

Burroughs Corporation				CHANGE SHEET				DOCUMENT TITLE B-5000 I/8 CONTROL UNIT MODEL III EQUATION BOOK						DOCUMENT NO. T-11201712		REV. AA	
ELECTRODATA M & E DIVISION - PASADENA CALIFORNIA														PAGE .01		OF 250	
REV. LTR.	CONT. DOC. & NO.	ORIG. BY	CHKD. BY	APP'D BY & DATE	PAGE	LINE OR P.	REVISION DESCRIPTION	REV. LTR.	CONT. DOC. & NO.	ORIG. BY	CHKD. BY	APP'D BY & DATE	PAGE	LINE OR P.	REVISION DESCRIPTION		
AA	ER 1660C	TJ	③	STK D.T.K. 7-11-64			Released										

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
AGMS	ALLOW GROUP MARK SWITCH	0040.00	AA
AMNS	ALLOW GROUP MARK SWITCH > MINIMUM	0023.00	AA
AMNS/	ALLOW GROUP MARK SWITCH # MINIMUM	0022.00	AA
AMXS	ALLOW GROUP MARK SWITCH > MAXIMUM	0022.00	AA
AMXS/	ALLOW GROUP MARK SWITCH # MAXIMUM	0022.00	AA
AOFF	ADDRESS OVERFLOW FF	0023.00	AA
[A+10]	ADDRESS COUNTER + 1	0024.00	AA
A-10	ADDRESS COUNTER - 1	0024.00	AA
BASD	BULK FILE ADDRESS SHIFT DRIVER	0024.00	AA
BFMS	BACKWARD FLAM MULTI	0025.00	AA
BFMS/	BACKWARD FLAM MULTI NOT	0025.00	AA
BFOD	BULK FILE ORDER DRIVER	0025.00	AA
BFOS	BULK FILE ORDER SWITCH	0025.00	AA
BFOS/	BULK FILE ORDER SWITCH NOT	0025.00	AA
BF2M	BACKWARD FLAM CHECK MULTI=200 BPI	0026.00	AA
BF5M	BACKWARD FLAM CHECK MULTI=500 BPI	0025.00	AA
BF8M	BACKWARD FLAM CHECK MULTI=800 BPI	0026.00	AA
BKMF	BACKWARD FF	0026.00	AA
BLTM	BLANK TAPE MULTI	0024.10	AA
BLTS/	BLANK TAPE SWITCH NOT	0024.10	AA
BRIM	BACKWARD READ INHIBIT MULTI	0026.00	AA
BTDH	BUSY TEST DELAY MULTI	0027.00	AA
BTDS/	BUSY TEST DELAY	0027.00	AA
BHIM	BACKWARD INDEX MULTI	0027.00	AA
CAG001	COMMON [AND] GATE	0001.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
CAG002	COMMON [AND] GATE	0001.00	AA
CAG003	COMMON [AND] GATE	0001.00	AA
CAG004	COMMON [AND] GATE	0001.00	AA
CAG005	COMMON [AND] GATE	0001.00	AA
CAG006	COMMON [AND] GATE	0002.00	AA
CAG007	COMMON [AND] GATE	0002.00	AA
CAG008	COMMON [AND] GATE	0002.00	AA
CAG009	COMMON [AND] GATE	0002.00	AA
CAG010	COMMON [AND] GATE	0002.00	AA
CAG011	COMMON [AND] GATE	0003.00	AA
CAG012	COMMON [AND] GATE	0003.00	AA
CAG013	COMMON [AND] GATE	0003.00	AA
CAG014	COMMON [AND] GATE	0003.00	AA
CAG015	COMMON [AND] GATE	0003.00	AA
CAG016	COMMON [AND] GATE	0004.00	AA
CAG017	COMMON [AND] GATE	0004.00	AA
CAG018	COMMON [AND] GATE	0004.00	AA
CAG019	COMMON [AND] GATE	0004.00	AA
CAG020	COMMON [AND] GATE	0004.00	AA
CAG021	COMMON [AND] GATE	0005.00	AA
CAG022	COMMON [AND] GATE	0005.00	AA
CAG023	COMMON [AND] GATE	0005.00	AA
CAG024	COMMON [AND] GATE	0005.00	AA
CAG025	COMMON [AND] GATE	0005.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
CAG026	COMMON [AND] GATE	0006.00	AA
CAG027	COMMON [AND] GATE	0006.00	AA
CAG028	COMMON [AND] GATE	0006.00	AA
CAG029	COMMON [AND] GATE	0006.00	AA
CAG030	COMMON [AND] GATE	0006.00	AA
CAG032	COMMON [AND] GATE	0007.00	AA
CAG033	COMMON [AND] GATE	0007.00	AA
CAG034	COMMON [AND] GATE	0007.00	AA
CAG035	COMMON [AND] GATE	0007.00	AA
CAG036	COMMON [AND] GATE	0008.00	AA
CAG037	COMMON [AND] GATE	0008.00	AA
CAG038	COMMON [AND] GATE	0008.00	AA
CAG039	COMMON [AND] GATE	0008.00	AA
CAG040	COMMON [AND] GATE	0008.00	AA
CAG041	COMMON [AND] GATE	0009.00	AA
CAG042	COMMON [AND] GATE	0009.00	AA
CAG043	COMMON [AND] GATE	0009.00	AA
CAG044	COMMON [AND] GATE	0009.00	AA
CAG045	COMMON [AND] GATE	0009.00	AA
CAG046	COMMON [AND] GATE	0010.00	AA
CAG047	COMMON [AND] GATE	0010.00	AA
CAG048	COMMON [AND] GATE	0010.00	AA
CAG049	COMMON [AND] GATE	0010.00	AA
CAG050	COMMON [AND] GATE	0010.00	AA
CAG052	COMMON [AND] GATE	0011.00	AA
CAG053	COMMON [AND] GATE	0011.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
CAG054	COMMON [AND] GATE	0011.00	AA
CAG055	COMMON [AND] GATE	0011.00	AA
CAG056	COMMON [AND] GATE	0012.00	AA
CAG057	COMMON [AND] GATE	0012.00	AA
CAG058	COMMON [AND] GATE	0012.00	AA
CAG059	COMMON [AND] GATE	0012.00	AA
CAG060	COMMON [AND] GATE	0012.00	AA
CAG062	COMMON [AND] GATE	0013.00	AA
CAG063	COMMON [AND] GATE	0013.00	AA
CAG064	COMMON [AND] GATE	0013.00	AA
CAG065	COMMON [AND] GATE	0013.00	AA
CAG066	COMMON [AND] GATE	0014.00	AA
CAG067	COMMON [AND] GATE	0014.00	AA
CAG068	COMMON [AND] GATE	0014.00	AA
CAG069	COMMON [AND] GATE	0014.00	AA
CAG070	COMMON [AND] GATE	0014.00	AA
CAG071	COMMON [AND] GATE	0015.00	AA
CAG072	COMMON [AND] GATE	0015.00	AA
CAG073	COMMON [AND] GATE	0015.00	AA
CAG074	COMMON [AND] GATE	0015.00	AA
CAG075	COMMON [AND] GATE	0015.00	AA
CAG076	COMMON [AND] GATE	0016.00	AA
CAG077	COMMON [AND] GATE	0016.00	AA
CAG078	COMMON [AND] GATE	0016.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
CAG079	COMMON [AND] GATE	0016.00	AA
CAG080	COMMON [AND] GATE	0016.00	AA
CAG081	COMMON [AND] GATE	0017.00	AA
CAG082	COMMON [AND] GATE	0017.00	AA
CAG083	COMMON [AND] GATE	0017.00	AA
CAG084	COMMON [AND] GATE	0017.00	AA
CAG085	COMMON [AND] GATE	0017.00	AA
CAG086	COMMON [AND] GATE	0018.00	AA
CAG087	COMMON [AND] GATE	0018.00	AA
CAG088	COMMON [AND] GATE	0018.00	AA
CAG089	COMMON [AND] GATE	0018.00	AA
CAG090	COMMON [AND] GATE	0018.00	AA
CAG091	COMMON [AND] GATE	0019.00	AA
CAG092	COMMON [AND] GATE	0019.00	AA
CAG093	COMMON [AND] GATE	0019.00	AA
CAG095	COMMON [AND] GATE	0019.10	AA
CAG096	COMMON [AND] GATE	0019.10	AA
CAG097	COMMON [AND] GATE	0019.10	AA
CAG099	COMMON [AND] GATE	0019.10	AA
CAG100	COMMON [AND] GATE	0019.10	AA
CAG101	COMMON [AND] GATE	0019.20	AA
CAG102	COMMON [AND] GATE	0019.20	AA
CAG103	COMMON [AND] GATE	0019.20	AA
CAG104	COMMON [AND] GATE	0019.00	AA
CAG105	COMMON [AND] GATE	0019.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
CAG106	COMMON [AND] GATE	0020.00	AA
CAG107	COMMON [AND] GATE	0020.00	AA
CAG110	COMMON [AND] GATE	0020.00	AA
CAG111	COMMON [AND] GATE	0020.00	AA
CAG112	COMMON [AND] GATE	0020.00	AA
CAG113	COMMON [AND] GATE	0020.10	AA
CAG114	COMMON [AND] GATE	0021.00	AA
CAG115	COMMON [AND] GATE	0021.00	AA
CAG116	COMMON [AND] GATE	0021.00	AA
CAG117	COMMON [AND] GATE	0021.00	AA
CAG118	COMMON [AND] GATE	0021.00	AA
CAG119	COMMON [AND] GATE	0022.00	AA
CAG120	COMMON [AND] GATE	0022.10	AA
CAG121	COMMON [AND] GATE	0022.10	AA
CAG122	COMMON [AND] GATE	0022.10	AA
CC0D	CHARACTER COUNTER > 0	0027.00	AA
CC0S/	CHARACTER COUNTER # 0	0029.00	AA
CC1D	CHARACTER COUNTER > 1	0028.00	AA
CC1F	CHARACTER COUNTER 1 FF	0030.00	AA
CC1S/	CHARACTER COUNT # 1	0029.00	AA
CC2D	CHARACTER COUNTER > 2	0028.00	AA
CC2F	CHARACTER COUNTER 2 FF	0031.00	AA
CC3D	CHARACTER COUNTER > 3	0028.00	AA
CC4D	CHARACTER COUNTER > 4	0028.00	AA
CC4F	CHARACTER COUNTER 4 FF	0032.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
CC50	CHARACTER COUNTER > 5	0029.00	AA
CC55/	CHARACTER COUNTER # 5	0029.00	AA
CC60	CHARACTER COUNTER > 6	0028.00	AA
CC70	CHARACTER COUNTER > 7	0029.00	AA
CC75/	CHARACTER COUNTER # 7	0030.00	AA
CDRD-01	CLEAR D REGISTER - 1 D1 THRU D15	0032.00	AA
CDRD-02	CLEAR D REGISTER - 2 D16 THRU D48	0033.00	AA
CIBD	CLEAR IB	0033.00	AA
CI0D	CLEAR IO DRIVEN	0034.00	AA
CLPD	CLEAR LONGITUDINAL PARITY BUFFER	0034.00	AA
CM85/	COMPLEMENT 8/S	0034.00	AA
CM15/	COMPLEMENT 1/S	0035.00	AA
CM2D	COMPLEMENT 2/S	0035.00	AA
CM2S/	COMPLEMENT 2/S	0035.00	AA
CM4D	COMPLEMENT 4/S	0036.00	AA
CM4S/	COMPLEMENT 4/S	0036.00	AA
CM8D	COMPLEMENT 8/S	0036.00	AA
CM8S/	COMPLEMENT 8/S	0037.00	AA
COBD	CLEAR OB	0048.00	AA
COBS	CLOCK OB	0037.00	AA
CPDD	CARD PUNCH DECODER	0038.00	AA
CPOD-01	CARD PUNCH OPERATION - 01	0039.00	AA
CPOD-02	CARD PUNCH OPERATION - 02	0039.00	AA
CPOS/	CARD PUNCH OPERATION NOT	0040.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
CPTD	CARD PUNCH TIMING	0040.00	AA
CR0D	CARD READER OPERATION	0039.00	AA
CS0D	CHARACTER COUNTER SET TO 0	0041.00	AA
CMBD	CLEAR WRITE BUFFER	0041.00	AA
CHRS-01	CLEAR WORD REGISTER - 01	0044.00	AA
CHRS-02	CLEAR WORD REGISTER - 02	0044.00	AA
CHRS/	CLEAR WORD REGISTER NOT	0043.00	AA
IC+10J	CHARACTER COUNTER + 1	0045.00	AA
C-1D	CHARACTER COUNTER - 1	0046.00	AA
DASD	DRUM ADDRESS SHIFT	0049.00	AA
DC0S	DESIGNATE CHANNEL 0	0046.00	AA
DC0S/	DESIGNATE CHANNEL 0 NOT	0046.00	AA
DERS	D REGISTER ERROR	0046.00	AA
DHSS	DROD,HOLF/,STRF	0047.00	AA
DIDS	DRUM INPUT DESCRIPTOR	0047.00	AA
DIDS/	DRUM INPUT DESCRIPTOR NOT	0047.00	AA
DRCS/	DRUM CLEAR NOT	0048.00	AA
DROD-01	MAGNETIC DRUM OPERATION - 01	0048.00	AA
DROD-02	MAGNETIC DRUM OPERATION - 02	0049.00	AA
DROS/	MAGNETIC DRUM OPERATION	0040.00	AA
DS1M	DIGIT SKEW MULTI = M DENSITY	0049.00	AA
DOED	DROP-OUT ERROR DRIVER	0047.10	AA
DOES	DROP-OUT ERROR SWITCH	0047.10	AA
DSHM	DIGIT SKEW WRITE MULTI	0049.10	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
DS1S/	DIGIT SKEN	0050.00	AA
DS2M	DIGIT SKEN MULTI = 200 BPI	0049.00	AA
DS2S/	DIGIT SKEN	0050.00	AA
DS5M	DIGIT SKEN MULTI = 555 BPI	0049.00	AA
DS8M	DIGIT SKEN MULTI = 800 BPI	0049.10	AA
DNSD	D TO W REGISTER SHIFT	0172.10	AA
DNTD	D TO W REGISTER SHIFT TAPE	0172.10	AA
DNND	D TO W REGISTER SHIFT = WORD COUNT	0172.10	AA
DO1D	D REGISTER	0051.00	AA
DO1D/	D REGISTER	0051.00	AA
DO1F	D REGISTER	0050.00	AA
DO2D	D REGISTER	0051.00	AA
DO2D/	D REGISTER	0051.00	AA
DO2F	D REGISTER	0052.00	AA
DO3D	D REGISTER	0051.00	AA
DO3D/	D REGISTER	0052.00	AA
DO3F	D REGISTER	0053.00	AA
DO4D	D REGISTER	0054.00	AA
DO4D/	D REGISTER	0054.00	AA
DO4F	D REGISTER	0054.00	AA
DO5D	D REGISTER	0055.00	AA
DO5D/	D REGISTER	0055.00	AA
DO5F	D REGISTER	0056.00	AA
DO6D	D REGISTER	0055.00	AA
DO6D/	D REGISTER	0055.00	AA
DO6F	D REGISTER	0057.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
DO7D	D REGISTER	0058.00	AA
DO7D/	D REGISTER	0058.00	AA
DO7F	D REGISTER	0057.00	AA
DO8D	D REGISTER	0058.00	AA
DO8D/	D REGISTER	0058.00	AA
DO8F	D REGISTER	0059.00	AA
DO9D	D REGISTER	0058.00	AA
DO9F	D REGISTER	0059.00	AA
D10D	D REGISTER	0060.00	AA
D10F	D REGISTER	0060.00	AA
D11D	D REGISTER	0060.00	AA
D11F	D REGISTER	0062.00	AA
D12D	D REGISTER	0061.00	AA
D12F	D REGISTER	0062.00	AA
D13F	D REGISTER	0063.00	AA
D13S	D REGISTER	0061.00	AA
D13S/	D REGISTER	0061.00	AA
D14F	D REGISTER	0063.00	AA
D14S	D REGISTER	0064.00	AA
D14S/	D REGISTER	0064.00	AA
D15F	D REGISTER	0065.00	AA
D15S	D REGISTER	0064.00	AA
D15S/	D REGISTER	0064.00	AA
D16F	D REGISTER	0065.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
D17F	D REGISTER	0066.00	AA
D18F	D REGISTER	0067.00	AA
D19F	D REGISTER	0068.00	AA
D20F	D REGISTER	0070.00	AA
D20F	D REGISTER (D20F CONT)	0070.01	AA
D21F	D REGISTER	0071.00	AA
D22F	D REGISTER	0072.00	AA
D24D	D REGISTER	0074.00	AA
D24D/	D REGISTER	0074.00	AA
D24F	D REGISTER	0072.00	AA
D24S	D REGISTER	0075.00	AA
D24S/	D REGISTER	0076.00	AA
D25F	D REGISTER	0073.00	AA
D26F	D REGISTER	0074.00	AA
D26S	D REGISTER SWITCH (D26)	0073.10	AA
D26S/	D REGISTER SWITCH NOT (D26)	0073.00	AA
D27D	D REGISTER	0075.00	AA
D27D/-01	D REGISTER	0075.00	AA
D27D/-02	D REGISTER	0075.00	AA
D27D/-03	D REGISTER	0075.00	AA
D27F	D REGISTER	0076.00	AA
D30F	D REGISTER	0077.00	AA
D31F	D REGISTER	0078.00	AA
D32F	D REGISTER	0079.00	AA
D33F	D REGISTER	0080.00	AA
D34F	D REGISTER	0081.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
D35F	D REGISTER	0082.00	AA
D36F	D REGISTER	0083.00	AA
D37F	D REGISTER	0083.00	AA
D38F	D REGISTER	0084.00	AA
D39F	D REGISTER	0084.00	AA
D40F	D REGISTER	0085.00	AA
D41D	D REGISTER	0086.00	AA
D41D/	D REGISTER	0085.00	AA
D41D/-01	D REGISTER	0086.00	AA
D41F	D REGISTER	0085.00	AA
D42D	D REGISTER	0086.00	AA
D42D/	D REGISTER	0086.00	AA
D42F	D REGISTER	0087.00	AA
D43D	D REGISTER	0087.00	AA
D43D/	D REGISTER	0086.00	AA
D43F	D REGISTER	0087.00	AA
D44D	D REGISTER	0088.00	AA
D44D/	D REGISTER	0088.00	AA
D44F	D REGISTER	0089.00	AA
D45D	D REGISTER	0088.00	AA
D45D/	D REGISTER	0088.00	AA
D45F	D REGISTER	0089.00	AA
E0FS	END OF FILE	0089.00	AA
E0FS/	END OF FILE NOT	0090.00	AA
E0PS	END OF PAGE	0090.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
EOPS/	END OF PAGE NOT	0090.00	AA
ERCS	END OF RECORD	0091.00	AA
EXJD	EXNF JCL INPUT DRIVER	0091.00	AA
EXNF	EXTERNAL CONTROL FF	0092.00	AA
EXNS	EXTERNAL CONTROL SWITCH	0093.00	AA
FIND	FINISH LEVEL	0093.00	AA
FNOF	FORWARD FF	0093.00	AA
GEPS-01	GENERATE EVEN PARITY - 01	0094.00	AA
GEPS-02	GENERATE EVEN PARITY - 02	0094.00	AA
GOPS-01	GENERATE ODD PARITY - 01	0094.00	AA
GOPS-02	GENERATE ODD PARITY - 02	0094.00	AA
GPMS	GROUP MARKER	0095.00	AA
GPMS/	GROUP MARKER NOT	0095.00	AA
HBIS	HUB INHIBIT SWITCH	0095.00	AA
HOLF	HOLDOVER FF	0096.00	AA
HOLF	HOLDOVER FF (CONT)	0096.01	AA
IBAF	INPUT BUFFER A FF	0099.00	AA
IBBF	INPUT BUFFER B FF	0099.00	AA
IBPF	INPUT BUFFER P FF	0100.00	AA
IB1F	INPUT BUFFER 1 FF	0097.00	AA
IB2F	INPUT BUFFER 2 FF	0097.00	AA
IB4F	INPUT BUFFER 4 FF	0098.00	AA
IB8F	INPUT BUFFER 8 FF	0098.00	AA
IGMD	INSERT GROUP MARK	0034.00	AA
IIMS	INFORMATION INDEX MULTI	0103.10	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
IIMS/	INFORMATION INDEX MULTI NOT	0103.00	AA
IMCF	INITIATE MAINTENANCE CYCLE FF	0100.00	AA
IMCP	INITIATE MAINTENANCE CYCLE SYNC.	0101.00	AA
IMCS	INITIATE MAINTENANCE CYCLE	0101.00	AA
IMCS/	INITIATE MAINTENANCE CYCLE NOT	0101.00	AA
IMFF	INFORMATION FF	0102.00	AA
IMIF	INFORMATION INDEX FF	0102.00	AA
IM2M	INFORMATION INDEX - 200 BPI	0103.00	AA
IM5M	INFORMATION INDEX - 555 BPI	0103.00	AA
IM8M	INFORMATION INDEX - 800 BPI	0103.00	AA
INOD-01	INQUIRY OPERATION - 01	0114.00	AA
INOD-02	INQUIRY OPERATION - 02	0114.00	AA
IN4D	INQUIRY OPERATION AND SC=4	0101.00	AA
IRAF	INFORMATION READ A FF	0104.00	AA
IRBF	INFORMATION READ B FF	0104.00	AA
IRPF	INFORMATION READ P FF	0105.00	AA
IR1F	INFORMATION READ 1 FF	0105.00	AA
IR2F	INFORMATION READ 2 FF	0106.00	AA
IR4F	INFORMATION READ 4 FF	0106.00	AA
IR8F	INFORMATION READ 8 FF	0107.00	AA
IMSS/	INPUT BUFFER TO MR SHIFT	0103.00	AA
I218/	INPUT LEVEL NOT	0107.00	AA
I228/	INPUT LEVEL NOT	0107.00	AA
I238/	INPUT LEVEL NOT	0108.00	AA
I248/	INPUT LEVEL NOT	0108.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
I25S/	INPUT LEVEL NOT	0108.00	AA
I26S/	INPUT LEVEL NOT	0108.00	AA
I27S/	INPUT LEVEL NOT	0109.00	AA
I28S/	INPUT LEVEL NOT	0109.00	AA
I39S	INPUT LEVEL	0109.00	AA
I40S	INPUT LEVEL	0109.00	AA
J08D	JUMP TO SEQUENCE COUNT 08	0110.00	AA
J09D	JUMP TO SEQUENCE COUNT 09	0111.00	AA
J11D	JUMP TO SEQUENCE COUNT 11	0111.00	AA
J14S	JUMP TO SEQUENCE COUNT 14 SWITCH	0113.00	AA
J14S/-01	JUMP TO SEQUENCE COUNT 14 SWITCH NOT	0112.00	AA
J14S/-02	JUMP TO SEQUENCE COUNT 14 SWITCH NOT	0113.00	AA
KS0D	KEYBOARD - SPO OPERATION	0114.00	AA
LCHF	LAST CHARACTER FF	0115.00	AA
L0SF	LOST DIGIT FF	0119.00	AA
L02M	LOST DIGIT MULTI - 200 BPI	0119.10	AA
L05M	LOST DIGIT MULTI - 555 BPI	0119.10	AA
L08M	LOST DIGIT MULTI - 800 BPI	0119.10	AA
L0BD	LPFF/S TO 0B SHIFT	0047.10	AA
LPAF	LONGITUDNAL PARITY A FF	0117.00	AA
LPBF	LONGITUDNAL PARITY B FF	0117.00	AA
LPES	LONGITUDNAL PARITY ERROR	0118.00	AA
LPIM	LOAD POINT READ INHIBIT	0118.00	AA
LPPF	LONGITUDNAL PARITY P FF	0119.10	AA
LPWF	LONGITUDNAL PARITY WRITE FF	0120.00	AA
LPOS/	LONGITUDNAL PARITY FF/S # 0	0118.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
LP1F	LONGITUDNAL PARITY 1 FF	0120.00	AA
LP2F	LONGITUDNAL PARITY WRITE FF	0121.00	AA
LP2M	LONGITUDNAL PARITY GAP - 200 BPI	0121.00	AA
LP4F	LONGITUDNAL PARITY 4 FF	0122.00	AA
LP8F	LONGITUDNAL PARITY 8 FF	0122.00	AA
LP5M	LONGITUDNAL PARITY GAP - 555 BPI	0121.00	AA
LP8M	LONGITUDNAL PARITY GAP - 800 BPI	0121.00	AA
MAND	MEMORY ACCESS NEEDED	0123.00	AA
MANF	MEMORY ACCESS NEEDED FF	0123.00	AA
MAOF	MEMORY ACCESS OBTAINED FF	0124.00	AA
MAPS	MEMORY ACCESS PERMIT	0115.00	AA
MAPS/	MEMORY ACCESS PERMIT NOT	0116.00	AA
MCYS	MEMORY CYCLE	0116.00	AA
MCYS/	MEMORY CYCLE NOT	0116.00	AA
MISD	MEMORY INPUT STROBE	0124.00	AA
MS10D	MAINTENANCE SEQ. COUNTER > 10	0158.00	AA
MWRD	MEMORY WRITE	0124.00	AA
NH025S	WORD COUNTER # 0 + 025F/	0118.00	AA
OBAF	OUTPUT BUFFER A FF	0125.00	AA
OBBF	OUTPUT BUFFER B FF	0126.00	AA
OBCF	OUTPUT BUFFER CALL FF	0127.00	AA
OBPD	OUTPUT BUFFER PARITY	0135.00	AA
OBPS/	OUTPUT BUFFER PARITY NOT	0140.00	AA
OB1F	OUTPUT BUFFER 1 FF	0128.00	AA
OB2F	OUTPUT BUFFER 2 FF	0129.00	AA
OB4F	OUTPUT BUFFER 4 FF	0130.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
088F	OUTPUT BUFFER 8 FF	0131.00	AA
0210	OUTPUT 21	0131.00	AA
0220	OUTPUT 22	0132.00	AA
0230	OUTPUT 23	0132.00	AA
0240	OUTPUT 24	0133.00	AA
0250	OUTPUT 25	0133.00	AA
0260	OUTPUT 26	0134.00	AA
0270	OUTPUT 27	0134.00	AA
PA00	PAPER TAPE READER OPERATION	0135.00	AA
PARS-01	PARITY SWITCH - 01	0135.00	AA
PARS/-01	PARITY SWITCH NOT - 01	0136.00	AA
PARS-02	PARITY SWITCH - 02	0136.00	AA
PARS/-02	PARITY SWITCH NOT - 02	0136.00	AA
PC1F	PULSE COUNTER 1 FF	0137.00	AA
PC2F	PULSE COUNTER 2 FF	0137.00	AA
PC3F	PULSE COUNTER 3 FF	0138.00	AA
PC4F	PULSE COUNTER 4 FF	0138.00	AA
PC5F	PULSE COUNTER 5 FF	0139.00	AA
PC6F	PULSE COUNTER 6 FF	0139.00	AA
PELS	PARITY ERROR LEVEL	0140.00	AA
PH00	PRINTER - HOLDOVER DRIVER	0139.00	AA
PP00	PAPER TAPE PUNCH OPERATION	0039.00	AA
PROD-01	PROCEED - 01	0140.00	AA
PROD-02	PROCEED - 02	0141.00	AA
PS0S	PULSE COUNTER SET TO 0	0141.10	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
PS0S/	PULSE COUNTER SET TO 0 NOT	0141.00	AA
PT00	PRINTER OPERATION	0114.00	AA
PT0S/	PRINTER OPERATION NOT	0118.00	AA
PUCF	PILE UP CONTROL FF	0142.00	AA
[P+10]	PULSE COUNTER + 1	0142.00	AA
P010	PULSE COUNTER > 1	0143.00	AA
P090	PULSE COUNTER > 9	0143.00	AA
P13S	PULSE COUNTER > 13	0143.00	AA
P14S	PULSE COUNTER > 14	0144.00	AA
P14S/	PULSE COUNTER # 14	0143.00	AA
RCNF	RECORD CONTROL FF	0144.00	AA
RECF	RECYCLE FF	0145.00	AA
REMF	REMOTE FF	0145.00	AA
RIMS/	READ INHIBIT	0145.00	AA
SBFS	SET B/S	0146.00	AA
SBFS/	SET B/S NOT	0146.00	AA
SC1F	SEQUENCE COUNTER 1 FF	0147.00	AA
SC2F	SEQUENCE COUNTER 2 FF	0148.00	AA
SC4F	SEQUENCE COUNTER 4 FF	0149.00	AA
SC8F	SEQUENCE COUNTER 8 FF	0150.00	AA
SH0F	SKEW HOLDOVER FF	0151.00	AA
SH0S	SKEW HOLDOVER SWITCH	0151.00	AA
SH80	STRF.HOLFP.8080	0141.00	AA
S100	SET ID UNLOCKED	0033.00	AA
SKFF	SKEW FF	0151.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
STJD	STROBE FLIP FLOP INPUT DRIVER	0152.10	AA
STRF	STROBE FF	0152.00	AA
[S+1S]	SEQUENCE COUNTER +1	0153.00	AA
[S+1S/-01]	SEQUENCE COUNTER +1 - 01	0154.00	AA
[S+1S/-02]	SEQUENCE COUNTER +1 - 02	0155.00	AA
S00D	SEQUENCE COUNTER > 0	0155.00	AA
S01D	SEQUENCE COUNTER > 1	0156.00	AA
S02D	SEQUENCE COUNTER > 2	0156.00	AA
S03D	SEQUENCE COUNTER > 3	0156.00	AA
S03S/	SEQUENCE COUNTER NOT EQUAL TO 3	0156.10	AA
S04D	SEQUENCE COUNTER > 4	0156.00	AA
S04S/	SEQUENCE COUNTER NOT EQUAL TO 4	0156.10	AA
S05D	SEQUENCE COUNTER > 5	0156.00	AA
S06D	SEQUENCE COUNTER > 6	0157.00	AA
S07D	SEQUENCE COUNTER > 7	0157.00	AA
S08D-01	SEQUENCE COUNTER > 8 - 01	0157.00	AA
S08D-02	SEQUENCE COUNTER > 8 - 02	0157.00	AA
S09D	SEQUENCE COUNTER > 9	0157.00	AA
S1FS	SET 1/S	0160.00	AA
S1FS/	SET 1/S NOT	0160.00	AA
S10D	SEQUENCE COUNTER > 10	0158.00	AA
S11D	SEQUENCE COUNTER > 11	0158.00	AA
S12D	SEQUENCE COUNTER > 12	0158.00	AA
S13D	SEQUENCE COUNTER > 13	0158.00	AA
S14S	SEQUENCE COUNTER > 14	0159.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
S14S/	SEQUENCE COUNTER # 14	0159.00	AA
S15D	SEQUENCE COUNTER > 15	0159.00	AA
S15S/	SEQUENCE COUNTER # 15	0159.00	AA
S2FS	SET 2/S	0160.00	AA
S2FS/	SET 2/S NOT	0160.00	AA
S4BD	SEQ. COUNTER EQUAL 4 AND BFOD	0156.10	AA
S4FS	SET 4/S	0161.00	AA
S4FS/	SET 4/S NOT	0161.00	AA
S8FS	SET 8/S	0161.00	AA
S8FS/	SET 8/S NOT	0161.00	AA
S8RD	SEQ. COUNTER EQUAL 8 AND D24F	0156.10	AA
S8ND	SEQ. COUNTER EQUAL 8 AND D24F/	0156.10	AA
TA0D-01	TAPE OPERATION - 01	0162.00	AA
TA0D-02	TAPE OPERATION - 02	0162.00	AA
TA0D-03	TAPE OPERATION - 03	0162.00	AA
TDCS	TAPE DRIVE CONFLICT SWITCH	0162.00	AA
TDCS/	TAPE DRIVE CONFLICT SWITCH NOT	0162.00	AA
TIRS	TAPE IMIF.RCNF	0159.00	AA
TISD	TAPE INPUT STROBE	0163.00	AA
TLPD	TAPE LONGITUDNAL PARITY	0163.00	AA
TRAS	TRANSFER A	0163.00	AA
TRBD	TAPE READ BACKWARD	0172.00	AA
TRBS	TRANSFER B	0164.00	AA
TRPS	TAPE READ PULSE SWITCH	0165.00	AA
TRPS/	TAPE READ PULSE SWITCH NOT	0165.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
TR1S	TRANSFER 1	0166.00	AA
TR2S	TRANSFER 2	0165.00	AA
TR4S	TRANSFER 4	0166.00	AA
TR8S	TRANSFER 8	0164.00	AA
TSCM	TAPE SPEED CHECK MULTI	0163.00	AA
TSCS	TAPE SPEED CHECK SWITCH	0163.00	AA
TNCD	TRANSFER N - CLOCKED	0167.00	AA
TNFD	TAPE WRITE FORWARD	0173.00	AA
TNUD	TRANSFER N - UNLOCKED	0167.00	AA
UBZS	UNIT BUSY SWITCH	0168.00	AA
UBZS/	UNIT BUSY SWITCH NOT	0168.00	AA
VRCF	VALID RECORD	0168.00	AA
WBAF	WRITE BUFFER A FF	0169.00	AA
WBBF	WRITE BUFFER B FF	0169.00	AA
WBID	WRITE BUFFER INPUT	0042.00	AA
WBPF	WRITE BUFFER P FF	0170.00	AA
WB1F	WRITE BUFFER 1 FF	0170.00	AA
WB2F	WRITE BUFFER 2 FF	0171.00	AA
WB4F	WRITE BUFFER 4 FF	0171.00	AA
WB8F	WRITE BUFFER 8 FF	0172.00	AA
WDSO	W TO O REGISTER SHIFT	0172.00	AA
WEGS	WORD COUNTERS EQUAL	0180.10	AA
WGBM	WRITE GAP BEGIN	0119.00	AA
WGCM	WRITE GAP CONTINUE	0119.10	AA
WGMS/	WRITE GAP MULTI	0173.00	AA
WGNM	WRITE GAP NORMAL	0119.00	AB

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
WRAO	W REGISTER A/S	0179.00	AA
WRAD/	W REGISTER A/S NOT	0173.00	AA
WRBO	W REGISTER B/S	0174.00	AA
WRBD/	W REGISTER B/S NOT	0174.00	AA
WR1O	W REGISTER 1/S	0175.00	AA
WR1O/	W REGISTER 1/S NOT	0175.00	AA
WR2O	W REGISTER 2/S	0176.00	AA
WR2O/	W REGISTER 2/S NOT	0176.00	AA
WR4O	W REGISTER 4/S	0177.00	AA
WR4O/	W REGISTER 4/S NOT	0177.00	AA
WR8O	W REGISTER 8/S	0178.00	AA
WR8O/	W REGISTER 8/S NOT	0178.00	AA
WSHD	WORD COUNTER SHIFT DRIVER	0179.00	AA
[N+1O]	WORD COUNTER + 1	0179.00	AA
W-1O	WORD COUNTER - 1	0179.00	AA
W00S	WORD COUNTER > 0	0180.00	AA
W00S/	WORD COUNTER ≠ 0	0180.00	AA
W01F	WORD REGISTER 01 FF	0181.00	AA
W02F	WORD REGISTER 02 FF	0181.00	AA
W03F	WORD REGISTER 03 FF	0182.00	AA
W04F	WORD REGISTER 04 FF	0182.00	AA
W05F	WORD REGISTER 05 FF	0183.00	AA
W06F	WORD REGISTER 06 FF	0183.00	AA
W07F	WORD REGISTER 07 FF	0184.00	AA
W08F	WORD REGISTER 08 FF	0184.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
W09F	WORD REGISTER 09 FF	0185.00	AA
W10F	WORD REGISTER 10 FF	0185.00	AA
W10S	WORD COUNTER > 10	0186.00	AA
W10S/	WORD COUNTER # 10	0186.00	AA
W11F	WORD REGISTER 11 FF	0186.00	AA
W12F	WORD REGISTER 12 FF	0187.00	AA
W13F	WORD REGISTER 13 FF	0187.00	AA
W14F	WORD REGISTER 14 FF	0188.00	AA
W15F	WORD REGISTER 15 FF	0188.00	AA
W16F	WORD REGISTER 16 FF	0189.00	AA
W17F	WORD REGISTER 17 FF	0189.00	AA
W18F	WORD REGISTER 18 FF	0190.00	AA
W19F	WORD REGISTER 19 FF	0190.00	AA
W20F	WORD REGISTER 20 FF	0191.00	AA
W21F	WORD REGISTER 21 FF	0191.00	AA
W22F	WORD REGISTER 22 FF	0192.00	AA
W23F	WORD REGISTER 23 FF	0192.00	AA
W24F	WORD REGISTER 24 FF	0193.00	AA
W25F	WORD REGISTER 25 FF	0193.00	AA
W26F	WORD REGISTER 26 FF	0194.00	AA
W27F	WORD REGISTER 27 FF	0194.00	AA
W28F	WORD REGISTER 28 FF	0195.00	AA
W29F	WORD REGISTER 29 FF	0195.00	AA
W30F	WORD REGISTER 30 FF	0196.00	AA
W31F	WORD REGISTER 31 FF	0196.00	AA

ELEMENT	DESCRIPTION	BOOK PAGE #	REV
W32F	WORD REGISTER 32 FF	0197.00	AA
W33F	WORD REGISTER 33 FF	0197.00	AA
W34F	WORD REGISTER 34 FF	0198.00	AA
W35F	WORD REGISTER 35 FF	0198.00	AA
W36F	WORD REGISTER 36 FF	0199.00	AA
W37F	WORD REGISTER 37 FF	0199.00	AA
W38F	WORD REGISTER 38 FF	0200.00	AA
W39F	WORD REGISTER 39 FF	0200.00	AA
W40F	WORD REGISTER 40 FF	0201.00	AA
W41F	WORD REGISTER 41 FF	0201.00	AA
W42F	WORD REGISTER 42 FF	0202.00	AA
W43F	WORD REGISTER 43 FF	0202.00	AA
W44F	WORD REGISTER 44 FF	0203.00	AA
W45F	WORD REGISTER 45 FF	0203.00	AA
W46F	WORD REGISTER 46 FF	0204.00	AA
W47F	WORD REGISTER 47 FF	0204.00	AA
W48F	WORD REGISTER 48 FF	0205.00	AA
Z46D	UNIT DESIGNATE MODIFIER	0205.00	AA
Z46D/	UNIT DESIGNATE MODIFIER NOT	0205.00	AA
1MCD	1 MC CLOCK DRIVER	0205.00	AA
17JD	D17F INPUT DRIVER	0066.10	AA
28ID	DRIVER - 200 BPI	0109.10	AA
58ID	DRIVER - 555 BPI	0109.10	AA
88ID	DRIVER - 800 BPI	0109.10	AA

CAG		010
-0-	CAG001	020
-1-	S09D.MANF/.D26F	030
CAG		040
-0-	CAG002	050
-1-	KS0D.D24D.HOLF.STRF/	060
CAG		070
-0-	CAG003	080
-1-	D17F.EXNF.D24F.TIRS	090
CAG		100
-0-	CAG004	110
-1-	TIRS.BKWF.E0FS/.VRCF/	120
CAG		130
-0-	CAG005	140
-1-	[C+1D].CC1F.CC2F	150

CAG		010
-0-	CAG006	020
-1-	C-1D.CC1F/.CC2F/	030
CAG		040
-0-	CAG007	050
-1-	[A+1D].D01D.D02D	060
CAG		070
-0-	CAG008	080
-1-	[A+1D].D01D.D02D.D03D	090
CAG		100
-0-	CAG009	110
-1-	[A+1D].D01D.D02D.D03D.D04D.D05D.D06D	120
CAG		130
-0-	CAG010	140
-1-	[A+1D].D01D.D02D.D03D.D04D.D05D.D06D.D07D.D08D.D09D	150



CAG	010
-0- CAG011	020
-1- 0010.0020.0030.0040.0050.0060.0070.0080.0090.0100.0110.0120	030
CAG	040
-0- CAG012	050
-1- A-10.0010/.0020/	060
CAG	070
-0- CAG013	080
-1- A-10.0010/.0020/.0030/	090
CAG	100
-0- CAG014	110
-1- A-10.0010/.0020/.0030/.0040/.0050/.0060/	120
CAG	130
-0- CAG015	140
-1- A-10.0010/.0020/.0030/.0040/.0050/.0060/.0070/.0080/.0090/	150

CAG	010
-0- CAG016	020
-1- 0010/.0020/.0030/.0040/.0050/.0060/.0070/.0080/.0090/.0100/ .0110/.0120/	030 031
CAG	040
-0- CAG017	050
-1- S040.TA00-03	060
CAG	070
-0- CAG018	080
-1- PELS.030F/.E0PS/	090
CAG	100
-0- CAG019	110
-1- TIRS.030F/.D26F.LP0S/	120
CAG	130
-0- CAG020	140
-1- S040.0HSS	150

CAG	010
-0- CA8021	020
-1- TA00-02.EXNS.0BCF.CC70	030
CAG	040
-0- CA8022	050
-1- WSHD.D26S/,042F	060
CAG	070
-0- CA8023	080
-1- PROD-02.CPOD-02	090
CAG	100
-0- CA8024	110
-1- PROD-02.CROD.D27F/	120
CAG	130
-0- CA8025	140
-1- PROD-02.CROD.D27F	150

CAG	010
-0- CA8026	020
-1- W-10.D31F/,032F/	030
CAG	040
-0- CA8027	050
-1- (W+10).D31F.D32F	060
CAG	070
-0- CA8028	080
-1- W-10.D31F/,032F/,033F/	090
CAG	100
-0- CA8029	110
-1- OMSS.S080-02	120
CAG	130
-0- CA8030	140
-1- OMSS.S080-02	150

CAG	040
-0- CAG032	050
-1- N=10.031F/.032F/.033F/.034F/.035F/.036F/	060
CAG	070
-0- CAG033	080
-1- PA00.S080=01	090
CAG	100
-0- CAG034	110
-1- KS00.0240/.0PMS	120
CAG	130
-0- CAG035	140
-1- S040.TA00=01.0240/.026F.STRF	150

CAG	010
-0- CAG036	020
-1- S080=02.CROD.122S/.026F/	030
CAG	040
-0- CAG037	050
-1- S050.PT00.W00S	060
CAG	070
-0- CAG038	080
-1- TA00=01.W0MS/.STRF	090
CAG	100
-0- CAG039	110
-1- HBIS.DSNM.SKFF/	120
CAG	130
-0- CAG040	140
-1- S080=02.DROD=01.STRF	150

CAG	010
-D- CAG041	020
-I- (P+1D).PC1F.PC2F	030
CAG	040
-D- CAG042	050
-I- (P+1D).PC1F.PC2F.PC3F	060
CAG	070
-D- CAG043	080
-I- (S+1S).SC1F.SC2F	090
CAG	100
-D- CAG044	110
-I- MS10D.BF0D.EXNS	120
CAG	130
-D- CAG045	140
-I- D22F.D24F/.D25F/.D27F/.MS10D.BF0S/	150

CAG	010
-D- CAG046	020
-I- S07D.PA0D	030
CAG	040
-D- CAG047	050
-I- D41D/-01.D42F.D43F/.D44F/.D45F	060
CAG	070
-D- CAG048	080
-I- D41D/-01.D42F/.D43F.D44F/.D45F	090
CAG	100
-D- CAG049	110
-I- IN0D-02.STRF/.S0RD.H0LF	120
CAG	130
-D- CAG050	140
-I- I01F.I02F.I04F.I00F.I04F/.I00F/.VRCF/	150

CAG	040
-O- CAG052	050
-I- D41D/-01.D42F/.D43F.D44F/.D45F/	060
CAG	070
-O- CAG053	080
-I- D41D/-01.D42F/.D43F/.D44F.D45F/	090
CAG	100
-O- CAG054	110
-I- D41D/-01.D42F/.D43F/.D44F/.D45F	120
CAG	130
-O- CAG055	140
-I- SHOS.EOPS/	150

CAG	010
-O- CAG056	020
-I- SHOS.EOPS/	030
CAG	040
-O- CAG057	050
-I- S8ND.GPMS.INDD-02	060
CAG	070
-O- CAG058	080
-I- SC1F/.SC2F/.SC4F/.SC6F	090
CAG	100
-O- CAG059	110
-I- IMIF.BKNF.RCNF/	120
CAG	130
-O- CAG060	140
-I- S09D.MANF/.PTOD	150

CAG	040
-0- CA8062	050
-1- S48D.LCMF	060
CAG	070
-0- CA8063	080
-1- MS10D.BFOS.EXNS	090
CAG	100
-0- CA8064	110
-1- S09D.W00S.D25F.MANF/.M0Y8/	120
CAG	130
-0- CA8065	140
-1- S11D.D26F/.CP0D=02	150

CAG	010
-0- CA8066	020
-1- S08D=02.BFOS.D27D/=01	030
CAG	040
-0- CA8067	050
-1- SC1F/.SC2F.SCAF/.SCBF	060
CAG	070
-0- CA8068	080
-1- MS10D.PT0D	090
CAG	100
-0- CA8069	110
-1- PROD=01.INDD=01	120
CAG	130
-0- CA8070	140
-1- VRCP.PWDF.EXNF/.TIRS	150

CAG	010
-0- CAG071	020
-1- FMOF.EXNF/.TIRS	030
CAG	040
-0- CAG072	050
-1- TA00-01.D17F.D20F.D24F	060
CAG	070
-0- CAG073	080
-1- I23D-C.I24D-C.I28S/.I26S/.SBFS/.WRAD	090
CAG	100
-0- CAG074	110
-1- I23D-C.I24D-C.I28S/.I26S/	120
CAG	130
-0- CAG075	140
-1- I24S/.I28D-C.S4FS/	150

CAG	010
-0- CAG076	020
-1- I23D-C.I24D-C.I26D-C.S8FS	030
CAG	040
-0- CAG077	050
-1- D31F/.D32F/.D33F/.D34F/	060
CAG	070
-0- CAG078	080
-1- D35F/.D36F/.D37F/.D38F/.D39F/.D40F/	090
CAG	100
-0- CAG079	110
-1- D31F/.D32F/.D33F/.D34F/	120
CAG	130
-0- CAG080	140
-1- IMIF.BKMF.RCNF/	150

CAG	010
-0- CAG081	020
-1- INIF.RCNF.FNDF.ERCS	030
CAG	040
-0- CAG082	050
-1- D31F.D32F/.D33F/.D34F/	060
CAG	070
-0- CAG083	080
-1- D27D/-02.WRAD	090
CAG	100
-0- CAG084	110
-1- IN00-02.S060.CC30	120
CAG	130
-0- CAG085	140
-1- BASD.LCMF.D17F	150

CAG	010
-0- CAG086	020
-1- IN00-01.STRF.S8WD	030
CAG	040
-0- CAG087	050
-1- D35F/.D36F/.D37F/.D38F/.D39F/.D40F/	060
CAG	070
-0- CAG088	080
-1- D41D/-01.D42F.D43F.D44F/.D45F/	090
CAG	100
-0- CAG089	110
-1- D41D/-01.D42F/.D43F.D44F.D45F/	120
CAG	130
-0- CAG090	140
-1- 0010.0020.0030.0040.0050.0060.0070.0080.0090.0100.0110.0120	150

CAG	010
-0- CAG091	020
-I- D010/.D020/.D030/.D040/.D050/.D060/.D070/.D080/.D09F/.D10F/ .D11F/.D12F/	030 031
CAG	040
-0- CAG092	050
-I- W-10.D31F/.D32F/.D33F/	060
CAG	070
-0- CAG093	080
-I- DR00-02.S080-02.EXNF	090
CAG	100
-0- CAG104	110
-I- CP00-01.PC3F/.PC4F.PC5F/.PC6F/	120
CAG	130
-0- CAG105	140
-I- TA00-01.RIMS/.NGMS/	150

CAG	010
-0- CAG095	020
-I- SC1F/.SC2F/.SC4F.SC8F/	030
CAG	040
-0- CAG096	050
-I- S03D.PT00.CC4D	060
CAG	070
-0- CAG097	080
-I- WSHD.D26S/.D42F	090
CAG	100
-0- CAG099	110
-I- S07D.PH00.D17F/	120
CAG	130
-0- CAG100	140
-I- TA00-02.S150.MANF/	150

CAG	010
-0- CAG101	020
-1- S09D.MANF/,PTOS/	030
CAG	040
-0- CAG102	050
-1- SMOF.EOPS/	060
CAG	070
-0- CAG103	080
-1- PROD-01.INOD-01.D40F	090

CAG	010
-0- CAG106	020
-1- D41D/-01.D42F,D43F/,D44F,D45F/	030
CAG	040
-0- CAG107	050
-1- D41D/-01.D42F,D43F,D44F,D45F/	060
CAG	070
-0- CAG110	080
-1- S08D-01.MOLF/	090
CAG	100
-0- CAG111	110
-1- TAOD-01.I35D-C	120
CAG	122
-0- CAG112	124
-1- INOD-01.S05D	126

CAG	010
-O- CAG113	020
-I- NR8D,NR4D/,NR2D,NR1D	030

CAG	010
-O- CAG114	020
-I- NR8D/,NR4D/,NR2D/,NR1D/	030
CAG	040
-O- CAG115	050
-I- NR8D,NR4D,NR2D/,NR1D/	060
CAG	070
-O- CAG116	080
-I- D27D/-02,NR8D,NR4D/,NR2D	090
CAG	100
-O- CAG117	110
-I- NR8D/,NR4D/,NR2D/,NR1D/	120
CAG	130
-O- CAG118	140
-I- NR8D,NR4D,NR2D/,NR1D/	150

AMNS SM H	010
-0/- AMNS	020
-1- AMNS/	030
AOFF FF 7	040
-1- AOFF	050
-0- AOFF/	060
-JCL-+(+PROD-01.DROD-01.WOOS	070
+PROD-01.TA0D-02.D24F.D25F.WOOS	080
+PROD-01.TA0D-02.D24D/.D25F.D30F)	090
+(+PROD-01.PPOD.D27D.D30F)	100
+(+S10D.AMXS.D41F/.PTOS/	110
+S10D.AMXS.D26F/.PTOS/	120
+S10D.AMNS.TA0D-02.D24F.D26F)	130
+(+S10D.WOOS.TA0D-02.D24F.D25F	140
+S10D.AMNS.PTOD	150
+PROD-01.PA0D.D30F)	160
-KCL-+ CIOD	170

DELETED

SEE FOLLOWING - PAGE

{A+10} DR 9	010
-0- {A+10}	020
-1- + S10D.AMXS/.PTOS/.(+D41F/	030
+D26F/.D17F/)	040
+ S05D.PTOD.WOOS/	050
+ CAG072.FWDF	060
+ CAG072.BKNF	070
A-10 DR 9	080
-0- A-10	090
-1- + S11D.CPOD-01.D26F.W10S/.D17F/	100
+ S10D.D24F.AMNS/.D26F.TA0D-01.D17F/	110
+ S10D.AMNS/.PTOD	120
BASD DR 9	130
-0- BASD	140
-1- S48D.STRF.HOLF	150

CAG	010
-0- CAG119	020
-I- MCYS/.MD1L/.INCF	030
AMXS/ SM H	040
-0/- AMXS/	050
-I- + D010.D020.D030.D040.D050.D060.D070.D080.D090.D100.D110.D120	060
.D135.D145.D155	061
AMNS/ SM H	070
-0/- AMNS/	080
-I- + D010/.D020/.D030/.D040/.D050/.D060/.D070/.D080/.D09F/.D10F/	090
.D11F/.D12F/.D135/.D145/.D155/	091
AMXS SM H	100
-0/- AMXS	110
-I- AMXS/	120

CAG	010
-0- CAG120	020
-I- EXNF.TA00-02	030
CAG	040
-0- CAG121	050
-I- WSHD.D35F.D42F	060
CAG	070
-0- CAG122	080
-I- TIRS.VRCF.D240	090
CAG	100
-0- CAG123	110
-I- TA00-01.PROD-01	120

AMNS SW H	010
-0/- AMNS	020
-1- AMNS/	030
AOFF FF 7	040
-1- AOFF	050
-0- AOFF/	060
-JCL-+(+PROD-01.DROD-01.WOOS	070
+PROD-01.TA0D-02.D24F.D25F.WOOS	080
+PROD-01.TA0D-02.D24D/.D25F.D30F)	090
+(+PROD-01.PPOD.D27D.D30F)	100
+(+S10D.AMXS.D41F/.PT0S/	110
+S10D.AMXS.D26F/.PT0S/	120
+S10D.AMNS.TA0D-02.D24F.D26F)	130
+(+S10D.WOOS.TA0D-02.D24F.D25F	140
+S10D.AMNS.PT0D	150
+PROD-01.PA0D.D30F)	160
+SOCD.LOTS-2.LODL-2	165
-KCL-+ CI0D	170
+ BASD	180

BLTH	DM S	010
-O-	BLTH	020
-I-	+SMOF.VRCF	030
	+S040.TA00-03.HOLF	040
BLTS/	SM H	050
-O/-	BLVS/	060
-I-	BLTM	070

BFMS/	SM H	010
-O/-	BFMS/	020
-I-	+ BF2M	030
	+ BF5M	040
	+ BF8M	042
BF00	DR 9	050
-O-	BF00	060
-I-	+ CAG088	070
	+ CAG089	080
BF0S	SM H	090
-O/-	BF0S	100
-I-	+ BF0S/	110
BF0S/	SM H +B STICK	120
-O/-	BF0S/	130
-I-	+ CAG088	140
	+ CAG089	150
BF5M	MU M	160
-O-	BF5M	170

BFMS	SM H	010
-0-	BFMS	020
-1-	BFMS/	030

BF2M	MU I	010
-0-	BF2M	020
-1-	♦ CAG080,2B1D,AABOP	030
BKWF	FF 7	040
-1-	BKWF	050
-0-	BKWF/	060
-JCL-♦	TRBD,TDCS/	070
	♦ S06D,TA0D-03,HOLF,D26F	090
-KCL-♦	SH8D,TA0D-03	100
	♦ C100	120
BRIM	DM J	130
-0-	BRIM	140
-1-	TA0D-03.(+S05D	150
	♦S06D)	160
BF8M	MU H	170
-0-	BF8M	180
-1-	CAG080,8B1D,AABOP	190

BTDM	MM N	010
-0-	BTDM	020
-1-	+ AABOP.(+S03D.CC7D.PA0D	030
	+S03D.CC7D.TA0D=03	040
	+PROD=01.PP0D)	050
BTDS/	SM H	060
-0/-	BTDS/	070
-1-	BTDM	080
BWIM	MM 0	090
-0-	BWIM	100
-1-	BKMF.TIRS.AABOP.(+E0FS	110
	+VRCF)	120
CC0D	DR 9	130
-0-	CC0D	140
-1-	CC1F/.CC2F/.CC4F/	150

CC1D	DR 9	010
-0-	CC1D	020
-1-	CC1F.CC2F/.CC4F/	030
CC2D	DR 9	040
-0-	CC2D	050
-1-	CC1F/.CC2F.CC4F/	060
CC3D	DR 9	070
-0-	CC3D	080
-1-	CC1F.CC2F.CC4F/	090
CC4D	DR 9	100
-0-	CC4D	110
-1-	CC1F/.CC2F/.CC4F	120
CC6D	DR 9	130
-0-	CC6D	140
-1-	CC1F/.CC2F.CC4F	150

CC7D DR 9	010
-0- CC7D	020
-1- CC1F,CC2F,CC4F	030
CC1S/ SM H	040
-0/- CC1S/	050
-1- CC1F,CC2F/,CC4F/	060
CC0S/ SM H	070
-0/- CC0S/	080
-1- CC1F/,CC2F/,CC4F/	090
CC5D DR 9	100
-0- CC5D	110
-1- CC1F,CC2F/,CC4F	120
CC5S/ SM H	130
-0/- CC5S/	140
-1- CC1F,CC2F/,CC4F	150

CC7S/ SM H	010
-0/- CC7S/	020
-1- CC1F,CC2F,CC4F	030
CC1F FF 7	040
-1- CC1F	050
-0- CC1F/	060
-JCL=+(+[C+10]	070
+C-10	080
+PRD=01,ORDD=02)	090
+(+CAG001,TA0D=01	100
+TRBD	110
+CAG059)	120
+(+CAG060	130
+CAG004	140
+S03D,CC4D)	150
-KCL=+(+[C+10]	160
+C-10	170
+S03D,CC7D)	180
+(+CS0D)	190

CC2F	FF 7	010
-1-	CC2F	020
-0-	CC2F/	030
-JCL=	(+[C+1D].CC1F	040
	+C-1D.CC1F/	050
	+PROD-01.DROD-02)	060
	+(+CAG001.TA0D-01	070
	+TRBD	080
	+CAG059	090
	+CAG060)	100
	+(+CAG004	110
	+S03D.UBZS.D16F.CC4D.D18F)	120
-KCL=	(+[C+1D].CC1F	130
	+C-1D.CC1F/	140
	+CS0D)	150
	+ S03D.CC6D.UBZS/	160
	+ S03D.CC6D.D16F/	170

CC4F	FF 7	010
-1-	CC4F	020
-0-	CC4F/	030
-JCL=	(+CAG005	040
	+CAG006	050
	+CAG001.TA0D-01)	060
	+(+TRBD	070
	+CAG059	080
	+CAG060.D26S/)	090
	+(+CAG004)	100
-KCL=	(+CAG005	110
	+CAG006)	120
	+(+PROD-01.DROD-02	130
	+CS0D)	140
CDRD-01	DR 9	150
-0-	CDRD-01	160
-1-	+ S01D.D19F/.D22F/	170
	+ PROD-01.TA0D-01.D30F.D25F.W00S.D24F	180
	+ S14S	190
	+ S15D.MA0F	200

CDRD-02 DR 9	010
-0- CDRD-02	020
-1- + S010.D19F/.D22F/	030
+ S150.MAOF	040
CIBD DR 9	050
-0- CIBD	060
-1- + S060.INOD-01	070
+ TIRS.BKNF.EOFS	080
+ STRF.HOLF.D41F/.GPM5/	090
+ CIOD	100
+ S030.CC5D	110
+ TIRS.BKNF.VRCF	120
+ S050.INOD-01	122
+ DRQD-1.S09D	124
SIBD DR 9	130
-0- SIBD	140
-1- + IN4D.HOLF/.AAB+P	150
+ S8RD.(+DR0D-01.I23D-C.HOLF/	160
+STRF.HOLF/.DROS/.D41F/)	170

7644 + 7311

IGMD DR 9	010
-0- IGMD	020
-1- + CAG071.EOFS	030
+ CAG071.VRCF	040
CIOD DR 9	050
-0- CIOD	060
-1- + S150.MAOF	070
CLPD DR 9	080
-0- CLPD	090
-1- +(+IMIF.EOFS/.VRCF/.RCNF	100
+SH8D.LCMF.DR0D-01	110
+SO4D.PTOS/.BFOS/)	120
+ (+BASD.CC0D	130
+CIOD)	140
CHBS/ SN M	150
-0/- CHBS/	160
-1- D27D/-02.WRAD	170

CM1S/ SM H	010
-0/- CM1S/	020
-1- 0270/-02.WR80.WRAD/.WR20	030
CM2D DR 9	040
-0- CM2D	050
-1- 0270/-02.(+CAG113	060
+WRAD/.CAG114	070
+WRBD.WRAD.CAG115	080
+WRBD/.CAG114)	090
CM2S/ SM H	100
-0/- CM2S/	110
-1- + 0270/-02.(+CAG113	120
+WRAD/.CAG114	130
+WRBD.WRAD.CAG115	140
+WRBD/.CAG114)	150

CM4D DR 9	010
-0- CM4D	020
-1- 0270/-02.(+CAG113	030
+CAG115)	040
CM4S/ SM H	050
-0/- CM4S/	060
-1- 0270/-02.(+CAG113	070
+CAG115)	080
CM8D DR 9	090
-0- CM8D	100
-1- 0270/-02.(+WRAD/.CAG117	110
+WRBD/.CAG117	120
+WRAD/.CAG118	130
+WRBD/.CAG118)	140

CMBS/ SW M	010
-0/- CMBS/	020
-I- D27D/-02.(+WRAD/.CAG117	030
+WRBD/.CAG117	040
+WRAD/.CAG118	050
+WRBD/.CAG118)	060
COBS SW M	070
-0/- COBS	080
-I- + SC8F/	090
+ SC4F	100
+ SC2F	110
+ SC1F	120
+ STRF/	130
+ HOLF	140
+ D24F	150

CPDD DR 9	010
-0- CPBD	020
-I- +(+I24S/.I28S/.I26S/.SBFS.WRAD	030
+CAG073.S1FS	040
+CAG073.S2FS	050
+CAG073.S4FS	060
+CAG073.S8FS)	070
+(+CAG074.S8FS.S4FS/.S2FS.S1FS/	080
+CAG075.I23S/.S8FS/.S2FS/.S1FS.I26S/	090
+CAG075.I23D-C.SBFS/.WRAD.S2FS.S1FS/	100
+CAG075.I23D-C.S8FS/.S2FS.S1FS/	110
+I23S/.I24D-C.I28D-C.S4FS/.S2FS.S1FS	120
+CAG075.I23D-C.SBFS/.WRAD/.S8FS/.S1FS/)	130
+(+I23D-C.I24D-C.I28D-C.S4FS.S2FS/.S1FS/	140
+I23S/.I24S/.I28S/.S4FS.S2FS/.S1FS	150
+I23D-C.I24S/.I26D-C.S4FS.S2FS.S1FS/	160
+I23S/.I24D-C.I26D-C.S4FS.S2FS.S1FS	170
+CAG076.S2FS.S1FS)	180
+(+CAG076.S2FS/.S1FS/	190
+CAG076.S4FS	200
+CAG076.SBFS/.WRAD.S1FS/	210
+I28D-C.I26D-C.S8FS.S4FS/.S2FS/.S1FS	220
+I23S/.I28S/.I26S/.SBFS.WRAD/	230
+I23D-C.I24D-C.I26D-C.S8FS/.WRAD/.S4FS/.S2FS/.S1FS/)	240

Card punch decoder

CPOD-01 DR 9	010
-0- CPOD-01	020
-1- + CAG106.D24D/	030
CR0D DR 9	040
-0- CR0D	050
-1- + CAG106.D24F	060
+ CAG107.D24F	070
PPOD DR 9	080
-0- PPOD	090
-1- + CAG047.D24F/	100
+ CAG048.D24F/	110
CPOD-02 DR 9	120
-0- CPOD-02	130
-1- + CAG106.D24D/	140

CPTD DR 9	010
-0- CPTD	020
-1- + S10D.CPOD-02.D26F/	030
+ S08D-02.CPOD-02.STRF.HQLF/.CC0S/	040
+ S08D-02.CPOD-02.EXNF.D26F	050
AGMS SW H	060
-0/- AGMS	070
-1- + CR0D	080
+ PA0D	090
+ PPOD	100
+ DR0D-02	110
+ IN0D-02.LCHF	112
DR0S/ SW H	120
-0/- DR0S/	130
-1- DR0D-02	140
CPOS/ SW H	150
-0- CPOS/	160
-1- CPOD-02	170

CS00	DR 9	010
-0-	CS00	020
-1-	+ (+TIRS.FWDF.EOFS/.VRCF/	030
	+TLPD.CC40.P010	032
	+CI00)	040
	+ (+CAG101.041F/	050
	+CAG101.026F/	060
	+ TA00-02.EXNF.P090.(+LPWF.LCHF/.025F	070
	+GPMS.LCHF/.025F/)	080
	+ (+PROD-01.DROS/	090
	+DAS0.CC50	100
	+CC50.S060.IN00-02	110
	+TIRS.FWDF.EXNF.024F)	120
CM00	DR 9	130
-0-	CM00	140
-1-	+ TA00-01.EXNF.P010.(+GPMS.025F/	150
	+LPWF.LCHF	160
	+D30F)	170
	+ S030.CC50	180
	+ CI00	190

WB00	DR 9	010
-0-	WB00	020
-1-	+ TA00-03.EXNF.P010.(+D30F/.LPWF/.GPMS/	030
	+D30F/.LPWF/.025F	040
	+D30F/.LCHF/.GPMS/	050
	+D30F/.LCHF/.025F	060

CHRS/ SW H	010
=0/= CHRS/	020
=I- +(+S010.D19F	030
+S010.D22F	040
+CI0D	050
+IMIF.BKNF.RCNF/	060
+S03D.CC5D.D16F/)	070
+(+S03D.CC5D.D18F/	080
+S03D.CC5D.DR0S/	090
+S8WD.KS0D.STRF.EXNS	100
+S08D=01.CR0D.D18F/	110
+S08D=01.CR0D.LCHF)	120
+(+TA0D=01.SH8D	130
+S08D=01.PP0D.EXNS	140
+S08D=01.D18F/.CP0D=01	150
+TLPD.CC4D.P01D.D30F	160
+S09D.MANF/.D24D/)	170
+(+CC5D.DASD	180
+S02D.EXNF/	190
+S09D.AOFF	200
+S09D.MADF.D24D	210
+S10D.DR0D=01.D18F/)	220
+(+EDFS/.VRCF/.TIRS	230
+S8WD.IN0D=01.STRF.D17F	240
+S48D.LCHF	250
+S48D.DERS	260

CHRS=01 SW H *8 STICK*	010
=0/= CHRS=01	020
=I- + CHRS/	030
+ MAPS/	040
CHRS=02 SW H *8 STICK*	050
=0/= CHRS=02	060
=I- + CHRS/	070
+ MAPS/	080

[C+1D] DR 9	010
-0- [C+1D]	020
-I- +(+SH8D.CR0D	030
+SH8D.KS0D	040
+SH8D.IN0D-02	050
+SH8D.PP0D)	060
+(+SH8D.CP0D-01.CC0S/	070
+SH8D.DR0D-02.LCHF/.LPWF/	080
+SH8D.PA0D)	090
+(+S10D.D24D/.D41F/.D26F/.PT0S/	100
+S10D.D24D/.0BCF	110
+T1SD.D26F/.D27D/-01)	120
+(+T1SD.D26F/.EQPS/	130
+SC8F.CC4F/.P01D.TLPD	140
+S06D.IN0D-02.CC5S/)	150
+(+CC5S/.DASD	160
+S11D.TA0D-01.EXNF.0BCF	170
+S08D-01.EXNF.D26F.CP0D-01)	180
+(+S03D.CC4F/	190
+BASD.CC0S/.EXNF/)	200

C-1D DR 9	010
-0- C-1D	020
-I- + D26F.D27D/-01.T1SD	030
+ D26F.EQPS/.T1SD	040
+ S10D.PT0D	050
+ SH8D.PH0D.EXNF	060
DC0S/ SW H	070
-0/- DC0S/	080
-I- + LP1F/.LP2F/.LP4F/.LP8F/.PT0D	090
+ D36F/.D37F/.D38F/.D39F/.IN0D-01	092
DC0S SW H	100
-0/- DC0S	110
-I- DC0S/	120
DERS SW H +B STICK*	130
-0/- DERS	140
-I- D16F.D18F.D19F/.D20F/.D21F/.D22F/	150

DIDS	SM H	010
-0/-	DIDS	020
-I-	DIDS/	030
DIDS/	SM H	040
-0/-	DIDS/	050
-I-	♦ W41F/.W42F/.W43F.W44F/.W45F/	060
	♦ W41F/.W42F/.W43F/.W44F.W45F/	070
DHSS	SM H *B STICK*	080
-0/-	DHSS	090
-I-	♦ DROS/	100
	♦ HOLF	110
	♦ STRF/	120

DOED	DR 9	010
-0-	DOED	020
-I-	♦ DOES.D30F/	030
	♦ EOPS.SHOS.D30F/.BKWF	040
	♦ EOPS.SHOS.D30F/.RCNF	050
	♦ EXNF.IM1F.D24D/	060
	♦ TSCS.D24D/.EOPS/	062
DOES	SM H	070
-0/-	DOES	080
-I-	♦ IMFF/	090
	♦ SHOF/	100
	♦ LD2H	110
	♦ LD5H	120
	♦ BKWF.CC7D.VRCF/	130
	♦ LD8H	132
LOBD	DR 9	140
-0-	LOBD	150
-I-	♦ PTOD.S12D.D21F/	170
	♦ S48D.CC0D.STRF/.MHO255	180

COBD	DR 9	010
-0-	COBD	020
-1-	♦ CI00	030
	♦ P135.CP00=02	040
	♦ PT00.S110	050
	♦ DR00=02.STRF.D24D/.LCHF.S080=02	060
	♦ S090.MANF/.CP00=02	070
	♦ BASD.CC70	080
	♦ IN40.HOLF/	082
DRCS/	SM H	090
-0/-	DRCS/	100
-1-	♦ HOLF.D24D.LCHF.CAG087.CAG082	110
	♦ J145	120
DR00=01	DR 9	130
-0-	DR00=01	140
-1-	♦ CAG052	150
	♦ CAG053	160
	♦ BF00.SC8F	170

DR00=02	DR 9	010
-0-	DR00=02	020
-1-	♦ CAG052	030
	♦ CAG053	040
	♦ BF00.SC8F	050
DASD	DR 9	060
-0-	DASD	070
-1-	♦ S04D.DR00=01.STRF.HOLF	080
DS5M	MU F	090
-0-	DS5M	100
-1-	♦ 5B1D.CAG039	110
DS2M	MU G	120
-0-	DS2M	130
-1-	♦ 2B1D.CAG039	140

DS8M	MU F	010
-0-	DS8M	020
-I-	881D.CAG039	030
DSMM	MU M	040
-0-	DSMM	050
-I-	TA00-03.026D.SKFF/.TRPS	060

DS1S/	SM H	010
-0/-	DS1S/	020
-I-	♦ DSMM	030
	♦ DS8M	032
	♦ DS5M	034
	♦ DS2M	036
D01F	FF 7	070
-I-	D01F	080
-0-	D01F/	090
-JCL=+	[A+10]	100
	♦ A-10	110
	♦ CDRD-01.S14S.CD1L=C	120
	♦ W01F.WDS0	130
	♦ CAG119.MC1F	140
-KCL=+	[A+10]	150
	♦ A-10	160
	♦ CDRD-01.(+S14S/	170
	♦CD1L/=C)	180

D010	DR 9	010
-0-	D010	020
-I-	D01F	030
D01D/	DR 9	040
-0-	D01D/	050
-I-	D01F/	060
D020	DR 9	070
-0-	D020	080
-I-	D02F	090
D02D/	DR 9	100
-0-	D02D/	110
-I-	D02F/	120
D030	DR 9	130
-0-	D030	140
-I-	D03F	150

D03D/	DR 9	010
-0-	D03D/	020
-I-	D03F/	030
D02F	FF 7	040
-I-	D02F	050
-0-	D02F/	060
-JCL=+	[A+1D].D01D	070
+	A=1D.D01D/	080
+	CDRD=01.S14S.CD2L=C	090
+	W02F.W0SD	100
+	CAG119.MC2F	110
-KCL=+	[A+1D].D01D	120
+	A=1D.D01D/	130
+	CDRD=01.(+S14S/	140
	+CD2L/-C)	150

D03F	FF 7	010
-1-	D03F	020
-0-	D03F/	030
-JCL=+	CAG007	040
	+ CAG012	050
	+ CDRD=01.S14S	060
	+ W03F.W0SD	070
	+ CAG119.MC4F	080
-KCL=+	CAG007	090
	+ CAG012	100
	+ CDRD=01.S14S/	110

D04F	FF 7	010
-1-	D04F	020
-0-	D04F/	030
-JCL=+	CAG008	040
	+ CAG013	050
	+ CDRD=01.S14S	060
	+ W04F.W0SD	070
	+ ADNS=C.S00D	080
	+ INCF.MCYS/	090
-KCL=+	CAG008	100
	+ CAG013	110
	+ CDRD=01.S14S/	120
D04D	DR 9	130
-0-	D04D	140
-1-	D04F	150
D04D/	DR 9	160
-0-	D04D/	170
-1-	D04F/	180

D050	DR 9	010
-0-	D050	020
-1-	D05F	030
D050/	DR 9	040
-0-	D050/	050
-1-	D05F/	060
D060	DR 9	070
-0-	D060	080
-1-	D06F	090
D060/	DR 9	100
-0-	D060/	110
-1-	D06F/	120

D05F	FF 7	010
-1-	D05F	020
-0-	D05F/	030
-JCL-*	CAG008.D04D	040
	* CAG013.D04D/	050
	* N05F.WDSD	060
	* LOTS=C.S00D	070
	* CAG119	080
-KCL-*	CAG008.D04D	090
	* CAG013.D04D/	100
	* CDRD=01	110

D06F	FF 7	010
-1-	D06F	020
-0-	D06F/	030
-JCL-+	CAG008,004D,005D	040
+	CAG013,004D/,005D/	050
+	W06F,W05D	060
-KCL-+	CAG008,004D,005D	070
+	CAG013,004D/,005D/	080
+	CDRO=01	090
D07F	FF 7	100
-1-	D07F	110
-0-	D07F/	120
-JCL-+	CAG009	130
+	CAG014	140
+	W07F,W05D	150
-KCL-+	CAG009	160
+	CAG014	170
+	CDRO=01	180

D07D	DR 9	010
-0-	D07D	020
-I-	D07F	030
D07D/	DR 9	040
-0-	D07D/	050
-I-	D07F/	060
D08D	DR 9	070
-0-	D08D	080
-I-	D08F	090
D08D/	DR 9	100
-0-	D08D/	110
-I-	D08F/	120
D09D	DR 9	130
-0-	D09D	140
-I-	D09F	150

D08F	FF 7	010
-1-	D08F	020
-0-	D08F/	030
-JCL=>	CAG009.D07D	040
	+ CAG014.D07D/	050
	+ W08F.WDSD	060
-KCL=>	CAG009.D07D	070
	+ CAG014.D07D/	080
	+ CORD=01	090
D09F	FF 7	100
-1-	D09F	110
-0-	D09F/	120
-JCL=>	CAG009.D07D.D08D	130
	+ CAG014.D07D/.D08D/	140
	+ W09F.WDSD	150
-KCL=>	CAG009.D07D.D08D	160
	+ CAG014.D07D/.D08D/	170
	+ CORD=01	180

D10F	FF 7	010
-1-	D10F	020
-0-	D10F/	030
-JCL=>	CAG010	040
	+ CAG015	050
	+ W10F.WDSD	060
-KCL=>	CAG010	070
	+ CAG015	080
	+ CORD=01	090
D10D	DR 9	100
-0-	D10D	110
-I-	D10F	120
D11D	DR 9	130
-0-	D11D	140
-I-	D11F	150

D12D	DR 9	010
-0-	D12D	020
-1-	D12F	030
D13S	SM H *B STICK*	040
-0-	D13S	050
-1-	D13F/	060
D13S/	SM H *B STICK*	070
-0-	D13S/	080
-1-	D13F	090

D11F	FF 7	010
-1-	D11F	020
-0-	D11F/	030
-JCL->	CAG010.D100	040
	♦ CAG015.D10F/	050
	♦ W11F.WDSO	060
-KCL->	CAG010.D100	070
	♦ CAG015.D10F/	080
	♦ CORD=01	090
D12F	FF 7	100
-1-	D12F	110
-0-	D12F/	120
-JCL->	CAG010.D100.D110	130
	♦ CAG015.D10F/.D11F/	140
	♦ W12F.WDSO	150
-KCL->	CAG010.D100.D110	160
	♦ CAG015.D10F/.D11F/	170
	♦ CORD=01	180

D13F	FF 7	010
-1-	D13F	020
-0-	D13F/	030
-JCL->	[A+1D].CAG011	040
+	A=1D.CAG016	050
+	W13F.WDSD	060
-KCL->	[A+1D].CAG011	070
+	A=1D.CAG016	080
+	CORD=01	090
D14F	FF 7	100
-1-	D14F	110
-0-	D14F/	120
-JCL->	[A+1D].CAG090.D13S	130
+	A=1D.CAG091.D13S/	140
+	W14F.WDSD	150
-KCL->	[A+1D].CAG090.D13S	160
+	A=1D.CAG091.D13S/	170
+	CORD=01	180

D14S	SM H	010
-0/-	D14S	020
-1-	D14F/	030
D14S/	SM H	040
-0/-	D14S/	050
-1-	D14F	060
D15S	SM H	070
-0/-	D15S	080
-1-	D15F/	090
D15S/	SM H	100
-0/-	D15S/	110
-1-	D15F	120

D15F	FF 7	010
-1-	D15F	020
-0-	D15F/	030
-JCL=+	[A+1D].CAG090.D13S.D14S	040
	+ A=1D.CAG091.D13S/.D14S/	050
	+ W15F.W0SD	060
-KCL=+	[A+1D].CAG090.D13S.D14S	070
	+ A=1D.CAG091.D13S/.D14S/	080
	+ CDRD=01	090
D16F	FF 7	100
-1-	D16F	110
-0-	D16F/	120
-JCL=+	AUNS=C.CC1D.S03D	130
-KCL=+	S03D.CC6D.BTDS/.(+TA0D=02	140
	+PA0D)	150
	+ CDRD=02	160

D17F	FF 7	010
-1-	D17F	020
-0-	D17F/	030
-JCL=+	(+CAG065.I21D=C.I26D=C.I28D=C	130
	+CAG062.I22D=C	140
	+PR0D=02.TA0D=02.D30F.D25F.W00S.D24F)	150
	+ (+S09D.8F0D.D24F/.D25F.MANF/.W00S	160
	+IN0D=01.D24D/.LPPF	162
	+S09D.PT0D.W=1D.WE0S)	164
	+ (+17JD)	166
-KCL=+	J14S.(+SC0F	170
	+SC4F	180
	+SC2F)	190
	+ (+S13D.(S+1S)	200
	+SH0D.CR0D.D27F	210
	+CDRD=02)	220
	+ ^{S09D} S09D .IN0D=02.W0LF/.D24F	230
	+BASD.CC0D)	240

17JD DR 9	010
-0- 17JD	020
-1- +(+CAG057.SH80	030
+CAG057.STRF/	040
+IMCF.MCYS/)	050
+(+S000.ADNS=C	060
+S020.EXNF/	070
+SH80.CROD.D27F)	080
+(+PR00=02.8F00.D27F	090
+CAG049.CC00	100
+CAG049.GPMS	110
+CAG049.LPPF)	120
+(+CAG121.D26S/	130
+CAG121.D32F	140
+CAG121.D33F	150
+CAG121.D34F)	160

D18F FF 7	010
-1- D18F	020
-0- D18F/	030
-JCL-+ S03D.CC3D.(+I21D-C.D41F/	040
+I31D-C.TA00-02)	050
-KCL-+ I21S/.(+S10D.DR0D-02	060
+S08D-02.PA0D	070
+S08D-02.CROD.STRF/.MOLF/)	080
+ I21S/.(+S08D-02.PP0D	090
+CAG065	100
+S08D-02.CP0D-02.STRF/.MOLF/)	110
+ CDRD-02	120
+ S06D.IN0D-02.I27S/.CC1D	130

D19F	FF 7		010
-1-	D19F		020
-0-	D19F/		030
-JCL=>	MANF/.MAOF.MPED=M	PARTY ERROR	040
+	S08D.02.BF0D.I22S/.CC18/.024F/	DISK WENT NOT BUSY BEFORE WRITE FINISHED	050
+	S8ND.BF0D.I28D=C	DISK ERROR ON FERL	060
+	CAG062.I28D=C		070
+	SH8D.024F.LCHF.LPES.DR0D=02.BF0S/		080
+	SH8D.024F.PA0D.I27D=C.030F/		090
+	SH8D.CR0D.027F/.I81F/.I82F/.I84F/.I86F/.I8AF/.I88F/		100
-KCL=>	CORD=02		110
+	INCP		120
-S-	+ BF0S.S10D.024D/.I23D=C		130

20JD	DR 9		010
-0-	20JD		020
-I-	+(<S08D.02.CR0D.LCHF		030
	+CC3D.CAG020		040
	+SH8D.TA0D=02.030F/.026F/.LP0S/		050
	+E0FS.CAG003)		060
	+(<E0FS.CAG019		070
	+VRCF.CAG019		080
	+VRCF.CAG003		090
	+CC5D.CAG020)		100
	+(<S04D.TA0D=02.024F.017F.027F		110
	+PR0D=02.BF0D.024F		120
	+SH8D.BF0D.LCHF.LPES.024F)		130
	+(<TA0D=02.PUCF.SH0F		140
	+TA0D=02.P01D.08CF)		150
	+S06D.IN0D=02.I27S/.CC18)		160

D20F	FF 7	010
-1-	D20F	020
-0-	D20F/	030
-JCL-+	(+SH80.CROD.I25D-C	040
	+DOED	042
	+CAG093.D24F/.I25D-C)	050
	+(+SH80.KS00.D24F.PELS	060
	+PA00.I26D-C.D26F	070
	+S03D.CC4D.CP00-02.I25D-C)	080
	+(+CAG084.I28D-C	090
	+TISD.CAG018	100
	+D24F/.CAG018.PUCF)	110
	+(+SH80.BF0D.PELS.D24F	120
	+S8RD.BF0D.I22S/.CC0S/	130
	+CAG062.I25D-C. D24F/)	140
	+(+20JD	150
	+THFD.I25S/	160
	+S04D.PH0D.I25D-C	170
-KCL-+	CDRD-02	180
	+ DASD	190
	+(+TIRS.E0FS/.VRCF/.D17F/	200
	+IMIF.RCNF.E0FS.D17F	210
	+CAG063)	220
	+(+IMIF.RCNF/.BKNF.D17F/	230
	+TA00-02.D17F.VRCF.SC6F)	240
B-5000 MODEL 3 I/O EQUATION BOOK T-11201712 UNIT NO.16303125 PAGE NO.0070.01 AA		
	+ IMCP	250
-S-	+ DR00-02.S100.D24D/.I23D-C.BF0S/.NAPS	260

+ (+S08D-02) (TA0D-2) .D24F'. I26S')

for 120 ips RIN 5282-009

D21F	FF 7	010
-1-	D21F	020
-0-	D21F/	030
-JCL=+	(+S03D,CR0D,I28D-C	040
	+CAG020,CC4F	050
	+S11D,PH0D,I28D-C,DC0S)	060
	+(+CAG093,I26S/	070
	+S03D,TA0D=02,I39S,CC7D)	072
	+(+TIRS,VRCF/,E0FS,024F	080
	+TA0D=02,S14S,I38D-C,REMF/	090
	+PR0D=02,BF0D,025F)	100
	+(+ 1000 ^{I25S} -C,024F/,CAG084,030F/	110
	+CAG084, 1000 ^{I2LS} -C,024F	120
	+CAG062,I26S/)	130
	+(+D26F/,PA0D,I25D-C	140
	+CAG084,I25D-C,030F	150
	+I25D-C,STRF/,H0LF/,S08D=02,PP0D)	160
-KCL=+	DASD,CC5S/	170
	+ CDRO=02	180
	+ DASD,024F	190
	+ DASD,I25S/	200
	+ IMCP	210
	+ CAG063	220
	+ S04D,TA0D=02	230

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D22F	FF 7	010
-1-	D22F	020
-0-	D22F/	030
-JCL=+	MANF ED-CAPS	040
	+ TMFD I25S	050
	+ S09D,024F/,M025S-(+030F/	060
	+030F,024F/,024F/)	070
	+CDRO=02	080
-1-	D24F	090
-0-	D24F/	100
-JCL=+	M0SD,M24F,010S/	120
	+ M0SD,M46F,010S	130
	+ LOTS=C,S00D	140
	+ CAG063,020F	150
	+ CAG084,I26D-C,030F	152
-KCL=+	CDRO=02	160
	+ PR0D=02,BF0D	170

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D25F	FF 7	010
-1-	D25F	020
-0-	D25F/	030
-JCL-	+ (+MDSO.W25F.DIDS/	040
	+TA00-02.PROD-02.D27F.D240/)	042
	+ (+S100.BF00.EXNF.D21F	050
	+IN00-02.S035/.J14S.EXNF/)	052
	+ (+PT00-PROD-02	060
	+DR00-02.PROD-02	070
	+CP00-02.PROD-02)	080
	+ (+CR00.PROD-02	090
	+PA00.PROD-02	100
	+PP00.PROD-02)	110
-KCL-	+ (+CDRD-02	120
	+S110.PT00.127S/)	130
	+ (+IN00-02.PROD-02	140
	+KS00.PROD-02	150
	+BF00.PROD-02)	160
D26S/	SW H	200
-0-	D26S/	210
-1-	D26F	220

D26S	SW H	010
-0-	D26S	020
-1-	D26F/	030

022F FF 7

010

-1- 022F

020

-0- 022F/

030

-JCL-+ MANF.MAED-C.MAPS

040

+ TMFD.I255/

050

+ S09D.AOFF.NM0255.(+D30F/

060

+D30F.024F/.027F/)

070

-KCL-+ CORD-02

080

+CAG003.AOFF

085

024F FF 7

090

-1- 024F

100

-0- 024F/

110

-JCL-+ MDSD.H24F.D1DS/

120

+ MDSD.W46F.D1DS

130

+ LOTS-C.S00D

140

+ CAG063.D20F

150

+ CAG084.I26D-C.D30F

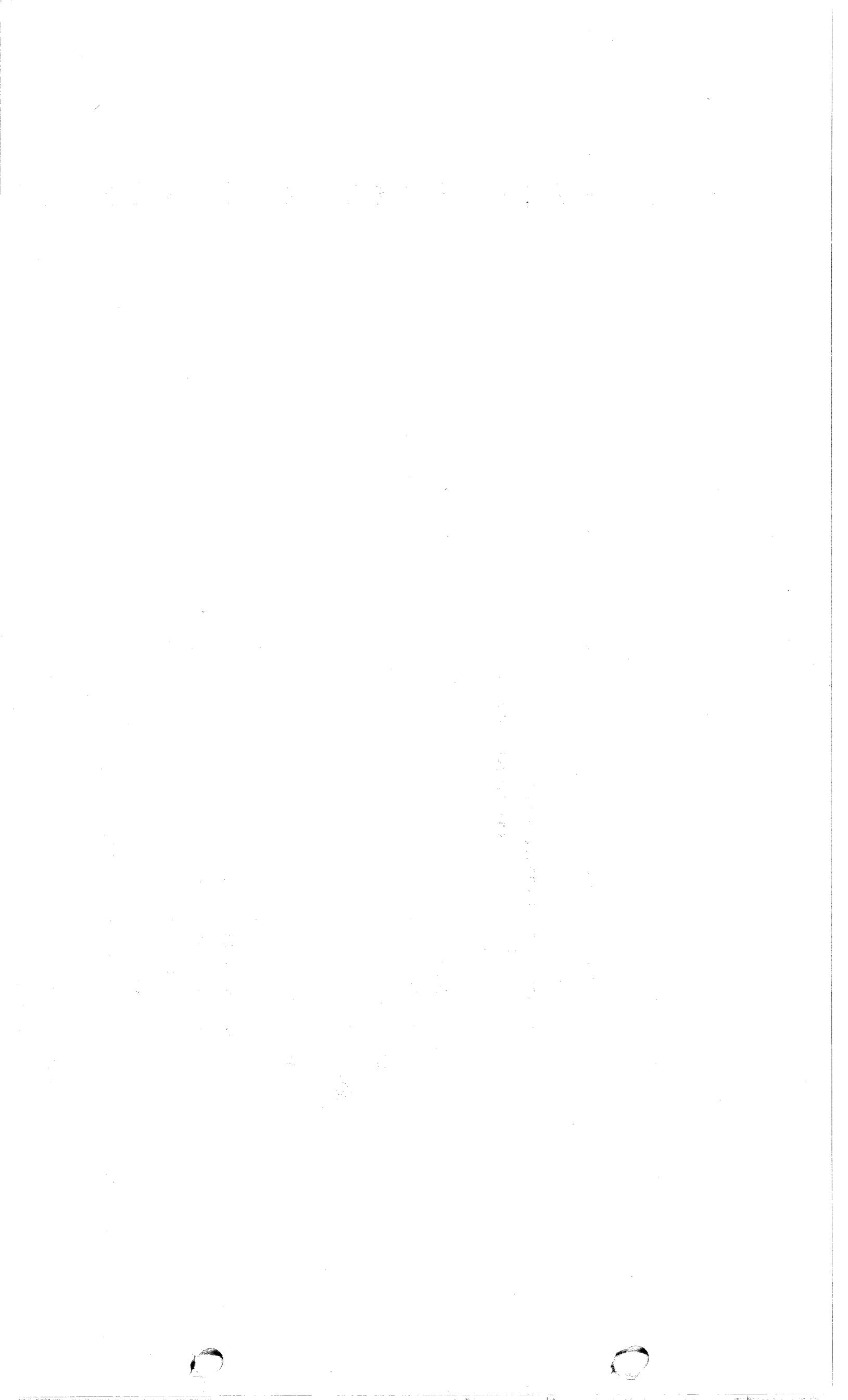
152

-KCL-+ CORD-02

160

+ PR00-02.BF0D

170



D24S/ SM H *B STICK*	010
-0- D24S/	020
-1- D24F	030
D27F FF 7	040
-1- D27F	050
-0- D27F/	060
-JCL-+ MDSO.W27F.D1DS/	070
+ PROD-02.DR00-02	080
+ LOTS-C.S00D	090
+ PROD-02.BF0D.030F	100
+ BASD.EXNF	110
-KCL-+ CDRD-02	120
+ PROD-02.CP0D-02	130
+ BASD.D17...CC0D	140
+ PROD-02.BF0D.030F	150

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D30F FF 7	010
-1- D30F	020
-0- D30F/	030
-JCL-+ PROD-02.TA0D-02.D24F.W00S.D25F	040
+ MDSO.W30F.D1DS/	050
+ PROD-02.BF0D.W00S.D25F	060
-KCL-+ CDRD-02	070

D26F	FF 7	010
-1-	D26F	020
-0-	D26F/	030
-JCL=+	PROD-02.(+CR0D	040
	+CP0D-02)	050
	+(+S110.CP0D-02.I210=C	060
	+M0SD.M26F.010S/	070
	+CAG096.I230=C)	072
-KCL=+	CORD-02	080
	+ PROD-02.BF0D	090
	+ S080-02.(+CR0D.I220=C	100
	+CP0D-02.EXNF	110
	+CP0D-02.LCHF)	120
	+ CAG096.I23S/	122
	+ S10D.PT0D	124
D240	DR 9	130
-0-	D240	140
-1-	D24F	150
D240/	DR 9	160
-0-	D240/	170

D270	DR 9	010
-0-	D270	020
-1-	D27F	030
D270/-01DR 9		040
-0-	D270/-01	050
-1-	D27F/	060
D270/-02DR 9		070
-0-	D270/-02	080
-1-	D27F/	090
D270/-03DR 9		100
-0-	D270/-03	110
-1-	D27F/	120
D24S	SM H *B STICK*	130
-0-	D24S	140
-1-	D24F/	150

024S/ SW H *B STICK* 010

-0- 024S/ 020

-1- 024F 030

027F FF 7 040

-1- 027F 050

-0- 027F/ 060

-JCL-* MDSD.W27F.DTDS/ 070

* PRD-02.DR00-02 080

* LOTS-C.S000.LOCLC 090

* PRD-02.BF00.D30F/ 100

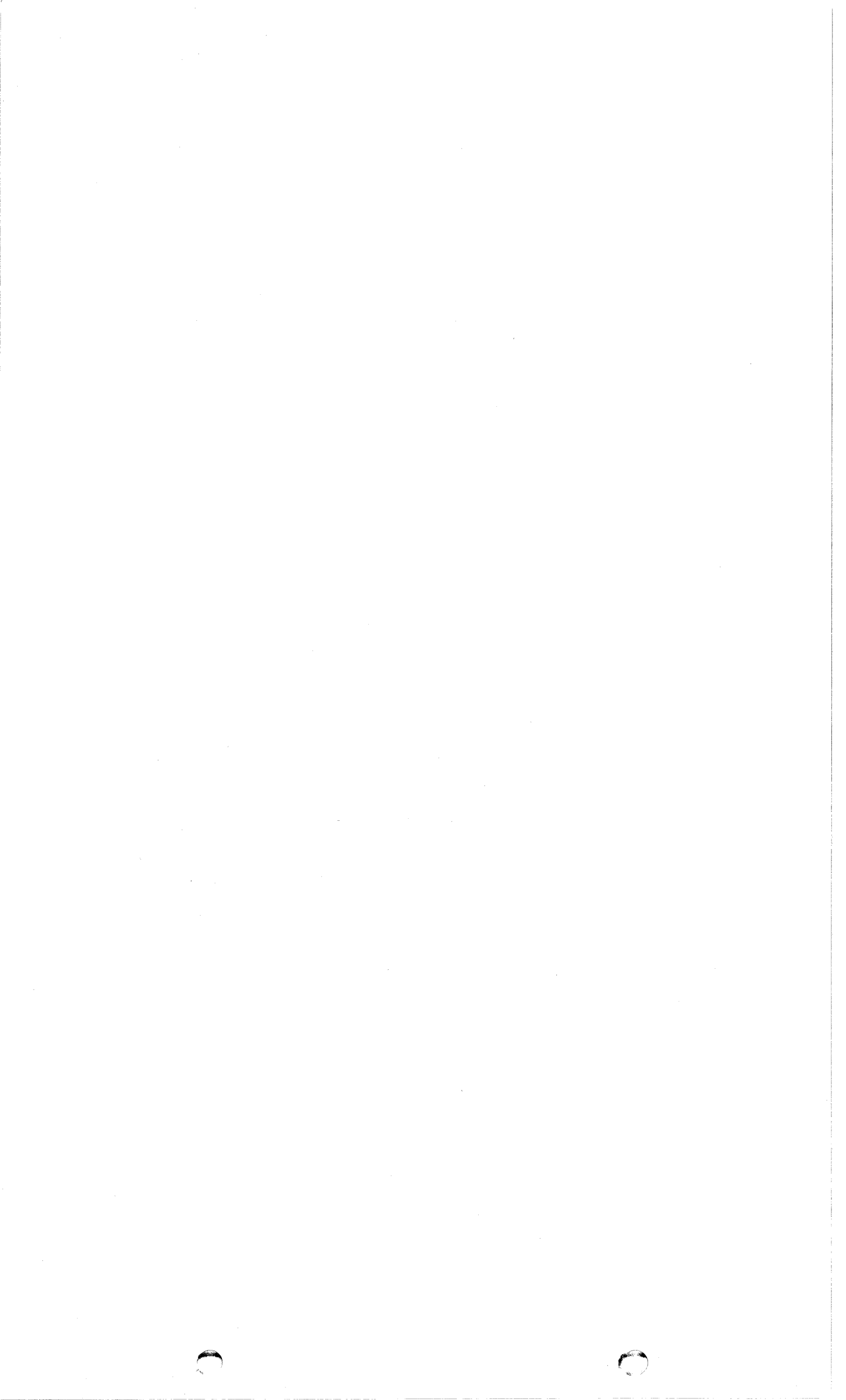
* BASD.EXNF 110

-KCL-* CDRD-02 120

* PRD-02.CP00-02 130

* BASD.D17F/.LCHF/.CC00 140

* PRD-02.BF00.D30F 150



D31F	FF 7	010
-1-	D31F	020
-0-	D31F/	030
-JCL-	(+W-10	040
	+ (W+10))	050
	+ (+WDSO.W31F	060
	+CAG037	070
	+IN4D.IB1F)	072
-KCL-	(+W-10	080
	+ (W+10)	090
	+CAG023)	100
	+ (+CAG024	110
	+CAG025	120
	+CDRD-02)	130
	+ (+WSMO.D42F	140
	+IN4D.IB1F/)	150

D32F	FF 7	010
-1-	D32F	020
-0-	D32F/	030
-JCL-	(+W-10.D31F/	040
	+ (W+10).D31F	050
	+WDSO.W32F)	060
	+ (+CAG022	070
	+CAG023	080
	+CAG024)	090
	+ (+CAG037.D268/	100
	+IN4D.IB2F)	102
-KCL-	(+W-10.D31F/	110
	+ (W+10).D31F)	120
	+ (+CAG025	130
	+CDRD-02	140
	+CAG097)	150
	+ (+IN4D.IB2F/)	160

D33F	FF 7	010
-1-	D33F	020
-0-	D33F/	030
-JCL-	+(+CAG026	040
	+CAG027	050
	+WDSO.W33F)	060
	+(+CAG022	070
	+CAG025	080
	+CAG037.D26S/)	090
	+(+IN40.IB4F)	092
-KCL-	+(+CAG026	100
	+CAG027	110
	+CAG023)	120
	+(+CAG024	130
	+CDRD-02	140
	+CAG097)	150
	+(+IN40.IB4F/)	160

D34F	FF 7	010
-1-	D34F	020
-0-	D34F/	030
-JCL-	+(+CAG028	040
	+CAG027.D33F	050
	+WDSO.W34F	060
	+CAG022)	070
	+(+CAG023	080
	+CAG024	090
	+CAG037.D26S/)	100
	+(+IN40.IB8F)	102
-KCL-	+(+CAG028	110
	+CAG027.D33F)	120
	+(+CAG025	130
	+CDRD-02	140
	+CAG097)	150
	+(+IN40.IB8F/)	160

D35F	FF 7	010
-1-	D35F	020
-0-	D35F/	030
-JCL=+	(+CAG028.D34F/	040
	+CAG037.D26S	042
	+MDSO.M35F)	050
	+(+CAG025	060
	+IN4D.IBAF	070
	+CAG097)	072
-KCL=+	(+CAG028.D34F/	080
	+CAG024	090
	+CORD=02)	100
	+(+CAG022	110
	+IN40.IBAF/)	130

D36F	FF 7	010
-1-	D36F	020
-0-	D36F/	030
-JCL=+	CAG092.D34F/.D35F/	040
	+ MDSO.M36F	050
	+ D31F.MSHD	060
-KCL=+	CAG092.D34F/.D35F/	070
	+ D31F/.MSHD	080
	+ CORD=02	090
D37F	FF 7	100
-1-	D37F	110
-0-	D37F/	120
-JCL=+	CAG032	130
	+ MDSO.M37F	140
	+ D32F.MSHD	150
-KCL=+	CAG032	160
	+ CORD=02	170
	+ D32F/.MSHD	180

D38F	FF 7	010
-1-	D38F	020
-0-	D38F/	030
-JCL=+	CAG032.D37F/	040
+	WDSO.W38F	050
+	D33F.WSHD	060
-KCL=+	CAG032.D37F/	070
+	CORD=02	080
+	D33F/.WSHD	090
D39F	FF 7	100
-1-	D39F	110
-0-	D39F/	120
-JCL=+	CAG032.D37F/.D38F/	130
+	WDSO.W39F	140
+	D34F.WSHD	142
-KCL=+	CAG032.D37F/.D38F/	150
+	[CORD=02]	160
+	D34F/.WSHD	162

D40F	FF 7	010
-1-	D40F	020
-0-	D40F/	030
-JCL=+	CAG032.D37F/.D38F/.D39F/	040
+	WDSO.W40F	050
+	LOTS=C.SOOD.LOOL=C	060
+	D35F.WSHD	062
+	INOD=02.S03D	064
-KCL=+	CAG032.D37F/.D38F/.D39F/	070
+	CORD=02	080
+	D35F/.WSHD	082
D41F	FF 7	090
-1-	D41F	100
-0-	D41F/	110
-JCL=+	WDSO.W41F	120
-KCL=+	CORD=02	130
D410/	OR 9	140
-0-	D410/	150
-1-	D41F/	160

D410	DR 9	010
-0-	D410	020
-1-	D41F	030
D420/	DR 9	040
-0-	D420/	050
-1-	D42F/	060
D420	DR 9	070
-0-	D420	080
-1-	D42F	090
D430/	DR 9	100
-0-	D430/	110
-1-	D43F/	120
D410/-01DR 9		130
-0-	D410/-01	140
-1-	D41F/	150

D42F	FF 7	010
-1-	D42F	020
-0-	D42F/	030
-JCL-+	WDSO.W42F	040
	+ LOCL=C.500D.LOTS=C	050
-KCL-+	CDRD=02	060
D43F	FF 7	070
-1-	D43F	080
-0-	D43F/	090
-JCL-+	WDSO.W43F	100
	+ LODL=C.500D.LOTS=C	110
-KCL-+	CDRD=02	120
D430	DR 9	130
-0-	D430	140
-1-	D43F	150

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D44D/ DR 9	010
-0- D44D/	020
-1- D44F/	030
D44D DR 9	040
-0- D44D	050
-1- D44F	060
D45D/ DR 9	070
-0- D45D/	080
-1- D45F/	090
D45D DR 9	100
-0- D45D	110
-1- D45F	120

D44F FF 7	010
-1- D44F	020
-0- D44F/	030
-JCL-+ WDSO.W44F	040
+ LOCL=C.S000.LOTS=C	050
-KCL-+ CORD=02	060
D45F FF 7	070
-1- D45F	080
-0- D45F/	090
-JCL-+ WDSO.W45F	100
-KCL-+ CORD=02	110
EOFS SW H *B STICK*	120
-0/- EOFS	130
-1- EOFS/	140

D42F FF 7 010

-I- D42F 020

-O- D42F/ 030

-JCL--> WDSD.W42F 040

♦ ~~LOGL=C.S000.LOTS=C~~
+ SCOD.LOTS=C

-KCL--> CORD=02 060

D43F FF 7 070

-I- D43F 080

-O- D43F/ 090

-JCL--> WDGD.W43F 100

♦ LODL=C.S000.LOTS=C

-KCL--> CORD=02 110

D43D OR 9 120

-O- D43D 130

-I- D43F 140

-I- D43F 150



EOPS/ SW H *B STICK*	010
-0/- EOPS/	020
-I- + CAG050.D26F/.CC10	030
+ CAG050.D26F.CC60	040
EOPS/ SW H *B STICK*	050
-0/- EOPS/	060
-I- + BH1M	070
+ LP2M	080
+ LP5M	090
+ LP8M	100
+ STRF.DSMH	110
+ STRF.SKFF	120
EOPS SW H	130
-0/- EOPS	140
-I- EOPS/	150

ERCS SW H	010
-0/- ERCS	020
-I- + EXNF.D24F/	030
+ EOPS/.VRCF/	040
EXJD DR 9	050
-0- EXJD	060
-I- +(+PROD=01.BF00	070
+CAG002.CC00	080
+CAG002.GPMS	090
+CAG033.D21F)	100
+(+CAG033.D18F/	110
+PP00.S08D=01.D18F/	120
+CAG033.D20F	130
+S02D)	140
+(+S11D.TA0D=01.MOLF	150
+PP00.PROD=01	160
+PT00.SH8D	170
+CAG034.SH8D)	180
+(+CAG034.S08D=01.CC1D.STRF/	190
+S05D.IN0D=01.MOLF)	200

EXNF	FF 7	010
-1-	EXNF	020
-0-	EXNF/	030
-JCL->	S08D-01.BF0D.I23S/.I22S/	040
+	EXJD	050
+	CAG033.I23D-C.D27D/-03	060
+	TA0D-01.PROD-01.D30F.D25F.D24D.D26F/.W00S.D27D/-03	070
+	PPOD.S08D-01.I23D-C.D27D/-03	080
+	CPOD-01.S08D-01.I27D-C	090
-KCL->	(+KS0D.D24D/.STRF	100
	+SH8D.CPOD-01.CC0D	110
	+BASD)	120
	+(+S02D	130
	+TLPD.CC4D.P01D	140
	+KS0D.S8RD.HOLF/)	150
	+(+TA0D-01.SC8F.D17F.D20F.EOPS/	160
	+PPOD.STRF.HOLF.S12D	170
	+CI0D)	180
	+(+S06D.IN0D-01.IBBF)	190

EXNS	SH H	*B STICK*	010
-0/-	EXNS		020
-1-	EXNF/		030
FIND	DR 9		040
-0-	FIND		050
-1-	+ S15D.MA0F.REMF		060
FNDF	FF 7		070
-1-	FNDF		080
-0-	FNDF/		090
-JCL->	S04D.TA0D-03.D24D.D26F/		100
+	TR8D.TDCS		110
+	TNFD.I35D-C.NM025S		120
-KCL->	S05D.TA0D-03.HOLF		140
+	T1RS.EXNF/.(+E0FS		150
	+VRCF)		160
+	CI0D		170
+	J14S		180
+	SH8D.TA0D-03		190

GOPS-01 SW H	010
-0/- GOPS-01	020
-I- GEPS-01	030
GEPS-01 SW H	040
-0/- GEPS-01	050
-I- + IBAF.IBBF.IBBF	060
+ IBAF/.IBBF/.IBBF	070
+ IBAF/.IBBF.IBBF/	080
+ IBAF.IBBF/.IBBF/	090
GOPS-02 SW H	100
-0/- GOPS-02	110
-I- GEPS-02	120
GEPS-02 SW H	130
-0/- GEPS-02	140
-I- + IB1F.IB2F.IB4F	150
+ IB1F/.IB2F/.IB4F	160
+ IB1F/.IB2F.IB4F/	170
+ IB1F.IB2F/.IB4F/	180

GPMS SW H *B STICK*	010
-0/- GPMS	020
-I- GPMS/	030
GPMS/ SW H *B STICK*	040
-0/- GPMS/	050
-I- + AGMS.IB1F.IB2F.IB4F.IBBF.IBAF.IBBF.D240	060
+ AGMS.OB1F.OB2F.OB4F.OBBF.OBAF.OBBF.D240/	070
HBIS SW H	080
-0/- HBIS	090
-I- + D41F/	100
+ D240/	110
+ D45F.D44F.D43F/.D42F/ * INSTALL FOR 120KC READ ON T.T.U. 25 *	120
+ D45F.D44F.D43F/.D42F * INSTALL FOR 120KC READ ON T.T.U. 27 *	110
+ D45F.D44F.D43F.D42F/ * INSTALL FOR 120KC READ ON T.T.U. 29 *	130
+ D45F.D44F.D43F.D42F * INSTALL FOR 120KC READ ON T.T.U. 31 *	120

HOLF	FF 7	010
-1-	HOLF	020
-0-	HOLF/	030
-JCL=+	STRF.TA0D=01.(+S05D.MGMS/ +S06D.I32D=C +S08D=01.EQPS/)	040 050 060
+(+S11D.CAG038		070
+CAG123.D24F		080
+(+CAG035.I225/		090
+CAG123.D26F/		092
+CAG035.I34D=C)		100
+(+S10D.KS0D.D24D/		110
+IN4D		120
+STRF.D41F/)		130
-KCL=+	I24S/.(+DR0D=02	140
+IN0D=01.S04S/		150
+KS0D.S08D=01		160
+CR0D)		170
+(+PPOD.I24S/		180
+CPOD=01		190
+PT0D)		200
+(+TA0D=01		210
+CI0D		220
+DR0D=02.S08D. 0000)		230
+(+PA0D.I24S/		240

9201

+BASD) 250

IB1F	FF 7	010
-1-	IB1F	020
-0-	IB1F/	030
-JCL-*	IR1F.CAG055	040
	* IGMD	050
	* CAG103.036F	052
-KCL-*	IR1F/.CAG056	060
	* CIBD	070
-S-	* SIBD.I01D-C	080
IB2F	FF 7	090
-1-	IB2F	100
-0-	IB2F/	110
-JCL-*	IR2F.CAG055	120
	* IGMD	130
	* CAG103.037F	132
-KCL-*	IR2F/.CAG056	140
	* CIBD	150
-S-	* SIBD.I02D-C	160

IB4F	FF 7	010
-1-	IB4F	020
-0-	IB4F/	030
-JCL-*	IR4F.CAG055	040
	* IGMD	050
	* CAG103.038F	052
-KCL-*	IR4F/.CAG056	060
	* CIBD	070
-S-	* SIBD.I03D-C	080
IB8F	FF 7	090
-1-	IB8F	100
-0-	IB8F/	110
-JCL-*	IR8F.CAG055	120
	* IGMD	130
	* CAG103.039F	132
-KCL-*	IR8F/.CAG056	140
	* CIBD	150
-S-	* SIBD.I04D-C	160

IBAF	FF 7	010
-1-	IBAF	020
-0-	IBAF/	030
-JCL=+	IRAF.CAG055	040
	+ IGMD	050
	+ CAG103	052
-KCL=+	IRAF/.CAG056	060
	+ CIBD	070
-S-	+ SIBD.I05D-C	080
IBBF	FF 7	090
-1-	IBBF	100
-0-	IBBF/	110
-JCL=+	IRBF.CAG055	120
	+ IGMD	130
-KCL=+	IRBF/.CAG056	140
	+ CIBD	150
-S-	+ SIBD.I06D-C	160

IBPF	FF 7	010
-1-	IBPF	020
-0-	IBPF/	030
-JCL=+	IRPF.CAG055	040
-KCL=+	IRPF/.CAG056	050
	+ CIBD	060
	+ IGMD	070
-S-	+ SIBD.I07D-C	080
IMCF	FF 7	090
-1-	IMCF	100
-0-	IMCF/	110
-JCL=+	IMCP.S00D	120
	+ REMF/.RECF.MAOF.S15D	130
	+ REMF/.RECF.MCYS.AOFF/.S10D	140
-KCL=	*RES TO -12*	150

IMCP	SYN=MI	010
-0-	IMCP	020
-I-	REMF/.IMCS	030
IMCS	SM H	040
-0/-	IMCS	050
-I-	+ IMCL/	060
	+ IMCS/	070
IMCS/	SM H	080
-0/-	IMCS/	090
-I-	+ IMCL	100
	+ IMCS	110
IN4D	DR 9	120
-0-	IN4D	130
-I-	S04D.IN0D=01	140

IMFF	FF 7	010
-1-	IMFF	020
-0-	IMFF/	030
-JCL=	EOPS/.(+IIMS +BFMS,VRCF/.CC7B)	040 050
-KCL=+	IMIF	080
	+ CIOD	090
IMIF	FF 7	100
-1-	IMIF	110
-0-	IMIF/	120
-JCL=	IMFF.IIMS/.SKFF/.(+BFMS/ +VRCF +CC7S/.VRCF/)	130 140 150
-KCL=	RES TO -12-	160

IIMS/ SW H	010
-0/- IIMS/	020
-I- + IM2M	030
+ IMSM	040
+ IM6M	042
IM5M DU R	050
-0- IM5M	060
-I- 5BID.CAG102.AABOP	070
IM2M DU S	080
-0- IM2M	090
-I- 2BID.CAG102.AABOP	100
IMSS/ SW H	110
-0/- IMSS/	120
-I- D24D.SCBF.MAPS.(+[C+10]	130
+C=10)	140
IM6M DU E	150
-0- IM6M	160
-I- 8BID.CAG102.AABOP	170

IIMS SW H	010
-0/- IIMS	020
-I- IIMS/	030

IRAF	FF 7	010
-1-	IRAF	020
-0-	IRAF/	030
-KCL-+	SHOF	040
	+ CAG017	050
	+ CI00	060
-S-	I15P-C	070
IRBF	FF 7	080
-1-	IRBF	090
-0-	IRBF/	100
-KCL-+	SHOF	110
	+ CAG017	120
	+ CI00	130
-S-	I16P-C	140

IRPF	FF 7	010
-1-	IRPF	020
-0-	IRPF/	030
-KCL-+	SHOF	040
	+ CAG017	050
	+ CI00	060
-S-	I17P-C	070
IRIF	FF 7	080
-1-	IRIF	090
-0-	IRIF/	100
-KCL-+	SHOF	110
	+ CAG017	120
	+ CI00	130
-S-	I11P-C	140

IR2F	FF 7	010
-1-	IR2F	020
-0-	IR2F/	030
-KCL-+	SHOF	040
	+ CAG017	050
	+ CIOD	060
-S-	I12P-C	070
IR4F	FF 7	080
-1-	IR4F	090
-0-	IR4F/	100
-KCL-+	SHOF	110
	+ CAG017	120
	+ CIOD	130
-S-	I13P-C	140

IR8F	FF 7	010
-1-	IR8F	020
-0-	IR8F/	030
-KCL-+	SHOF	040
	+ CAG017	050
	+ CIOD	060
-S-	I14P-C	070
I21S/	SM H	080
-0/-	I21S/	090
-1-	I21D-C	100
I22S/	SM H	110
-0/-	I22S/	120
-1-	+ I22D-C	130
	+ I32D-C	140

I23S/ SM H *B STICK*	010
-0/- I23S/	020
-1- I230-C	030
I24S/ SM H *B STICK*	040
-0/- I24S/	050
-1- ♦ I240-C	060
♦ I340-C	070
I25S/ SM H	080
-0/- I25S/	090
-1- ♦ I250-C	100
♦ I350-C	110
I26S/ SM H *B STICK*	120
-0/- I26S/	130
-1- ♦ I260-C	140
♦ I360-C	150

I27S/ SM H	010
-0/- I27S/	020
-1- ♦ I270-C	030
♦ I370-C	040
I28S/ SM H	050
-0/- I28S/	060
-1- I280-C	070
I39S SM H	080
-0/- I39S	090
-1- I39S/-C	100
I40S SM H	110
-0/- I40S	120
-1- I40S/-C	130

5B10	DR 9	010
-0-	5B10	020
-I-	I40S/-C.I370-C	030
2B10	DR 9	040
-0-	2B10	050
-I-	I40S/-C.I275/	060
8B10	DR 9	070
-0-	8B10	080
-I-	I40S.I370-C	090

J080	DR 9	010
-0-	J080	020
-I-	+(+PR00-01.CR00	030
	+PR00-01.D240.KS00	040
	+DASD.D240.CC50	050
	+D26F/.TA00-02.S040.D240	060
	+(+TRB0.TDCS/	070
	+CPO0-01.MS100	080
	+D24F/.I210-C.DR00-01.MS100.EXNF/	090
	+S060.CC50.IN00-01.D240)	100
	+(+S060.TA00-02.HOLF.D240	110
	+MS100.PA00.EXNF/.W00S/	120
	+MS100.GPMS/.IN00-01.LPPF/	130
	+MS100.GPMS/.KS00)	140
	+(+D240.TA00-02.MS100	150
	+D240.DR00-01.I210-C.MS100.NW025S	160
	+D240.CR00.W00S/.MS100	170
	+TLPD.CC40.D30F/.P010)	180
	+(+PR00-01.CPO0-01.D20F	190
	+CAG00S.D240)	200

J09D	DR 9	010
-0-	J09D	020
-I-	+(+PROD-01.PPOD	030
	+PROD-01.KSOD.D24F/	040
	+PROD-01.CPOD-01.D20F/	050
	+TMFD.I350-C)	060
	+(+DASD.D24F/.I25S/.CC5D	070
	+S05D.W00S.PTOD	080
	+S06D.CC5D.D24F/.INOD-01	090
	+PROD-01.BFOD)	100
	+(+CAG021.D25F/	110
	+CAG021.W00S/.D25F	120
	+INCF.MCYS	130
	+CAG085.D24F/)	140
J11D	DR 9	160
-0-	J11D	170
-I-	+ S04D.PHOD.D30F	180
	+ CAG064.CPOD-01	190
	+ CAG064.PTOD	200

J14S/-01	SW H	010
-0/-	J14S/-01	020
-I-	+(+S03D.CC5D.D16F/	030
	+S03D.CC5D.D18F/	040
	+PROD-01.PAOD.W00S.D26F/	050
	+S04D.D24F/.D26F.TAOD-02.WOLF	060
	+TMFD.I258/)	070
	+(+DASD.D24F/.CC5D.I25D-C	080
	+S08D-02.EXNS.PPOD	090
	+S08D-02.LCHF.CROD	100
	+S08D-02.LCHF.CPOD-01	110
	+S08D-02.D18F/.CROD)	120
	+(+SH8D.TAOD-02	130
	+S6WD.STRF.EXNS.KSOD	140
	+MS10D.PAOD.EXNS	150
	+CAG064.DROD-01.D24F/.BFOS/	160
	+CAG064.D24F/.TAOD-02)	170
	+(+S01D.D22F	180
	+S01D.D19F	190
	+CAG064.PPOD	200
	+D24D.W00S.I21D-C.DROD-01.MS10D.D25F	210
	+MS10D.D18F/.DROD-01)	220

J14S/-02 SM H	010
-0/- J14S/-02	020
-1- +(+D24D.W00S.CROD.MS10D	030
+MS10D.PA0D.W00S	040
+D24D.GPMS.KS0D.MS10D	050
+D24D.GPMS.IN0D-01.MS10D	060
+S11D.CP0D-01.D17F)	070
+(+S11D.CP0D-01.D18F/	080
+TLPD.CC4D.D30F.P01D	090
+S08D-02.D18F/.CP0D-01)	110
+PA0D.PROD-01.W00S.D30F	100
+(+S06D.IN0D-01. DE ^{DE}	120
+S06D.IN0D-01.CC4D.D30F	122
+CAG086.D17F)	140
+(+S48D.DERS	150
+S48D.D30F.D17F.LCHF	160
+IN0D-01.MS10D.LPPF	162
+S08D-01.BF0D.EXNS)	170
J14S SM H	180
-0/- J14S	190
-1- J14S/-01.J14S/-02	200

8286

KS0D DR 9	010
-0- KS0D	020
-1- D41F/.D42F.D43F.D44F.D45F	030
PT0D DR 9	040
-0- PT0D	050
-1- D41F/.D42F.D45F.(+D43F.D44F/	060
+D43F/.D44F)	070
IN0D-01 DR 9	080
-0- IN0D-01	090
-1- CAG054	100
IN0D-02 DR 9	110
-0- IN0D-02	120
-1- CAG054	130

150
140
130
120
110
100
090
080
070
060
050
040
030
020
010

180
170
160
150
140
130
120
110
100
090
080
070
060
050
040
030
020
010

-I- + S04D.AAB0P.TA0D-03.024D.026F/.134D-C

-0- LPIH
LPIH MM A

-I- LP1F.LP2F.LP4F.LP8F.LPAF.LPBF.LPFF/

-0- LPOS/
LPOS/ SM H

-I- P100

-0- P18S/
P18S/ SM H

-I- M00S.025F

-0- M025S
M025S SM H

-I- LP1F.LP2F.LP4F.LP8F.LPAF.LPBF

-0- LPES
LPES SM H

B-5000 MODEL 3 I/O EQUATION BOOK T-11201712 UNIT NO.16303125 PAGE NO.0110.00 AA

+CLPD)

+IBBF.CA6030

-KCL-+(+IRBF.SHOF

+S02D.EKNS.W20F)

+IBBF.CA6029

-JCL-+(+IRBF.SHOF

-0- LPBF/

-1- LPBF

LPBF FF 7

+CLPD)

+IBBF.CA6030

-KCL-+(+IRBF.SHOF

+S02D.EKNS.W20F)

+IBBF.CA6029

-JCL-+(+IRBF.SHOF

-0- LPAF/

-1- LPAF

LPAF FF 7

B-5000 MODEL 3 I/O EQUATION BOOK T-11201712 UNIT NO.16303125 PAGE NO.0117.00 AA

SEE FOLLOWING - PAGE
DELETED

010

LCHF FT 7

020

-1- LCHF

030

-0- LCHF/

032

-JCL+ TA00-03.EXNS.(+P010.CC70.W005.D25F

040

+P090.LPMF.D25F

050

+P090.GPMS.D25F/)

060

+(+W005/.CAG036

070

+CC05/.CAG036

080

+SH80.CC70.DR00-01)

090

+(+S080-02.CP00-01.D20F.1235/

100

+BAS0.CC00

102

+IM00-01.PR00-01.D35F)

110

-KCL+ SH00.DR00-01

120

+ BAS0.D17F

130

+ TA00-03.EXNS.P010.(+LPMF/.D25F

140

+LPMF.CC40)

150

+ C100

160

MAPS SM H

170

-0/- MAPS

180

-1- MAPS/

010

MAPS/ SM H

020

-0/- MAPS/

030

-1- MAPL

040

MAYS/ SM H

050

-0/- MAYS/

060

-1- MCVL.NEMF/

070

MAYS SM H

080

-0/- MAYS

090

-1- MAYS/

LPAF FF 7

010

-1- LPAF

020

-0- LPAF/

030

-JCL-+(+IRAF.SHOF

040

♦IBAF.CAG029

050

♦S02D.EXNS.W20F)

060

-KCL-+(+IRAF.SHOF

070

♦IBAF.CAG030

080

♦CLPD)

090

LPBF FF 7

100

-1- LPBF

110

-0- LPBF/

120

-JCL-+(+IRBF.SHOF

130

♦IBBF.CAG029

140

♦S02D.EXNS.W21F)

150

+ S00D.LOTS-C.LODL-C

155

-KCL-+(+IRBF.SHOF

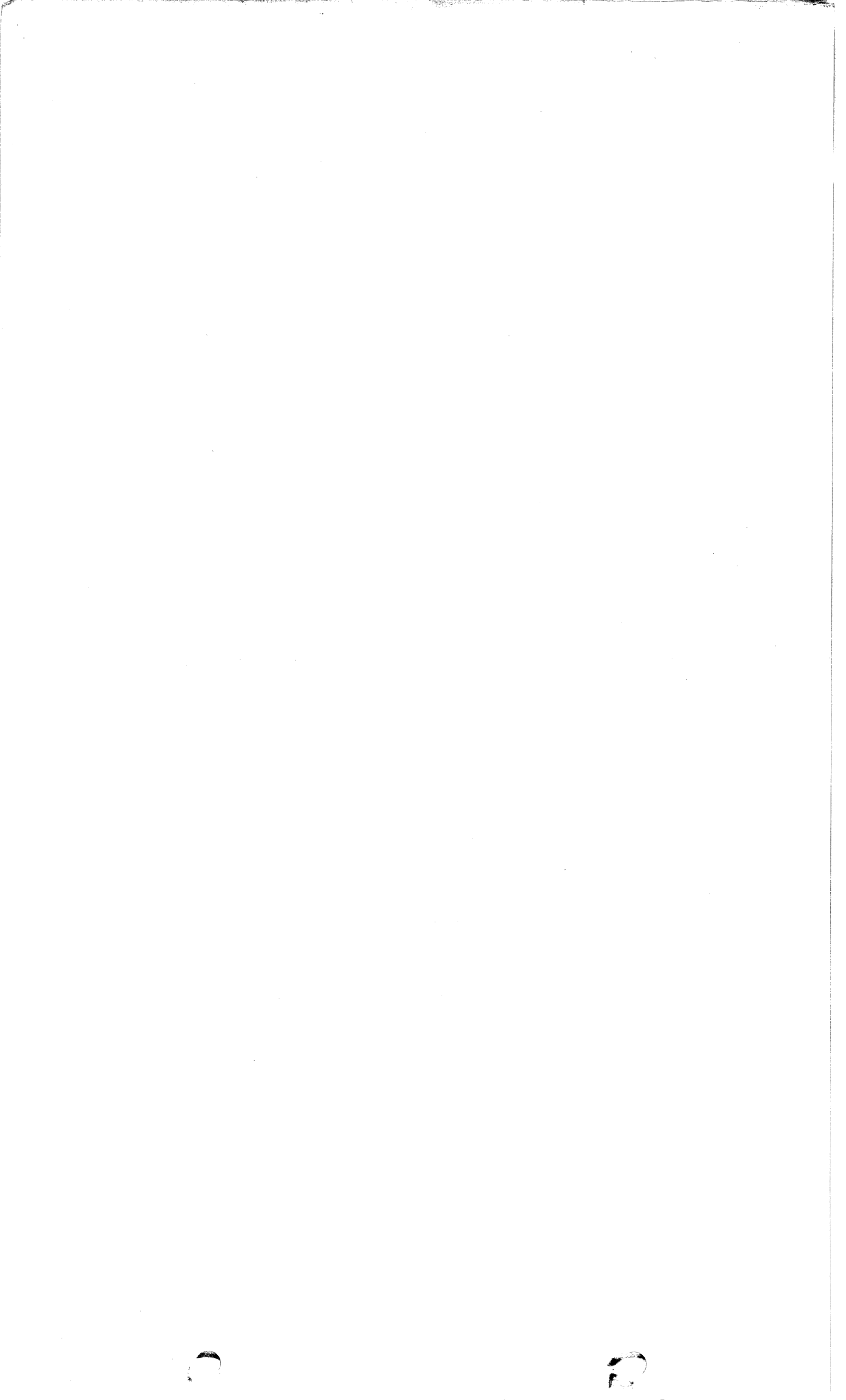
160

♦IBBF.CAG030

170

♦CLPD)

180



MGNM	MM N	010
-0-	MGNM	020
-1-	AABOP,(+TWFD,NW025S,I24S/,I35D-C,021F/ +TDCS)	030 040
WGBM	MM O	070
-0-	WGBM	080
-1-	+ AABOP,TWFD,NW025S,I34D-C,I35D-C	090
LDSF	FF 7	100
-1-	LDSF	110
-0-	LDSF/	120
-JCL+*	SHOF,EOPS/	130
-KCL+*	RES TO -12*	140
MGCM	MM N	150
-0-	MGCM	160
-1-	AABOP,TWFD,NW025S,I24S/,I35D-C,021F	170

LDSM	DU E	010
-0-	LDSM	020
-1-	+ LDSF,5B10	030
L02M	DU F	040
-0-	L02M	050
-1-	+ LDSF,2B10	060
LPPF	FF 7	070
-1-	LPPF	080
-0-	LPPF/	090
-JCL+*	IRPF,SHOF	100
	+ S03D,CC3D,BF0D,I28D-C	110
	+ S08D-01,IN0D-01,I23D-C,6PMS/	120
-KCL+*	IRPF,SHOF	130
	+ CLPD,BF0S/	140
	+ C10D	150
L08M	DU G	160
-0-	L08M	170
-1-	+ 8B10,LDSF	180

LPWF	FF 7	010
-1-	LPWF	020
-0-	LPWF/	030
-JCL=+	TA0D-03.EXNS.(+P01D.LCMF.D25F	040
	+P09D.GPMS.D25F/)	050
	+ CAG040.D24F/.LCMF	060
-KCL=+	TLPD.CC4D.P01D	070
	+ CAG040.HOLF.LCMF/	080
	+ CI0D	090
LP1F	FF 7	100
-1-	LP1F	110
-0-	LP1F/	120
-JCL=+	(+IR1F.SHOF	130
	+IB1F.CAG029	140
	+S02D.EXNS.W16F)	150
-KCL=+	(+IR1F.SHOF	160
	+IB1F.CAG030)	170
	+ CLPD	180

LPSM	MU I	010
-0-	LPSM	020
-I-	+ 5B1D.CAG081.AABOP	030
LP2M	MU J	040
-0-	LP2M	050
-I-	+ 2B1D.CAG081.AABOP	060
LP2F	FF 7	070
-1-	LP2F	080
-0-	LP2F/	090
-JCL=+	(+IR2F.SHOF	100
	+IB2F.CAG029	110
	+S02D.EXNS.W17F)	120
-KCL=+	(+IR2F.SHOF	130
	+IB2F.CAG030)	140
	+ CLPD	150
LP8M	MU I	160
-0-	LP8M	170
-I-	6B1D.CAG081.AABOP	180

LP4F	FF 7	010
-1-	LP4F	020
-0-	LP4F/	030
-JCL-+	(+IR4F.SHOF	040
	+IB4F.CAG029	050
	+S02D.EXNS.W18F)	060
-KCL-+	(+IR4F.SHOF	070
	+IB4F.CAG030)	080
	+ CLPD	090
LP8F	FF 7	100
-1-	LP8F	110
-0-	LP8F/	120
-JCL-+	(+IR8F.SHOF	130
	+IB8F.CAG029	140
	+S02D.EXNS.W19F)	150
-KCL-+	(+IR8F.SHOF	160
	+IB8F.CAG030)	170
	+ CLPD	180

MANF	FF 7	010
-1-	MANF	020
-0-	MANF/	030
-JCL-+	S00D.017F.MAOF/	040
	+ S09D.AOFF/.NW0258	050
	+ S15D.ESML/.BTDS/.REMF/	060
	+ S15D.019F/.D20F/.D21F/.BTDS/	070
	+ S15D.REMF.BTDS/	080
-KCL-+	MAED=C.MAPS	090
	+ MAOF	100
	+ CIOD	110
MAND	DR 9	120
-0-	MAND	130
-I-	MANF.MAPS	140

MAOF	FF 7	010
-1-	MAOF	020
-0-	MAOF/	030
-JCL-	MANF.(+MWRD,MT00=M	040
	+MT20=M	050
	+MAPS/)	060
-KCL-+	MWRD	070
	+ MANF/	080
	+ CI00	090
MISD	DR 9	100
-0-	MISD	110
-I-	MANF,MAOF,MAPS.(+S000	120
	+S09D.024F/)	130
MWRD	DR 9	140
-0-	MWRD	150
-I-	+ S09D.024D	160
	+ S150	170

OBAF	FF 7	010
-1-	OBAF	020
-0-	OBAF/	030
-JCL-+	LOBD.LPAF	040
	+ TMCD.WRAD	050
	+ CAG066.017F	060
	+ CAG066.022F	070
	+ CAG099	072
	+ CAG112.040F	074
-KCL-+	TMCD.WRAD/	080
	+ COBD	090
-S-	+ TMUD.WRAD	100
-R-	+ TMUD.WRAD/	110

088F	FF 7	010
-1-	088F	020
-0-	088F/	030
-JCL=+	LOBD.LPBF	040
	+ TWCD.SBFS	050
	+ IN4D.MOLF/.DCOS/	052
-KCL=+	TWCD.SBFS/	060
	+ COBD	070
	+ CAG099	072
-S-	+ TMUD.SBFS	080
-R-	+ TMUD.SBFS/	090

08CF	FF 7	010
-1-	08CF	020
-0-	08CF/	030
-JCL=+	TMFD.I350=C	040
	+ TA0D=03.EXNS.P01D.(+LPNF/.LCHF/.025F	050
	+6PNS/.025F/)	060
-KCL=+	S100	070
	+ S110	080
	+ C100	090

0B1F	FF 7	010
-1-	0B1F	020
-0-	0B1F/	030
-JCL->	LOB0.LP1F	040
	+ TNCD.S1FS	050
	+ CPDD.CPTD	060
	+ CAG112.D36F	062
-KCL->	TNCD.S1FS/	070
	+ COBD	080
	+ CAG099	082
-S-	+ TNUD.S1FS	090
-R-	+ TNUD.S1FS/	100

0B2F	FF 7	010
-1-	0B2F	020
-0-	0B2F/	030
-JCL->	LOB0.LP2F	040
	+ TNCD.S2FS	050
	+ CAG112.D37F	052
-KCL->	TNCD.S2FS/	060
	+ COBD	070
	+ CAG099	072
-S-	+ TNUD.S2FS	080
-R-	+ TNUD.S2FS/	090

0B4F	FF 7	010
-1-	0B4F	020
-0-	0B4F/	030
-JCL-+	LOBD.LP4F	040
	+ TWCD.S4FS	050
	+ CAG112.038F	052
-KCL-+	TWCD.S4FS/	060
	+ COBD	070
	+ CAG099	072
-S-	+ TWUD.S4FS	080
-R-	+ TWUD.S4FS/	090

0B8F	FF 7	010
-1-	0B8F	020
-0-	0B8F/	030
-JCL-+	LOBD.LP8F	040
	+ TWCD.S8FS	050
	+ CAG112.039F	052
-KCL-+	TWCD.S8FS/	060
	+ COBD	070
	+ CAG099	072
-S-	+ TWUD.S8FS	080
-R-	+ TWUD.S8FS/	090
0210	DR 9	100
-0-	0210	110
-1-	+ (+TA00-01.EXNF.PC2F/.PC3F/.PC4F.PC5F/.PC6F/	120
	+PT00.S130	130
	+PP0D.S08D-01.STRF/.MOLF)	140
	+ (+KS0D.S8ND.MOLF.STRF/	150
	+DR0D-02.D24D/.S15S/.8F8S/	160
	+CR0D.D26F	170
	+8F0D.024D/.S15S/.S03S/)	180

0220	DR 9	010
-0-	0220	020
-1-	+(+TA00-01.FWDF.BKWF/	030
	+PT00.S080-01	040
	+BF00.D270	050
	+KS00.D240)	060
	+(+DR00-02.D20F.D21F/.CC30.BF0S/.SC8F/	070
	+CR00.D270	080
	+PA00.D270	090
	+PP00.D270)	100
	+(+S480.CC15/)	102
0230	DR 9	110
-0-	0230	120
-1-	+(+TA00-01.FWDF.BKWF	130
	+BASD	140
	+PT00.S130.D21F/)	150
	+(+DR00-02.D20F/.D21F.CC40.BF0S/	160
	+CR00.D17F/	170
	+PA00.S060.D20F/)	180
	+ J14S.S480.D22F/	190

0240	DR 9	010
-0-	0240	020
-1-	+(+CAG111.D240/.D26F/.SC8F	030
	+PA00.S080-01.HOLF/.CC70.CAG082.CAG087	040
	+CAG111.S05D.I360-C)	050
	+(+CAG111.S06D.I360-C	060
	+DR00-02.D20F.D21F.CC50.BF0S/	070
	+CP00-01.D26F.I22S/.S158/	080
	+IN00-01.S05D)	090
	+(+S480.LCMF/±	100
	+ IN0D-01-SC8F'.SC4F-EXNF	102
	+ IN0D-01.S06D)	104
0250	DR 9	110
-0-	0250	120
-1-	+(+TA00-01.S040.D240/.D26F.STRF	130
	+DR00-02.S080-01.BF0S/	140
	+IN00-01.S08D±.HOLF'.D17F')	150
	+(+PA00.S120.D26F/	160
	+CAG104.PC1F	170
	+CAG104.PC2F	180
	+IN00-01.S05D.D240.D30F/)	190

0260	DR 9	010
-0-	0260	020
-I-	+(+CAG105.LP5H	030
	+PPOD.BTDM	040
	+CAG105.LP2M	050
	+CPOD-01.LP1F.S03S/)	060
	+(+CAG105.BKMF	070
	+DRDD-02.DRCS/.BFDS/	080
	+PPOD.D30F.S08D-01	090
	+INDD-01.S8ND)	100
	+(+CAG105.FHDF	110
	+INDD-01.S05D.D24D/.D30F/	120
	+PAOD.D26F.D30F.S12D	122
	+CAG105.LP8M)	124
0270	DR 9	130
-0-	0270	140
-I-	+(+TLPD.CC4D.PC2F/.PC3F/.PC4F/.PC5F/.PC6F/	150
	+TAOD-01.S04D.D24D/)	160
	+(+DRDD-02.S08D-01.LPHF.BFOS/)	170

08PD	DR 9	010
-0-	08PD	020
-I-	+ D27D/-01.PARS=01.PARS/-02	030
	+ D27D/-01.PARS/-01.PARS=02	040
	+ D27D.PARS=01.PARS=02	050
	+ D27D.PARS/-01.PARS/-02	060
PAOD	DR 9	070
-0-	PAOD	080
-I-	+ CAG047.D24F	090
	+ CAG048.D24F	100
PARS=01	SH H	110
-0/-	PARS=01	120
-I-	PARS/-01	130

PARS/-01SW H	010
-0/- PARS/-01	020
-1- + OBAF.OBBF.OBBF	030
+ OBAF/.OBBF/.OBBF	040
+ OBAF/.OBBF.OBBF/	050
+ OBAF.OBBF/.OBBF/	060
PARS-02 SW H	070
-0/- PARS-02	080
-1- PARS/-02	090
PARS/-02SW H	100
-0/- PARS/-02	110
-1- + OBAF.OB2F.OB1F	120
+ OBAF.OB2F/.OB1F/	130
+ OBAF/.OB2F.OB1F/	140
+ OBAF/.OB2F/.OB1F	150

PC1F FF 7	010
-1- PC1F	020
-0- PC1F/	030
-JCL=+ [P+10]	040
-KCL=+ [P+10]	050
+ PS05	060
PC2F FF 7	070
-1- PC2F	080
-0- PC2F/	090
-JCL=+ [P+10].PC1F	100
-KCL=+ [P+10].PC1F	110
+ PS05	120

PC3F	FF 7	010
-1-	PC3F	020
-0-	PC3F/	030
-JCL-+	CAG041	040
-KCL-+	CAG041	050
	+ PS05	060
PC4F	FF 7	070
-1-	PC4F	080
-0-	PC4F/	090
-JCL-+	CAG042	100
	+ CAG122.CC1F	102
-KCL-+	CAG042	110
	+ PS05	120

PC5F	FF 7	010
-1-	PC5F	020
-0-	PC5F/	030
-JCL-+	CAG042.PC4F	040
	+ CAG122.CC2F	042
-KCL-+	CAG042.PC4F	050
	+ PS05	060
PC6F	FF 7	070
-1-	PC6F	080
-0-	PC6F/	090
-JCL-+	CAG042.PC4F.PC5F	100
	+ CAG122.CC4F	102
-KCL-+	CAG042.PC4F.PC5F	110
	+ PS05	120
PH0D	DR 9	130
-0-	PH0D	140
-I-	PT0D.H0LF	150

PELS	SW H	010
-0/-	PELS	020
-I-	+ (+GEPS=01.GEPS=02.D27D/-01.IBPF/	030
	+GEPS=01.GEPS=02.D27D.IBPF	040
	+GEPS=01.GOPS=02.D27D/-01.IBPF	050
	+GEPS=01.GOPS=02.D27D.IBPF/)	060
	+ (+GOPS=01.GEPS=02.D27D/-01.IBPF	070
	+GOPS=01.GEPS=02.D27D.IBPF/	080
	+GOPS=01.GOPS=02.D27D/-01.IBPF/	090
	+GOPS=01.GOPS=02.D27D.IBPF)	100
OBPS/	SW H	110
-0/-	OBPS/	120
-I-	OBPD	130
PROD-01	DR 9	140
-0-	PR0D-01	150
-I-	S03D.CC5D.D16F.D18F	160

SH8D	DR 9	010
-0-	SH8D	020
-I-	CAG058.STRF.HOLF	030
PROD-02	DR 9	040
-0-	PR0D-02	050
-I-	S03D.CC5D.D16F.D18F	060
PS0S/	SW H	070
-0/-	PS0S/	080
-I-	+ CAG120.(2B1D.PC1F.PC2F.PC4F.PC6F)	090
	.(2B1D.PC1F.PC2F.PC3F.PC5F.PC6F)	100
	.(2B1D.PC1F.PC2F.PC4F.PC5F.PC6F)	101
	+ CAG120.(5B1D.PC1F.PC2F.PC3F.PC4F)	102
	.(5B1D.PC1F.PC2F.PC5F)	103
	.(5B1D.PC1F.PC3F.PC5F)	104
	+ CAG120.(8B1D.PC2F.PC4F)	105
	.(8B1D.PC1F.PC3F.PC4F)	106
	.(8B1D.PC2F.PC3F.PC4F)	107
	+ S08D-01.CPOD-01.P14S	110
	+ (+S08D-01.CPOD-01.EKNF/	120
	+C10D	130
	+S03D	140
	+TLPD.CC4D.P010)	150

PSOS	5W M	010
-0/-	PSOS	020
-1-	PSOS/	030

PUCF	FF 7	010
-1-	PUCF	020
-0-	PUCF/	030
-JCL=+	SHOF.EOPS/	040
	+ TIRS.VRCF.BKWF.CC7S/	050
	+ CAG070.CC0S/	060
	+ CAG070.D27D/-01	070
-KCL=+	TISD.(+CC0D.EOPS	080
	+D26F/	090
	+D27D.D26F	100
	+EOPS/)	110
	+(+CI0D	120
	+D24F/)	130
[P+10]	OR 9	140
-0-	[P+10]	150
-1-	+ TA00-01.EXNF.PSOS/.SC6F.D24F/	160
	+ S080-01.EXNF.CPOD-01.P14S/	170

P01D	DR 9	010
-0-	P01D	020
-1-	PC1F.PC2F/.PC3F/.PC4F/.PC5F/.PC6F/	030
P09D	DR 9	040
-0-	P09D	050
-1-	PC1F.PC2F/.PC3F/.PC4F.PC5F/.PC6F/	060
P13S	SM H	070
-0/-	P13S	080
-1-	+ PC1F/	090
	+ PC2F	100
	+ PC3F/	110
	+ PC4F/	120
	+ PC5F	130
	+ PC6F	140
P14S/	SM H	150
-0/-	P14S/	160
-1-	PC1F/.PC2F.PC3F.PC4F.PC5F/.PC6F/	170

P14S	SM H	010
-0/-	P14S	020
-1-	P14S/	030
RCNF	FF 7	040
-1-	RCNF	050
-0-	RCNF/	060
-JCL=>	SHOF.(+BKWF.IIMS +D26F/)	070
	+ IMIF	090
		100
-KCL=>	IMIF.BFMS/	110
	+ CIOD	120

REFC	FF 7	010
-1-	REFC	020
-0-	REFC/	030
-JCL-	RECL.REMF/	040
-KCL-+	RECL/	050
	+ REMF	060
REMF	FF 7	070
-1-	REMF	080
-0-	REMF/	090
-JCL-	REML	100
-KCL-	REML/	110
RIMS/	SW H	120
-0/-	RIMS/	130
-I-	+ BRIM	140
	+ LPIM	150

SBFS	SW H	010
-0/-	SBFS	020
-I-	+ WRBD.CAG083	030
	+ WRBD/.CMBS/	040
SBFS/	SW H	050
-0/-	SBFS/	060
-I-	+ WRBD.CMBS/	070
	+ WRBD/.CAG083	080

SC1F	FF 7	010
-1-	SC1F	020
-0-	SC1F/	030
-JCL=	+[S+1S]	040
	+J09D	050
	+J11D)	060
	+(+CAG068	070
	+IN4D.I24S/.EXNF/	080
	+LOTS=C.S00D)	090
-KCL=	+[S+1S]	100
	+CAG069.D40F	110
	+J08D)	120
	+(+J14S	130
	+C10D	140
	+CAG046)	150
	+ S05D.IN0D=01.I24D=C	160

SC2F	FF 7	010
-1-	SC2F	020
-0-	SC2F/	030
-JCL=	+[S+1S].SC1F	040
	+I24S/.EXNS.IN4D)	050
	+(+J11D	070
	+J14S	080
	+LOTS=C.S00D)	090
-KCL=	+[S+1S].SC1F	100
	+NS10D.PPOD	110
	+S02D.EXNF/)	120
	+(+CAG069	130
	+S11D.026F.M10S.I27S/.CP0D=01	140
	+J08D)	150
	+(+J09D	160
	+C10D	170
	+S10D.MCYS)	180
	+(+CAG046.D26F/.D21F/	190
	+CAG046.D30F.D20F/.D21F/	200
	+CAG044.I21D=C)	210

SC4F	FF 7	010
-1=	SC4F	020
-0=	SC4F/	030
-JCL=+(+CAG043		040
+PP0D.MS10D		050
+CAG069)		060
+(+CAG068		070
+PA0D.PROD=01		080
+J14S)		090
+ CAG044.I21D=C		100
-KCL=+(+CAG043		110
+J08D)		130
+(+J09D		140
+J11D		150
+CI0D)		160
+(+PP0D.STRF.HOLF.S12D.EXNF/		170
+S12D.PA0D.I22D=C)		180
+(PP0D.S12.I23D-C.D27D'-03)		

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SC8F	FF 7	010
-1=	SC8F	020
-0=	SC8F/	030
-JCL=+(+CAG043.SC4F		040
+J08D		050
+J09D)		060
+(+J11D		070
+PA0D.S06D.I22D=C		080
+J14S)		090
+(+PA0D.S06D.D20F		100
+CAG046.D26F/		110
+CAG046.D30F)		120
-KCL=+(+CAG043.SC4F)		130
+(+CAG068		160
+CI0D		170
+S10D.MCYS)		180
+ CAG044.I21D=C		190

SHOF	FF 7	010
-1-	SHOF	020
-0-	SHOF/	030
-JCL=+	SKFF.DS1S/	040
-KCL=*	RES TO =12*	050
SHOS	SW M *B STICK*	060
-0/-	SHOS	070
-1-	SHOF/	080
SKFF	FF 7	090
-1-	SKFF	100
-0-	SKFF/	110
-JCL=+	DS5M	120
	+ DS0M	122
	+ DS2M	130
	+ DSWM	132
-KCL=+	SHOF	140
	+ CIOD	150

STRF	FF 7	010
-1-	STRF	020
-0-	STRF/	030
-JCL=+	(+S04D.DROD-02.I24D-C.HOLF/	040
	+S08D-01.CPDD-01.P14S	050
	+S04D.TAOD-03.D24D/.D26F.I32D-C)	060
	+(+TAOD-03.WGNM.S05D	070
	+S06D.I22S/.TAOD-03	080
	+S4BD.HOLF/)	100
	+(+S110.TAOD-03.EXNF/	110
	+STJD)	120
-KCL=+	HOLF	200
	+ CIOD	210
-S-	+ CAG110.DROD-02.I24D-C.D24D/.I23D-C	220
	+ PTOD.I24D-C.S15S/	230

STJD DR 9	010
=0= STJD	020
=1= *(+EOPS.TA0D=03.EXNF/	030
+OR0D=02.I24D=C.D24D.CAG110.I23D=C	040
+IN0D=01.I24D=C.CAG110)	050
*(+KS0D.I24D=C.CAG110	060
+CR0D.I24D=C.I22D=C.CAG110	070
+PP0D.I24D=C.HOLF/)	080
*(+CR0D.O17F.I22D=C.CAG110	090
+PA0D.I24D=C.HOLF/	100
+SO0D=01.TA0D=03.BLTS/.IMFF/.BFMS/)	110

[S+1S] SW M	010
=0= [S+1S]	020
=1= (S+1S/=01).(S+1S/=02)	030

[S+1S/-01] SW H	010
-0/- [S+1S/-01]	020
-1= +(+S00D.MANF/.MAOF	030
+MANF.MAED=C.MAPS	040
+S09D.MANF.MAOF	050
+PADD.SH8D.CC7D)	060
+ (+S14S	070
+S01D.D22F/.D19F/	080
+S02D.EXNF	090
+PROD=01,DR0D=01)	100
+ (+PROD=01.TA0D=01	110
+PROD=01.PT0D	120
+SH8D.DR0D=01.D24D.LCHF	130
+SH8D.PT0D.EXNF.CC7D)	140
+ (+SH8D.CR0D.CC7D	150
+SH8D.CP0D=01.CC0D	160
+SH8D.KS0D.CC0D.D24D/.EXNF/	170
+SH8D.IN0D=01.CC0D.D24D/.D17F/)	180
+ (+S8RD.IN0D=01.D17F.HOLF/	190
+SH8D.DR0D=01.D24D/.LCHF/.LPMF)	200
+ (+PA0D.EXNF.STRF/.S08D=01	210
+S09D.BF0D.D17F.EXNF/)	220

[S+1S/-02] SW H	010
-0/- [S+1S/-02]	020
-1= +(+S8RD.KS0D.EXNF.HOLF/	030
+TISD.D26F/.CC7D	040
+TISD.D26F/.E0PS	050
+TISD.D26F.D27D.E0PS)	060
+ (+TISD.D26F.CC0D	070
+TDCS	080
+S05D.HOLF.TA0D=02	090
+S04D.PH0D.D30F/)	100
+ (+PH0D.S07D	110
+S11D.PH0D.D25F/	120
+S13D.PH0D	130
+S12D.PT0D)	140
+ (+HS10D.D24D/.TA0D=02	150
+S09D.A0FF.D24D	160
+S09D.A0FF.NN025S	170
+PP0D.HOLF/.EXNF/.CC0D.S08D=01)	180
S00D DR 9	200
-0= S00D	210
-1= SC1F/.SC2F/.SC4F/.SC8F/	220

S010	DR 9	010
-0-	S010	020
-I-	SC1F,SC2F/,SC4F/,SC8F/	030
S020	DR 9	040
-0-	S020	050
-I-	SC1F/,SC2F,SC4F/,SC8F/	060
S030	DR 9	070
-0-	S030	080
-I-	SC1F,SC2F,SC4F/,SC8F/	090
S040	DR 9	100
-0-	S040	110
-I-	♦ CAG095	120
S050	DR 9	130
-0-	S050	140
-I-	SC1F,SC2F/,SC4F,SC8F/	150

S03S/	SN H	010
-0/-	S03S/	020
-I-	♦ S03D	030
S04S/	SN H	040
-0/-	S04S/	050
-I-	♦ CAG095	060
S08D	DR 9	070
-0-	S08D	080
-I-	CAG058,024F	090
S0ND	DR 9	100
-0-	S0ND	110
-I-	CAG058,024F/	120
S4BD	DR 9	130
-0-	S4BD	140
-I-	CAG095,0F0D	150

S06D	DR 9	010
-0-	S06D	020
-I-	SC1F//.SC2F.SCAF.SCOF/	030
S07D	DR 9	040
-0-	S07D	050
-I-	SC1F.SC2F.SCAF.SCOF/	060
S08D-01	DR 9	070
-0-	S08D-01	080
-I-	CAG058	090
S08D-02	DR 9	100
-0-	S08D-02	110
-I-	CAG058	120
S09D	DR 9	130
-0-	S09D	140
-I-	SC1F.SC2F//.SCAF//.SCOF	150

S10D	DR 9	010
-0-	S10D	020
-I-	CAG067	030
S11D	DR 9	040
-0-	S11D	050
-I-	SC1F.SC2F.SCAF//.SCOF	060
MS10D	DR 9	070
-0-	MS10D	080
-I-	CAG067.HCYS/	090
S12D	DR 9	100
-0-	S12D	110
-I-	SC1F//.SC2F//.SCAF.SCOF	120
S13D	DR 9	130
-0-	S13D	140
-I-	SC1F.SC2F//.SCAF.SCOF	150

S150 DR 9	010
-0- S150	020
-I- SC1F.SC2F.SC4F.SC8F	030
S155/ SW H	040
-0/- S155/	050
-I- S150	060
S145 SW H	070
-0/- S145	080
-I- S145/	090
S145/ SW H	100
-0/- S145/	110
-I- SC1F/.SC2F.SC4F.SC8F	120
TIRS SW H *B STICK*	130
-0- TIRS	140
-I- ♦ IMIF/	150
♦ RCNF/	160

S1FS SW H	010
-0/- S1FS	020
-I- ♦ WR10.CAG116	030
♦ WR10/.CM15/	040
S1FS/ SW H	050
-0/- S1FS/	060
-I- ♦ WR10.CM15/	070
♦ WR10/.CAG116	080
S2FS SW H	090
-0/- S2FS	100
-I- ♦ WR20.CM20	110
♦ WR20/.CM25/	120
S2FS/ SW H	130
-0/- S2FS/	140
-I- ♦ WR20.CM25/	150
♦ WR20/.CM20	160

SAFS	SM H	010
-O/-	SAFS	020
-I-	+ WR4D.CH4D	030
	+ WR4D/.CM4S/	040
SAFS/	SM H	050
-O/-	SAFS/	060
-I-	+ WR4D.CM4S/	070
	+ WR4D/.CM4D	080
S8FS	SM H	090
-O/-	S8FS	100
-I-	+ WR8D.CM8D	110
	+ WR8D/.CM8S/	120
S8FS/	SM H	130
-O/-	S8FS/	140
-I-	+ WR8D.CM8S/	150
	+ WR8D/.CM8D	160

TA0D=01	DR 9	010
-O-	TA0D=01	020
-I-	D41F	030
TA0D=02	DR 9	040
-O-	TA0D=02	050
-I-	D41F	060
TA0D=03	DR 9	070
-O-	TA0D=03	080
-I-	D41F	090
TDCS	SM H	100
-O/-	TDCS	110
-I-	TDCS/	120
TDCS/	SM H	130
-O/-	TDCS/	140
-I-	+ S04D.TA0D=03.D26F.136D-C.D24D	150

TISO	DR 9	010
-0-	TISO	020
-I-	TAOD=02.024D.PUCF,(*SC1F/.SC2F/.SC4F/.SC6F	030
	SC1F/.SC2F.SC4F/.SC6F)	040
TLPD	DR 9	050
-0-	TLPD	060
-I-	EXNF.LPMF.LCHF.TAOD=02	070
TRAS	SM H	080
-0/-	TRAS	090
-I-	+ IBAF/	100
	+ INSS/	110
TSCM	MM 0	120
-0-	TSCM	130
-I-	S11D.TAOD=03.WOLF.AABOP	140
TSCS	SM H	150
-0/-	TSCS	160
-I-	+ TSCM	170
	+ SHOF/	180
	+ RCNF	190

TRBS	SM H	010
-0/-	TRBS	020
-I-	+ INSS/	030
	+ I88F/.027D	040
	+ I88F/.I81F	050
	+ I88F/.I84F	060
	+ I88F/.I8AF.I88F/	070
	+ 027D/=03.I81F/.I84F/.I82F.I8AF/	080
	+ 027D/=03.I81F/.I84F/.I82F.I88F	090
TRBS	SM H	100
-0/-	TRBS	110
-I-	+ INSS/	120
	+ 027D.I88F/	130
	+ 027D/=03.I88F.I8AF	140
	+ I88F/.I8AF/	150

TRPS/	SM H	010
-0/-	TRPS/	020
-1-	♦ I11P-C	030
	♦ I12P-C	040
	♦ I13P-C	050
	♦ I14P-C	060
	♦ I15P-C	070
	♦ I16P-C	080
	♦ I17P-C	090
TRPS	SM H	100
-0/-	TRPS	110
-1-	♦ TRPS/	120
	♦ D24D/.D30F	130
TR2S	SM H	140
-0/-	TR2S	150
-1-	♦ IWSS/	160
	♦ IB2F/.D27D	170
	♦ IB2F/.IB1F	180
	♦ IB2F/.IB8F/	190
	♦ D27D/-03.IB8F.IB4F/.IB1F/	200

TR1S	SM H	010
-0/-	TR1S	020
-1-	♦ IWSS/	030
	♦ D27D/-03.IB8F.IB4F/.IB2F	040
	♦ IB1F/.IB8F/	050
	♦ IB1F/.IB4F/	060
	♦ IB1F/.IB2F	070
	♦ IB1F/.D27D	080
TR4S	SM H	090
-0/-	TR4S	100
-1-	♦ IWSS/	110
	♦ IB4F/.IB1F	120
	♦ IB4F/.D27D	130
	♦ IB4F/.IB4F/.IB2F	140
	♦ IB4F/.IB8F.IB2F	150
	♦ IB4F/.IB8F/.IB4F.IB8F/	160
	♦ D27D/-03.IB1F/.IB2F/.IB8F	170

TMUD DR 9	010
-0- TMUD	020
-1- + S04D.DHSS	030
+ COBS.(+PP0D	040
+IN0D-02.GPMS/	050
+KS0D.GPMS/)	060
+ S4BD.STRF.HOLF/.CCOS/	070
+ S8WD. STN . PHD -02.LCHF/.LPHF/.D22F/.D17F/	072
DHSS-[24D-C]	
TMCD DR 9	080
-0- TMCD	090
-1- + S11D.OBCF	100
+ S80D.PH0D.EXNF.D17F	110
+ S10D.D24D/.(+D41F/.CPOS/.BF0S/	120
+BF0D.D17F/.D22F/	130
+OBCF)	140

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UBZS SW H	010
-0- UBZS	020
-1- + D41F/.I22S/	030
+ TA0D-01.I32D-C	040
+ DR0D-01	050
+ IN0D-01	060
+ TA0D-01.D21F.D26S/.I39S/-C	062
UBZS/ SW H	070
-0- UBZS/	080
-1- + UBZS	090
VRCF FF 7	100
-1- VRCF	110
-0- VRCF/	120
-JCL+ T1SD.(+026F/.CC6D	130
+026F.CC1D)	140
+ S80F.D24F/	150
-KCL+ C10D	160
+ T1RS	170

WBAF FF 7	010
-1- WBAF	020
-0- WBAF/	030
-JCL-+ OBAF.WBID	040
-KCL-+ OBAF/.WBID	050
+ CWBD	060
WBBF FF 7	070
-1- WBBF	080
-0- WBBF/	090
-JCL-+ OBBF.WBID	100
-KCL-+ OBBF/.WBID	110
+ CWBD	120

WBPF FF 7	010
-1- WBPF	020
-0- WBPF/	030
-JCL-+ OBPD.WBID	040
-KCL-+ OBPS/.WBID	050
+ CWBD	060
WB1F FF 7	070
-1- WB1F	080
-0- WB1F/	090
-JCL-+ OB1F.WBID	100
-KCL-+ OB1F/.WBID	110
+ CWBD	120

WB2F	FF 7	010
-1-	WB2F	020
-0-	WB2F/	030
-JCL-+	OB2F.WB1D	040
-KCL-+	OB2F/.WB1D	050
	+ CWBD	060
WB4F	FF 7	070
-1-	WB4F	080
-0-	WB4F/	090
-JCL-+	OB4F.WB1D	100
-KCL-+	OB4F/.WB1D	110
	+ CWBD	120

WB8F	FF 7	010
-1-	WB8F	020
-0-	WB8F/	030
-JCL-+	OB8F.WB1D	040
-KCL-+	OB8F/.WB1D	050
	+ CWBD	060
WDSD	DR 9	070
-0-	WDSD	080
-1-	S02D	090
TRBD	DR 9	140
-0-	TRBD	150
-1-	S04D.TA0D-02.D24D.D26F	160

DWTD	DR 9	010
-0-	DWTD	020
-1-	+ S14S.MAPS.D41F	030
DWWD	DR 9	040
-0-	DWWD	050
-1-	+ S14S.MAPS.D41F/	060
	+ S09D.MANF/,KEHL.MCYS	070
DWSD	DR 9	080
-0-	DWSD	090
-1-	+ DWWD	100
	+ DWTD	110

TWFD	DR 9	010
-0-	TWFD	020
-1-	S04D.TA0D-02.D24F/,D26F/	030
HGMS/	SM H	040
-0/-	HGMS/	050
-1-	+ HGNM	060
	+ HGBM	070
	+ HGCM	072
WRAD	DR 9	080
-0-	WRAD/	090
-1-	+ (+CC00.W47F/	100
	+CC10.W41F/	110
	+CC20.W35F/	120
	+CC30.W29F/)	130
	+ (+CC40.W23F/	140
	+CC50.W17F/	150
	+CC60.W11F/	160
	+CC70.W05F/)	170

MRBD	DR 9	010
-0-	MRBD	020
-1-	+CC00.W48F	030
	+CC10.W42F	040
	+CC20.W36F	050
	+CC30.W30F)	060
	+CC40.W24F	070
	+CC50.W18F	080
	+CC60.W12F	090
	+CC70.W06F)	100
MRBD/	DR 9	110
-0-	MRBD/	120
-1-	+CC00.W48F/	130
	+CC10.W42F/	140
	+CC20.W36F/	150
	+CC30.W30F/)	160
	+CC40.W24F/	170
	+CC50.W18F/	180
	+CC60.W12F/	190
	+CC70.W06F/)	200

MR10	DR 9	010
-0-	MR10	020
-1-	+CC00.W43F	030
	+CC10.W37F	040
	+CC20.W31F	050
	+CC30.W25F)	060
	+CC40.W19F	070
	+CC50.W13F	080
	+CC60.W07F	090
	+CC70.W01F)	100
MR10/	DR 9	110
-0-	MR10/	120
-1-	+CC00.W43F/	130
	+CC10.W37F/	140
	+CC20.W31F/	150
	+CC30.W25F/)	160
	+CC40.W19F/	170
	+CC50.W13F/	180
	+CC60.W07F/	190
	+CC70.W01F/)	200

NR2D	DR 9	010
-0-	NR2D	020
-I-	+(+CC0D.W44F	030
	+CC1D.W38F	040
	+CC2D.W32F	050
	+CC3D.W26F)	060
	+(+CC4D.W20F	070
	+CC5D.W14F	080
	+CC6D.W08F	090
	+CC7D.W02F)	100
NR2D/	DR 9	110
-0-	NR2D/	120
-I-	+(+CC0D.W44F/	130
	+CC1D.W38F/	140
	+CC2D.W32F/	150
	+CC3D.W26F/)	160
	+(+CC4D.W20F/	170
	+CC5D.W14F/	180
	+CC6D.W08F/	190
	+CC7D.W02F/)	200

NR4D	DR 9	010
-0-	NR4D	020
-I-	+(+CC0D.W45F	030
	+CC1D.W39F	040
	+CC2D.W33F	050
	+CC3D.W27F)	060
	+(+CC4D.W21F	070
	+CC5D.W15F	080
	+CC6D.W09F	090
	+CC7D.W03F)	100
NR4D/	DR 9	110
-0-	NR4D/	120
-I-	+(+CC0D.W45F/	130
	+CC1D.W39F/	140
	+CC2D.W33F/	150
	+CC3D.W27F/)	160
	+(+CC4D.W21F/	170
	+CC5D.W15F/	180
	+CC6D.W09F/	190
	+CC7D.W03F/)	200

WR8D	DR 9	010
-0=	WR8D	020
-I=	+(+CC0D.W46F	030
	+CC1D.W40F	040
	+CC2D.W34F	050
	+CC3D.W28F)	060
	+(+CC4D.W22F	070
	+CC5D.W16F	080
	+CC6D.W10F	090
	+CC7D.W04F)	100
WR8D/	DR 9	110
-0=	WR8D/	120
-I=	+(+CC0D.W46F/	130
	+CC1D.W40F/	140
	+CC2D.W34F/	150
	+CC3D.W28F/)	160
	+(+CC4D.W22F/	170
	+CC5D.W16F/	180
	+CC6D.W10F/	190
	+CC7D.W04F/)	200

WRAD	DR 9	010
-0=	WRAD	020
-I=	+(+CC0D.W47F	030
	+CC1D.W41F	040
	+CC2D.W35F	050
	+CC3D.W29F)	060
	+(+CC4D.W23F	070
	+CC5D.W17F	080
	+CC6D.W11F	090
	+CC7D.W05F)	100
W=10	DR 9	110
-0=	W=10	120
-I=	+ S09D.WANF/,W00S/,D25F	130
	+ S05D.PT0D.W00S/	140
[W+10]	DR 9	150
-0=	[W+10]	160
-I=	S11D.CP0D=01.D26F.W10S/.D17F/	170
WSHD	DR 9	180
-0=	WSHD	190
-I=	+ PT0D.PROD=01	200
	+ IN4D.WOLF/	210

W00S	SW H	*B STICK*	010
-0/-	W00S		020
-1-	W00S/		030
W00S/	SW H		040
-0/-	W00S/		050
-1-	+(+PT00.CAG077.D35F/		060
	+CR0D.CAG077.D35F/		070
	+CP0D-01.CAG077		080
	+TA0D-01.CAG077.CAG078)		090
	+(+DR0D-02.CAG077.CAG078		100
	+PA0D.CAG078.CAG079		110
	+PP0D.CAG078.CAG079		120
	+BF0D.CAG087.CAG079)		130

WEQS	SW H		010
-0/-	WEQS		020
-1-	+(+D31F.D36F/		030
	+D31F/.D36F		040
	+D32F.D37F/		050
	+D32F/.D37F)		060
	+(+D33F.D38F/		070
	+D33F/.D38F		080
	+D34F.D39F/		090
	+D34F/.D39F)		100
	+(+D35F.D40F/		110
	+D35F/.D40F)		120

W01F	FF 7	010
-1-	W01F	020
-0-	W01F/	030
-JCL-+	CAG045	040
	+ DMSD.001D	050
	+ TR1S.CC7D	060
	+ MISD.R01S=M	070
-KCL-+	CHRS=01	080
W02F	FF 7	090
-1-	W02F	100
-0-	W02F/	110
-JCL-+	CAG045	120
	+ DMSD.D02D	130
	+ TR2S.CC7D	140
	+ MISD.R02S=M	150
-KCL-+	CHRS=01	160

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SEE FOLLOWING - PAGE

W03F	FF 7	010
-1-	W03F	020
-0-	W03F/	030
-JCL-+	CAG045	040
	+ DMSD.D03D	050
	+ TR4S.CC7D	060
	+ MISD.R03S=M	070
-KCL-+	CHRS=01	080
W04F	FF 7	090
-1-	W04F	100
-0-	W04F/	110
-JCL-+	CAG045	120
	+ DMSD.D04D	130
	+ TR6S.CC7D	140
	+ MISD.R04S=M	150
-KCL-+	CHRS=01	160

W05F	FF 7	010
-1-	W05F	020
-0-	W05F/	030
-JCL-+	CAG045	040
	+ DMSD.D050	050
	+ TRAS.CC7D	060
	+ MISD.R055=M	070
-KCL-+	CWRS=01	080
W06F	FF 7	090
-1-	W06F	100
-0-	W06F/	110
-JCL-+	DMSD.D060	120
	+ TRBS.CC7D	130
	+ MISD.R065=M	140
-KCL-+	CWRS=01	150

W07F	FF 7	010
-1-	W07F	020
-0-	W07F/	030
-JCL-+	DMSD.D07D	040
	+ TR1S.CC6D	050
	+ MISD.R075=M	060
-KCL-+	CWRS=01	070
W08F	FF 7	080
-1-	W08F	090
-0-	W08F/	100
-JCL-+	DMSD.D08D	110
	+ TR2S.CC6D	120
	+ MISD.R085=M	130
-KCL-+	CWRS=01	140

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M01F FF 7 010

-1- M01F 020

-0- M01F/ 030

-JCL--> CAG045 040

↳ DMSD.001D 050

↳ TRIS.CC7D 060

↳ MISD.R01S-M 070

↑ BASD -AOFF 075

-KCL--> CMRS-01 080

M02F FF 7 090

-1- M02F 100

-0- M02F/ 110

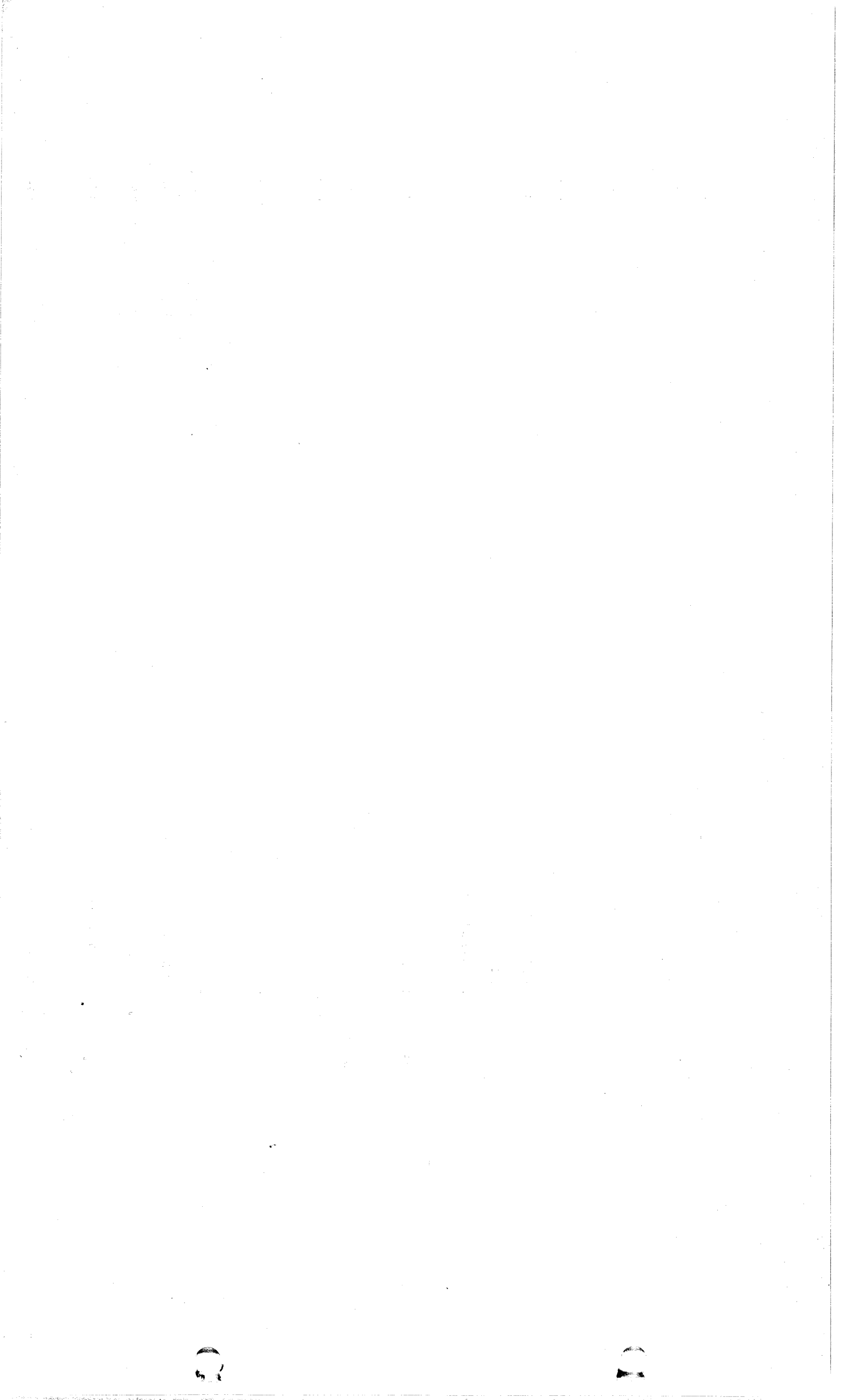
-JCL--> CAG045 120

↳ DMSD.002D 130

↳ TR2S.CC7D 140

↳ MISD.R02S-M 150

-KCL--> CMRS-01 160



W10S	SM H	010
-0/-	W10S	020
-1-	W10S/	030
W10S/	SM H	040
-0/-	W10S/	050
-1-	D31F/,D32F,D33F/,D34F	060
W11F	FF 7	070
-1-	W11F	080
-0-	W11F/	090
-JCL=+	DMSD.D11D	100
	+ TRAS.CC6D	110
	+ MISD.R11S=M	120
-KCL=+	CHRS=01	130

W12F	FF 7	010
-1-	W12F	020
-0-	W12F/	030
-JCL=+	DMSD.D12D	040
	+ TRBS.CC6D	050
	+ MISD.R12S=M	060
-KCL=+	CHRS=01	070
W13F	FF 7	080
-1-	W13F	090
-0-	W13F/	100
-JCL=+	DMSD.D13S	110
	+ TRIS.CC5D	120
	+ MISD.R13S=M	130
-KCL=+	CHRS=01	140

W14F	FF 7	010
-1-	W14F	020
-0-	W14F/	030
-JCL=>	DWSD.D14S	040
	+ TR2S.CC5D	050
	+ MISD.R14S=M	060
-KCL=>	CHRS=01	070
W15F	FF 7	080
-1-	W15F	090
-0-	W15F/	100
-JCL=>	DWSD.D15S	110
	+ TR4S.CC5D	120
	+ MISD.R15S=M	130
-KCL=>	CHRS=01	140

W16F	FF 7	010
-1-	W16F	020
-0-	W16F/	030
-JCL=>	DWSD.D16F/.D17F/.S14S	040
	+ TR8S.CC5D	050
	+ MISD.R16S=M	060
-KCL=>	CHRS=01	070
W17F	FF 7	080
-1-	W17F	090
-0-	W17F/	100
-JCL=>	DWSD.D17F	110
	+ TR4S.CC5D	120
	+ MISD.R17S=M	130
-KCL=>	CHRS=01	140

M18F	FF 7	010
-1-	M18F	020
-0-	M18F/	030
-JCL=+	DMSD.D16F.D18F/.D17F/.S14S	040
	+ TRBS.CC5D	050
	+ MISD.R18S=M	060
-KCL=+	CWRS=01	070
M19F	FF 7	080
-1-	M19F	090
-0-	M19F/	100
-JCL=+	DMSD.D19F	110
	+ TR1S.CC4D	120
	+ MISD.R19S=M	130
	+ CAG100.W34F	132
	+ CAG100.W35F	134
	+ CAG100.W36F	136
-KCL=+	CWRS=01	140

M20F	FF 7	010
-1-	M20F	020
-0-	M20F/	030
-JCL=+	DMSD.D20F	040
	+ TR2S.CC4D	050
	+ MISD.R20S=M	060
-KCL=+	CWRS=01	070
M21F	FF 7	080
-1-	M21F	090
-0-	M21F/	100
-JCL=+	DMSD.D21F	110
	+ TR4S.CC4D	120
	+ MISD.R21S=M	130
-KCL=+	CWRS=01	140

W22F	FF 7	010
-1-	W22F	020
-0-	W22F/	030
-JCL=+	DWSD.D22F	040
	+ TRBS.CC4D	050
	+ MISD.R22S=M	060
-KCL=+	CWRS=01	070
W23F	FF 7	080
-1-	W23F	090
-0-	W23F/	100
-JCL=+	TRAS.CC4D	110
	+ LPPF.IN00=02,DWSD	120
	+ LPPF.BF0D,DWSD	130
	+ MISD.R23S=M	140
-KCL=+	CWRS=01	150

W24F	FF 7	010
-1-	W24F	020
-0-	W24F/	030
-JCL=+	DWSD.D24F	040
	+ TRBS.CC4D	050
	+ MISD.R24S=M	060
-KCL=+	CWRS=01	070
W25F	FF 7	080
-1-	W25F	090
-0-	W25F/	100
-JCL=+	DWSD.D25F	110
	+ TR1S.CC3D	120
	+ MISD.R25S=M	130
-KCL=+	CWRS=02	140

W26F	FF 7	010
-1-	W26F	020
-0-	W26F/	030
-JCL=+	DMSD.D26F	040
	+ TR2S.CC3D	050
	+ MISO.R26S=M	060
-KCL=+	CMRS=02	070
W27F	FF 7	080
-1-	W27F	090
-0-	W27F/	100
-JCL=+	DMSD.D27F	110
	+ TR4S.CC3D	120
	+ MISO.R27S=M	130
-KCL=+	CMRS=02	140

W28F	FF 7	010
-1-	W28F	020
-0-	W28F/	030
-JCL=+	TR8S.CC3D	040
	+ MISO.R28S=M	050
-KCL=+	CMRS=02	060
W29F	FF 7	070
-1-	W29F	080
-0-	W29F/	090
-JCL=+	TR4S.CC3D	100
	+ MISO.R29S=M	110
-KCL=+	CMRS=02	120

W30F	FF 7	010
-1-	W30F	020
-0-	W30F/	030
-JCL=+	DMSD.D30F	040
	+ TRBS.CC3D	050
	+ MISD.R30S=M	060
-KCL=+	CMRS=02	070
W31F	FF 7	080
-1-	W31F	090
-0-	W31F/	100
-JCL=+	DWNO.D31F	110
	+ TR1S.CC2D	120
	+ MISD.R31S=M	130
	+ DWTD.PC4F	132
-KCL=+	CMRS=02	140

W32F	FF 7	010
-1-	W32F	020
-0-	W32F/	030
-JCL=+	DWNO.D32F	040
	+ TR2S.CC2D	050
	+ DWTD.PC5F	060
-KCL=+	CMRS=02	070
W33F	FF 7	080
-1-	W33F	090
-0-	W33F/	100
-JCL=+	DWNO.D33F	110
	+ TR4S.CC2D	120
	+ MISD.R33S=M	130
	+ DWTD.PC6F	132
-KCL=+	CMRS=02	140

W34F	FF 7	010
-1-	W34F	020
-0-	W34F/	030
-JCL->	DWHD.D34F	040
	+ TRBS.CC2D	050
	+ MISD.R34S=M	060
	+ DMTD.I380=C.D26S/	062
-KCL->	CHRS=02	070
W35F	FF 7	080
-1-	W35F	090
-0-	W35F/	100
-JCL->	DWHD.D35F	110
	+ TRAS.CC2D	120
	+ MISD.R35S=M	130
	+ DMTD.I340=C.D26S	132
-KCL->	CHRS=02	140

W36F	FF 7	010
-1-	W36F	020
-0-	W36F/	030
-JCL->	DWHD.D36F	040
	+ TRBS.CC2D	050
	+ MISD.R36S=M	060
	+ DMTD.BLTS/.D21F/.D16F.D18F	062
-KCL->	CHRS=02	070
W37F	FF 7	080
-1-	W37F	090
-0-	W37F/	100
-JCL->	DWHD.D37F	110
	+ TRIS.CC10	120
	+ MISD.R37S=M	130
	+ DMTD.D19F	132
-KCL->	CHRS=02	140

W38F	FF 7	010
-1-	W38F	020
-0-	W38F/	030
-JCL-+	DWMD.D38F	040
	+ TR2S.CC1D	050
	+ MISO.R38S=M	060
-KCL-+	CHRS=02	070
W39F	FF 7	080
-1-	W39F	090
-0-	W39F/	100
-JCL-+	DWMD.D39F	110
	+ TR4S.CC1D	120
	+ MISO.R39S=M	130
-KCL-+	CHRS=02	140

W40F	FF 7	010
-1-	W40F	020
-0-	W40F/	030
-JCL-+	DWMD.D40F	040
	+ TR8S.CC1D	050
	+ MISO.R40S=M	060
-KCL-+	CHRS=02	070
W41F	FF 7	080
-1-	W41F	090
-0-	W41F/	100
-JCL-+	DWSD.D41F	110
	+ TRAS.CC1D	120
	+ MISO.R41S=M	130
-KCL-+	CHRS=02	140

W42F	FF 7	010
-1-	W42F	020
-0-	W42F/	030
-JCL-+	DMSD.D42F	040
	+ TRBS.CC10	050
	+ MISD.R42S=M	060
-KCL-+	CHRS=02	070
W43F	FF 7	080
-1-	W43F	090
-0-	W43F/	100
-JCL-+	DMSD.D43F	110
	+ TR1S.CC00	120
	+ MISD.R43S=M	130
-KCL-+	CHRS=02	140

W44F	FF 7	010
-1-	W44F	020
-0-	W44F/	030
-JCL-+	DMSD.D44F	040
	+ TR2S.CC00	050
	+ MISD.R44S=M	060
-KCL-+	CHRS=02	070
W45F	FF 7	080
-1-	W45F	090
-0-	W45F/	100
-JCL-+	DMSD.D45F	110
	+ TR4S.CC00	120
	+ MISD.R45S=M	130
-KCL-+	CHRS=02	140

W46F	FF 7	010
-1-	W46F	020
-0-	W46F/	030
-JCL->	TRBS.CC0D	040
	+ MISD.R46S-M	050
	+ TA0D-02.S15D.W19F	052
-KCL->	CWRS-02	060
W47F	FF 7	070
-1-	W47F	080
-0-	W47F/	090
-JCL->	TRAS.CC0D	100
	+ MISD.R47S-M	110
-KCL->	CWRS-02	120

W48F	FF 7	010
-1-	W48F	020
-0-	W48F/	030
-JCL->	TRBS.CC0D	040
	+ MISD.R48S-M	050
-KCL->	CWRS-02	060
Z46D	DR 9	070
-0-	Z46D	080
-1-	D24F/.D16F	090
Z46D/	DR 9	100
-0-	Z46D/	110
-1-	D24F.D16F	120
1MCD	DR 9	130
-0-	1MCD	140
-1-	AABOP	150
END OF BOOK		150