

MODEL 9800

3/28/97

**801709
AUXILIARY SPARES**

**141026
TRANSPORT CASE**

**801664
TOP LEVEL ASSEMBLY**

- 222033
3.5 DISK
- 222034
5.25 DISK
- 801624
THERMAL FILM KIT
- 9800 MAN
9800 MANUAL
- 9800 S.MAN
9800 SOFTWARE MANUAL

**801708
SPARE PARTS KIT**

- 140001
LG CLEAR DIV BOX
- 140002 (3)
SM CLEAR BOX
- 140003
LG CLEAR BOX
- 140008
ELEC COND BOX
- 151023
CAP .001UF
- 151069
CAP .22UF
- 151086
CAP 1MF
- 151122
CAP 470UF
- 151123
CAP 1000UF
- 246022
BUZZER
- 246024 (7)
LAMP 6 VOLT
- 246025 (2)
LAMP 12 VOLT
- 246026
LAMP 24 VOLT
- 281116 (8)
SOC HD 10-32 X 1/2
- 281120 (8)
SOC HD 10-32 X 5/8
- 283320 (8)
FLAT HD 6-32 X 1/4
- 288034 (8)
WASHER FLAT #10
- 288073 (8)
WASHER NYLON #10

- 288638
PLUNGER
- 384000
IC HC7400
- 384051 (2)
IC
- 384156
IC 74LS156
- 393140
OP AMP CA3140
- 472015-020
POT 20K 10 TURN
- 472062
POT 1K
- 472063
POT 10K
- 480200 (2)
DIODE
- 485406 (4)
DIODE IN5406
- 515034 (5)
FUSE 3 AMP
- 515151 (2)
CURRENT LIMITER
- 516519
SWITCH
- 516520 (2)
SWITCH
- 516521
SWITCH
- 516522
SWITCH
- 540011
HEX WRENCH SET
- 549006
LAMPING TOOL

- 220840
LOGO PLATE
- 222122
PAPER CAUTION LABEL
- 281116 (2)
SOC HD 10-32X1/2
- 281120 (4)
SOC HD 10-32X5/8
- 281612 (8)
SOC HD 6-32X3/8
- 288015 (4)
WASHER, SPLIT #10
- 288034 (6)
WASHER, FLAT SM. #10
- 288042 (8)
WASHER FLAT #6
- 288061 (8)
WASHER, NYLON, .03 #6
- 288073 (2)
WASHER, NYLON, .05 #10

**801527 (2)
THERMISTOR PC BD**

- 313003 (AR)
HEAT SHRINK
- 390592
TEMPERATURE SENSOR
- 700082
PC BOARD

- 801609
ANALOG BOARD
- 801649
MICRO BOARD
- 801717
CONTROL BOARD

**SEE PAGES
3, 4, + 5**

**801663
CASE ASSEMBLY**

- 212006 (8)
BNC COVER
- 212012
DUST COVER
- 220153 (2)
SERIAL NO LABEL
- 220442 (2)
SKID
- 221880-002
MAIN CASE
- 221920-002
COVER PLATE
- 221977-022
VIEW PANEL
- 222025-022
FEED ROLL COVER
- 255035
EDGE PROTECTOR
- 262001-026(2)
FINGER GUARD
- 281116 (4)
SOC HD 10-32X1/2
- 281612 (4)
SOC HD 6-32X3/8
- 283320 (8)
FLAT HD 6-32DX1/4
- 288015 (4)
WASHER SPLIT #10
- 288032 (4)
WASHER FLAT SM. #6
- 288034 (4)
WASHER FLAT SM. #10
- 288064 (4)
NYLON WASHER #6
- 549021
LOCTITE

**801646
FINAL ASSEMBLY 9800**

(SEE PAGE 2)

SPARES & MISC	DESCRIPTION
ND-801708	SMALL SPARES W/BDS
ND-802110	SMALL SPARES WO/BDS
ND-801766	DEPOT SPARES
801624	THERMAL FILM KIT
801561	THERMAL PAPER KIT
801978	AUTOCOM SOFTWARE PROGRAM
801777	RETROFIT KIT/DRIVE IDLER
801874	SOFTWARE UPGRADE KIT
801875	SOFTWARE UPGRADE W/O SPARES
802057	RETROFIT KIT/TU MOTOR

SCHEMATIC #	PART NO.	DESCRIPTION
900444	801717	CONTROL BOARD
900438	801649	MICRO BOARD
900435	801523	DIGITAL BOARD
900426	801609	ANALOG BOARD
900433	801666	POWER PC BOARD
NO SCHM	801671	IEEE BOARD

**801746 (2)
BRACKET ASSY**

- 221981
BRACKET
- 289552
RCN 105SL



EPC LABS DANVERS

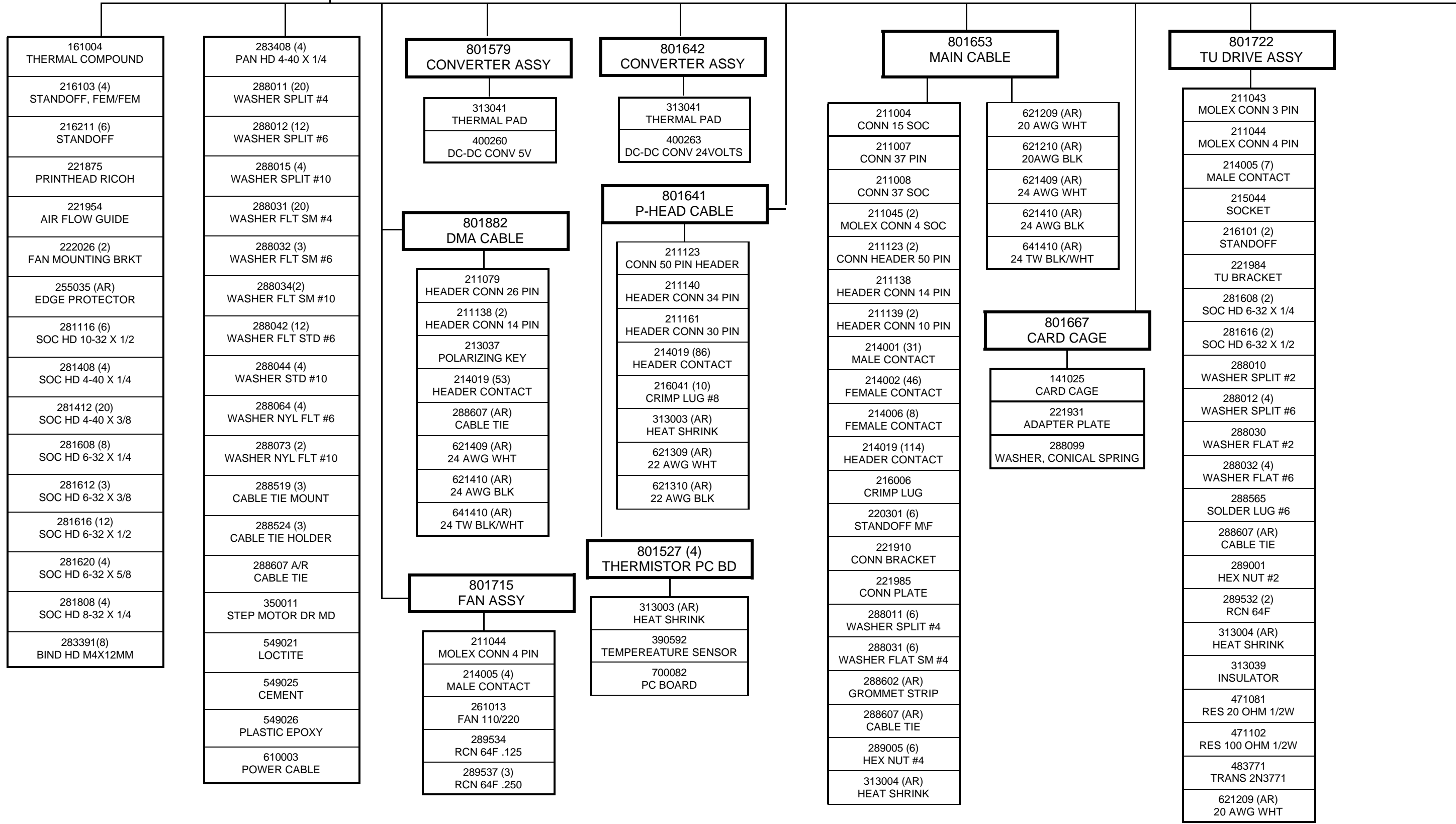
**TITLE:
9800 TREE**

**DRAWN BY: DATE:
JUDE GARLINGTON 3/28/97**

REV: B

FINAL ASSEMBLY 801646

9800



801646
FINAL ASSY (CONT)

9800

801933
CONTROL PANEL AY

- 211094 (5) CONN, LED
- 212004 HOUSING
- 213004 SCREW LOCK
- 221876-OVR PANEL
- 242007 (9) KNOB
- 242008 (2) KNOB, CONCENTRIC
- 242009 (2) KNOB 10 TURN
- 245002 (5) RED LED
- 288524 (2) CABLE TIE HOLDER
- 288558 SOLDER LUG #14
- 288607 (AR) CABLE TIE
- 472015-020 (2) POT, 10 TURN
- 472062 (3) POT 1K
- 472063 (2) POT/SWITCH 10 K
- 512038 (2) ROTARY SWITCH 8 POS
- 512039 (2) ROTARY SWITCH 10 POS
- 516519 SWITCH
- 516520 (4) SWITCH
- 516521 SWITCH
- 516522 (2) SWITCH
- 621410 (AR) 24 AWG BLK

801661
MULTIPLEXOR PC BD

- 151013 (10) CAP .01UF
- 151028 CAP .01UF
- 151083 (4) CAP 1.0UF
- 211167 HEADER CONN 60 PIN
- 215042 (6) SOCKET 16 PIN
- 215046 SOCKET 14 PIN
- 215051 SOCKET 20 PIN
- 216208 TEST POINT
- 246022 BUZZER
- 384000 IC HC7400
- 384051 (5) IC
- 384156 IC 74LS156
- 393140 OP AMP CA3140
- 473015 (2) RES ARRAY 10K 6 PIN
- 473018 RES ARRAY 10K 8 PIN
- 512036 (2) ROTARY SWITCH
- 700094 PC BOARD

801781
CABLE ASSY

- 211007 CONN 37 PIN
- 211166 HEADER CONN 60 PIN
- 214001 (37) MALE CONTACT
- 214019 (56) HEADER CONTACT
- 621210 (AR) 20 AWG BLK
- 621409 (AR) 24 AWG WHT
- 621410 (AR) 24 AWG BLK

801780
CABLE ASSY

- 211008 CONN 37 SOC
- 212004 HOUSING
- 213004 SCREW LOCK
- 214002 (37) FEMALE CONTACT
- 621210 (AR) 20 AWG BLK
- 621409 (AR) 24 AWG WHT
- 621410 (AR) 24 AWG BLK
- 641410 (AR) 24 TW BLK/WHT

801976
DIP SWITCH PC

- 216070 (9) TURRET
- 516506 DIP SWITCH
- 700104 PC BD

801647
CONN PLATE AY

- 211006 CONN 25 SOC
- 211051 (8) BNC CONN
- 220301 (4) SCREW LOCK
- 214002 (25) FEMALE CONTACT
- 221904-OVR CONN PLATE
- 281408 (2) SOC HD 4-40 X 1/4
- 288011 (2) WASHER SPLIT #4
- 288031 (2) WASHER FLAT #4
- 288524 CABLE TIE HOLDER
- 288567 (7) SOLDER LUG 1497
- 288607 CABLE TIE
- 313002 (AR) HEAT SHRINK
- 515034 FUSE 3 AMP
- 621210 (AR) 20 AWG BLK
- 621410 (AR) 24 AWG BLK

801858
PRINTER PORT CABLE

- 211005 CONN 25 PIN
- 211079 HEADER CONN 26 PIN
- 214001 (25) MALE CONTACT
- 214019 (25) HEADER CONTACT
- 621409 (AR) 24 AWG WHT
- 621410 (AR) 24 AWG BLK

801854
CONN PLATE, LINE INPUT

- 211045 MOLEX CONN 4 SOC
- 211135 MOLEX CONN 4 SOC
- 214006 (4) FEMALE CONTACT
- 214025 (4) FEMALE CONTACT
- 216200 BINDING POST
- 221921-002 CONN PLATE
- 270009 LINE FILTER
- 283312 (2) FLAT HD 4-40 X 1/2
- 288002 (2) WASHER INT #4
- 288004 WASHER INT #8
- 288011 (2) WASHER SPLIT #4
- 289005 (2) HEX NUT #4
- 515034 (2) FUSE 3 AMP
- 626101 (AR) 18 AWG GRN/YEL
- 626105 (AR) 16 AWG BRN
- 626106 (AR) 18 AWG BLUE
- 626109 (AR) 18 AWG WHT
- 626110 (AR) 18 AWG BLK

801631
INDICATOR PANEL

- 221879-OVR PANEL
- 246513 (3) IND LAMP
- 246514 (3) IND LAMP
- 246515 IND LAMP
- 246516 (2) IND LAMP
- 288012 WASHER SPLIT #6
- 288042 WSHER FLAT #6
- 288524 CABLE TIE HOLDER
- 288561 SOLDER LUG #6
- 288607 (AR) CABLE TIE
- 289060 HEX NUT 6-32 X 5/16
- 471137 RES 2.0K OHM 1/2W
- 516518 SWITCH
- 621410 (AR) 24 AWG BLK

801779
CABLE ASSY

- 211003 CONN 15 PIN
- 212002 HOUSING
- 213004 SCREW LOCK
- 214001 (15) MALE CONTACT
- 621209 (AR) 20 AWG WHT
- 621210 (AR) 20 AWG BLK
- 621409 (AR) 24 AWG WHT

801649
MICRO BOARD

- 171044 BOARD
- 201256 IC
- 201802 IC MK48TO2
- 202056 IC RAM
- 211182 (2) CONN HEADER LATCHING
- 216210 (3) SPRING SHUNT

801713
PROGRAM

- 202512 EPROM

801671
IEEE BOARD

- 171047 BOARD
- 211084 RIBBON CONN 25 PIN

801646
FINAL ASSY (CONT)

9800

801523
INTERFACE BD

801666
UNIV POWER PC BD

801609
ANALOG BOARD

151002 CAP 15PF
151008 (3) CAP 150PF
151013 (11) CAP .01UF
151028 (2) CAP .01UF
151031 CAP 47PF
151066 CAP .1UF
151083 (6) CAP 1.0UF
201252 IC
211143 HEADER CONN LATCHING
211182 CONN HEADER LATCHING
215042 (2) SOCKET 16 PIN
215046 (5) SOCKET 14 PIN
215051 (4) SOCKET 20 PIN
215052 SOCKET 28 PIN W
215053 (4) SOCKET 24 PIN
216208 TEST POINT JUMPER
231011 CRYSTAL 2.4576 MHZ
231012 CRYSTAL 16.000 MHZ
231014 CRYSTAL 5.24288 MHZ
255037 EJECTOR HANDLE

360031 IC
360032 IC
384000 IC HC7400
384244 (2) IC 74LS244
384245 IC 74LS245
384374 IC
384652 (2) IC 74LSTTL
387404 IC
387432 IC
471016 (8) RES 1K OHMS 1/8W
471032 RES 10K OHMS 1/8W
471055 RES 100K OHMS 1/8W
471061 (2) RES 2K OHM 1/8W
473017 (3) RES ARRAY 10K
700083 PC BOARD

801525
DECODE PAL

203208
PAL

801880
CONTROL PAL

203208
PAL

151023 (2) CAP .001UF
151069 (2) CAP .22UF
151086 (3) CAP 1MF
151122 (2) CAP 470UF
151123 (2) CAP 1000UF
211144 (2) CONN HEADER 50 PIN
211146 MOLEX CONN 2 PIN
211147 MOLEX CONN 4 PIN
215042 SOCKET 16 PIN
215057 (19) SOCKET
215058 (4) SOCKET
216041(2) CRIMP LUG #8
216208 (5) TEST POINT JUMPER
283408 (4) PAN HD 4-40 X 1/4
361111 IC DM74123N

400951 DC-DC CONVERTER
471009 RES 270 OHMS 1/8 W
471016 RES 1K OHMS 1/8 W
471030 RES 8.2K OHMS 1/8W
471039 RES 20K OHM 1/8W
471048 RES 47K OHMS 1/8W
471171(2) RES 100K OHMS 1/2W
471265 RES 200 OHM 5 W
472060 (2) POT 10K
480200 (2) DIODE
485406 (4) DIODE IN5406
515151 (2) CURRENT LIMITER
621409 (AR) 24 AWG WHT
621410 (AR) 24 AWG BLK
700090 PC BD

151013 (26) CAP .01UF
151031 CAP 47PF
151066 (2) CAP .1UF
151083 (3) CAP 1.0UF
151092 (3) CAP 10UF
151095 CAP 22UF
200226 IC AD7226KN
200300 IC CA3300
200524 IC
201254 IC
202265 IC RAM
211162 HEADER CONN LATCHING
215022 (4) SOCKET 8 PIN
215042 (6) SOCKET
215043 SOCKET 24 PIN W
215045 SOCKET 18 PIN
215051 (4) SOCKET 20 PIN
215059 SOCKET 28 PIN

215068 (2) SOCKET 68 PIN
216208 TEST POINT
255037 EJECTOR HANDLE
384060 IC 74HC4060
384244 IC 74LS244
384245 (2) IC 74LS245
384367 IC 74LS367
384592 IC 74HC592
390211 IC ADG211AKN
390311 IC LM311
390524 IC AD524
390744 IC
390746 (2) OP AMP AD746JN
450003 (3) RELAY
471009 RES 270 OHM 1/8W
471012 RES 470 OHM 1/8W
471016 (4) RES 1K OHM 1/8W
471023 RES 3.9K OHM 1/8W

471032 (4) RES 10K OHM 1/8W
471055 RES 100K OHM 1/8W
471063 (2) RES 5.1K OHM 1/8W
471065 RES 200K OHM 1/8W
471110 RES 220 OHM 1/2W
471215 RES 47 OHM 1/4W
471402 (2) RES 20K OHM 1/8W
471409 RES 2.94K OHM 1/8W
471413 RES 2.2K OHM 1/8W
471414 (2) RES 1.8K OHM 1/8W
471415 (9) RES 2.0K OHM 1/8W
472057 TRIMPOT 1K
473017 (2) RES ARRAY 10K
480085 (6) DIODE BAT85
480624 DIODE
480751 DIODE IN751A
516506 DIP SWITCH
700092 PC BOARD

801615
DECODE PAL

203810
PAL

801618
TIMING PAL

203810
PAL

9800

801646
FINAL ASSEMBLY (CONT)

801717
CONTROL BD

151013 (26) CAP .01UF
151083 (9) CAP 1.0UF
200828 IC ADC 8 BIT
202620 (2) IC RAM INMOS 1620
211121 HEADER CONN 26 PIN
211148 HEADER BREAKAWAY
211170 CONN HEADER 50 PIN
215042 (4) SOCKET 16 PIN
215046 (4) SOCKET 14 PIN
215051 (4) SOCKET 20 PIN
215052 SOCKET 28 PIN W
215053 (11) SOCKET 24 PIN
215060 (2) SOCKET 22 PIN
216208 TEST POINT
216210 SPRING SHUNT
245009 LED, GREEN
245010 (4) LED, RED
255037 EJECTOR HANDLE
364138 (2) IC 74F138
364538 IC 74F538

367486 IC 74F86
384245 (3) IC 74LS245
384367 (2) IC 74LS367
384652 (7) IC 74LSTTL
387474 IC
390490 IC
471006 RES 150 OHM 1/8W
471016 (4) RES 1K OHM 1/8W
471061 (3) RES 2K OHM 1/8W
471216 RES 1 OHMS 1/4 W
471409 (5) RES 2.94K OHMS 1/8 W
471410 RES 11.8K OHMS 1/8 W
471411 (4) RES 39.2H OHM 1/8W
472059 TRIMPOT 10K
473017 (6) RES ARRAY 10K
489000 IC MOSFET
700096 PC BD

801477
DECODE PAL

203211 PAL

801478
ADDRESS PAL

203601 PAL

801481
TIMING PAL

203601 PAL

801748
COMPARITOR PAL

203601 PAL

801747
POWER SHIELD

220153 SERIAL NO LABEL
221983 POWER SHIELD
255054 (AR) EXTRUDED CHANNEL
281412 (2) SOC HD 4-40 X 3/8
288009 WASHER INT 1/4
288011 (2) WASHER SPLIT #4
288031 (2) WASHER FLAT #4
288524 CABLE TIE HOLDER

801545
P-HEAD LOCK CABLE

211044 MOLEX CONN 4 PIN
214005 (4) MALE CONTACT
288607 (AR) CABLE TIE
313004 (AR) HEAT SHRINK
313007 (AR) HEAT SHRINK
513009 MICRO SWITCH
621409 (AR) 24 AWG WHT
621410 (AR) 24 AWG BLK
641410 (AR) 24 AWG TW/PR BLK/WHT

801582
PAPER SENSOR AY

215039 (4) SOCKET
281412 (2) SOC HD 4-40 X 3/8
288011 (2) WASHER SPLIT #4
288031 (4) WASHER FLAT #4
289050 (2) HEX NUT #4
370025 OPTIC SENSOR
471009 RES 270 OHM 1/8W
471016 RES 1K OHM 1/8W
471055 RES 100K OHM 1/8W
480106 MOS FET

801588
TURRET ASSY

216070 (3) TURRET
700088 PC BD

801646
FINAL ASSEMBLY (CONT)

MAIN FRAME ASSEMBLY 801648

9800

- 221973 RISER TU DRIVE
- 221974 RISER CARD CAGE
- 221669 SM GEAR CLUSTER
- 220648 LG GEAR CLUSTER
- 221997 DRIVE ROLLER
- 222054 (2) PINCH ROLLER CAM
- 221844 (2) PIVOT BLOCK, LATCH
- 221925 PRINTHEAD RISER
- 221749 PINCH ROLLER
- 220132 (2) PINCH RLR BUSHING
- 220153 (2) LABEL, SERIAL NO.
- 252050 (4) PRELOAD SPRING
- 252057 (2) SPRING, LEE
- 253001 GEAR SPR, GC-18-22-PL
- 253020 GEAR SPR GP-20-30-PL
- 254002 (2) RING, RETAINING
- 288014 (2) WASHER SPLIT #8
- 288033 (2) WASHER FLAT #6
- 216081 (2) BARRIER STRIP
- 221873 (4) STANDOFF

- 255039 #133 GUM TUBING
- 281112 (4) SOC HD 10X32 X 3/8
- 281116 (4) SOC HD 10-32 X 1/2
- 281406 SOC HD 4-40 X 3/16
- 281616 (7) SOC HD 6-32 X 1/2
- 281620 (18) SOC HD 6-32 X 5/8
- 281820 (4) SOC HD 8-32 X 5/8
- 287199 SET SCREW #10
- 288012 (10) WASHER SPLIT #6
- 288015 (8) WASHER SPLIT #10
- 288032 (8) WASHER FLAT SM #6
- 288073 (4) WHS FLT .05 #10
- 288532 HUB CLAMP CG-73
- 288581 (2) SHOULDER SCREW
- 288637 (2) SPRING PLUNGER
- 288639 (2) THUMB SCREW CAM
- 549021 LOCTITE
- 288582 (2) SHOULDER SCREW

- 801805 (2) JUMPER CABLE**
- 216031 CRIMP LUG 1/4
- 216041 (3) CRIMP LUG #8
- 621008 (AR) 16 AWG GREY

- 221918 PAPER SUPPORT
- 288033 (2) WASHER FLAT #6
- 450004 RELAY
- 287200 (2) SET SCREW
- 287405 (2) SET SCREW

- 801744 SUPPORT ASSY, VP**
- 221978 SUPPORT VP
- 289534 (2) RCN 64F
- 801746 (2) PANEL BRKT ASSY.**
- 221981 BRACKET, PANEL
- 289552 RCN 105SL

- 801591 CHART ADV MOTOR**
- 313003 (AR) HEAT SHRINK
- 350001 MOTOR
- 621410 (AR) 24 AWG BLK

- 801806 (2) JUMPER CABLE**
- 216031 CRIMP LUG 1/4
- 216041 (2) CRIMP LUG #8
- 621008 (AR) 16 AWG GREY

- 801636 RISER ASSY., TU**
- 221972 (2) FRAME MNT BRKT
- 221810 STOP BRACKET
- 221980 VP SUPPORT BRKT
- 221988 PAPER SUPPORT
- 281116 SCHD 10-32 X 1/2
- 281608 (6) SCHD 6-32 X 1/4
- 281612 (4) SCHD 6-32 X 3/8
- 287201 SET SCREW
- 288012 (4) WASHER, SPLIT #6
- 288042 (4) WASHER, FLAT #6
- 549021 (AR) LOCTITE

- 801743 RISER, PRESS NUT**
- 221975 RISER, PANEL
- 251002 OILLITE BEARING
- 251005 OILLITE BEARING
- 251006 OILLITE BEARING
- 289542 (2) RCN 85F
- 289551 (4) RCN 105F
- 549023 BEARING MOUNT

- 801654 RISER ASSY., I P**
- 221972 (2) FRAME MNT BRKT
- 221810 STOP BRACKET
- 221980 VP SUPPORT BRKT
- 221988 (2) PAPER SUPPORT
- 221930 RISER IND. PNL
- 251002 OILLITE BEARING
- 251005 OILLITE BEARING
- 251006 OILLITE BEARING
- 281116 (2) SCHD 10-32 X 1/2
- 281608 (6) SCHD 6-32 X 1/4
- 281612 (4) SCHD 6-32 X 3/8
- 287201 (2) SET SCREW
- 288012 (4) WASHER, SPLIT #6
- 288042 (4) WASHER, FLAT #6
- 549021 LOCTITE

- 801744 SUPPORT ASSY.VP**
- 221978 SUPPORT VP
- 289534 (2) RCN 64F

- 801745 PRINT ROLLER ASSY**
- 141024 (2) HANDLE
- 221765 PRINT ROLLER
- 221791 (6) SUPPORT
- 221851 LATCH, RT SIDE
- 221852 LATCH, LT SIDE
- 221917 STICKER
- 221979 IDLER PLATE
- 221986 ROLLER ARM, LFT
- 221987 ROLLER ARM, RT
- 222057 (3) ROLLER
- 251004 (2) OILITE BEARING
- 281616 (16) SOC HD 6-32 X 1/2
- 283652 (4) PAN HD 6-32 X 5/8
- 287199 (2) SET SCREW
- 288003 (12) WASHER INT #6
- 288042 (AR) WASHER FLAT #6
- 288061 (2) NYLON WASHER #6
- 288063 (4) NYLON WASHER #6
- 288638 (2) PLUNGER
- 549021 LOCTITE

- 801737 IDLER ROLLER ASSY**
- 222057 IDLER ROLLER
- 221967 BRACKET
- 221968 (2) SUPPORT
- 281616 (3) SHCS 6-32X1/2
- 281608 (2) SHCS 6-32X1/4
- 549021 LOCTITE
- 288032 (4) WASHER, FLAT #6
- 255025 (3) SPACER RUBBER

- 801586 TU MOTOR**
- 211042 MOLEX CONN
- 214006 (3) FEMALE CONTACT
- 222017 MOTOR
- 288563 SOLDER LUG #10
- 621210 (AR) 20 AWG BLK

REV	DESCRIPTION	ECO
A	ADDED 201256 TO MICRO BD	1422
B	CHANGED SCREW LOCK ON 801647 C. PLATE FROM 213003 TO 220301	1438