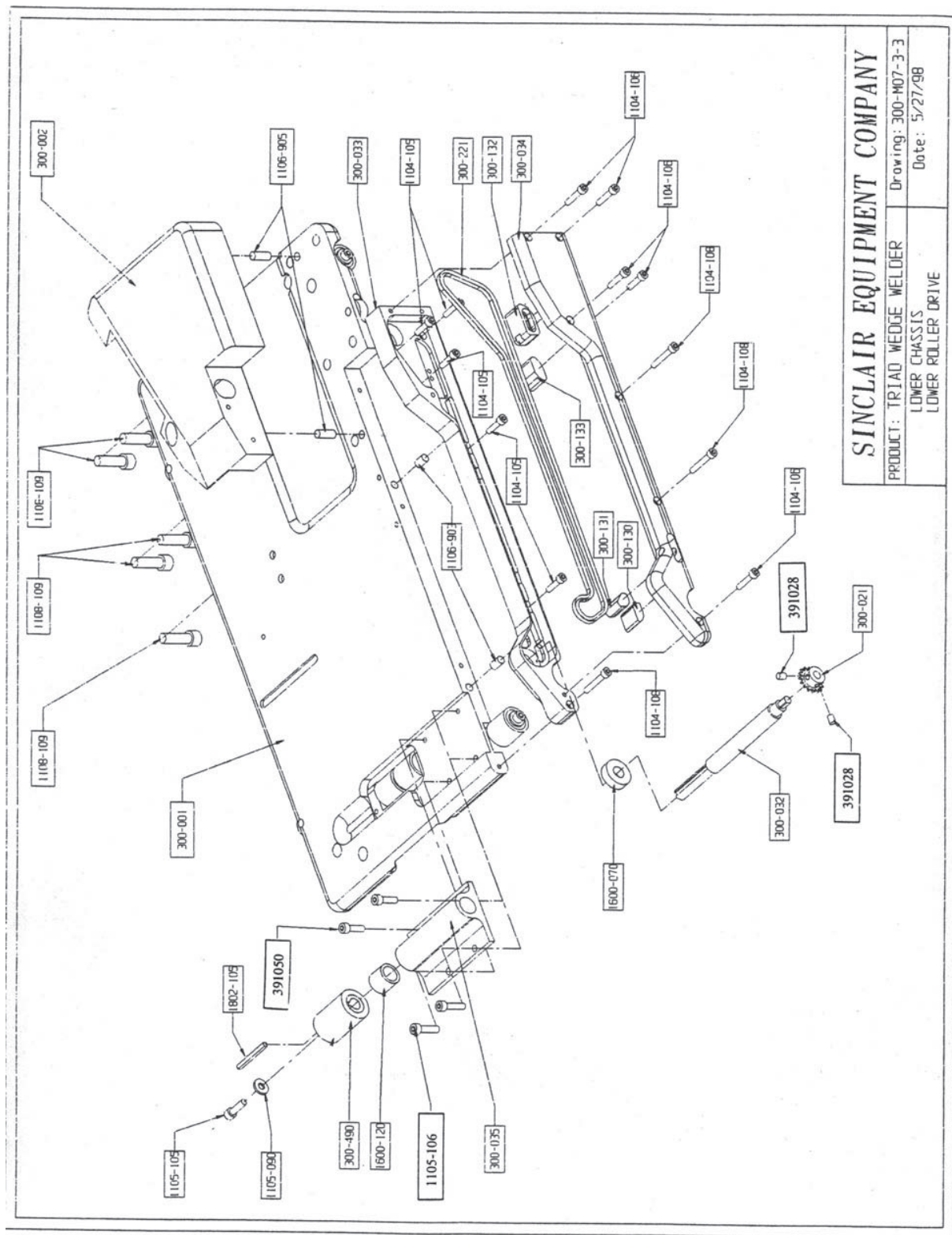
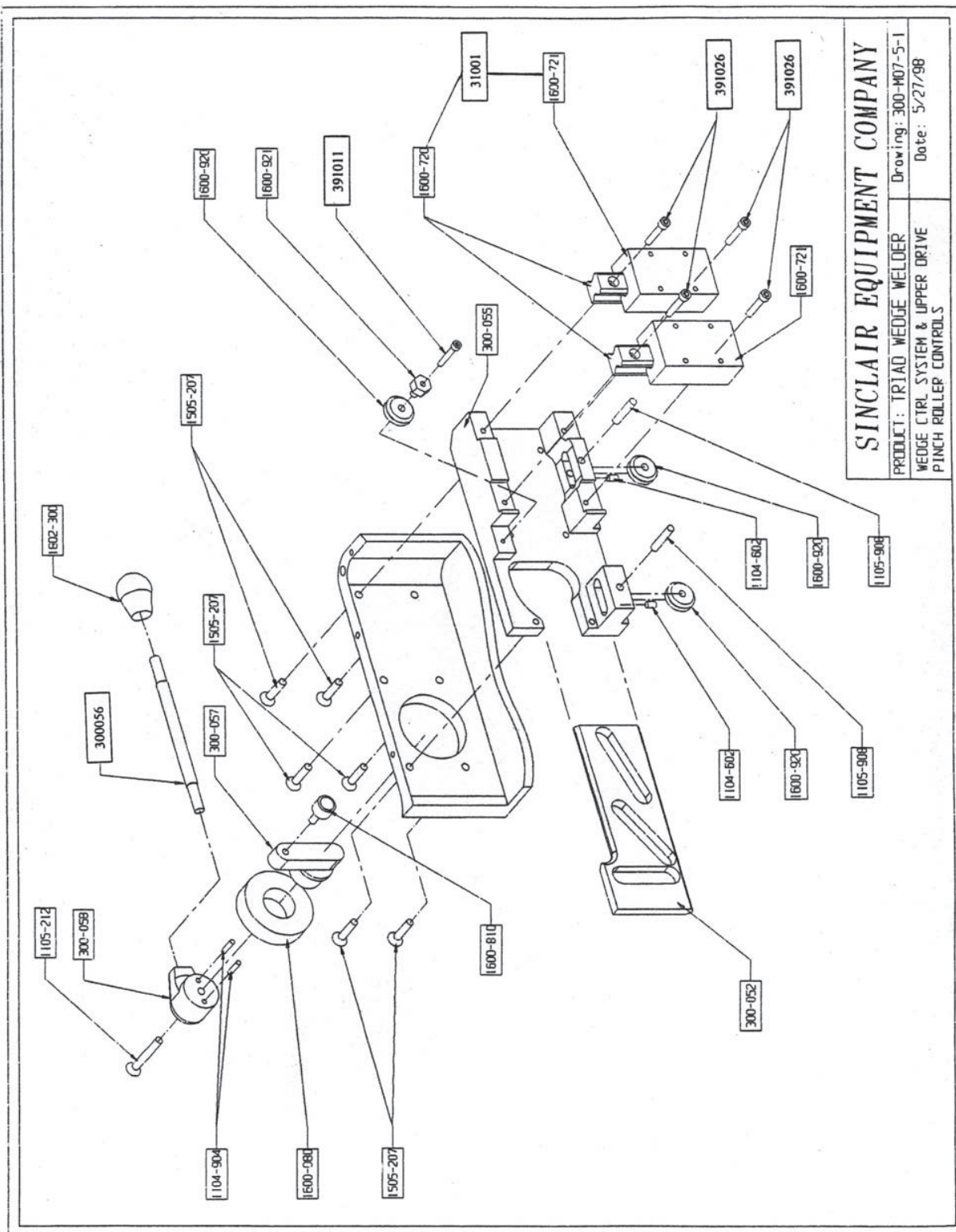
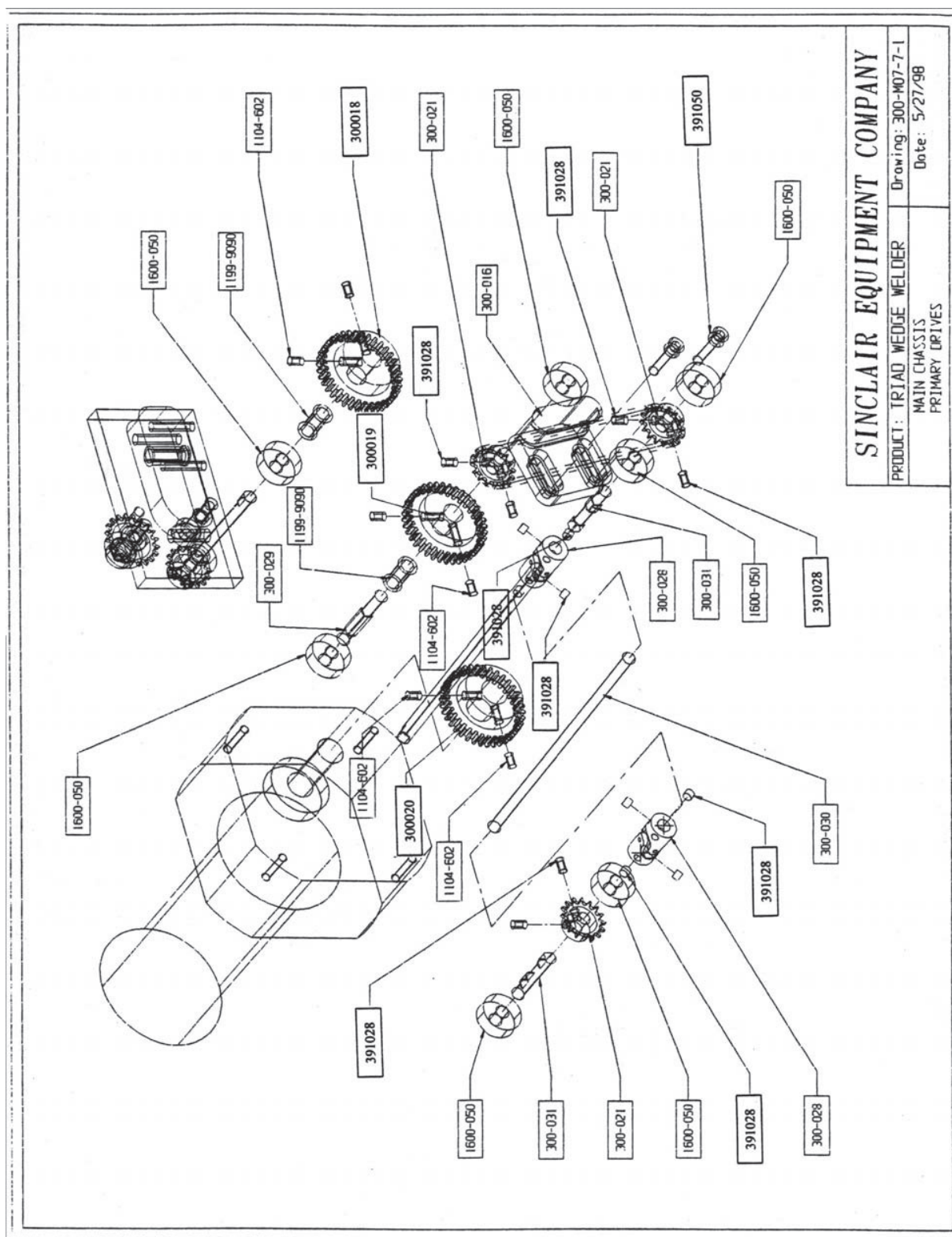
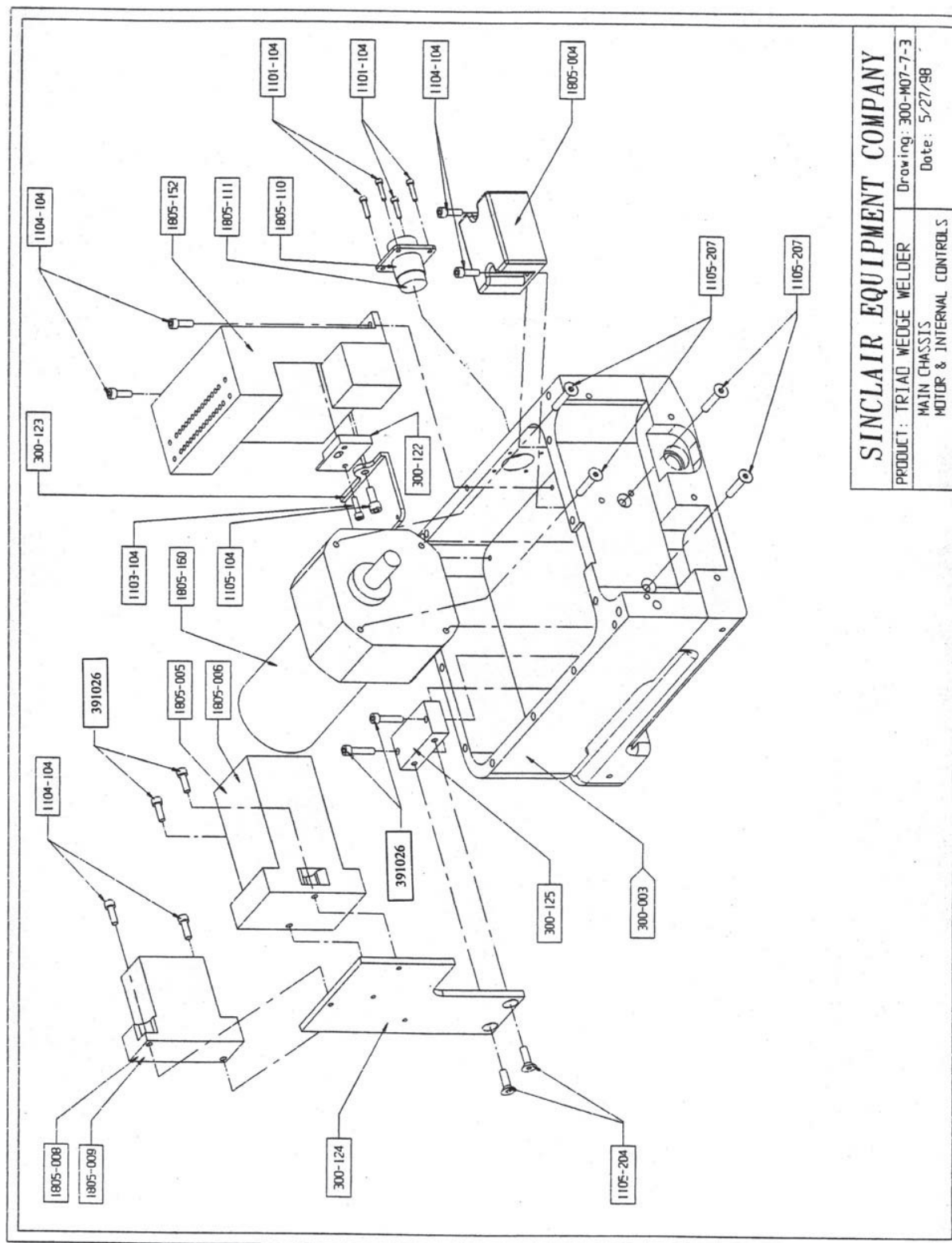










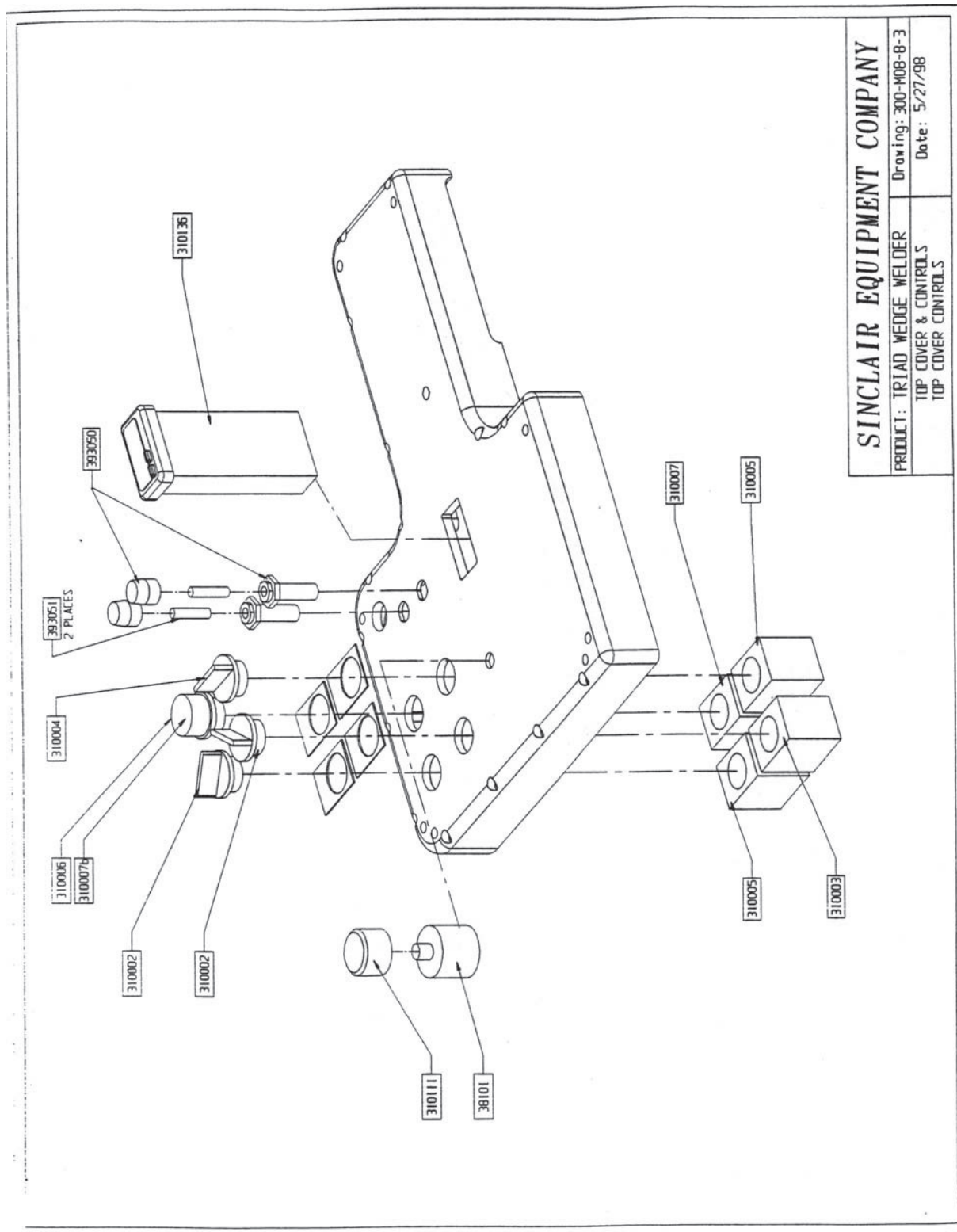
SINCLAIR EQUIPMENT COMPANY

PRODUCT: TRIAD WEDGE WELDER

Drawing: 300-M07-7-3

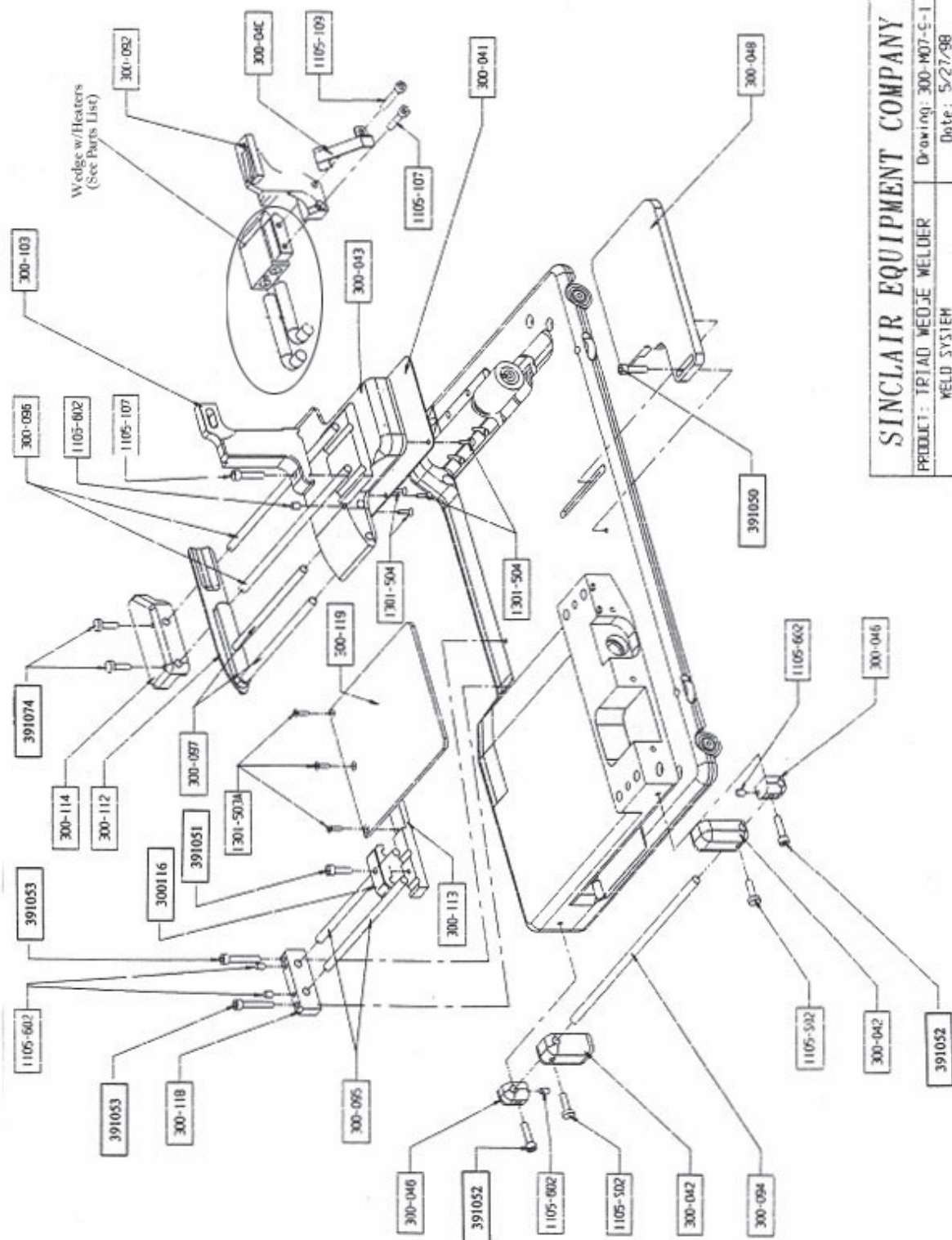
Date: 5/27/98

MAIN CHASSIS
MOTOR & INTERNAL CONTROLS



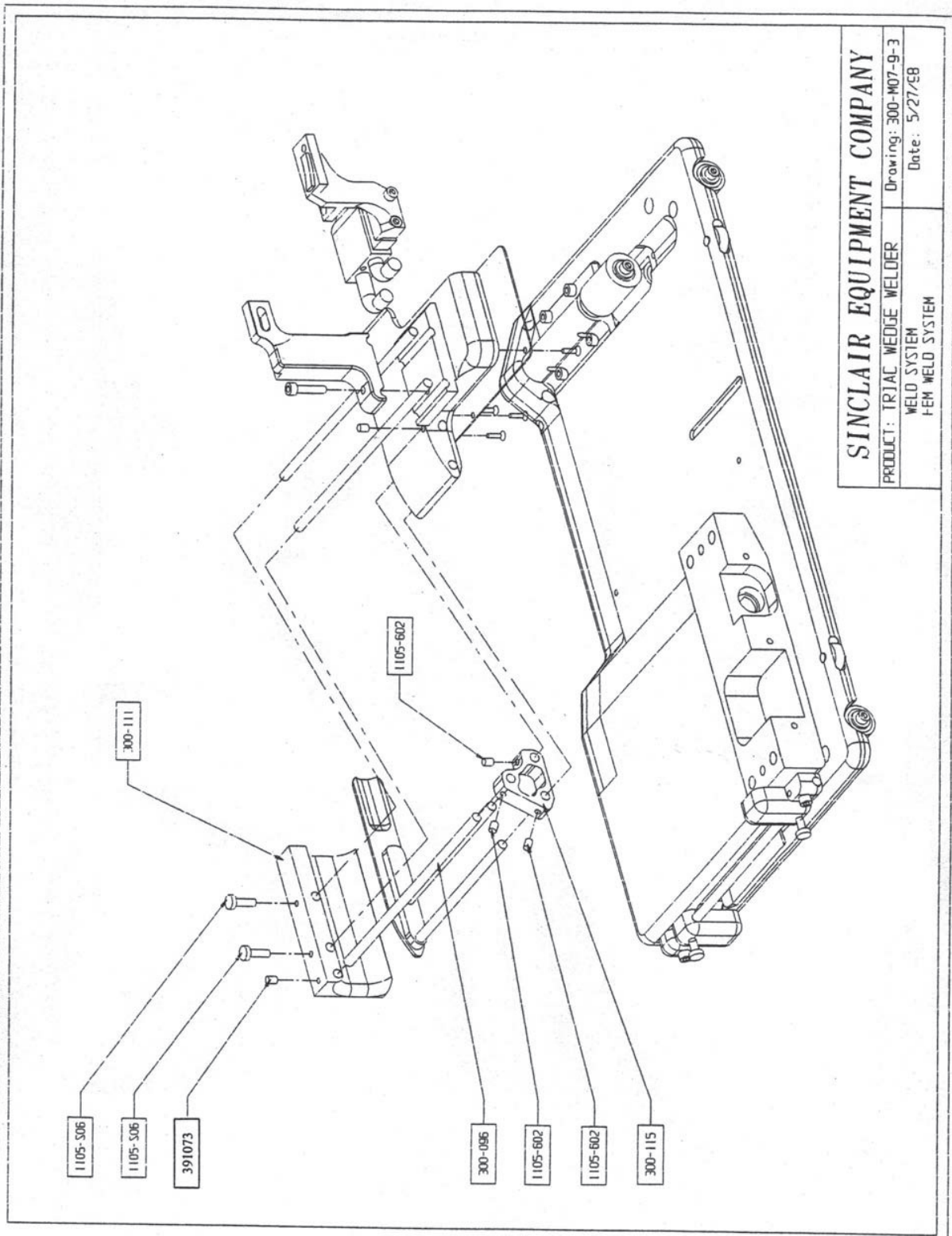
SINCLAIR EQUIPMENT COMPANY

PRODUCT: TRIAD WEDGE WELDER TOP COVER & CONTROLS	Drawing: 300-M08-8-3 Date: 5/27/98
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SINCLAIR EQUIPMENT COMPANY

PRODUCT: TRIAD WEDGE WELDER WELD SYSTEM LAP WELD SYSTEM & FIN.	Drawing: 300-M07-5-1 Date: 5/27/98
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SINCLAIR EQUIPMENT COMPANY

PRODUCT: TRIJAC WEDGE WELDER
 WELD SYSTEM
 FEM WELD SYSTEM

Drawing: 300-M07-9-3

Date: 5/27/88

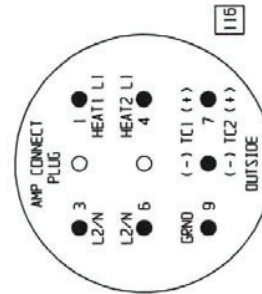
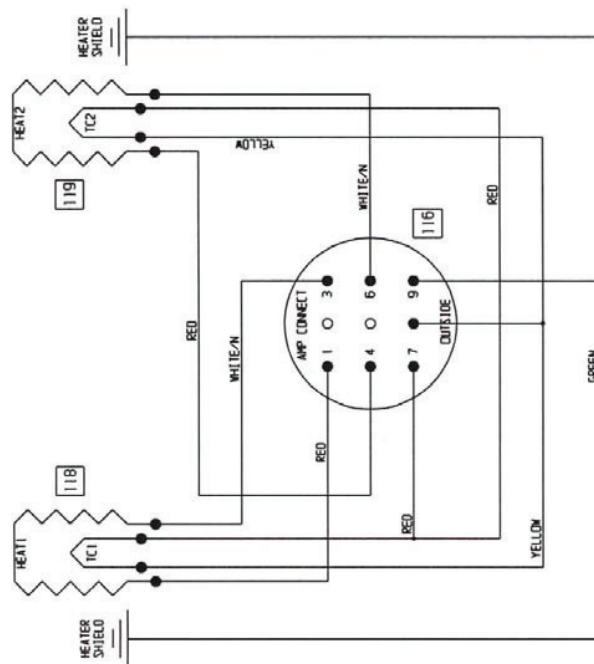


- SINCLAIR EQUIPMENT COMPANY

PRODUCT: TRIAD WEDGE WELDER	Drawing: 300-514	Pg1
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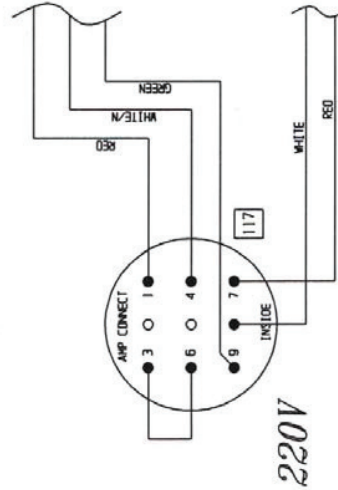
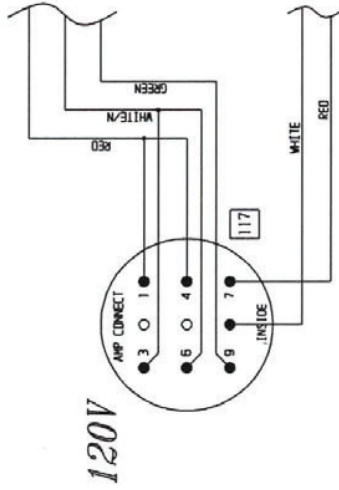
Date: 6/4/03

UP COVER - WIRING DETAIL
KBMG MTR / WATLOW 147 & 935 CTRLS



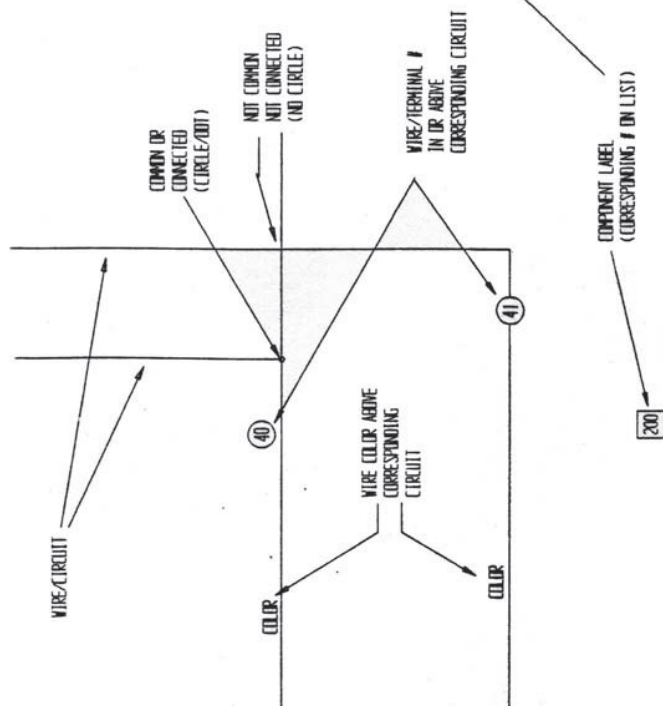
COMPONENT LIST:

- 116 A.H.P. CIRCULAR CONNECTOR PLUG
- 117 A.H.P. CIRCULAR CONNECTOR RECEPTACLE
- 118 SHORT HEATER
- 119 LONG HEATER



SINCLAIR EQUIPMENT COMPANY		
PRODUCT: TRIAD WEDGE WELDER	Drawing: 300-514	Pg3
WEDGE HEATER WIRING DETAIL (FOR 120V & 220V)		Date: 6/4/03

SCHEMATIC LEGEND/STANDARDS:



COMPONENT LIST:

- 100 FUSE HOLDER
- 101 INDICATOR LAMP GREEN
- 102 2POS SS DPDT
- 103 3POS SS 2SPST W/C
- 104 5K POTENTIOMETER
- 105 WATLOW TEMP CONTROLLER
- 106 STRAIN RELIEF
- 107 10 PT TERMINAL BLOCK
- 108 8 PT TERMINAL BLOCK
- 109 6 PT TERMINAL BLOCK
- 110 OMEGA TEMP CONTROLLER
- 111 OMEGA CONTACT RELAY DPST
- 112 REDLINE GEAR MOTOR
- 113 WATLOW SOLID STATE RELAY
- 114 KB ELECTRONICS MOTOR CONTROLLER
- 115 OMEGA LIMIT SWITCH SPST
- 116 A.H.P. CIRCULAR CONNECTOR 9PT

Schematic Pos. #	Description	Part #
1101-104	4-40 X1/4 SOC CAP STNLS	391000
1101-106	4-40 X1/2 SOC CAP STNLS	391001
1103-103	6-32 X1/4 SOC CAP ALLY	391010
1103-104	6-32 X1/4 BUTTON SOC ALLOY	391012
1103-107	6-32 X 3/4 SOC CAP STNLS	391014
1104-104	8-32 X 1/2 SOC CAP ALLOY	391025
1104-105	8-32 X 1/2 SOC CAP STNLS	391030
1104-106	8-32 X 5/8 SOC CAP STNLS	391031
1104-108	8-32 X1 SOC CAP STNLS	391033
1104-116	8-32 X 2 SOC CAP STNLS	391034
1104-602	8-32 X 1/4 SOC SET CUP ALLOY	391029
1104-904	1/8 X 1/2 DOWEL PIN STNLS	392012
1105-090	#10 FLAT WASHER (.437, 203, 062)	392025
1105-105	10-3 X 3/8 BUTTON SOC STNLS	391070
1105-108	10-32 X 1 SOC CAP STNLS	391053
1105-109	10-32 X 7/8 SOC CAP STNLS	391052
1105-114	10-32 X 7/8 SOC CAP STNLS	391054
1105-122	10-32 X 3/4 SOC CAP STNLS	391055
1105-204	10-32 X 2-3/4 SOC CAP ALLOY	391060
1105-205	10-32 X 5/8 FLAT SOC STNLS	391061
1105-207	10-32 X 1 FLAT SOC STNLS	391063
1105-208	10-32 x 7/8 FLAT SOC STNLS	391062
1105-212	10-32 X 1-1/2 FLAT SOC STNLS	391064
1105-390	10x32 HEX NUT STNLS	392020
1105-502/1105-506	10-32 X 1/2 THUMB SCREW SS 3/8 HEAD	391073
1105-602	10-32 X 1/4 BUTTON SOC STNLS	391071
1105-908	3/16 X 1-1/4 DOWEL PIN STNLS	392010
1106-070	1/4 FLAT WASHER SS (.500..265..032)	392026
1106-107	1/4 - 20 x 3/4 BUTTON SOC STNLS	391082
1106-406	1/4 - 20 X 3/4 SOC CAP STNLS	391080
1106-603	1/4-20 1/4 SOC SET BRASS TIP ALLOY	391085
1106-904/1106-905	1/4 X 5/8 DOWEL PIN STNLS	392007
1108-107/1108-109	3/16-18 X 7/8 SOC CAP ALLOY	391090
1108-110	5/16-18 X 1 SOC CAP ALLOY	391091
1108-924	3/8 X 3" SS DOWEL PIN	392000
1120-104	5/16 X 1/2 SHOULDER BOLT STNLS	392040
1199-9090	BORE RDCR IN/IN .37/.25	310133
1301-503A	4-40 X 5/16 FLAT SOC CAP	391003
1301-504	4-40 X 3/8 FLAT SOC STNLS	391002
1505-207	4-40 X 3/8 FLAT SOC STNLS	392063
1600-050	99R4A BEARING	310158

Schematic Pos. #	Description	Part #
1600-070	99R6 BEARING	310159
1600-080	99R14 BEARING	310160
1600-110	IDLER BEARING SCE57PP	320024
1600-120	ROLLER BEARING SCE 810PP	310128
1600-810	CRSB-8 CAM FOLLOWER	310157
1600-920	STAINLESS SEALED BEARINGS	310145
1600-921	STAINLESS STEEL BUSHING	310146
1802-100	10MM BALL METAL END FITTING M6	392056
1802-101	10MM BALL STUD 5/16" - 18" MALE THRD	392057
1802-103	1/4 "ODX1" LDTH COMPRES SPRING	392050
1802-105	11-8SS 1/8" KEY BAR STOCK	392080
1802-200	MIN SNAP SWITCH 5 AMPS	393060
1802-300	3/8 x 16 PLASTIC OVAL LEVEL KNOB	392075
1802-310/1802-201	FLEX LTF 1/2" NPT BLK CONNECTOR	310173
1802-400	8 1/4" - 1/4 20 A-3 HANDLE	310149
1802-401	5 3/4" - 1/4 20 HANDLE	310148
1802-402	3" 20 A-3 HANDLE	310147
1804-056	BASE W/1 N.O.	310003
1804-057	3-POS SWITCH THROW	310004
1804-058	GREEN PTT LIGHT LENSE	310006
1804-063	2-POS SWITCH THROW	310002
1805-001	1/32 DIN TEMP CONTROL	310136
1805-004	SOLID STATE RELAY	310162
1805-005	OMRON 1 POLE RELAY	310155
1805-005	OMRON RELAY 1 240V	310155-240
1805-006	OMRON CONTROLLER BASE	310009
1805-008	OMRON 1 POLE RELAY	310155
1805-008	OMRON RELAY 1 240V	310155-240
1805-009	OMRON RELAY BASE	310156
1805-100	FUSE HOLDER	393050
1805-110	RECEPTICAL 9 PIN	310140
1805-111	SOCKET 24-20 AWG	310143
1805-150	SPEED CONTROL POTENTIOMETER	310110A
1805-151	KNOB DIAL KIT	310111
1805-152	MOTOR CONTROLLER ASSEMBLY 110V	38101
1805-152	MOTOR CONTROLLER ASSEMBLY 240V	38101.2
310109	MOTOR CONTROL NEW STYLE (SPECIFY VOLTAGE)	310109
1805-160	BODINE GEAR MOTOR 159	310129
300001	THK LM GUIDE/1 BRG BLK/ON RAIL	300001
300003	CHASSIS MOTOR HOUSING	300003
300004	CHASSIS MOTOR CONTROL HOUSING	300004
300005	CHASSIS CONTROLLER HOUSING-TOP COVER	300005

Schematic Pos. #	Description	Part #
300006	CHASSIS PRIMARY DRIVE COVER	300006
300007	DRIVE WHEEL TRUNION ARM	300007
300008	FRONT IDLER WHEEL AXLE	300008
300009	FRT WHEEL AXLE MTS	300009
300010	RT REAR WHEEL AXLE MTS	300010
300011	LEFT REAR WHEEL AXLE MTS	300011
300013	REAR IDLER WHEEL AXLE	300013
300016	LOWER PRIMARY CHAIN TENSIONER	300016
300017	UPPER PRIMARY CHAIN IDLER SPROCKET	300017
300018	UPPER DRIVE GEAR	300018
300019	DRIVE GEAR LOWER	300019
300020	DRIVE GEAR MAIN	300020
300021	SPROCKET STD .1475 PITCH X 16 TOOTH	300021
300022	UPPER ROLER LAYSHAFT	300022
300023	UPPER ROLLER PRIMARY SHAFT	300023
300024	UPPER ROLLER FINAL DRIVE SHAFT	300024
300025	UPPER ROLLER LAYSHAFT SUPPORT	300025
300026	UPPER PRIMARY CHAIN TENSIONER PLUNGER	300026
300027	UPPER PRIMARY CHAIN TENSIONER	300027
300028	U-JOINT STD	300028
300029	LOWER ROLLER LAYSHAFT	300029
300030	LOWER ROLLER PRIMARY MAIN SHAFT	300030
300031	LOWER ROLLER PRIMARY STUB SHAFT	300031
300032	LOWER FINAL DRIVE SHAFT	300032
300033	LOWER FINAL CHAIN HOUSING	300033
300034	LOWER FINAL CHAIN HOUSING COVER	300034
300035	LOWER FINAL DRIVE SHAFT HOUSING	300035
300040	WEDGE HEATER LEAD BRACKET	300040
300041	WEDGE HOUSING BOTTOM COVER	300041
300042	FRONT MATERIAL GUIDE	300042
300043	WEDGE HOUSING	300043
300046	FRONT MATERIAL GUIDE RETAINER MT	300046
300048	LOWER FIN WELD GUIDE	300048
300052	PINCH/WEDGE DRIVE PLATE	300052
300055	PINCH/WEDGE DRIVE PLATE HOUSING	300055
300056	PINCH/WEDGE ENGAGE ARM SHAFT	300056
300057	PINCH/WEDGE DRIVE ARM SPINDLE	300057
300058	PINCH/WEDGE DRIVE ARM HUB	300058
300070	PINCH ROLLER ARM	300070
300071	UPPER CHAIN COVER	300071
300072	UPPER ROLLER ARM LIFT MT	300072
300076	UPPER FINAL CHAIN TENSION BLOCK	300076
300077	UPPER FINAL CHAIN RUB-BLK	300077
300078	STOP TENSION ROLLER TEN ADJ	300078
300079	WEDGE HEIGHT ADJUSTER	300079
300080	WEDGE PIVOT SHAFT	300080
300082	WEDGE PIVOT LINEAR HOUSING	300082

Schematic Pos. #	Description	Part #
300083	WEDGE PIVOT HOUSING COVER	300083
300084	WEDGE PIVOT ARM SHAFT	300084
300085	WEDGE PIVOT ARM HUB	300085
300086	WEDGE TRAVEL/AUTO START CAM	300086
300088	WEDGE ANGLE ADJUSTER HUB	300088
300089	WEDGE TENSIONER UPPER MT	300089
300092	WEDGE MOUNT ARM	300092
300094	FRONT MATERIAL GUIDE RET ROD	300094
300095	LOWER LAP GUIDE RET ROD	300095
300096	HEM OUTER GUIDE RET ROD	300096
300097	HEM INNER GUIDE RET ROD	300097
300099	AUTO START SWITCH BRACKET	300099
300103	WEDGE HOUSING HANGER	300103
300111	HEM WELD OUTER GUIDE	300111
300112	HEM WELD INNER GUIDE	300112
300113	LOWER LAP GUIDE FRAME 5.0	300113
300114	UPPER LAP WELD GUIDE	300114
300115	INNER/OUTER HEM GUIDE LINK	300115
300118	LOWER LAP WELD GUIDE MT	300118
300119	LOWER LAP WELD GUIDE COVER 5.0	300119
300121	MTR CRTL RESISTOR MOUNT 110V	300121
300122	MTR CRTL SOLINOID MOUNT	300122
300123	MTR CRTL RESISTOR MOUNT 240V	300123
300124	OVER-TEMP CONTROL PANEL	300124
300125	OVER-TEMP CONTROL PANEL MT FT	300125
300130	LOWER FINAL CHAIN RUB BTM/REAR	300130
300131	LOWER FINAL CHAIN RUB TOP/REAR	300131
300132	LOWER FINAL CHAIN RUB BTM/FRONT	300132
300133	LOWER FINAL CHAIN RUB TOP/FRONT	300133
300152	HOT WEDGE 1.5 (STD)	300152
300220	LOWER PRIMARY CHAIN (10")	300220C
300221	LOWER FINAL CHAIN (26")	300221C
300222	UPPER FINAL CHAIN (17")	300222C
300223	UPPER PRIMARY CHAIN (13")	300223C
310001	THK LM GUIDE/1 BRG BLK/ON RAIL	310001
310002	2-POS SWITCH THROW	310002
310003	BASE W/1 N.O.	310003
310004	3-POS SWITCH THROW	310004
310005	BASE W/2 N.O. CONTACTS	310005
310006	GREEN PTT LIGHT LENSE	310006
310007B	PILOT LGT BASE (130 LAMP) 120V	310007B
310009	OMRON CONTROLLER BASE	310009
310111	SOCKER 24-20 AWG	310111
310124	1 13/16" BLK UNDER CARRIAGE ROLLER W/BRG	310124
310125	UNDER CARRIAGE ROLLER W/BRG	310125
310126	PRESSURE ROLLER SILICON (SEE "WITHOUT DRAWING")	
310128	ROLLER BEARING SCE 810PP	310128

Schematic Pos. #	Description	Part #
310129	BODINE GEAR MOTOR 159	310129
310133	BORE RDCR IN/IN .37/.25	310133
310135	.1475 CHAIN (sold by the inch)	310135
310136	1/32 DIN TEMP CONTROL	310136
310140	RECEPTICAL 9 PIN	310140
310143	FUSE HOLDER	310143
310145	STAINLESS SEALED BEARINGS	310145
310146	STAINLESS STEEL BUSHING	310146
310147	3" 20 A-3 HANDLE	310147
310148	5 3/4" - 1/4 20 HANDLE	310148
310149	8 1/4" - 1/4 20 A-3 HANDLE	310149
310155	OMRON 1 POLE RELAY	310155
310156	OMRON 1 POLE RELAY	310156
310157	CRSB-8 CAM FOLLOWER	310157
310158	99R4A BEARING	310158
310159	99R6 BEARING	310159
310160	99R14 BEARING	310160
310162	SOLID STATE RELAY	310162
310173	FLEX LTF 1/2" NPT BLK CONNECTOR	310173
320024	IDLER BEARING SCE57PP	320024
391000	4-40 X1/4 SOC CAP STNLS	391000
391001	4-40 X1/2 SOC CAP STNLS	391001
391002	4-40 X 3/8 FLAT SOC STNLS	391002
391003	4-40 X 5/16 FLAT SOC CAP	391003
391010	6-32 X1/4 SOC CAP ALLY	391010
391011	6-32 X 1 SOC CAP ALLOY	391011
391012	6-32 X1/4 BUTTON SOC ALLOY	391012
391014	6-32 X 3/4 SOC CAP STNLS	391014
391025	8-32 X 1/2 SOC CAP ALLOY	391025
391026	6-32 X 3/4 SOC CAP STNLS	391026
391027	8-32 X 3/8 SOC CAP ALLOY	391027
391028	8-32 X 1/8 SOC SET CAP ALLOY	391028
391029	8-32 X 1/4 SOC SET CUP ALLOY	391029
391030	8-32 X 1/2 SOC CAP STNLS	391030
391031	8-32 X 5/8 SOC CAP STNLS	391031
391033	8-32 X1 SOC CAP STNLS	391033
391034	8-32 X 2 SOC CAP STNLS	391034
391050	10-32 X 5/8 SOC CAP STNLS	391050
391051	10-32 X 3/4 SOC CAP STNLS	391051
391051	10-32 X 5/16 SOC CAP STNLS	391051
391052	10-32 X 7/8 SOC CAP STNLS	391052
391053	10-32 X 1 SOC CAP STNLS	391053
391054	10-32 X 7/8 SOC CAP STNLS	391054
391055	10-32 X 3/4 SOC CAP STNLS	391055
391060	10-32 X2 3/4 SOC CAP ALLOY	391060
391061	10-32 X 5/8 FLAT SOC STNLS	391061
391062	10-32 x 7/8 FLAT SOC STNLS	391062

Schematic Pos. #	Description	Part #
391063	10-32 X 1 FLAT SOC STNLS	391063
391064	10-32 X 1-1/2 FLAT SOC STNLS	391064
391070	10-3 X 3/8 BUTTON SOC STNLS	391070
391071	10-32 X 1/4 BUTTON SOC STNLS	391071
391072	10-32 X 1/4 SOC SET CUP STNLS	391072
391073	10-32 X 1/2 THUMB SCREW SS 3/8 HEAD	391073
391074	10-32 X 3/8 THUMB SCREW SS 7/16 HEAD	391074
391080	1/4 - 20 X 3/4 SOC CAP STNLS	391080
391081	1/4-20 X 1 SOC CAP STNLS	391081
391082	1/4 - 20 x 3/4 BUTTON SOC STNLS	391082
391085	1/4-20 1/4 SOC SET BRASS TIP ALLOY	391085
391090	3/16-18 X 7/8 SOC CAP ALLOY	391090
391091	5/16-18 X 1 SOC CAP ALLOY	391091
392000	3/8 X 3" SS DOWEL PIN	392000
392006	1/4 X 3/4 DOWEL PIN STNLS	392006
392007	1/4 X 5/8 DOWEL PIN STNLS	392007
392008	1/4 X 1/2 DOWEL PIN STNLS	392008
392010	3/16 X 1 1/4 DOWEL PIN STNLS	392010
392012	1/8 X 1/2 DOWEL PIN STNLS	392012
392020	10x32 HEX NUT STNLS	392020
392025	#10 FLAT WASHER (.437, .203, .062)	392025
392026	1/4 FLAT WASHER SS (.500, .265, .032)	392026
392040	5/16 X 1/2 SHOULDER BOLT STNLS	392040
392050	1/4 "ODX1" LDTH COMPRES SPRING	392050
392055	FIX FORCE GAS SPRING #20	392055
392056	10MM BALL METAL END FITTING M6	392056
392057	10MM BALL STUD 5/16" - 18" MALE THRD	392057
392075	3/8 x 16 PLASTIC OVAL LEVEL KNOB	392075
392078	3/8 - 16 X 2" KNURL HD DOG FT THUMB SCREW	392078
392080	11-8SS 1/8" KEY BAR STOCK	392080
393050	OMRON RELAY 1 240V	393050
393051	ELECT. CIRC. FUSE 250V 5AMP	393051

Without Drawing

310-126.1	1" (25mm) Silicon Roller (each)
310-126	1-1/2" (38mm) Silicon Roller (each)
310-1262	2" (51mm) Silicon Roller (each)
310-134	.1475 Master Link (each)
310-008	Overtemp Control 120V
310-136	Watlow 935 Controller (1/32 Din)
33-200	Triad Hex Key Set
39-2058	Safety Clip
39-3025	Aluminum Oxide Abrasive 1-1/2" x 12"
42-401A	Aluminum Brush
33-202	End User Care Package
38-180	Standard Wedge Housing

Wedges

Part #	Description
33-102	Hem Cord Wedge w/Heaters , 120V, 1" (25mm)
33-102.2	Hem Cord Wedge w/Heaters, 240V, 1" (25mm)
33-116	Wedge w/ Heaters, 120V/240V, 1/2" (13mm)
33-115	Wedge w/ Heaters, 120V/240V, 3/4" (19mm)
33-126	Wedge w/ Heaters, 120V/240V, 20mm
33-124	Wedge w/ Heaters, 120V/240V, 1" (25mm)
33-113	Wedge w/ Heaters, 120V/240V 1-1/4" (32mm)
33-123	Wedge w/ Heaters, 120V/240V, 1-1/2" (38mm)
33-117.5	Wedge w/ Heaters, 120V/240V, 1-1/2" Split (3/8" channel)
33-127	Wedge w/ Heaters, 120V/240V, 40mm
33-111	Wedge w/ Heaters, 120V/240V, 1-3/4" (44mm)
33-122	Wedge w/ Heaters, 120V/240V, 2" (51mm)
33-117	Wedge w/ Heaters, 120V/240V, 2 " Split (3/8" channel)
33-125	Wedge w/ Heaters, 120V, 3" (76mm)
33-125.2	Wedge w/ Heaters, 240V, 3" (76mm)