

**MODEL 9801**

**3/27/97**

**801923  
AUXILIARY SPARES**

**141026  
TRANSPORT CASE**

**801938  
TOP LEVEL ASSEMBLY**

- 222033  
3.5 DISK
- 222034  
5.25 DISK
- 801624  
THERMAL FILM KIT
- 9801 MAN  
9801 MANUAL

**801924  
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

- 801955  
ANALOG BOARD
- 801930  
MICRO BOARD
- 801855  
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

**801746 (2)  
BRACKET ASSY**


- 221981  
BRACKET
- 289552  
RCN 105SL

**801927  
FINAL ASSEMBLY 9801**

(SEE PAGE 2)

SPARES & MIS	DESCRIPTION
ND-801924	SMALL SPARES W/BDS
ND-802111	SMALL SPARES WO/BDS
ND-801925	DEPOT SPARES
801624	THERMAL FILM KIT
801561	THERMAL PAPER KIT
801978	AUTOCOM SOFTWARE PROGRAM
802104	NAVO SPARES

SCHEMATIC #	PART NO.	DESCRIPTION
900477	801977	CONTROL BOARD
900468	801968	MICRO BOARD
900435	801523	DIGITAL BOARD
900464	801955	ANALOG BOARD
900452	801817	POWER PC BOARD
NO SCHM	801671	IEEE BOARD



**EPC LABS DANVERS**

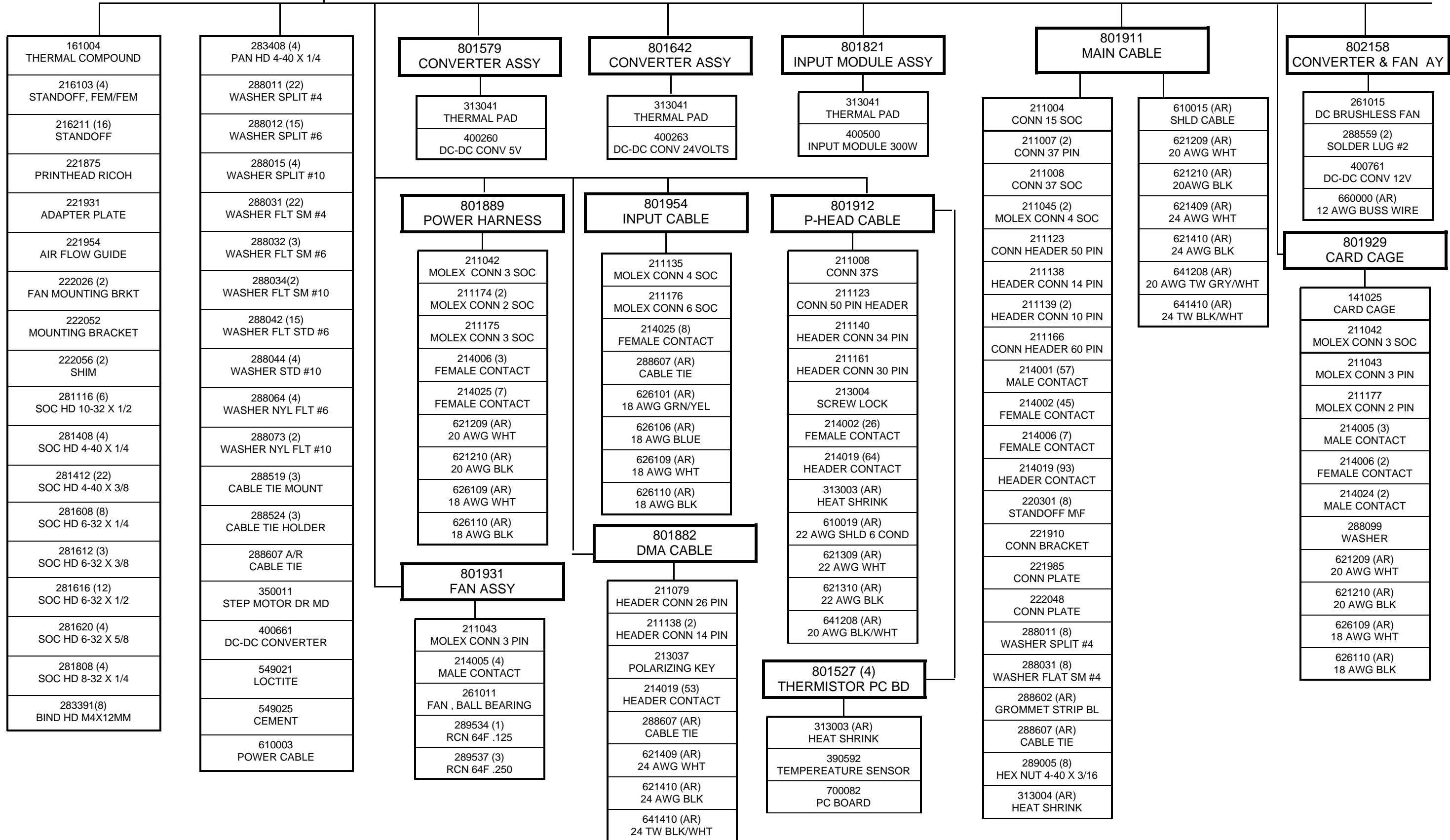
TITLE:  
9801 TREE

DRAWN BY: **JUDE GARLINGTON**      DATE: **3/27/97**

REV: B

**FINAL ASSEMBLY 801927**

**9801**



801927  
FINAL ASSY (CONT)

9801

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

801656  
ENCODE PAL

203168  
PAL

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

- 216200 BINDING POST
- 222028-002 CONN PLATE
- 283312 (2) FLAT HD 4-40 X 1/2
- 288002 (2) WASHER INT #4
- 288011 (2) WASHER SPLIT #4
- 288560 SOLDER LUG #4
- 289005 (2) HEX NUT #4

801890  
PEM ASSY

- 211175 MOLEX CONN 3 SOC
- 214025 (3) FEMALE CONTACT
- 216222 (4) CRIMP LUG
- 270010 LINE FILTER
- 288560 SOLDER LUG #4
- 288607 (AR) CABLE TIE
- 313034 (AR) HEAT SHRINK
- 515034 FUSE 3 AMP
- 621410 (AR) 24 AWG BLK
- 626101 (AR) 18 AWG GRN/YEL
- 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

801891  
POWER INPUT PC

- 151130 CAP 1000UF
- 211147 MOLEX CONN 4 PIN
- 211173 MOLEX CONN 3 PIN
- 215057 (7) SOCKET
- 215058 (2) SOCKET
- 700103 PC BD

801671  
IEEE BOARD

- 171047 BOARD
- 211084 RIBBON CONN 25 PIN

801930  
MICRO BOARD

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

801932  
PROGRAM

- 202512 EPROM

**801927  
FINAL ASSY (CONT)**

**9801**

**801523  
INTERFACE BD**

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
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**801880  
CONTROL PAL**

203208 PAL
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**801817  
UNIV POWER PC BD**

151069 CAP .22UF
151086 (4) CAP 1MF
151123 (3) CAP 1000UF
151131 CAP 11,000UF
211144 (2) CONN HEADER 50 PIN
211146 (2) MOLEX CONN 2 PIN
211172 MOLEX CONN 6 PIN
211173 MOLEX CONN 3 PIN
215042 SOCKET 16 PIN
215057 (28) SOCKET
215058 (8) SOCKET
216026 CRIMP LUG #8
216208 (5) TEST POINT JUMPER
283408 (4) PAN HD 4-40 X 1/4
313002 (AR) HEAT SHRINK
361111 IC DM74123N

370026 OPTIC ISOLATOR
471009 RES 270 OHMS 1/8 W
471016 RES 1K OHMS 1/8 W
471025 RES 4.7K OHMS 1/8W
471030 RES 8.2K OHMS 1/8W
471044 (2) RES 36K OHMS 1/8W
471048 RES 47K OHMS 1/8W
471055 RES 100K OHMS 1/8W
471179 RES 470K OHMS 1/2W
471265 RES 200 OHM 5 WATT
472060 (4) POT 10K
481501 TRANS PAD
482222 TRANS 2N2222
484007 DIODE IN4007
484937 DIODE IN4937
700099 PC BD

**801891  
POWER INPUT PC BD**

151130 CAP 1000UF
211147 MOLEX CONN 4 PIN
211173 MOLEX CONN 3 PIN
215057 (7) SOCKET
215058 (2) SOCKET
700103 PC BOARD

**801955 (2)  
ANALOG BOARD**

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 (3) 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 (8) RES 2.0K OHM 1/8W
472057 TRIMPOT 1K
473017 (2) RES ARRAY 10K
480085 (4) DIODE BAT85
480624 DIODE
480751 DIODE IN751A
516506 DIP SWITCH
700092 PC BOARD

**801615  
DECODE PAL**

203810 PAL
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**801618  
TIMING PAL**

203810 PAL
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9801

801927  
FINAL ASSEMBLY (CONT)

801855  
CONTROL BD

- 151013 (2)  
CAP .01UF
- 151028 (40)  
CAP .01UF
- 151083  
CAP 1.0UF
- 151086 (2)  
CAP 1MF
- 151088 (4)  
CAP 4.7UF
- 200828  
IC ADC 8 BIT
- 201254  
IC
- 202120 (2)  
IC 7C128A
- 211077  
CONN HEADER 40 PIN
- 211179  
CONN HEADER 60 PIN
- 215042 (4)  
SOCKET 16 PIN
- 215043  
SOCKET 24 PIN W
- 215046 (4)  
SOCKET 14 PIN
- 215051 (10)  
SOCKET 20 PIN
- 215052  
SOCKET 28 PIN W
- 215053 (13)  
SOCKET 24 PIN
- 215059 (4)  
SOCKET 28 PIN
- 232823  
OSC 33MHz
- 245011 (4)  
LED, RED
- 245012  
LED, GREEN
- 255037  
EJECTOR HANDLE
- 364138 (2)  
IC 74F138
- 364432  
IC 74F32
- 364438  
IC 74F38

- 364538  
IC 74F538
- 384244  
IC 74LS244
- 384245 (4)  
IC 74LS245
- 384273 (2)  
IC 74LS273
- 384367 (2)  
IC 74LS367
- 384374 (2)  
IC
- 384652 (4)  
IC 74LSTTL
- 390490  
IC
- 471032  
RES 10K OHMS 1/8 W
- 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
- 471415 (4)  
RES 2K OHMS 1/8 W
- 472060  
POT 10K
- 473015  
RES ARRAY 10K
- 473016 (4)  
RES ARRAY 1K
- 473017 (4)  
RES ARRAY 10K
- 489000  
IC MOSFET
- 700101  
PC BD

801913  
FAST PAL  
203330

801914  
RAM PAL  
203210

801915  
ADDRESS PAL  
203610

801916  
SHIFT PAL  
203209

801917  
SHADE PAL  
203209

801918 (2)  
COMP PAL  
203331

801919  
DEC PAL  
203209

801920  
CHART PAL  
203331

801921  
MISC PAL  
203610

801922  
STROBE PAL  
203209

- 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

801937  
POWER SHIELD

- 222050  
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

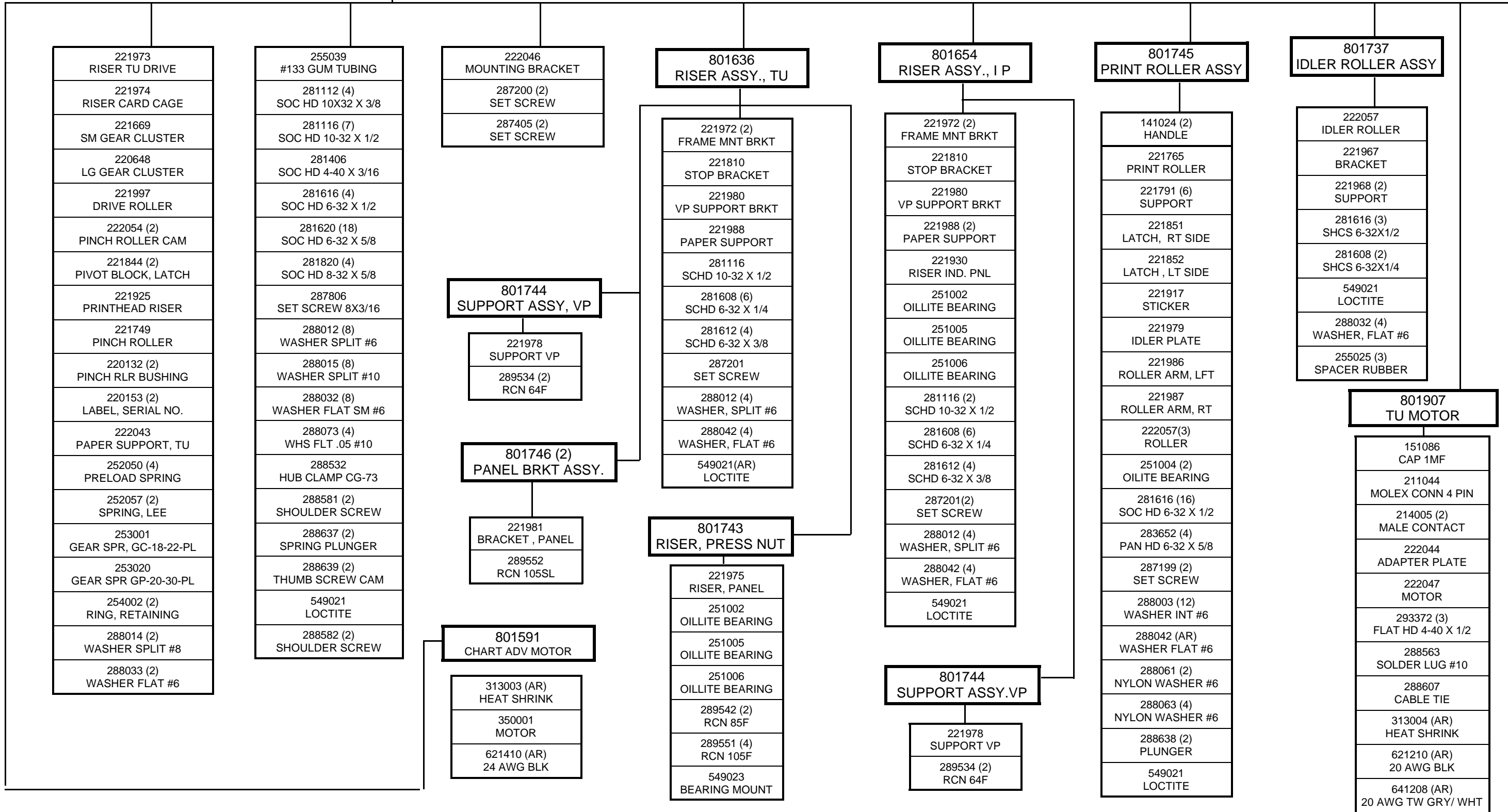
- 801582  
PAPER SENSOR AY
- 215039 (4)  
SOCKET
  - 281412 (2)  
SOC HD 4-40 X 3/8
  - 288011 (2)  
WASHER SPLIT #4
  - 288031 (4)  
WASHER FLAT #4
  - 289050 (2)  
HEX NUT #4
  - 370025  
OPTIC SENSOR
  - 471009  
RES 270 OHM 1/8W
  - 471016  
RES 1K OHM 1/8W
  - 471055  
RES 100K OHM 1/8W
  - 480106  
MOS FET

- 801588  
TURRET ASSY
- 216070 (3)  
TURRET
  - 700088  
PC BD

801927  
FINAL ASSEMBLY (CONT)

MAIN FRAME ASSEMBLY 801926

9801



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