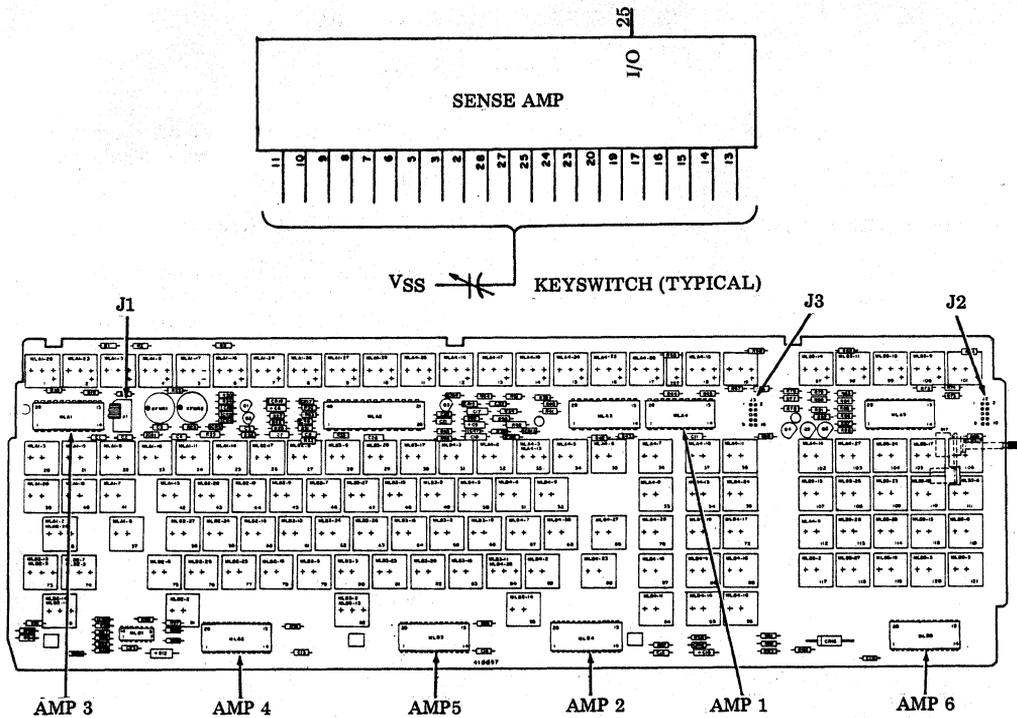


Fig. 2—Rear View of J1 Connector

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Sense Amp Chart

SENSE AMP PIN NO.	SENSE AMP 1 (MLA4)	SENSE AMP 2 (MLB4)	SENSE AMP 3 (MLA1)	SENSE AMP 4 (MLB2)	SENSE AMP 5 (MLB3)	SENSE AMP 6 (MLB5)
	KEY POSITION NUMBER					
11	38	94	24	90 OT	84	98
10	37	96	23	61	66	99
9	53	88	22	45	49	100
8	112	52	57	27	65	116
7	36	67	41	74	46	106
6	35	31	4	75	28	111
5	34	50	3	74 OT	79	121
3	33	31	20	73 OT	80	120
2	32	85	56	91	92	117
28	10	68	1	56 OT	29	113
27	103	69	9	58	47	118
26	11	84 OT	8	76	63	108
24	15	55	7	59	62	104
23	16	86	2	77	81	109
20	17	70	39	43	82	114
19	14	71	40	44	48	119
17	13	72	5	26	30	105
16	12	89	6	60	64	110
15	18	87	21	78	83	115
14	102	95	25	90	93	97
13	33 OT	54	42	73	92 OT	107

OT — Over-Travel

Fig. 3—Keyswitches and Sense Amplifiers

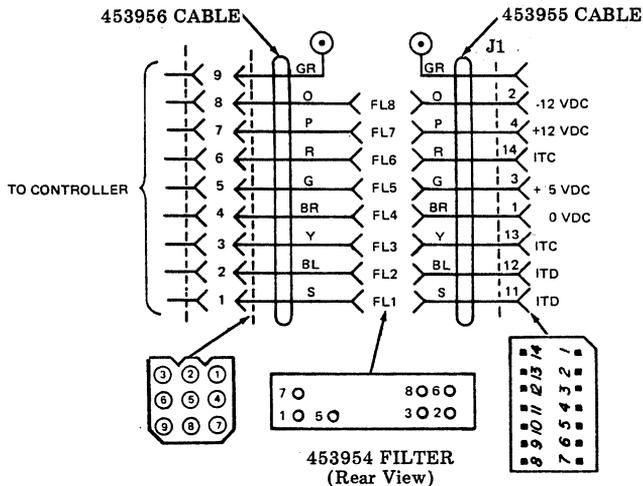


Fig. 4—SSI Connector to 14-Pin Connector

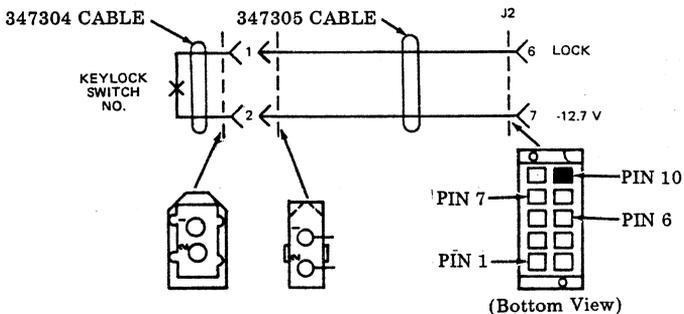


Fig. 5—Cabling for 347300 Keylock

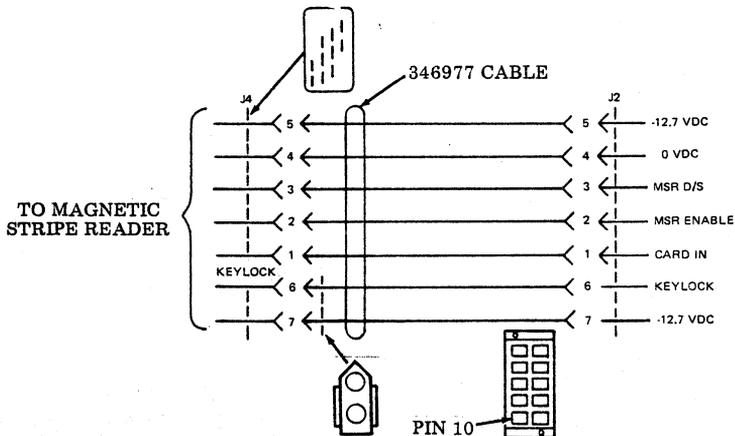


Fig. 6—Cable for Optional Magnetic Stripe Reader