

MISCELLANEOUS INFORMATION

DEPOT SPARES	802448
SMALL SPARES	802447
CONVERSION KIT, 1086-0 TO 1086-2	802453
RECOMMENDED SPARES	802499
RACK MOUNT KIT	802295
COVER ASSEMBLY	802390
TRANSPORT CASE	141029
SCHEMATICS	
MOTOR DRIVE BOARD (802392)	900480
CONTROL BOARD ASSY (802221)	900472
ANALOG PARALLEL I/O BOARD (802351)	900481

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802399
INTERFACE PANEL ASSY

- 211001 (2)
CONN 9 PIN
- 211002 (2)
CONN 9 SOC
- 214001 (18)
MALE CONTACT
- 214002 (18)
FEMALE CONTACT
- 220301 (8)
STANDOFF M/F
- 222083
INTERFACE PANEL
- 270016
LINE FILTER, POWER ENTRY
- 281412 (2)
SOC HD 4-40 X 3/8
- 281612 (4)
SOC HD 6-32 X 3/8
- 288011 (2)
WASHER SPLIT #4
- 288012 (4)
WASHER SPLIT #6
- 288031 (4)
WASHER FLAT #4
- 288042 (4)
WASHER #6
- 289050 (2)
HEX NUT 4-40 X 1/4
- 515034 (2)
FUSE 3 AMP
- 549022 (AR)
RTV
- 621409 (AR)
24 AWG WHT
- 621410 (AR)
24 AWG BLK

- 802027
KEY BOARD CABLE
- 211193
CIRCULAR CONN 5 PIN
 - 211194
HEADER CONN 5 PIN
 - 214034 (5)
CONTACT JST
 - 313002 (AR)
HEAT SHRINK
 - 621409 (AR)
24 AWG WHT

- 802028 (2)
PARALLEL I/O CABLE
- 211005
CONN 25 PIN
 - 211079
HEADER CONN 26 PIN
 - 214019 (25)
HEADER CONTACTS
 - 288607 (AR)
CABLE TIE
 - 621409 (AR)
24 AWG WHT
 - 621410 (AR)
24 AWG BLK

- 802217
FAN ASSY
- 211094
CONN LED
 - 261016
FAN 3.25
 - 641408 (AR)
24 AWG TW GRY/WHT

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**802391
FINAL ASSEMBLY**

- 171051 PASSIVE BACK PLANE
- 222151 PRINthead
- 281412 (8) SOC HD 4-40 X 3/8
- 281608 (6) SOC HD 6-32 X 1/4
- 281612 (18) SOC HD 6-32 X 3/8
- 281620 (2) SOC HD 6-32 X 5/8
- 283216 (2) PAN HD 2-56 X 1/2
- 283392 (4) PAN HD SLOT M3 X 8MM
- 288011 (8) WASHER SPLIT #4
- 288012 (18) WASHJER SPLIT #6
- 288041 (8) WASHER FLAT #4
- 288042 (18) WASHER FLAT #6
- 350011 STEP MOTOR DR MD
- 549021 (AR) LOCTITE
- 610003 POWER CABLE

- 802037
RESET CABLE ASSY**
- 211094 (2) CONN LED
- 641408 (AR) 24 AWG TW GRY/ WHT

- 802210
POWER CABLE,
BACKPLANE**
- 211176 MOLEX CONN 6 SOC
- 214025 (6) FEMALE CONTACT
- 216026 (5) CRIMP LUG #8
- 626105 (AR) 18 AWG BROWN
- 626106 (AR) 18 AWG BLUE
- 626109 (AR) 18 AWG WHITE
- 626110 (AR) 18 AWG BLACK

- 802394
PRINthead POWER
CABLE**
- 211094 LED CONN
- 211138 HEADER CONN 14 PIN
- 211218 CONN JAE 13 SOC
- 214019 (14) HEADER CONTACT
- 214027 (13) CONTACT
- 288607 (AR) CABLE TIE
- 621309 (AR) 22 AWG WHITE
- 621310 (AR) 22 AWG BLACK

- 802384
POWER SUPPLY
BRACKET AY**
- 222240 BRACKET
- 281608 (2) SOC HD 6-32 X 1/4
- 281620 (2) SOC HD 6-32 X 5/8
- 281638 (2) SOC HD 6-32 X 1 1/4
- 283393 (2) FLAT HD M3 X 6MM
- 288003 (2) WASHER INT TOOTH #6
- 288012 (6) WASHER SPLIT #6
- 288032 (2) WASHER FLAT #6
- 288519 CABLE TIE MOUNT
- 288607 (AR) CABLE TIE
- 400274 POWER SUPPLY 24V
- 400275 POWER SUPPLY 5V

- 802375
DC OUTPUT LOGIC
CABLE**
- 211195 CONN 5 SOC JST
- 211212 CONN MTA 8 PIN
- 214030 (5) CONTACT JST
- 288607 (AR) CABLE TIE
- 621109 (AR) 18 AWG WHITE 300V
- 621110 (AR) 18 AWG BLACK 300V

- 802373
AC INPUT P-HEAD
CABLE**
- 216026 CRIMP LUG #8
- 216222 (3) CRIMP LUG
- 313001 (AR) HEAT SHRINK
- 313002 (AR) HEAT SHRINK
- 651123 (AR) 18 AWG 3 COND SHLD
- 802374
AC INPUT LOGIC
CABLE**
- 211237 CONN MTA 3 PIN
- 288607 (AR) CABLE TIE
- 621101 (AR) 18 AWG BROWN 300V
- 621106 (AR) 18 AWG BLUE 300V
- 621111 (AR) 18 AWG GRN/YEL 300V

- 802377
24V POWER CABLE**
- 211176 MOLEX CONN 6 SOC
- 214025 (2) FRMALE CONTACT
- 216031 (2) CROMP LUG 1/4
- 288607 (AR) CABLE TIE
- 657822 (AR) 14 AWG 2 COND SHLD

- 802209
CHART MOD CABLE**
- 211212 CONN 8 PIN MTA
- 621209 (AR) 20 AWG WHITE
- 621210 (AR) 20 AWG BLACK

- 802219 (2)
RIBBON CABLE DIG I/O**
- 211220 (2) HEADER CONN 50 PIN
- 610017 (AR) RIBBON CABLE 60 WIRE

- 802191
PRINthead CABLE**
- 211079 HEADER CONN 26 PIN
- 211217 CONN JAE 10 PINS
- 214019 (12) HEADER CONTACTS
- 214027 (10) CONTACTS
- 288607 (AR) CABLE TIES
- 621409 (AR) 24 AWG WHITE
- 641408 (AR) 24 AWG TW GRY/WHT

- 802194
P-HEAD ERROR CABLE**
- 211210 CONN 4 PIN MTA
- 211219 CONN OPTIC SENSOR
- 288607 (AR) CABLE TIE
- 313001 (AR) HEAT SHRINK
- 513008 MICRO SWITCH W/ARM
- 621409 (AR) 24 AWG WHITE
- 621410 (AR) 24 AWG BLACK
- 641410 (AR) 24 AWG TW BLK/WHT

- 802385
OPTIC SENSOR BRKT**
- 222242 SENSOR BRACKET
- 282423 (2) BUTTON HD 4-40 X 5/16
- 288012 (2) WASHER SPLIT #6
- 370138 OPTIC SENSOR

- 802207
CONTROL PANEL AY**
- 216210 SPRING SHUNT
- 216217 (8) SPACER
- 222080 CONTROL PANEL
- 222098 (2) MOUNTING BRACKET
- 281208 (8) SOC HD 2-56 X 1/4
- 288010 (8) WASHER SPLIT #2
- 288012 (4) WASHER SPLIT 6
- 288042 (4) WASHER FLAT #6
- 289060 (4) HEX NUT 6-32 X 5/16

- 802208 (2)
LCD ASSY**
- 211094 CONN LED
- 211204 CONN 14 PIN
- 214019 (14) HEADER CONTACTS
- 245506 LCD
- 288607 (AR) CABLE TIE
- 621409 (AR) 24 AWG WHITE
- 621410 (AR) 24 AWG BLACK
- 641410 (AR) 24 AWG TW BLK/WHT

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**802391
FINAL ASSEMBLY (CON'T)**

**802351
ANALOG INTERFACE
BD**

- 151020 (2) CAP 470PF
- 151027 (2) CAP .001UF
- 151028 (37) CAP .01UF
- 151031 (14) CAP 47PF
- 151092 (6) CAP 10UF
- 200153 IC A/D CONV MAX153
- 200224 IC DAC 8 BIT AD7224
- 200533 IC DAC 10 BIT AD7533
- 201254 IC PROG TIMER
- 202432 IC FIFO CY7C432
- 211148 (6) HEADER BRK AWAY
- 211160 HEADER CONN 40 PIN
- 211163 HEADER CONN 26 PIN
- 215022 (6) SOCKET 8 PIN
- 215042 (5) SOCKET 16 PIN
- 215043 SOCKET 24 PIN W
- 215045 SOCKET 18 PIN
- 215051 (6) SOCKET 20 PIN
- 215052 SOCKET 28 PIN W
- 215069 SOCKET 84 PIN
- 232640 OSC LOPASS
- 232651 OSC HIPASS
- 232825 OSC 8 MHZ

- 255062 BRACKET
- 281408 (2) SOC HD 4-40 X 1/4
- 288011 (2) WASHER SPLIT #4
- 288031 (2) WASHER FLAT #4
- 289005 (2) HEX NUT 4-40 X 3/16
- 384040 IC 74HC4040
- 384541 (2) IC OCTAL BUFFER
- 390333 IC MAX333A
- 390600 IC AD600
- 391010 (2) IC FILTER ACTIVE
- 391458 (6) IC DUAL OP AMP
- 471003 (2) RES 47 OHMS 1/8W
- 471016 (4) RES 1K OHM 1/8W
- 471026 RES 5.6K OHM 1/8W
- 471030 (2) RES 8.2K OHM 1/8W
- 471032 (27) RES 10K OHM 1/8W
- 471034 (2) RES 12K OHM 1/8W
- 471038 RES 18K OHM 1/8W
- 471055 (4) RES 100K OHM 1/8W
- 471067 (2) RES 1 MEG 1/8W
- 471102 (2) RES 100 OHMS 1/2W
- 471274 (2) RES 910 OHMS 1/8W
- 471415 (2) RES 2K OHM 1/8W

- 472060 POT 10K
- 473015 (2) RES ARRAY 10K 6 PIN
- 473024 RES ARRAY 4.7K
- 473034 RES ARRAY 10K 8 PIN
- 473036 RES ARRAY 1K 9 PIN
- 480752 (2) DIODE IN752A
- 480914 (9) DIODE IN914B
- 700116 PC BOARD

**802357
CONTROL PAL**

203108 PAL

**802039
DIGITAL I/O BOARD**

- 171052 DIGITAL I/O BOARD
- 473017 (12) 10K RES ARRAY

**802398
CPU BOARD**

171055 MICRO BOARD

**802400
PROGRAM**

202040 FLASH MEMORY

**802221
CONTROL BOARD**

- 151028 (45) CAP .01UF
- 151089 (5) CAP 6.8UF
- 200828 ADC 8 BIT W/8 INPUTS
- 201254 PROG TIMER
- 202120 (2) IC 7C128A RAM
- 211121 HEADER CONN 26 PIN
- 211148 (AR) HEADER BREAK AWAY
- 211189 HEADER CONN 10 PIN
- 215042 (7) SOCKET 16 PIN
- 215043 SOCKET 24 PIN W
- 215046 (2) SOCKET 14 PIN
- 215051 (17) SOCKET 20 PIN
- 215052 SOCKET 28 PIN W
- 215053 (6) SOCKET 24 PIN
- 215059 SOCKET 28 PIN
- 215069 (2) SOCKET 84 PIN
- 216210 (5) SPRING SHUNT
- 222090 BRACKET
- 232824 OSC 33 MHZ
- 281408 SOC HD 4-40 X 1/4
- 288011 WASHER SPLIT #4
- 288050 (2) WASHER NYLON #4
- 364138 (2) IC 74F138

- 364432 IC 74F32
- 364538 IC 74F538
- 384244 (3) IC 74LS244
- 384245 (4) IC 74LS245
- 384273 IC 74LS273
- 384374 (3) IC
- 384652 (2) IC 74LSTTL
- 385244 (5) IC 74F244
- 387283 (4) IC 74LS283
- 387404 IC
- 387585 IC 74LS85
- 471043 RES 30K OHM 1/8W
- 471216 RES 1 OHM 1/8W
- 473016 (2) RES ARRAY 1K 10 PIN
- 473031 (3) RES ARRAY 4.7K 10 PIN
- 700106 PC BOARD

**802012
OVER FLOW PAL**

203210 PAL

**802013
OVERFLOW PAL**

203210 PAL

802014

203780 PAL

**802015
DECODE PAL**

203780 PAL

**802016
COMBO PAL**

203331 PAL

**802392
MOTOR DRIVE BOARD**

- 151064 CAP .1UF
- 151131 CAP 11,000UF
- 211144 HEADER CONN 50 PIN
- 211172 (2) MOLEX CONN 6 PIN PC MT
- 211182 HEADER CONN 14 PIN LATCH
- 211203 (2) HEADER CONN 14 PIN SHR
- 211206 (5) HEADER CONN 2 PIN MTA
- 211207 HEADER CONN 3 PIN MTA
- 211208 (2) HEADER CONN 4 PIN MTA
- 211211 HEADER CONN 8 PIN
- 215042 SOCKET 16 PIN
- 215053 SOCKET 24 PIN
- 232826 OSC 60 KHZ

- 288014 (4) WASHER SPLIT #8
- 450004 RELAY
- 471016 (3) RES 1K OHM 1/8W
- 471032 (2) RES 10K OHM 1/8W
- 471115 RES 390 OHM 1/2W
- 471231 (2) RES 3 OHMS 3W
- 472060 (2) POT 10K
- 480320 TRANSISTOR
- 481501 TRANSI-PAD
- 482222 TRANSISTOR
- 660006 (AR) 24 AWG BUSS WIRE
- 700112 PC BOARD

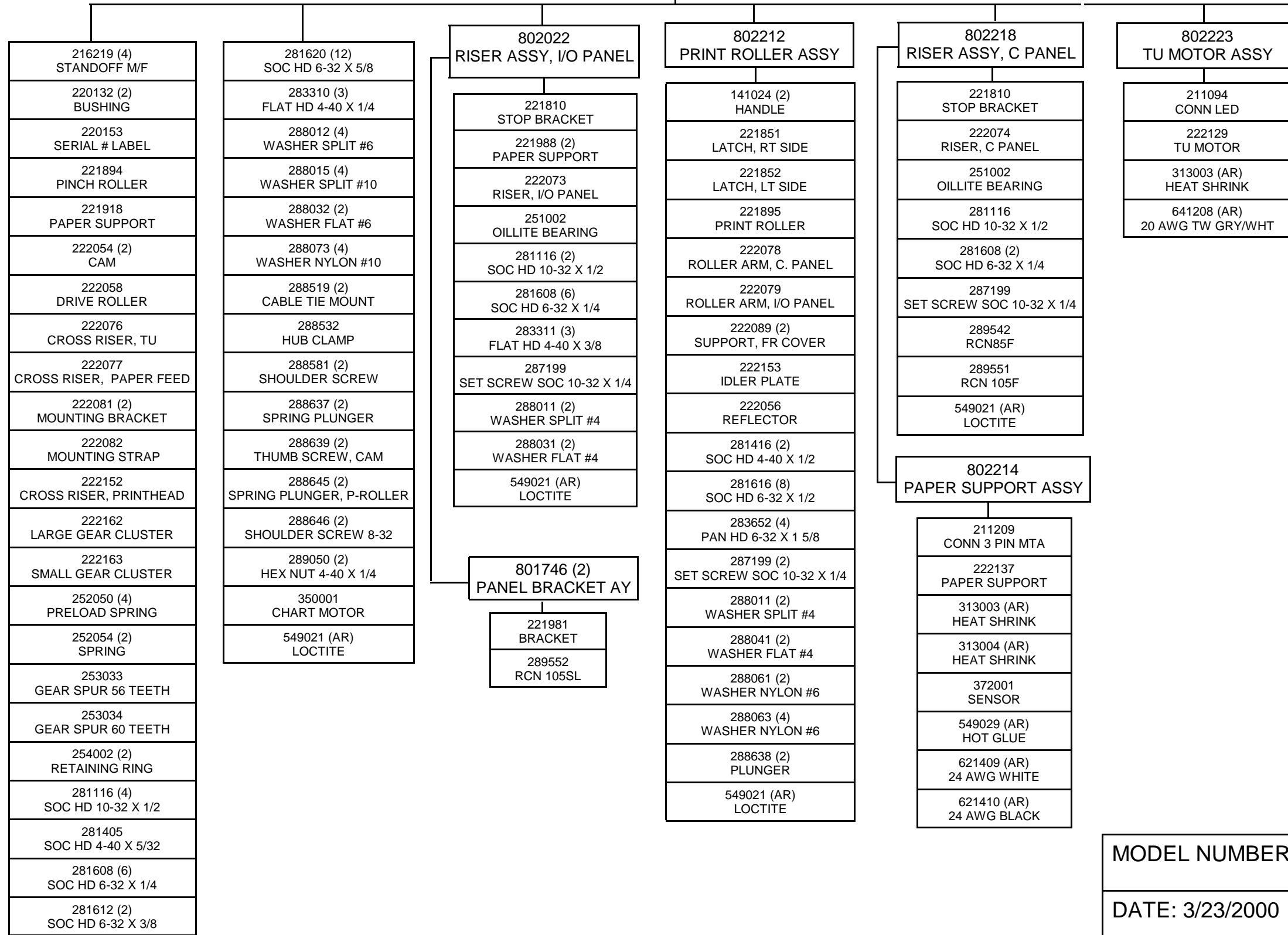
**802183
CHART PAL**

203610 PAL

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802391
FINAL ASSEMBLY (CON'T)

802395
MAIN FRAME ASSY



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REV	DESCRIPTION	ECO
A	ELIMINATED VIDEO CABLES 802215 + 802216 FROM I/O PANEL	1409
B	CHANGED 214019 PIN COUNT IN 802191 CABLE	1415
C	CHANGED 283312 TO 283310 IN MAIN FRAME TO ACCOMMODATE THE TU MOTOR SHAFT	1425
D	ADDED 802350 GROUND LUG KIT	1435
E	ADDED 802383 DEMO DISK, IPU	1443
F	REDUCED 288010 QTY FROM 16 TO 8 ON 802207	1456
G	CHANGED 641208 TO 641410 24 TW BLK/WHT	1457
H	CHANGED 211230 TO 211212, DELETED 214035 ON 802375 CABLE	1461
I	ADDED 222122 CAUTION STICKER TO CASE ASSY 802145	1480
J	ADDED 1 MORE 151031 TO 802351 ANALOG BD	1489
K	CHANGED CONN 211229 TO 211237,DELETED 214035 ON CABLE 802374\CHANGED 211230 TO 211212, DELETED 214035 ON CABLE 802375	1506
L	CREATED DEPOT SPARES 802448/ SMALL SPARES 802447	1520
M	DELETED DISK 802383 AND ADDED 222256 SUPPORT DISK	1521
N	ADDED A COVER ASSY	1545
O	ADDED CONVERSION KIT 1086-0 TO 1086-2	1546
P	NEW STRUCTURES ADDED TO MANUAL	1550

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