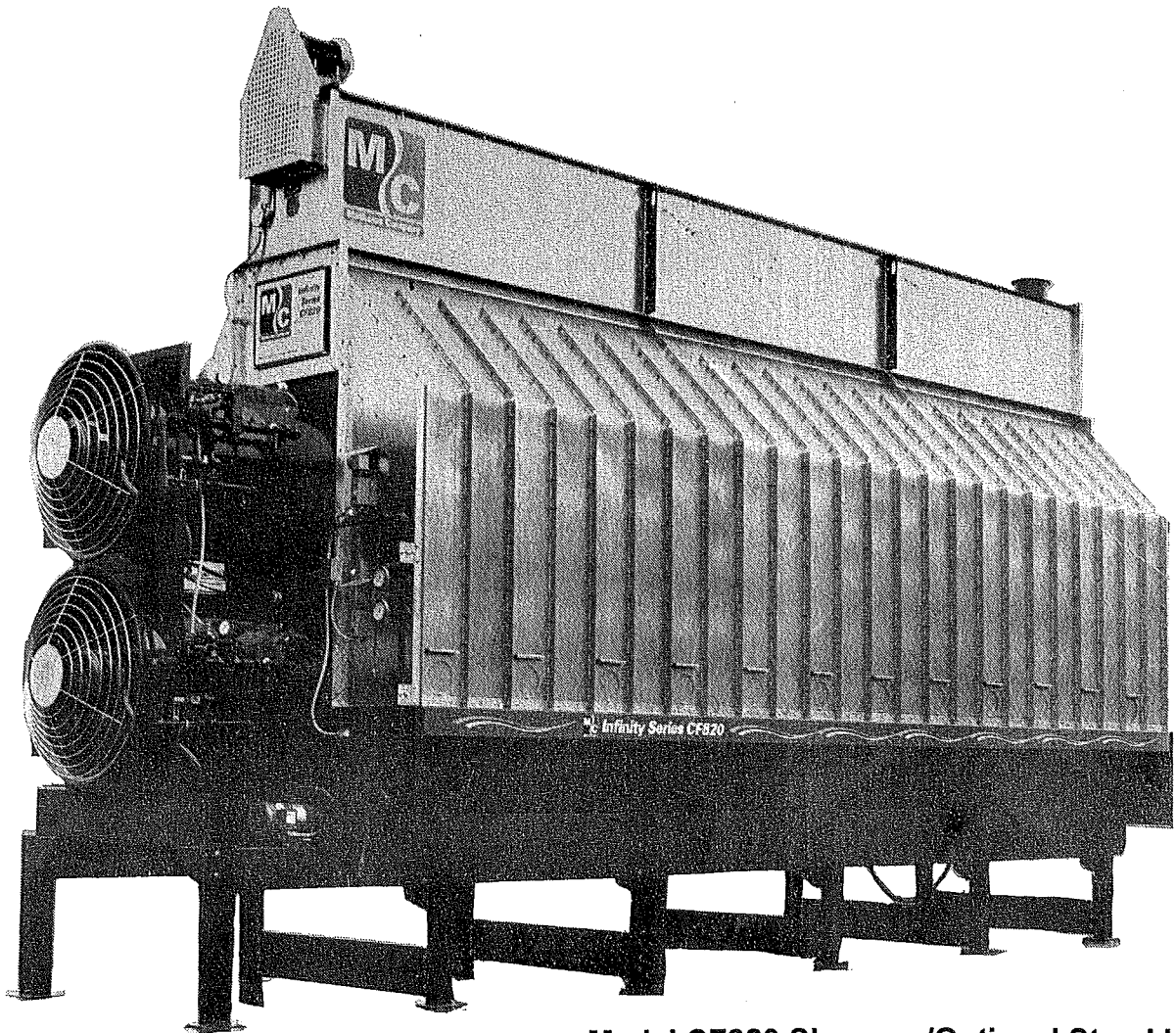




INFINITY SERIES
Models CF 320, 520, 620, 720 & 820
(EM and EMS)
Continuous Flow Grain Dryers
(Starting w/Serial No. 57373)



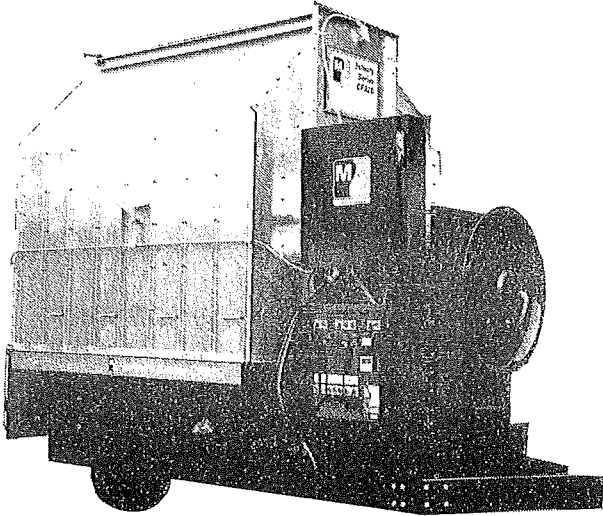
Model CF820 Shown w/Optional Stand Kit

PARTS CATALOG

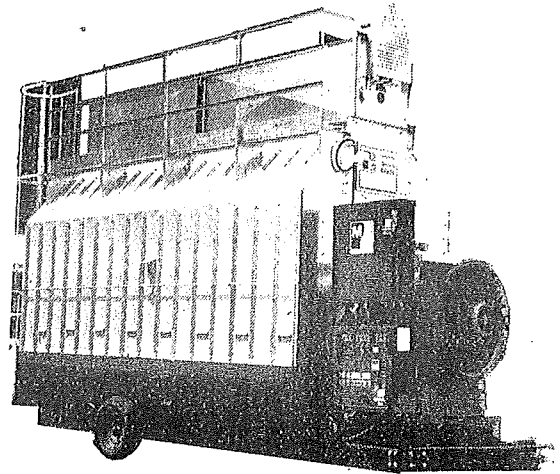
Form No. CF362 – May 2001

Mathews Company / 500 Industrial Avenue
P.O. Box 70, Crystal Lake, IL 60039-0070, U.S.A.
815/459-2210 FAX 815/459-5889
www.mathewscompany.com

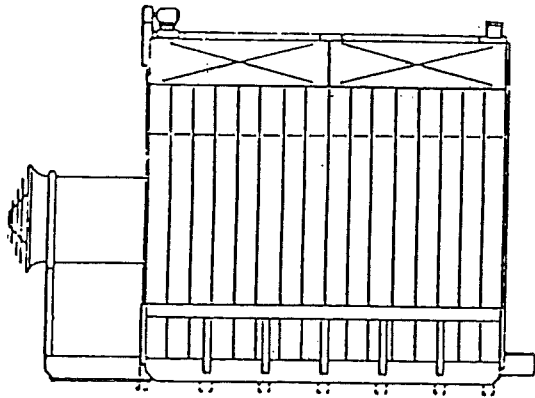
320



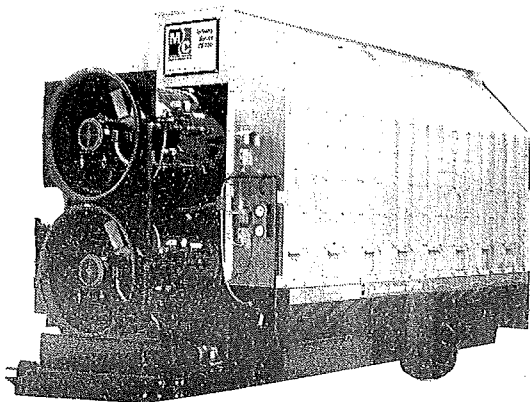
520 with Optional Walkway



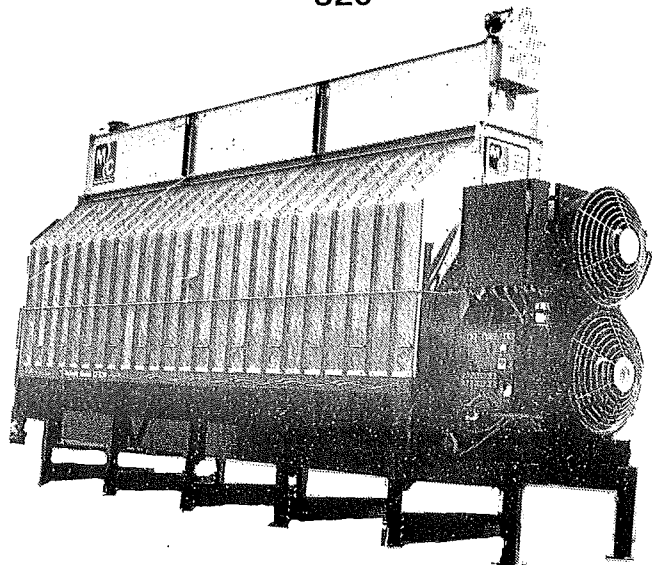
620



720



820



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NOTES

INTRODUCTION

Parts Ordering Instructions

1. Order parts from your local M-C Dealer or distributor.
2. Always furnish the Grain Dryer model and serial number. This information is stamped on the serial number plate.
3. When ordering parts be sure to furnish the part number, description and quantity required.

NOTE: Attaching hardware is listed (but not included) with the main part. It must be ordered separately.

4. Inspect all shipments upon receipt. If any packages and/or boxes are missing, or parts are damaged, file a claim with the carrier immediately. Failure to do so may void a claim. Check the shipment against the packing list carefully. Report any shortages to the shipper immediately.
5. Do not return any parts to the Mathews Company without a "Return Goods Authorization" from the factory. All return parts shipments must be shipped prepaid (COD shipments will not be accepted). Shipments must also include the following:
 - A. A letter of explanation including the "Return Goods Authorization Number," your name and address.
 - B. A list of all parts being returned. List must include part numbers, description, quantity, and original invoice number.

Model and Serial Number Location

The model and serial number of your Grain Dryer are stamped on a plate located on the left front base panel, see Figure 1. On earlier production dryers, the plate is on the dryer front end panel

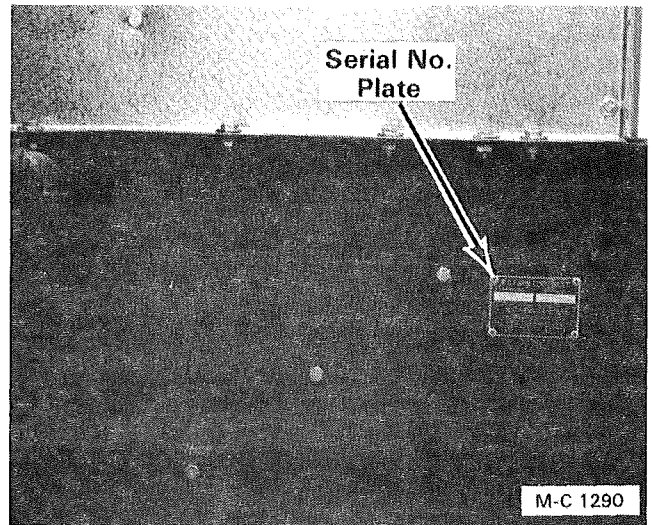


Figure 1

| M-C FARM EQUIPMENT | |
|----------------------|----------------------|
| MODEL NO. | SERIAL NO. |
| <input type="text"/> | <input type="text"/> |

Figure 2

just above the location shown in Figure 1. Record the model and serial number in the blank spaces in Figure 2.

Capscrew Grade Identification

There are four grades of hex-head capscrews. Grade 1 and 2 are common capscrews, grade 5 and 8 are used when greater strength is required. Each grade can be identified by the marking on the head of the capscrew, see chart below.

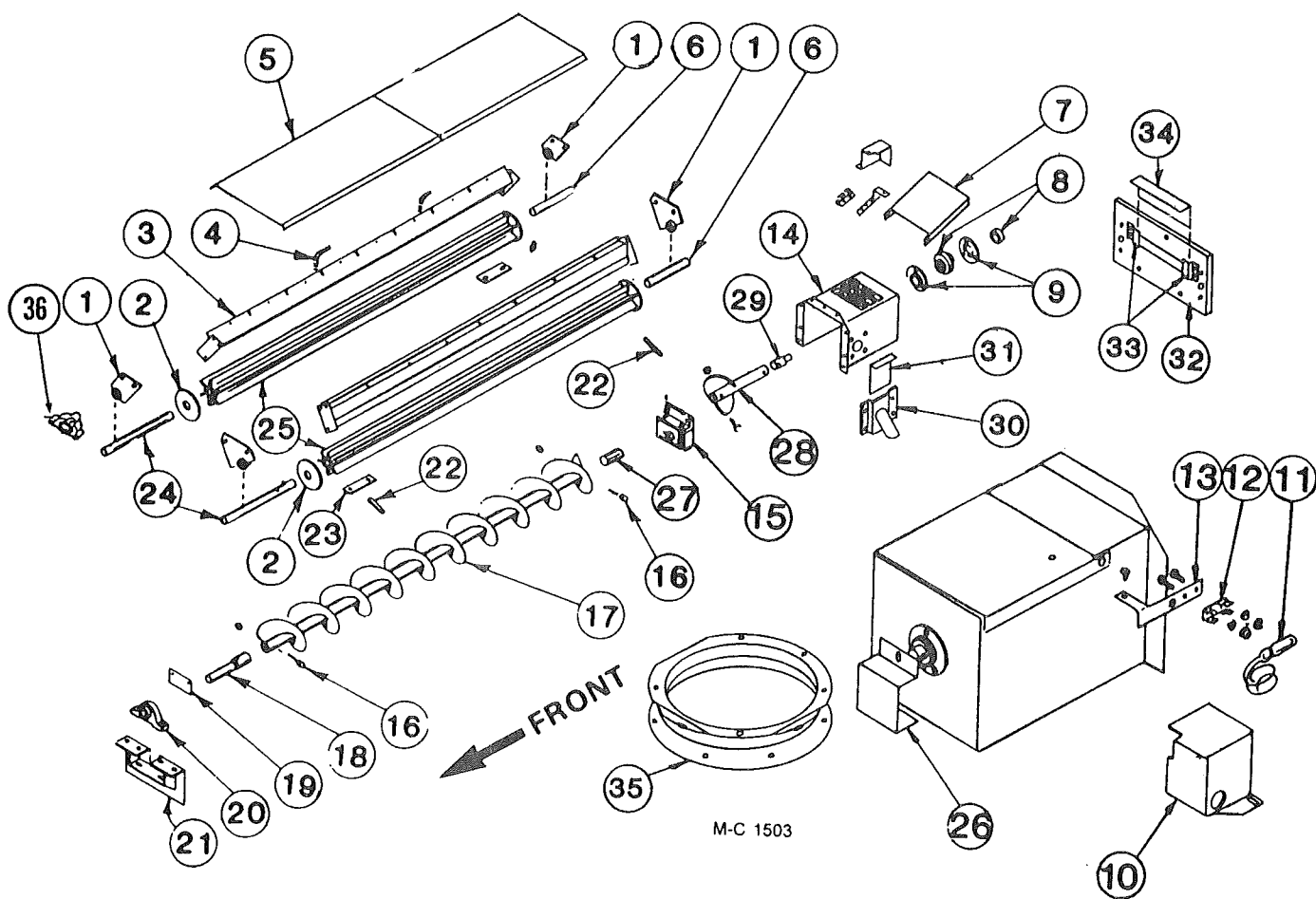
When replacing capscrews, be sure to use the correct size and grade. If a specific grade is not shown as part of the description, the capscrew is a grade 1 or 2.

CAPSCREW GRADE IDENTIFICATION CHART

| S.A.E. Grade | Description | Capscrew Head Marking* |
|--------------|---|------------------------|
| 1 | WILL HAVE A PLAIN HEAD - NO RADIAL LINES | |
| 2 | Low or Medium Carbon Steel Not Heat Treated | |
| 5 | WILL HAVE 3 RADIAL LINES Quenched and Tempered Medium Carbon Steel | |
| 8 | WILL HAVE 6 RADIAL LINES Quenched and Tempered Special Carbon or Alloy Steel | |

*The center marking identifies the capscrew manufacturer.

320 METERING ROLLS AND UNLOAD AUGER



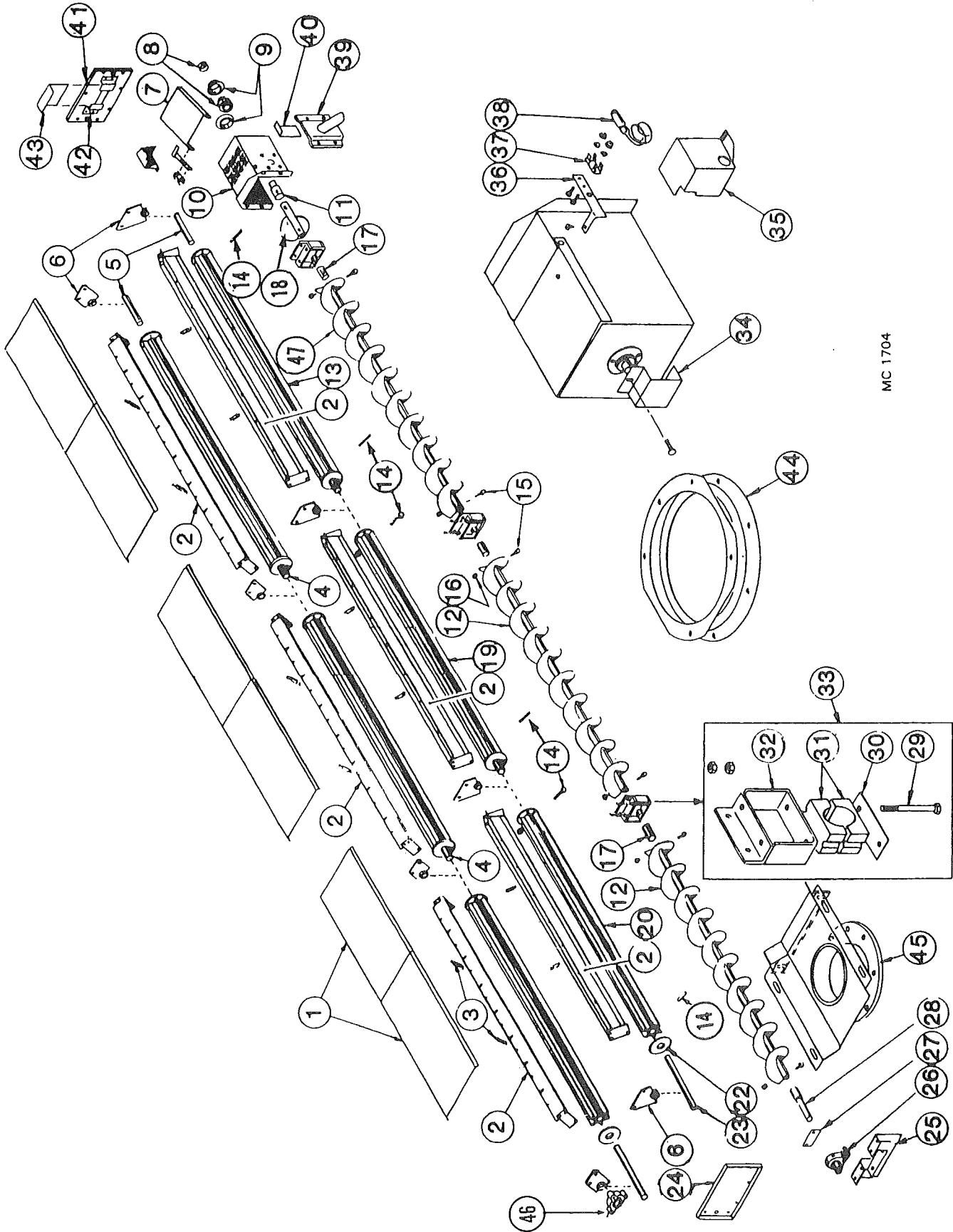
| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| 1 | 128 1063 | 4 | Metering Roll Bearing w/Bronze Bushing |
| | 001 8202 | 8 | 5/16-18 x 3/4" Hex Bolt |
| | 000 8169 | 8 | 5/16-18 Flanged Locknut |
| 2 | 121 4438 | AR | Metering Roll Washer - 11 Gauge |
| | 128 4970 | AR | Metering Roll Washer - 16 Gauge |
| 3 | 128 0350 | 2 | Inner Screen Mount |
| | 001 8202 | 12 | 5/16-18 x 3/4" Hex Bolt |
| | 000 8169 | 12 | 5/16-18 Flanged Locknut |
| 4 | 128 8958 | 4 | Support Rod (5/8"x4 5/8") |
| | 000 8173 | 4 | 5/16" Flatwasher |
| | 000 8168 | 12 | 5/16-16 Flanged Locknut |
| 5 | 128 2890 | 2 | Unload Auger Cover |
| | 001 8111 | 4 | 5/16-18 Clip Nut |
| | 001 8114 | 4 | 5/16-18 x 3/4" Wing Screw |
| | 000 8173 | 4 | 5/16" Flatwasher |

| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| 6 | 121 5042 | 2 | Metering Roll Stub Shaft (Rear) 1 1/4" x 5" (press fit in metering roll) |
| 7 | 128 4712 | 1 | Over Load Door |
| | 001 8210 | 2 | 5/8-16 x 3/4" Hex Bolt |
| | 000 8205 | 2 | 5/8-16 Top Lock Flanged Nut |
| 8 | 001 6003 | 1 | 1 1/4" Bearing w/Lock Collar |
| 9 | 001 6004 | 2 | 1 1/4" Bearing Flangette |
| | 001 8210 | 3 | 5/8-16 x 3/4" Hex Bolt |
| | 000 8168 | 3 | 5/8-16 Flanged Locknut |
| 10 | 128 4896 | 1 | Shut-Off Switch Cover |
| | 001 8284 | 2 | 5/16-12 x 1/2" Self-Tapping Screw |
| 11 | 120 6800 | 1 | Shut Off Switch |
| 12 | 120 6801 | 1 | Switch Mount Clip |
| | 000 8282 | 2 | 6-32 x 1/4" Machine Screw |
| | 000 8185 | 2 | 6-32 Flanged Locknut |

320 METERING ROLLS AND UNLOAD AUGER

| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 13 | 128 2937 | 1 | Switch Mount |
| 14 | 128 0345 | 1 | Unload Auger Discharge |
| | 001 8202 | 6 | 3/8-16 x 3/4" Hex Washer Head Bolt - Grd. 5 |
| | 000 8169 | 6 | 3/8-16 Flanged Locknut |
| 15 | 122 1007 | 1 | Unload Hanger Bearing Kit |
| 16 | 000 8229 | 8 | 3/8-16 x 2 3/4" Capscrew - Grd. 5 |
| | 000 8205 | 8 | Top-Lock Flange Nut |
| 17 | 128 0244 | 1 | Unload Auger (10") |
| 18 | 124 5610 | 1 | Unload Auger Input Shaft |
| 19 | 128 3008 | 1 | Front Seal Plate |
| | 000 8184 | 4 | 8-18 x 1/2" Sheet Metal Screw |
| 20 | 001 6011 | 1 | 1-7/16" Bore Pillow Block Bearing |
| | 001 8299 | 2 | 1/2"-13 x 1 3/4" Capscrew - Grd. 8 w/Nylock |
| | 001 8257 | 2 | 1/2" SAE Flatwasher |
| | 000 8163 | 2 | 1/2-13 Hex Nut |
| 21 | 128 0247 | 1 | Unload Auger Front Plate |
| | 001 8210 | 4 | 3/8-16 x 3/4" Hex Washer Head Bolt - Grd. 5 |
| | 000 8168 | 4 | 3/8-16 Flanged Locknut |
| 22 | 000 8259 | 2 | Roll Pin 5/16 x 1 3/4" |
| 23 | 121 2637 | 2 | Clean-Out Cover |
| | 000 8168 | 4 | 3/8-16 Flanged Locknut |
| 24 | 128 5054 | 2 | Metering Roll Shaft (Front) 1 1/4" x 7 1/2" (3.2x1.4cm.) |
| 25 | 128 1186 | 2 | Metering Roll Assembly (Incl. shafts) |
| 26 | 128 3011 | 1 | Stub Shaft Guard |
| 27 | 128 5618 | 1 | Unload Auger Link |
| 28 | 128 0309 | 1 | Standard Auger |
| 29 | 124 5611 | 1 | Unload Auger Output Shaft |
| 30 | 128 0341 | 1 | Grain Sampler |
| 31 | 128 2842 | 1 | Slide Gate Door - Sampler |
| 32 | 128 2954 | 1 | Base Panel Access Door w/Slot |
| 33 | 128 2885 | 2 | Access Door Bracket |
| 34 | 128 2887 | 1 | Access Door Slot Cover |
| 35 | 128 0343 | 1 | Discharge Ring (10") |
| 36 | 001 6010 | 2 | 1 1/4" (31.8mm.) 3 Bolt Flange Bearing SN#57386 and Up |

CF520, 620, 720, & 820 Metering Rolls and Unload Auger



MC 1704

CF520, 620, 720, & 820
Metering Rolls and Unload Auger

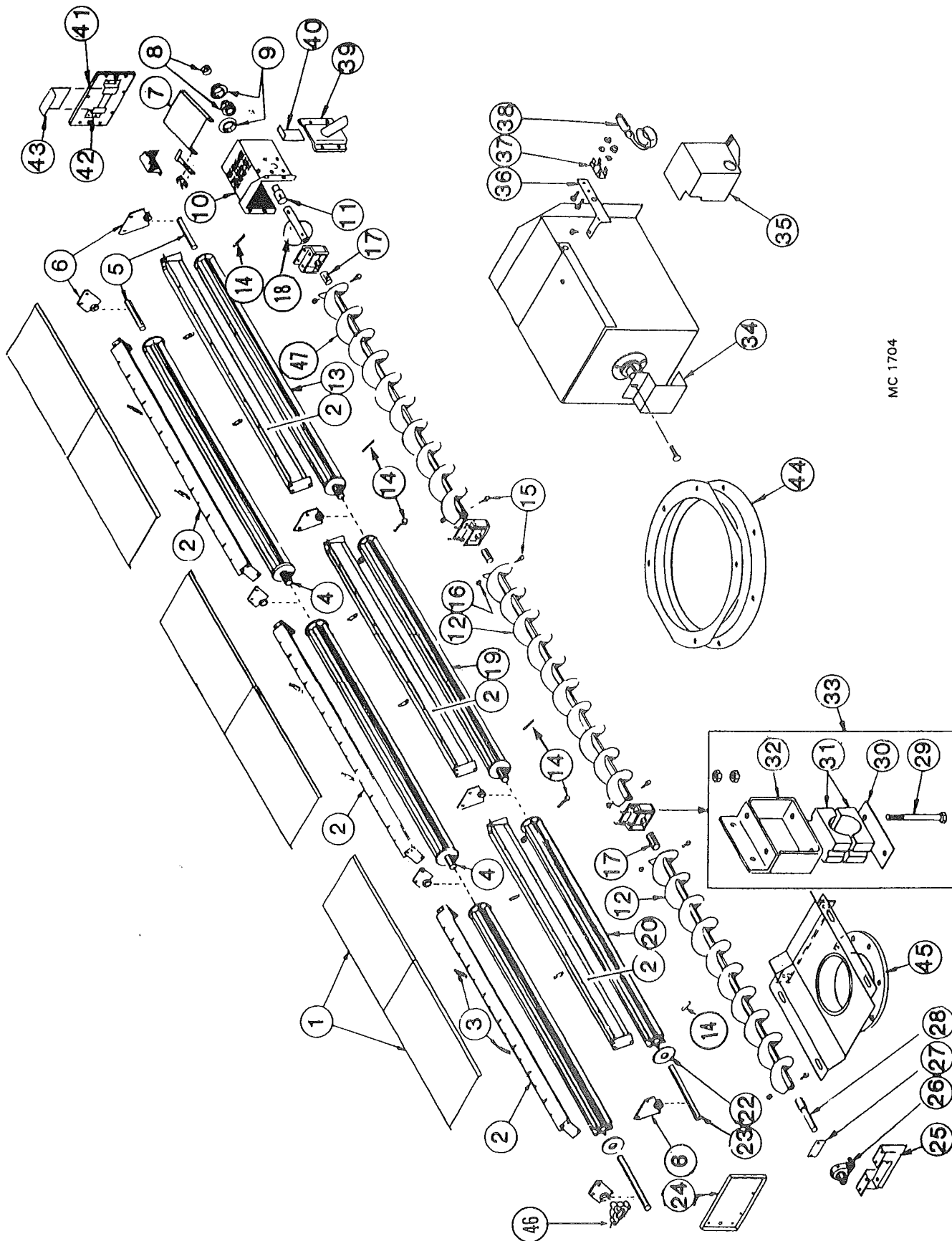
16 ft. 24 ft.
(4.9m) (7.3m)

16 ft. 24 ft.
(4.9m) (7.3m)

| Ref. | Part No. | Qty. | Description | Ref. | Part No. | Qty. | Description |
|------|----------|------|--|---|----------|------|--|
| 1 | 128 2890 | 4 | Unload Auger Cover | 11 | 124 5611 | 1 | Unload Auger Output Shaft (Front Unload - See Note 1) |
| | 001 8111 | 8 | 5/16-18 (7.9mm) Clip Nut | 12 | 128 0244 | 1 | Front & Center Unload Auger Section 10" (25.4cm) -See Note 2 |
| | 001 3114 | 8 | 5/16-18x $\frac{3}{4}$ " (7.9x19mm) Wing Screw | 13 | 121 1082 | 2 | Rear Metering Roll Assembly (incl. shafts) |
| | 000 8173 | 8 | 5/16" (7.9mm) Flatwasher | 14 | 000 8114 | 8 | 5/16-18x $2\frac{1}{2}$ " (7.9x63.5mm) Capscrew |
| 2 | 128 0350 | 4 | Inner Screen Mount | | 000 8222 | 8 | 5/16" (7.9mm) Lockwasher |
| | 001 8202 | 18 | 5/16-18 x $\frac{3}{4}$ " (7.9 x 19mm) Hex Washer Head Bolt | 15 | 000 8159 | 8 | 5/16-18 (7.9mm) Hex Nut |
| | 000 8169 | 18 | 5/16-18 (7.9mm) Flanged Locknut | | 000 8229 | 8 | $\frac{3}{8}$ -16 X $2\frac{3}{4}$ " (9.5 x 70mm) Capscrew- Grd.5 |
| 3 | 128 8958 | 8 | Support Rod $\frac{3}{8}$ "x $4\frac{3}{4}$ " (9.5 x 111mm) | 16 | 000 8205 | 8 | $\frac{3}{8}$ " (9.5mm) Top Lock Flanged Nut |
| | 000 8173 | 8 | 5/16" (7.9mm) Flatwasher | 17 | 128 5618 | 2 | Unload Auger Link |
| | 000 8168 | 24 | $\frac{3}{8}$ -16 (9.5mm) Flanged Locknut | 18 | 128 0309 | 1 | Standard Auger Weld |
| 4 | 121 5043 | 2 | Rear & Center Metering Roll Shaft - 1 $\frac{1}{4}$ " x 7" (3.2 x 17.8cm) | 19 | 121 1083 | - | Center Metering Roll Assembly (incl. shafts) |
| 5 | 121 5042 | 2 | Rear Metering Roll Stub Shaft - 1 $\frac{1}{4}$ " x 5" (3.2 x 12.7cm) | 20 | 128 1254 | 2 | Front Metering Roll Assembly (incl. shafts) |
| 6 | 128 1063 | 6 | Metering Roll Brg. w/Bronze Bushing | 22 | 121 4438 | AR | Metering Roll Washer - 11 Gauge |
| | 001 8202 | 12 | 5/16-18 x $\frac{3}{4}$ " (7.9 x 19mm) Hex Washer Head Bolt | | 128 4970 | AR | Metering Roll Washer - 16 Gauge |
| 7 | 000 8169 | 12 | 5/16-18 (7.9mm) Flanged Locknut | 23 | 128 5054 | 2 | Front Metering Roll Shaft - 1 $\frac{1}{4}$ " x 7 $\frac{1}{2}$ " (3.18 x 18.4cm) |
| | 128 4712 | 1 | Over Load Door | 24 | 128 2894 | 1 | Base Panel Access Door - 17 $\frac{1}{2}$ " x 10 $\frac{1}{2}$ " (44.5 x 27cm) |
| | 001 8210 | 2 | $\frac{3}{8}$ -16 x $\frac{3}{4}$ " (9.5 x 19mm) Hex Washer Head Bolt | | 001 8284 | 14 | 5/16-12 x $\frac{1}{2}$ " (7.9 x 12.7mm) Self Tapping Screw |
| 8 | 000 8205 | 2 | $\frac{3}{8}$ -16 (9.5mm) Top Lock Flanged Nut | 25 | 128 0247 | 1 | Unload Auger Front Plate |
| | 001 6003 | 1 | 1 $\frac{1}{4}$ " (31.75mm) Bearing w/Lock Collar | | 001 8210 | 4 | $\frac{3}{8}$ -16 x $\frac{3}{4}$ " (9.5 x 19mm) Hex Washer Head Bolt |
| 9 | 001 6004 | 2 | 1 $\frac{1}{4}$ " (31.75mm) Bearing Flangette | | 000 8168 | 4 | $\frac{3}{8}$ -16 (9.5mm) Flanged Locknut |
| | 001 8269 | 3 | $\frac{3}{8}$ -16 x 1" (9.5 x 25.4mm) Carriage Bolt | NOTE 1: Dryers w/Front Unload - Ref. 10 use 127 4431 and Ref. 11 use 128 5994 output shaft. | | | |
| | 000 8168 | 3 | $\frac{3}{8}$ -16 (9.5mm) Flanged Locknut | NOTE 2: Unload Auger Sections 10" (25.4cm) up to Serial #54014, use the following: 128 0243 Front 128 0245 Rear 128 0244 Center | | | |
| 10 | 128 0345 | 1 | Unload Auger Discharge Round (Front Unload. - See Note 1) | | | | |
| | 001 8210 | 6 | $\frac{3}{8}$ -16 x $\frac{3}{4}$ " (9.5 x 19mm) Hex Washer Head Bolt | | | | |
| | 000 8205 | 6 | $\frac{3}{8}$ -16 (9.5mm) Top Lock Flanged Nut | | | | |

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CF520, 620, 720, & 820 Metering Rolls and Unload Auger



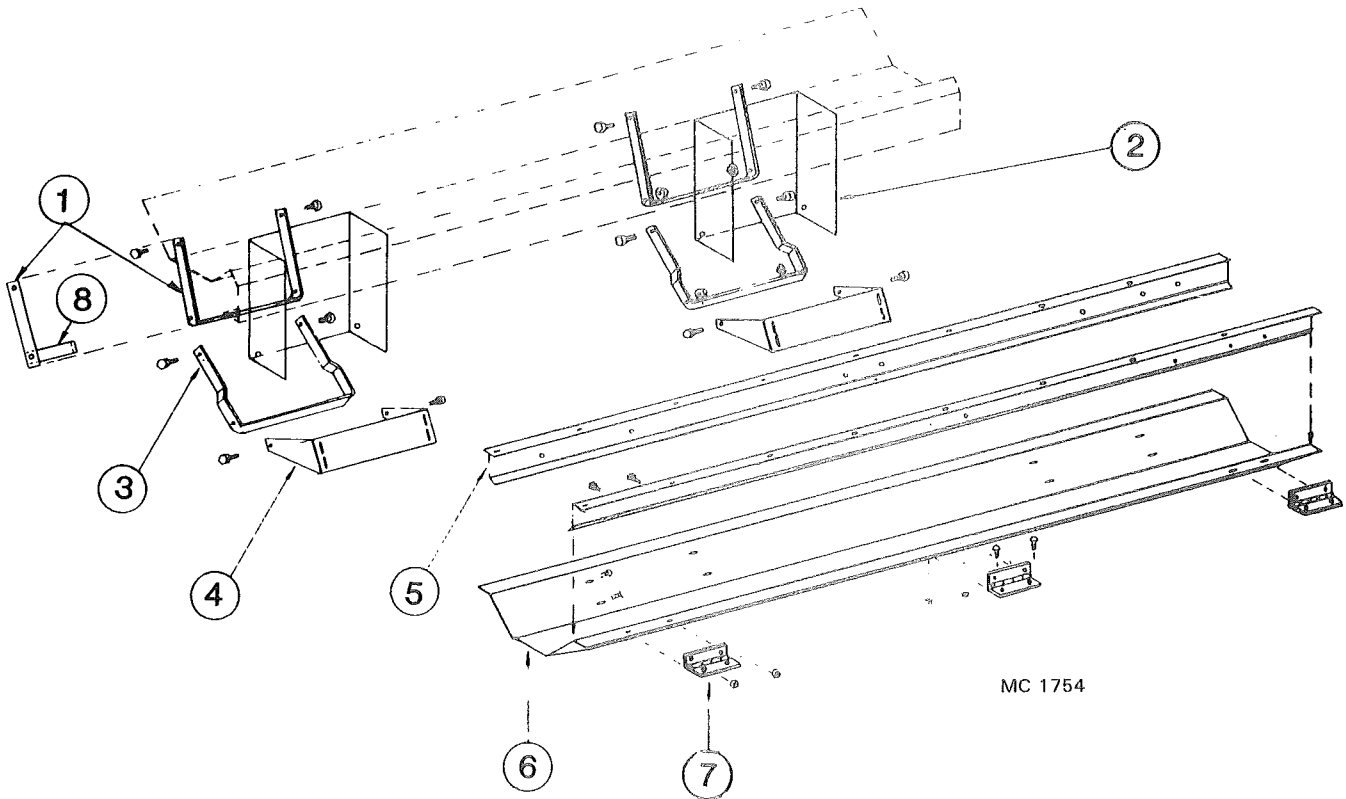
MC 1704

CF520, 620, 720, & 820
Metering Rolls and Unload Auger

16 ft. 24 ft.
(4.9m) (7.3m)

| Ref.Part No. | Qty. | Qty. | Description |
|--------------|----------|------|---|
| 26 | 001 6011 | 1 | 1-7/16" (36.5mm) Bore Pillow Block Bearing |
| | 001 8299 | 2 | ½-13 x 1 ¼" (12.7 x 44.5mm) Capscrew-Grd. 8 w/Nylock |
| | 001 8257 | 2 | ½" (12.7mm) SAE Flatwasher |
| | 000 8163 | 2 | ½-13 (12.7mm) Hex Nut |
| 27 | 128 3008 | 1 | Front Seal Plate |
| | 000 8184 | 4 | 8-18 x ½" (12.7mm) Sheet Metal Screw |
| 28 | 124 5610 | 1 | Unload Auger Input Shaft |
| 29 | 001 8168 | 4 | ½-13 x 4 ½" (12.7 x 114.3mm) Capscrew - Grd. 5 |
| | 000 8163 | 8 | ½-13 (12.7mm) Hex Nut |
| 30 | 128 0285 | 2 | Unload Auger Support Weld |
| 31 | 128 6020 | 2 | Wood Bearing 1-15/16" (49.2mm) (2 Halves) |
| 32 | 128 0287 | 2 | Unload Auger Bearing Bracket |
| | 000 8137 | 4 | ½-13 x 1 ¼" (12.7 x 31.75mm) Capscrew - Grd. 5 |
| | 000 8180 | 4 | ½" (12.7mm) Lockwasher |
| | 000 8163 | 4 | ½-13 (12.7mm) Hex Nut |
| 33 | 122 1007 | 2 | Unload Auger Bearing Kit (Incl. Ref. 30 thru 33 in quantities required for one bearing) |
| 34 | 128 3011 | 1 | Output Shaft Guard |
| 35 | 128 4896 | 1 | Shut Off Switch Cover |
| | 001 8284 | 2 | 5/16-12 x ½" (7.9 x 12.7mm) Self-Tapping Screw |
| 36 | 128 2937 | 1 | Switch Mount |
| 37 | 120 6801 | 1 | Switch Mount Clip |
| | 000 8282 | 2 | 6-32 x ¼" (6.35mm) Machine Screw |
| | 000 8185 | 2 | 6-32 Flanged Locknut |
| 38 | 120 6800 | 1 | Shut Off Switch |
| 39 | 128 0341 | 1 | Grain Sampler |
| 40 | 128 2842 | 1 | Slide Gate Door - Sampler |
| 41 | 128 2954 | 1 | Base Panel Access Door w/Slot |
| 42 | 128 2885 | 2 | Access Door Bracket |
| 43 | 128 2887 | 1 | Access Door Slot Cover |
| 44 | 128 0343 | 1 | Discharge Ring 10" (25.4cm) |
| 45 | 128 0331 | 1 | 10" (25.4cm) Front Unload Weldment (Optional Kit #127 9119) |
| 46 | 001 6016 | 2 | 1 ½" (31.8mm) 3 Bolt Flange Bearing S/N #57386 & Up |
| 47 | 128 0351 | 1 | Rear Unload Auger Section 10" (25.4cm) w/Monitor Cut-Out |

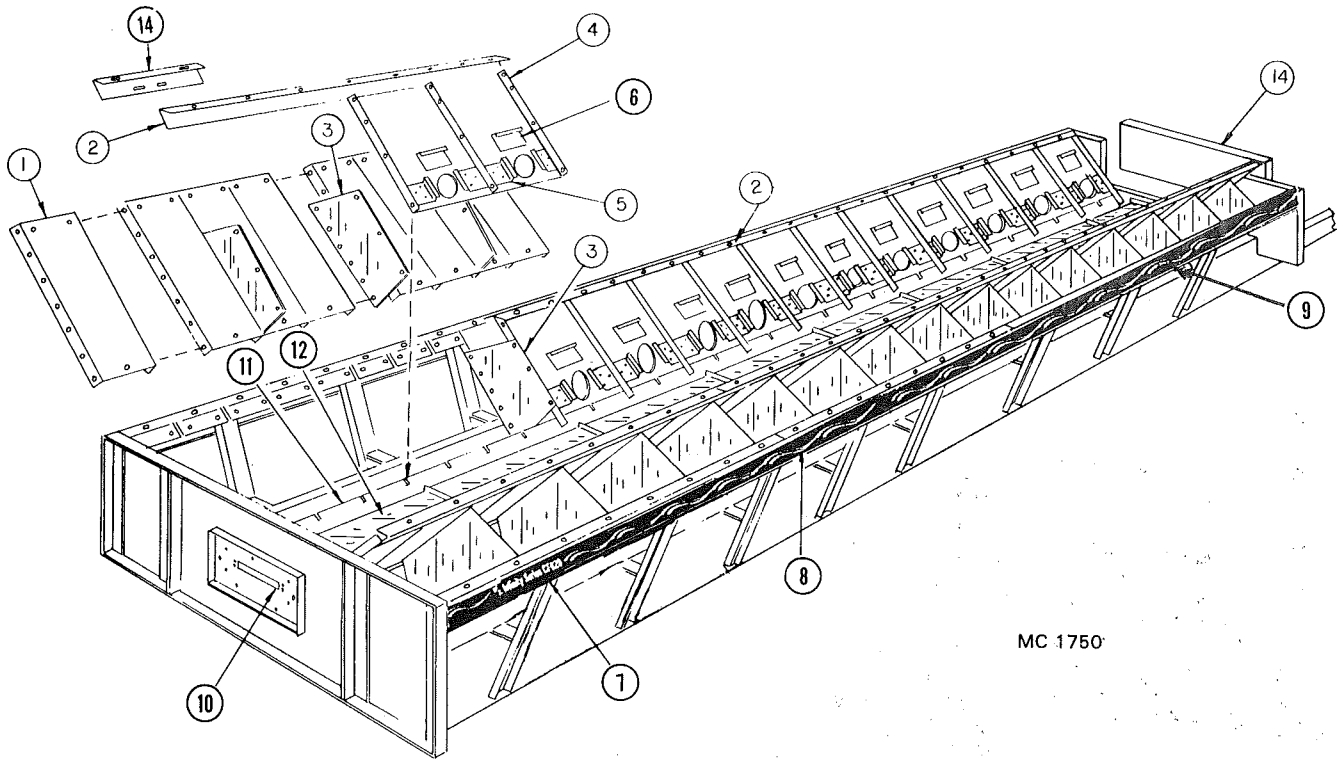
UNLOAD AUGER PANS



2 WARNING DECAL
MOUNTS ON SIDE
OF BRACKET

| Ref. | Part No. | 8 ft. 16 ft. 24 ft. (24.m) (4.9m) (7.3m) | | | Description |
|------|----------|---|------|------|----------------------------------|
| | | Qty. | Qty. | Qty. | |
| 1 | 128 2029 | 2 | 4 | 6 | Auger Dump Arm – Upper |
| 2 | 128 8355 | 2 | 4 | 6 | Warning Decal (not shown) |
| 3 | 138 2030 | 2 | 4 | 6 | Auger Dump Arm – Lower |
| 4 | 128 2751 | 2 | 4 | 6 | Bottom Link Pivot Base |
| 5 | 128 2673 | 2 | 4 | 6 | Pan Hinge Angle |
| 6 | 128 2752 | – | 1 | 2 | Front & Center Auger Dump Pan |
| | 128 0354 | 1 | 1 | 1 | Rear Auger Pan w/Monitor Cut-Out |
| | 128 3015 | 1 | 1 | 1 | Monitor Cut-Out Seal Plate |
| | 128 2769 | 2 | 2 | 2 | Sensor Mount Bracket |
| 7 | 128 8957 | 3 | 6 | 9 | Hinge |
| 8 | 128 2032 | 2 | 4 | 6 | Auger Dump Arm Handle |

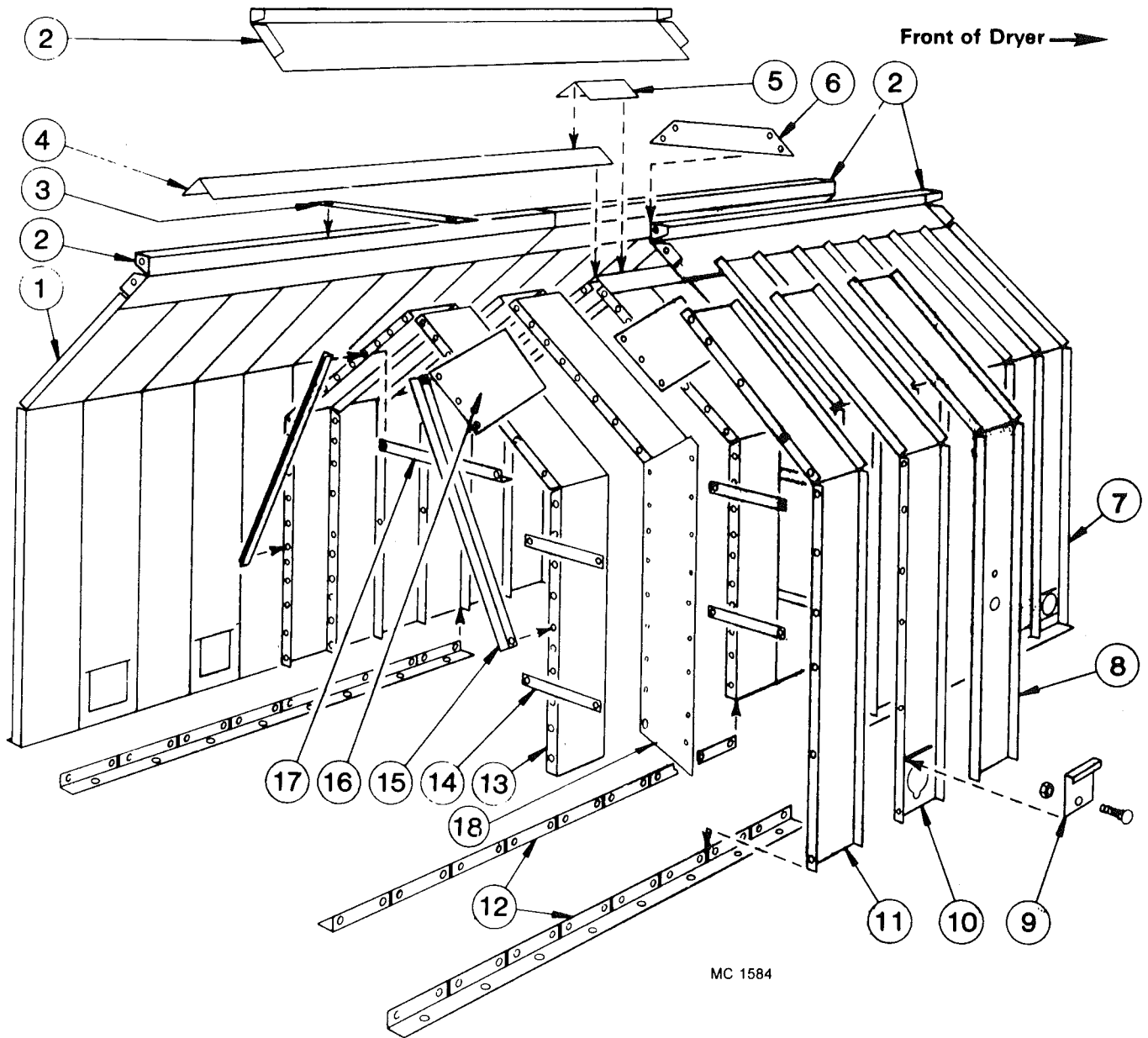
BASE SECTION LOWER SCREENS



MC 1750

| Ref. | Part No. | 8 ft. 16 ft. 24 ft. | | | Description | Ref. | Part No. | 8 ft. 16 ft. 24 ft. | | | Description |
|------|----------|---------------------|------|------|-------------------------------------|------|----------|---------------------|--------|--------|-------------------------------|
| | | Qty. | Qty. | Qty. | | | | (2.4m) | (4.9m) | (7.3m) | |
| 1 | ----- | - | - | - | Lower Outer Screen | 10 | 128 2954 | 1 | 1 | 1 | Base Panel Access Door w/Slot |
| | 123 5215 | 16 | 32 | 48 | Standard Aluminum - 3/32" | | 001 8284 | 7 | 7 | 7 | 5/16-18x1/2" (7.9 x12.7mm) |
| | 127 2945 | 16 | 32 | 48 | Small Seed (Galv.) - 1/16" | | | | | | Self-Tapping Screw |
| | 123 5320 | 16 | 32 | 48 | Stainless - 3/32" | 11 | 128 0350 | 2 | 4 | 6 | Inner Screen Mount |
| 2 | 128 2739 | 2 | 4 | 6 | Lower Screen Mount Angle | | 001 8202 | 12 | 18 | 24 | 5/16-18 x 3/4" (7.9x19mm) |
| 3 | 128 2855 | 6 | 14 | 22 | Lower Screen Stiffener | | | | | | Hex Washer Head Bolt |
| 4 | ----- | - | - | - | Lower Inner Slope Screen | | 000 8169 | 12 | 18 | 24 | 5/16-18 (7.9mm) Flanged |
| | | | | | w/Clean-Out - 24"(61cm) wide | | | | | | Locknut |
| | 124 2000 | 8 | 16 | 24 | Standard Galvanized - 3/32" | 12 | 128 2890 | 2 | 4 | 6 | Unload Auger Cover |
| | 124 2001 | 8 | 16 | 24 | Small Seed (Galv.) -1/16" | | 001 8111 | 4 | 8 | 12 | 5/16-18 (7.9mm) Clip Nut |
| 5 | 124 2866 | 16 | 32 | 48 | Slope Door Retainer | | 001 8114 | 4 | 8 | 12 | 5/16-18 x 3/4" (7.9 x |
| | 000 8244 | 48 | 96 | 144 | 8-18 x 1/2" (12.7mm) Hex | | | | | | 19mm) Wing Screw |
| | | | | | Head Sheet Screw | | 000 8173 | 4 | 8 | 12 | 5/16" Flatwasher |
| 6 | 128 3003 | 8 | 16 | 24 | Slope Door | 13 | 128 4570 | 1 | 1 | 1 | Base Filler Panel-37x13 1/2" |
| 7 | ----- | - | - | - | Banner w/Model Decal 96"(244cm) | | 001 8209 | 12 | 12 | 12 | 3/8-16 x 1" (9.5 x 25.4mm) |
| | 124 8314 | 2 | - | - | "320" Decal | | | | | | Hex Washer Head Bolt Grd. 5 |
| | 124 8315 | - | 2 | - | "520" Decal | | 000 8168 | 12 | 12 | 12 | 3/8-16 Flanged Locknut |
| | 124 8316 | - | 2 | - | "620" Decal | 14 | 129 3070 | - | 2 | 4 | Seal Angle |
| | 124 8317 | - | 2 | - | "720" Decal | | | | | | |
| | 124 8318 | - | - | 2 | "820" Decal | | | | | | |
| 8 | 124 8319 | - | 2 | 2 | Banner Stripe Decal 96" (244cm) | | | | | | |
| | | | | | 520, 620, 720, & 820 | | | | | | |
| 9 | 124 8321 | - | - | 2 | Banner Stripe Decal 99" (251cm) | | | | | | |
| | | | | | 820 | | | | | | |

UPPER SCREENS



MC 1584

UPPER SCREENS

8 ft. 16 ft. 24 ft.
(2.4m) (4.9m) (7.3m)

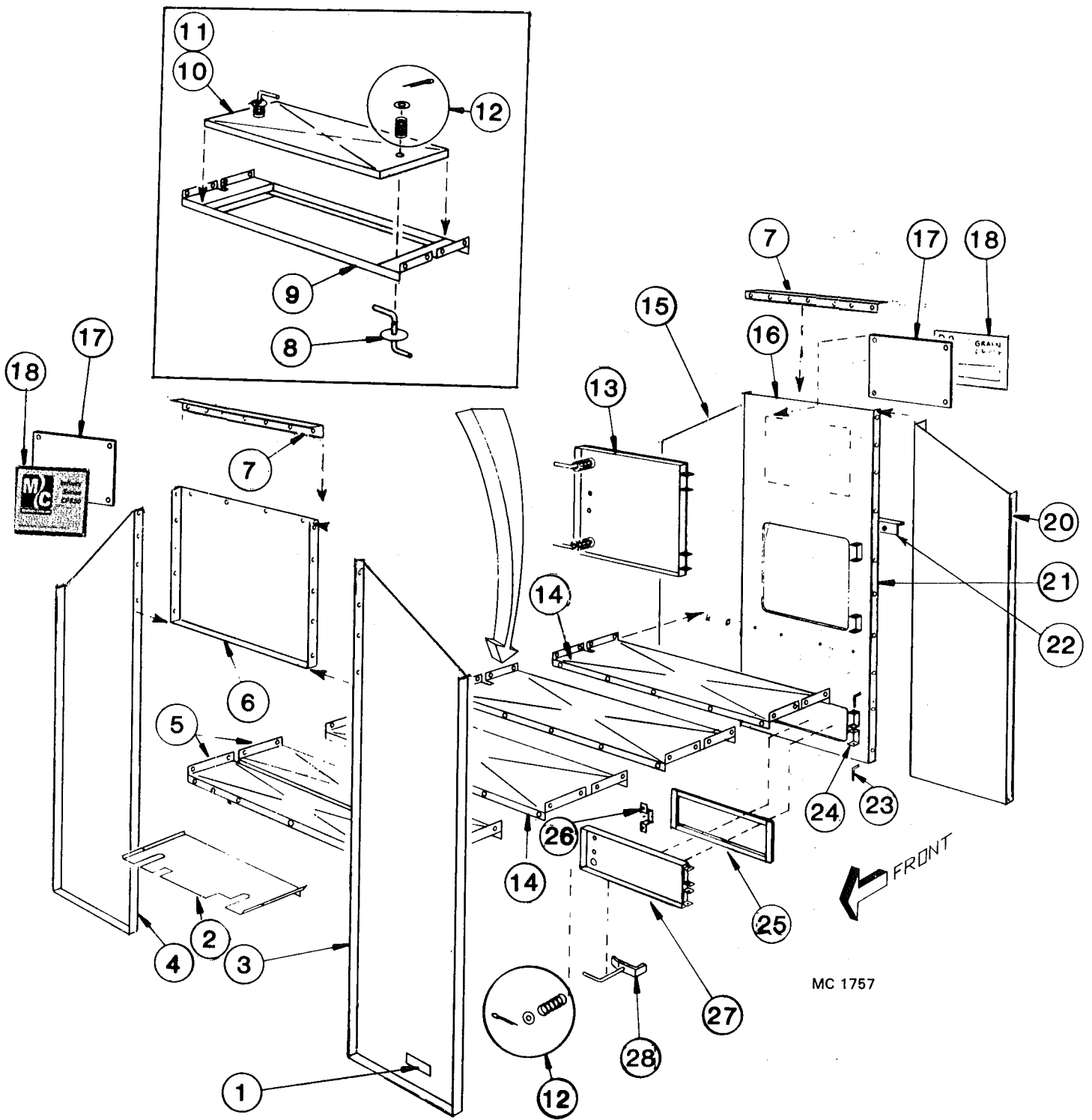
| Ref. | Part No. | Qty. | Qty. | Qty. | Description |
|------|----------|------|------|------|--|
| 1 | ----- | - | - | - | Outer End Screen w/o Quick Drain |
| | 021 2946 | 2 | 2 | 2 | Standard (Galvanized) 3/32" (2.38mm) Holes |
| | 127 2967 | 2 | 2 | 2 | Small Seed (Galvanized) 1/16" (1.59mm) Holes |
| | 123 5213 | 2 | 2 | 2 | Aluminum 3/32" - .094" Holes |
| 2 | 129 2832 | 2 | 4 | 6 | Hopper Joiner Angle 3/32" (2.38mm) Holes |
| | 124 2014 | 2 | 4 | 6 | Hopper Joiner Angle .050" (1.27mm) Holes for Small Seed Screens |
| 3 | 129 2947 | 1 | 2 | 3 | Stiffener Strap |
| 4 | 021 2950 | 1 | 2 | 3 | Hopper Cap |
| 5 | 128 3075 | - | 1 | 2 | Seal Angle |
| 6 | 129 2831 | - | 1 | 2 | Joiner Plate |
| 7 | ----- | - | - | - | Outer End Screen w/Quick Drain |
| | 128 3002 | 2 | 2 | 2 | Standard (Galvanized) |
| | 127 2963 | 2 | 2 | 2 | Small Seed (Galvanized) |
| | 123 5210 | 2 | 2 | 2 | Aluminum |
| 8 | ----- | - | - | - | Moisture Control Screen |
| | 021 2947 | 1 | 1 | 1 | Standard (Galvanized) |
| | 127 2966 | 1 | 1 | 1 | Small Seed (Galvanized) |
| | 123 5214 | 1 | 1 | 1 | Aluminum |
| 9 | ----- | - | - | - | Quick Drain Door |
| | 127 2950 | 8 | 16 | 24 | Standard (Galvanized) |
| | 127 2974 | 8 | 16 | 24 | Small Seed (Galvanized) |
| | 000 8310 | 8 | 16 | 24 | 5/16 x 3/4" (9.5x19mm) Carriage Bolt-Stainless |
| | 000 8168 | 8 | 16 | 24 | 5/16 (9.5mm) Flanged Locknut |
| 10 | ----- | - | - | - | Outer Screen w/Quick Drain |
| | 128 3001 | 6 | 14 | 22 | Standard (Galvanized) |
| | 127 2965 | 6 | 14 | 22 | Small Seed (Galvanized) |
| | 123 5212 | 6 | 14 | 22 | Aluminum |
| 11 | ----- | - | - | - | Outer Screen w/o Quick Drain |
| | 021 2945 | 5 | 13 | 21 | Standard (Galvanized) |
| | 127 2964 | 5 | 13 | 21 | Small Seed (Galvanized) |
| | 123 5211 | 5 | 13 | 21 | Aluminum |
| 12 | 125 2732 | 4 | 8 | 12 | Screen Mount Angle |
| 13 | ----- | - | - | - | Inner Screen |
| | 021 2949 | 16 | 32 | 48 | Standard (Galvanized) 3/32" (2.38mm) Holes |
| | 127 2968 | 16 | 32 | 48 | Small Seed (Galvanized) 1/16" (1.59mm) Holes |
| 14 | 121 3007 | 28 | 60 | 92 | Stiffener Strap |
| 15 | 128 2663 | 6 | 14 | 22 | Inner Brace |
| 16 | 128 3072 | 6 | 14 | 22 | Peak Screen Stiffener |
| 17 | 021 2600 | 3 | 7 | 11 | Inner Cross Tie |
| 18 | 128 3076 | - | 2 | 4 | Divider Panel |

Hardware to Bolt Screens Together:

Inside: 001 8208 5/16-18 x 1/2" (7.9 x 12.7mm) Washer Head Hex Bolt
 001 8202 5/16-18 x 3/4" (7.9 x 19.0mm) Washer Head Hex Bolt
 000 8103 5/16-18 x 1/2" (7.9 x 12.7mm) Slotted Truss Round Head Bolt
 000 8169 5/16" (7.9mm) Flanged Whiz Locknut

Outside: 000 8305 5/16-18 x 1/2" (7.9 x 12.7mm) Washer Head Hex Bolt-Stainless
 000 8308 5/16-18 x 1/2" (7.9 x 12.7mm) Slotted Truss Round Head Bolt-Stainless
 000 8307 5/16-18 x 3/4" (7.9 x 19.0mm) Slotted Truss Round Head Bolt-Stainless
 000 8304 5/16" (7.9mm) Flanged Whiz Locknut-Stainless

CF320 & 520 END AND FLOOR PANELS

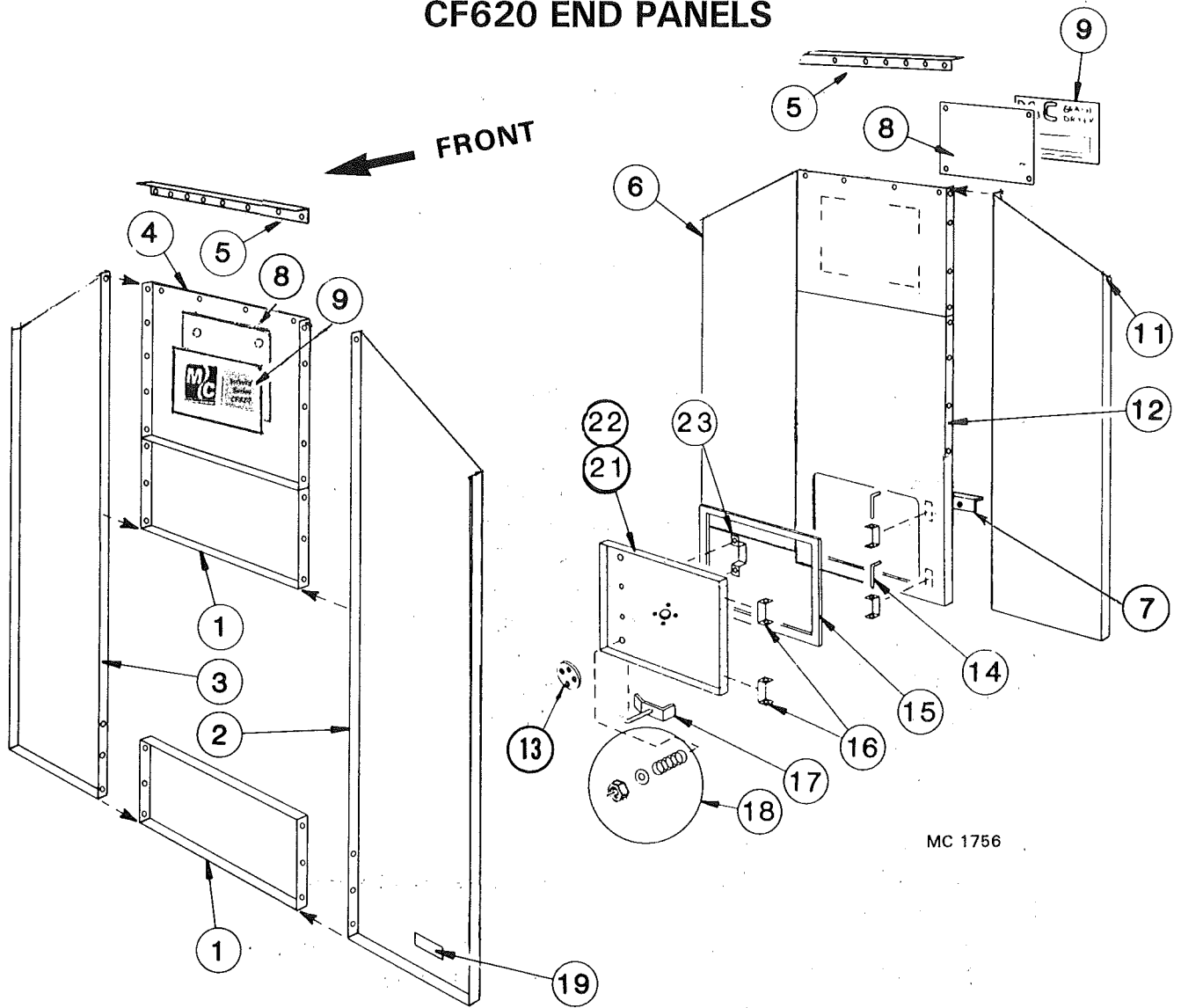


CF320 & 520 END AND FLOOR PANELS

| Ref. | Part No. | 320 520 | | Description |
|------|----------|---------|------|---|
| | | Qty | Qty. | |
| 1 | 121 8310 | 1 | 1 | "Made in USA" - Decal |
| 2 | 124 2846 | 1 | 1 | Burner Floor Unit |
| 3 | 124 2875 | 1 | 1 | Left Front Panel |
| 4 | 124 2874 | 1 | 1 | Right Front Panel |
| 5 | 124 2848 | 2 | 2 | 12" (30.5cm) Unit Floor Panel |
| 6 | 124 2847 | 1 | 1 | Panel Above Orifice |
| 7 | 124 2615 | 2 | 2 | Hopper Joiner Angle |
| 8 | 121 0302 | 2 | 2 | Latch and Handle |
| 9 | 121 0299 | 1 | 2 | Heat Chamber Door Frame |
| 10 | 121 1113 | 1 | 2 | Heat Chamber Door Ass'y (Incl. Ref. 8, 11 & 12) |
| 11 | 121 2970 | 1 | 2 | Heat Chamber Door Panel |
| 12 | 001 8256 | - | - | Spring - 5/8" ID x 2" (15.9 x 51mm) |
| | 000 8174 | - | - | 3/8" (9.5mm) Flatwasher |
| | 000 8199 | - | - | 1/8" x 1" (3.2 x 25.4mm) Cotter Pin |
| 13 | 128 1183 | 1 | 1 | Upper Rear Door Ass'y (Incl. Ref. 12, 24, 25, 26 & 28) |
| 14 | 121 2928 | 2 | 5 | Unit Floor Panel 24" (61cm) wide |
| 15 | 124 2877 | 1 | 1 | Right Rear End Panel |
| 16 | Blank | | | |
| 17 | 128 2999 | 2 | 2 | Decal Mount Plate |
| 18 | 128 8309 | 2 | - | Model Decal "320" |
| | 128 8310 | - | 2 | Model Decal "520" |
| 19 | Blank | | | |
| 20 | 124 2876 | 1 | 1 | Left Rear End Panel |
| 21 | 128 2772 | 1 | 1 | Rear Door Panel 96 x 37" (244 x 92cm) |
| 22 | 124 4463 | 1 | 1 | Brace, Rear Door Panel |
| 23 | 128 5201 | 4 | 4 | Hinge Pin |
| 24 | 128 2740 | 4 | 4 | Door Hinge |
| | 000 8212 | 16 | 16 | 1/4-20 X 1/2" (6.35 x 12.7mm) Truss Hd. Screw |
| | 000 8167 | 16 | 16 | 1/4-20 (6.35mm) Flanged Locknut |
| 25 | 128 8900 | AR | AR | Rubber Edge Seal (Order ft. required) |
| 26 | 121 2887 | 1 | 1 | Door Handle |
| 27 | 128 3009 | 1 | 1 | Lower Door Rear Panel |
| 28 | 121 8901 | 3 | 3 | Latch and Handle |

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CF620 END PANELS



MC 1756

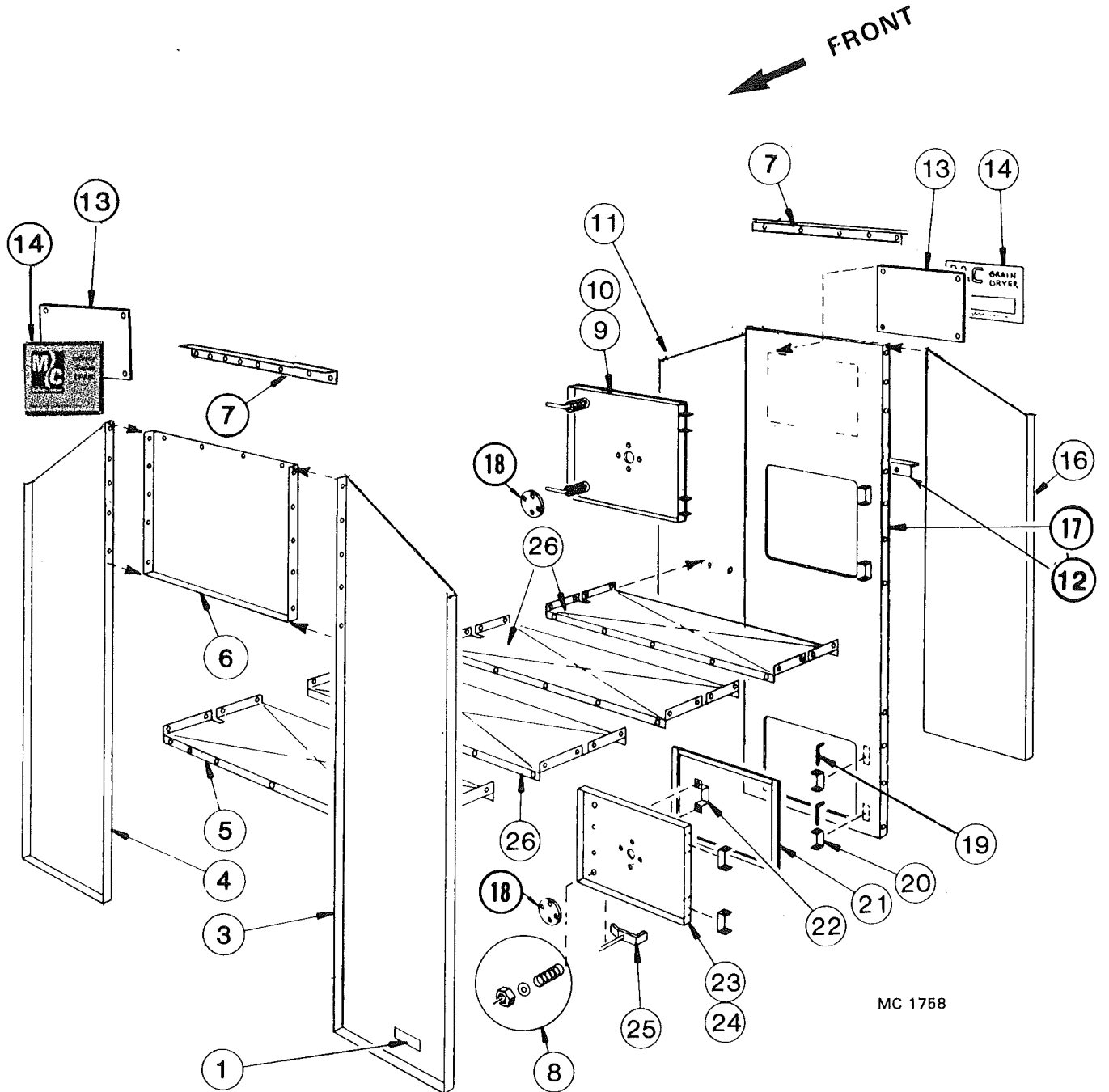
| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| 1 | 128 4969 | 2 | Spacer Panel |
| 2 | 124 2875 | 1 | Left Front Panel |
| 3 | 124 2874 | 1 | Right Front Panel |
| 4 | 128 2921 | 1 | Panel Above Fan |
| 5 | 021 2615 | 2 | Hopper Joiner Angle |
| 6 | 124 2877 | 1 | Right Rear End Panel |
| 7 | 124 4463 | 1 | Brace-Rear Door Panel |
| 8 | 128 2999 | 1 | Decal Mount Plate |
| 9 | 128 8311 | 1 | Model "620" Decal |
| 10 | Blank | | |
| 11 | 124 2876 | 1 | Left Rear End Panel |
| 12 | 128 2771 | 1 | Rear Door Panel 96" x 37" (244x92cm) |
| 13 | 129 5709 | 1 | Port View Lens |
| | 000 8212 | 4 | 1/4"-20 x 1/2" (6.35x12.7mm) Truss Head Screw |
| | 000 8167 | 4 | 1/4"-20 (6.35mm) Flanged Locknut |
| 14 | 128 5201 | 2 | Hinge Pin |

| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 15 | 128 8900 | AR | Rubber Edge Seal/ft. |
| 16 | 128 2740 | 4 | Door Hinge |
| | 000 8212 | 8 | 1/4"-20 x 1/2" (6.35x12.7mm) Truss Head Screw |
| | 000 8167 | 8 | 1/4"-20 (6.35mm) Flanged Locknut |
| 17 | 121 8901 | 2 | Latch and Handle |
| 18 | 001 8256 | 2 | Spring-5/8"IDx2"(15.9x51mm) |
| | 000 8174 | 4 | 3/8" (9.5mm) Flatwasher |
| | 001 8149 | 2 | 3/8" (9.5mm) Hex 2-Way Locknut |
| 19 | 121 8310 | 1 | "Made in USA" - Decal |
| 20 | Blank | | |
| 21 | 128 1183 | 1 | Rear Door Assembly (Incl. ref. 13, 15 thru 18, 22, & 23) |
| 22 | 128 2957 | 1 | Rear Door Panel Only |
| 23 | 121 2887 | 1 | Door Handle |
| | 128 8257 | 2 | 8-18 x 1/2" (12.7mm) Sheet Metal Screw |

CF720 End and Floor Panels

| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 1 | 121 8310 | 1 | "Made in USA" - Decal |
| 2 | Blank | | |
| 3 | 124 2875 | 1 | Left Front Panel |
| 4 | 124 2874 | 1 | Right Front Panel |
| 5 | 128 2920 | 1 | Front Unit Floor Panel |
| 6 | 128 2921 | 1 | Panel Above Fan |
| 7 | 124 2615 | 2 | Hopper Joiner Angle |
| 8 | 001 8256 | 4 | Spring - 5/8" ID x 2" (15.9 x 51mm) |
| | 000 8174 | 4 | 3/8" (9.5mm) Flatwasher |
| | 001 8149 | 4 | Hex 2-Way Locknut Z.P. |
| 9 | 128 1183 | 1 | Upper Rear Door Assembly (Incl. ref. 8, 10, 18, 20, 21, 22 & 25) |
| 10 | 128 2957 | 1 | Upper Rear Door Only |
| 11 | 124 2877 | 1 | Right Rear End Panel |
| 12 | 124 4463 | 1 | Brace, Rear Door Panel |
| 13 | 128 2999 | 2 | Decal Mount Plate |
| 14 | 128 8331 | 1 | Model "720" Decal |
| 15 | Blank | | |
| 16 | 124 2876 | 1 | Left Rear End Panel |
| 17 | 128 2773 | 1 | Rear Door Panel 96" x 37" (244 x 94cm) |
| 18 | 129 5709 | 2 | Port View Lens |
| | 000 8212 | 8 | 1/4"-20 x 1/2" (6.35 x 12.7mm) Truss Head Screw |
| | 000 8167 | 8 | 1/4"-20 (6.35mm) Flanged Locknut |
| 19 | 128 5201 | 4 | Hinge Pin |
| 20 | 128 2740 | 8 | Door Hinge |
| | 000 8212 | 16 | 1/4"-20 x 1/2" (6.35 x 12.7mm) Truss Head Screw |
| | 000 8167 | 16 | 1/4"-20 (6.35mm) Flanged Locknut |
| 21 | 128 8900 | AR | Rubber Edge Seal |
| 22 | 121 2887 | 2 | Door Handle |
| | 128 8251 | 4 | 8-18 x 1/2" (12.7mm) Sheet Metal Screw |
| 23 | 128 1902 | 1 | Lower Rear Door Assembly (Incl. ref. 8, 18, 20, 21, 22, 24 & 25) |
| 24 | 128 3006 | 1 | Lower Rear Door Panel Only |
| 25 | 121 8901 | 4 | Latch and Handle |
| 26 | 121 2928 | 7 | Unit Floor Panel |

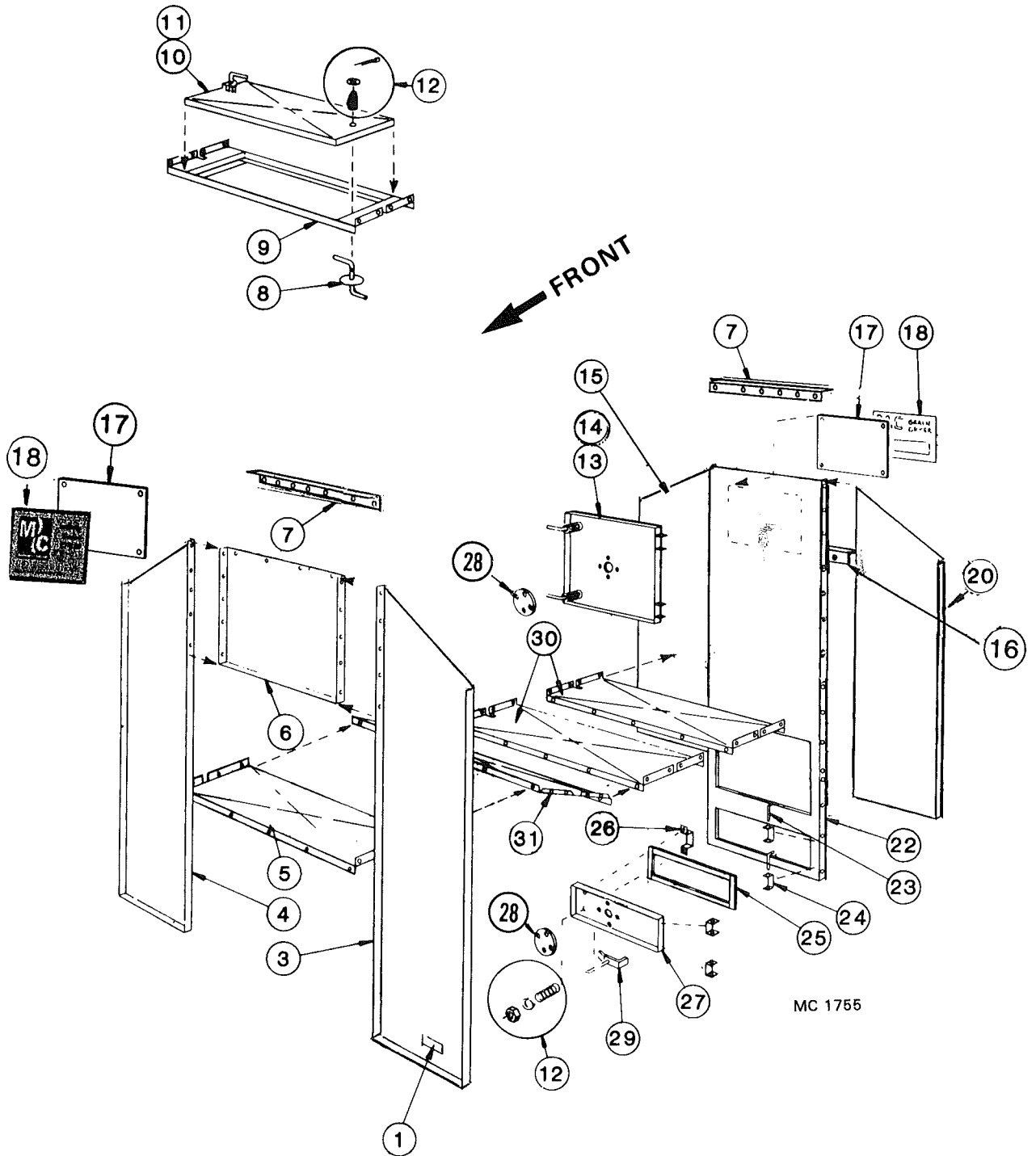
CF720 End and Floor Panels



CF820 End and Floor Panels

| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| 1 | 121 8310 | 1 | "Made in USA" - Decal |
| 2 | Blank | | |
| 3 | 124 2875 | 1 | Left Front Panel |
| 4 | 124 2874 | 1 | Right Front Panel |
| 5 | 128 2920 | 1 | Front Unit Floor Panel |
| 6 | 128 2921 | 1 | Panel Above Fan |
| 7 | 124 2615 | 2 | Hopper Joiner Angle |
| 8 | 121 0302 | 4 | Latch and Handle |
| 9 | 121 0299 | 2 | Heat Chamber Door Frame |
| 10 | 121 1113 | 2 | Heat Chamber Door Assembly (Incl. ref. 12) |
| 11 | 121 2970 | 2 | Heat Chamber Door Panel |
| 12 | 001 8256 | - | Spring - 5/8" ID x 2" (15.9mm x 51mm) |
| | 000 8174 | - | 3/8" (9.5mm) Flatwasher |
| | 001 8149 | - | 3/8" (9.5mm) Hex 2-Way Locknut |
| 13 | 128 1183 | 1 | Upper Rear Door Assembly (Incl. ref. 12, 14, 24, 25, 26, 28 & 29) |
| 14 | 128 2957 | 1 | Upper Rear Door Panel |
| 15 | 124 2877 | 1 | Right Rear End Panel |
| 16 | 124 4463 | 1 | Brace, Rear Door Panel |
| 17 | 128 2999 | 1 | Decal Mount Plate |
| 18 | 128 8318 | 1 | Model "820" Decal |
| 19 | Blank | | |
| 20 | 124 2876 | 1 | Left Rear End Panel |
| 21 | Blank | | |
| 22 | 128 2772 | 1 | Rear Door Panel 96" x 37" (244 x 94cm) |
| 23 | 128 5201 | 4 | Hinge Pin |
| 24 | 128 2740 | 8 | Door Hinge |
| 25 | 128 8900 | AR | Rubber Edge Seal/ft. |
| 26 | 121 2887 | 2 | Door Handle |
| | 128 8251 | 4 | 8-18 x 1/2" (12.7mm) Sheet Metal Screw |
| 27 | 128 3009 | 1 | Rear Door |
| 28 | 129 5709 | 2 | Port View Lens |
| | 000 8212 | 8 | 1/4"-20 x 1/2" (6.35 x 12.7mm) Truss Head Screw |
| | 000 8167 | 8 | 1/4"-20 (6.35mm) Flanged Locknut |
| 29 | 121 8901 | 3 | Latch and Handle |
| 30 | 121 2928 | 8 | Unit Floor Panel |
| 31 | 124 2845 | 1 | Slope Unit Floor Panel |

CF820 End and Floor Panels



SCR Drive Motor and Gear Box

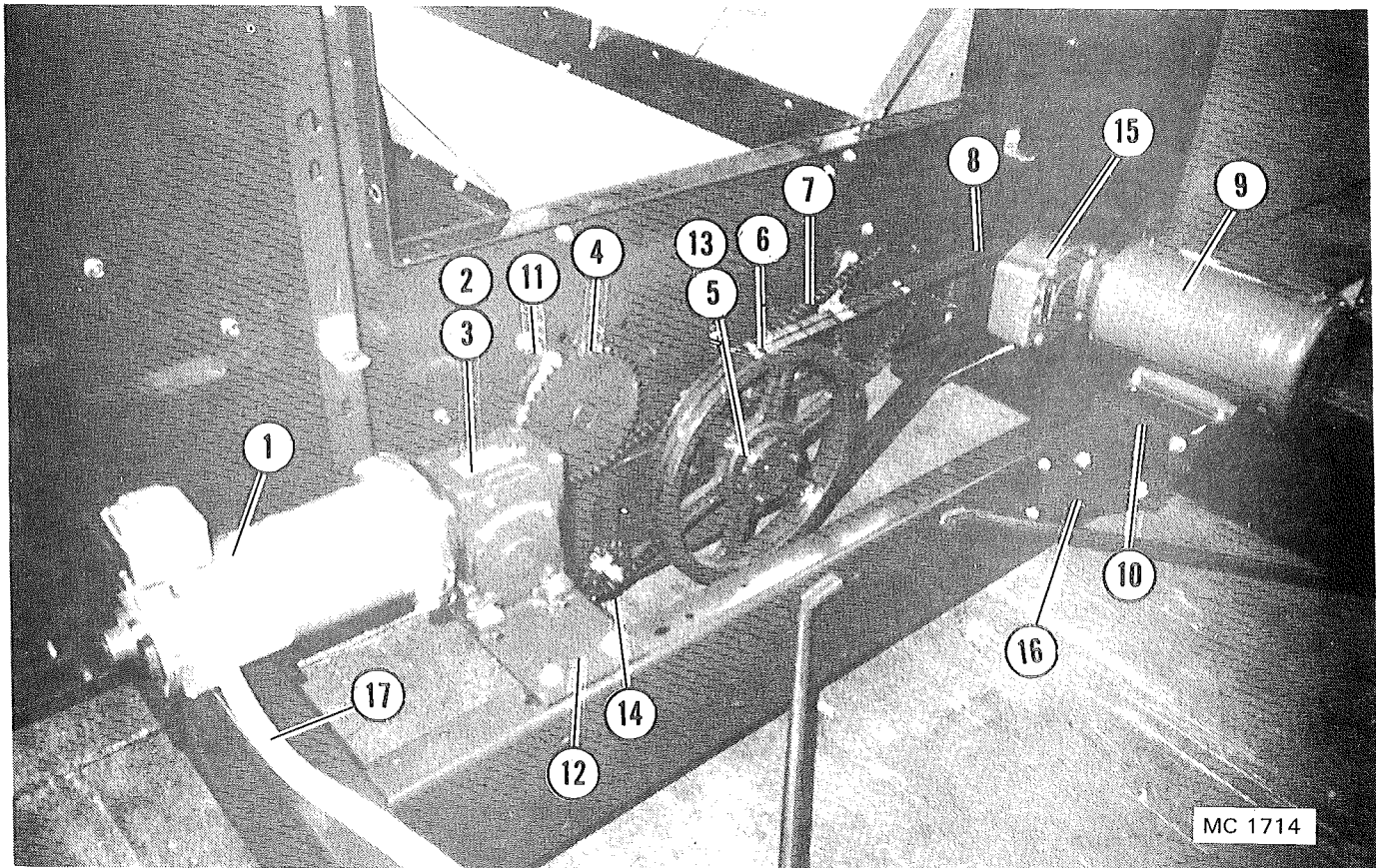


Figure 3

| Ref. Part No. | Qty. | Description | Ref. Part No. | Qty. | Description | | |
|---------------|----------|-------------|--|------|-------------|---|---------------------------------------|
| 1 | 124 6837 | 1 | DC Motor - 1/3 HP | 8 | 121 6203 | 1 | Pulley - 2B - 3-3/16" OD - |
| | 122 8613 | - | DC Motor Brush | | 001 5112 | 1 | 7/8" (22.2x80.96mm) Bore |
| 2 | 124 6624 | 1 | SCR Gear Box (Incl. 3/16" x 1" Key - 001 5110) | 9 | 124 6627 | - | Key - 3/16" x 1 3/8" (4.8x35mm) |
| | 128 8947 | 1 | Pint of Mobil SHC 634 Oil | | 124 6626 | - | 1.5HP 1Ø 230V Motor |
| | 001 8212 | 4 | 3/8-16x1 1/4" Capscrew-Washer Hd. | | 124 6628 | - | 1.5HP 3Ø 230/460V Motor |
| | 000 8174 | 4 | 3/8" Flatwasher | | 128 1810 | 1 | 1.5HP 3Ø 575V Motor |
| | 000 8168 | 4 | 3/8" Flanged Locknut | | 000 8110 | 1 | Motor to Cabinet Wire Assembly |
| 3 | ---- | - | SCR Gear Box Sprocket | | 001 8213 | 3 | 5/16-18x1 1/2" (7.9x38mm) Capscrew |
| | 128 6427 | 1 | RC-40 10Tx3/4" ID - 320/520/620/720 | | 001 8210 | 1 | 5/16-18x1" (7.9x25.4mm) Capscrew |
| | 128 6422 | 1 | RC-40 12Tx3/4" (19mm) ID - 820 | | 000 8173 | 4 | 5/16" (7.9mm) Flatwasher |
| 4 | ---- | - | Metering Roll Sprocket | 10 | 000 8169 | 4 | 5/16-18 Flanged Locknut |
| | 128 6406 | 2 | RC-40 42Tx1 1/4" ID - 320/520/620/720 | | 124 4214 | 1 | Unload Auger Motor Mount |
| | 128 6423 | 2 | RC-40 36Tx1 1/4" (31.8mm) ID - 820 | | 001 8209 | 2 | 3/8-16 x 1" Capscrew-Washer Hd. |
| | 000 8298 | 2 | Woodruff Key 1/4"x3/4" (6.35x19mm) | | 001 8210 | 3 | 3/8-16 x 3/4" Capscrew-Washer Hd. |
| 5 | 021 6201 | 1 | Pulley - 2B x 13.6 SK | | 001 8132 | 1 | 3/8-16 x 4" (9.5x102mm) "J" Bolt |
| | 001 5130 | 1 | Key - 3/8" x 1" (9.5x25.4mm) | | 000 8174 | 5 | 3/8" (9.5mm) Flatwasher |
| 6 | 021 6100 | 1 | B-65 Belts (Matched Set-2) | | 000 8168 | 5 | 3/8-16 (9.5mm) Flanged Locknut |
| 7 | 128 6316 | 1 | Chain - RC-40 x 152 Pitch | 11 | 001 6016 | 2 | 1 1/4" (31.8mm) 3 Bolt Flange Bearing |
| | 002 6309 | - | Connecting Link | 12 | 128 0367 | 1 | SCR Gear Box Mount |
| | | | | | 001 8210 | 4 | 3/8-16 x 3/4" Capscrew-Washer Hd. |
| | | | | | 000 8174 | 4 | 3/8" (9.5mm) Flatwasher |
| | | | | | 000 8168 | 4 | 3/8-16 (9.5mm) Flanged Locknut |

Continued on next page

SCR Drive Motor and Gear Box

| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| 13 | 001 6202 | 1 | SK Bushing - 1-7/16" (36.5mm) I.D. (Incl. capscrews) |
| 14 | 128 6414 | 1 | Idler Sprocket 18T x 1/2"(12.7mm) |
| 15 | 124 6620 | 1 | Gear Box – Unload Auger Motor (620/720/820) |
| 16 | 124 4485 | 1 | Discharge Motor Mount Bracket |
| 17 | 128 | 1 | SCR Motor to Cabinet Flexible Conduit 3/8" x 43" (9.5mm x109cm) with 45° Elbow & Straight Connectors |
| 18 | 128 0370 | 1 | Drive Guard - Wire |
| | 001 3302 | 2 | Angle Clip |
| | 000 8202 | 4 | 5/16-16 x 3/4" (7.9 x 19mm) Washer Head Bolt |
| | 000 8173 | 2 | 5/16" (7.9mm) Flatwasher |
| | 001 8184 | 2 | 5/16" (7.9mm) Clip Nut |
| | 000 8169 | 2 | 5/16" (7.9mm) Whiz Locknut |
| 19 | 121 8957 | AR | Rubber Guard Edge |
| 20 | | 1 | Unload Auger Motor to Cabinet Flexible Conduit with (2) Straight Connectors 1Ø 3/8" x 40" (9.5mm x 96cm) 3Ø 1/2" x 40" (12.7mm x 96cm) |

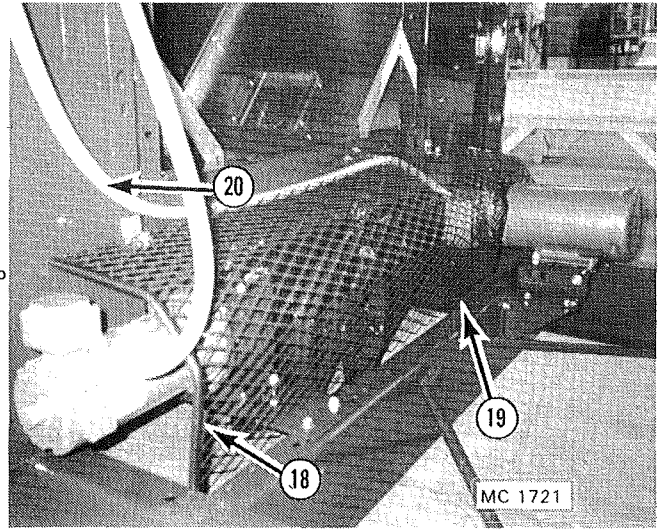
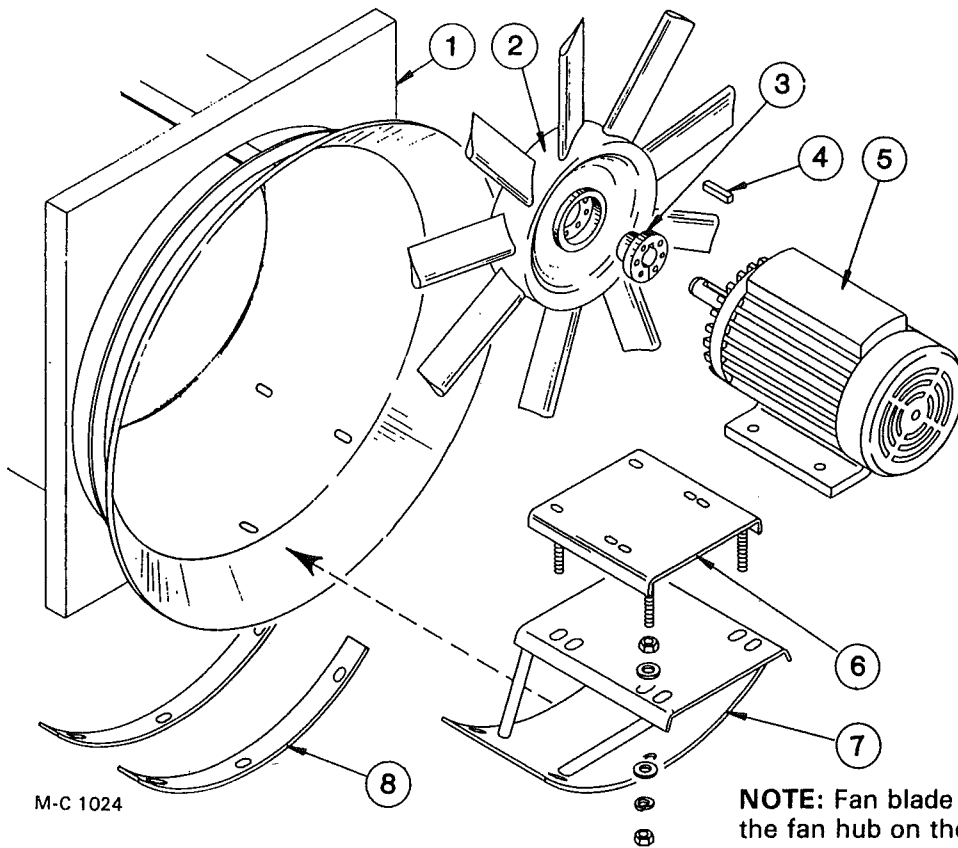


Figure 4

Fan and Fan Motor Mount



NOTE: Fan blade pitch in degrees is stamped on the fan hub on the side opposite the bushing.

NOTE: Quantities shown are for one fan assembly.

| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 1 | 128 0358 | 1 | Fan Orifice – All |
| 2 | ----- | - | Fan |
| | 128 9044 | 1 | 320 (9 blade 18°) w/Bushing |
| | 128 9045 | 1 | 520 (9 blade 27°) w/Bushing |
| | 128 9046 | 1 | 620 & 820 Upper (12 blade 30°) w/Bushing |
| | 128 9043 | 1 | 720 Lower (6 Blade 20°) w/Bushing |
| | 128 9044 | 1 | 720 Upper & 820 Lower (9 Blade 18°) w/Bushing |
| 3 | 121 6239 | - | "SK" Bushing – 1 ³ / ₈ " (34.9mm) I.D. (7.5 & 10HP motors) |
| | 121 6229 | - | "SK" Bushing – 1 ⁵ / ₈ " (41.3mm) I.D. (20HP motors) |
| | 121 8117 | 3 | 5/16-18 x 2" (7.9x51mm) Socket Hd.Capscrew-Gr.5 |
| 4 | 001 5124 | 1 | Key – 5/16 x 2 ³ / ₈ " (7.9 x 60.3mm) (7.5 & 10HP motors) |
| | 001 5139 | 1 | Key – 3/8 x 3" (9.5x76.2mm) (20HP motor) |
| 5 | ----- | - | Fan Motor |
| | 121 6948 | 1 | 230/460V 7.5HP 3Ø Motor (720) |
| | 201 6818 | 1 | 230/460V 10HP 3Ø Motor (320/720) |
| | 125 6934 | 1 | 230/460V 20HP 3Ø Motor (620/820) |

| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| | 124 6816 | 1 | 230/460V 7.5HP 1Ø Motor |
| | 124 6818 | 1 | 230/460V 10HP 1Ø Motor |
| | 124 6879 | 1 | 230/460V 20HP 1Ø Motor |
| | 000 8293 | 4 | 3/8 -16 x 1 1/2" Capscrew (9.5 x 38.1mm) Full Thread (7.5 & 10HP motors) |
| | 000 8168 | 4 | 3/8 -16 (9.5mm) Flanged Locknut |
| | 000 8139 | 4 | 1/2-13 x 1 3/4" (12.7 x 44.5mm) Capscrew (20HP motor) |
| | 000 8170 | 4 | 1/2-13 (12.7mm) Flanged Locknut |
| 6 | 128 0167 | 1 | Motor Mount (7.5 & 10HP motors) |
| | 121 0343 | 1 | Motor Mount (20HP motor) |
| | 000 8165 | 8 | 3/4-10 (19mm) Hex Nut |
| | 000 8177 | 8 | 3/4" (19mm) Flatwasher |
| | 000 8182 | 4 | 3/4" (19mm) Lockwasher |
| 7 | 121 0258 | 1 | Motor Mount Base |
| | 000 8136 | 5 | 1/2-13 x 1" (12.7 x 25.4mm) Carriage Bolt |
| | 000 8170 | 4 | 1/2-13 (12.7mm) Flanged Locknut |
| 8 | 121 3356 | 2 | Orifice Reinforcement |
| 9 | 121 0131 | 1 | Air Stabilizer |
| 10 | 121 3459 | 3 | Burner Mounting Angle |

INSTALLATION INSTRUCTIONS

For Mounting Cast Aluminum Axial Fans on M-C Grain Dryers



CAUTION: Be sure to turn off and lock the main electric supply to the dryer before working on fan.

DO NOT use old bushing and bolts. Use new bushing and bolts supplied with this fan. **DO NOT** use lubricant on any parts.

1. Make sure that inner fan bore is clean of paint/debris. Make sure motor shaft is clean and bore of bushing is clean. Clean and remove all burrs or nicks.

2. Align unthreaded holes of bushing with threaded holes in the fan. Align the shaft key with black balancing line on the fan when possible.

3. Insert the three bolts without the nylon patch through the unthreaded holes in bushing into the threaded holes in the fan. Torque down all three bolts to 15 ft./lbs. (2.07 Kg-meters): start by finger tightening all three bolts and then tighten bolts equally 1/4 turn at a time rotating from bolt to bolt until reaching 15 ft./lbs. (2.07 Kg-meters). Once tight make 3 revolutions to verify that all bolts will not rotate at all. **FAILURE TO TORQUE THE BOLTS CORRECTLY MAY RESULT IN THE FAN COMING LOOSE FROM MOTOR SHAFT!**

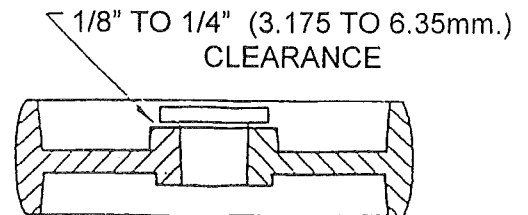
4. Remove the bolts and install the bolts with flange whiz lock head, plus nylon patch. If a nylon patch bolt is not available, apply lock-tight. Lock-tight should be applied only at one specific location - 5/8" (15.88mm.) from head of bolt x 1/2" (12.7mm.) long.

5. Retorque bolts down to 15 ft./lbs. (2.07 Kg-meters).

6. When torqued at 15 ft./lbs. (2.07 Kg-meters), make 3 revolutions rotating from bolt to bolt at 15 ft./lbs. (2.07 Kg-meters) to verify that all bolts will not rotate at all.

Note: If a pop is heard while tightening, it is possible the fan was cracked at the bolt holes. Do not attempt to use the fan if this has occurred. Remove the fan and inspect the bore of the fan for a crack running along the threaded hole of the fan. If a crack exists, call the factory immediately.

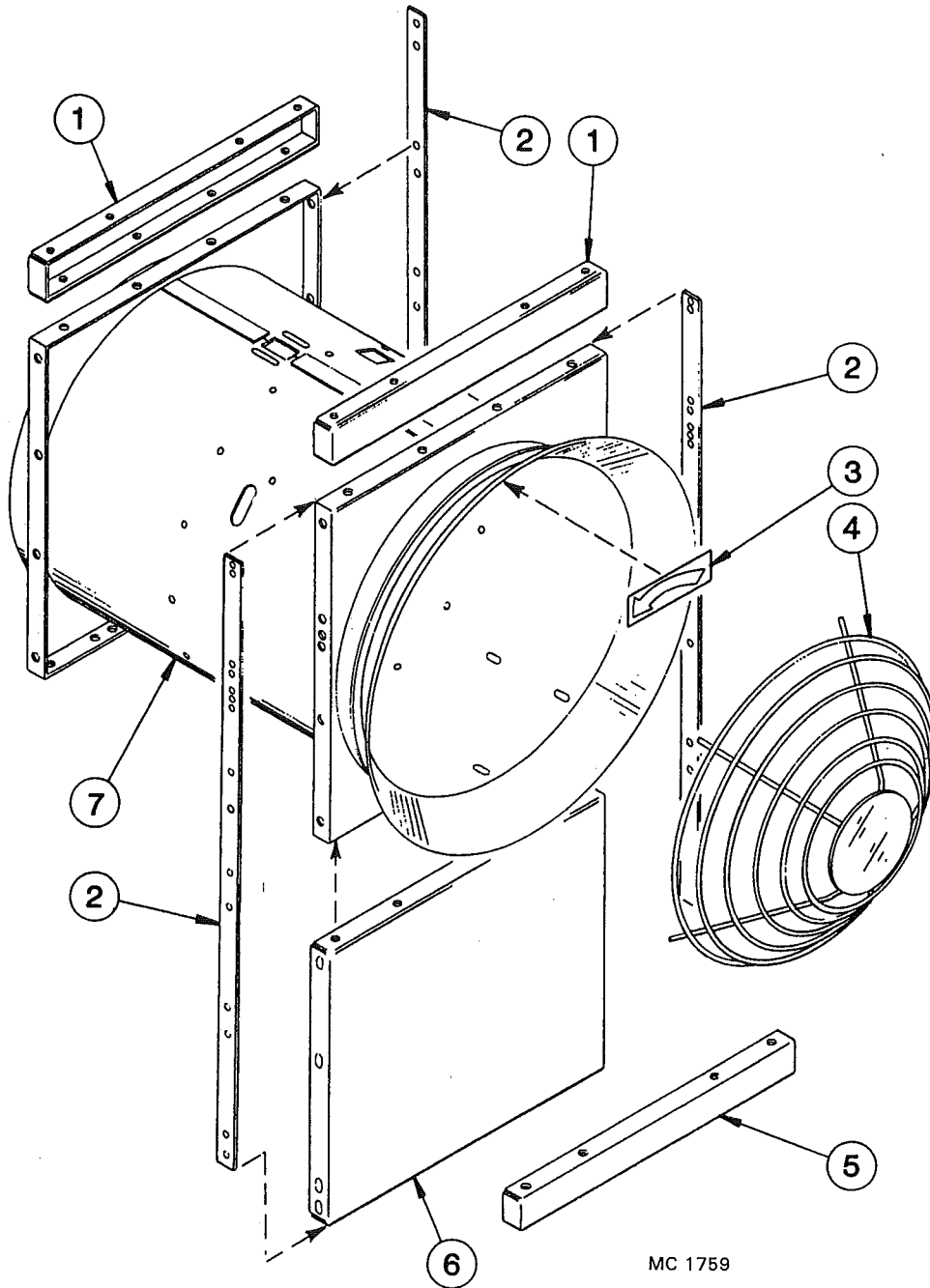
7. **CAUTION: DO NOT ATTEMPT TO PULL THE HEAD OF THE BUSHING FLUSH WITH THE CASTING!** There should be a clearance of 1/8" to 1/4" (3.175 to 6.35mm.) when the bushing is properly tightened. In no case should the fan be used if the bushing head is in contact with the fan. Contact the factory immediately if this occurs.



8. **BE SURE ALL TOOLS AND HARDWARE ARE CLEAR OF DRYER.** Manually rotate the fan to assure clearance between the blade and the housing. There should be a minimum clearance of 1/16" (1.59mm.) at any point. A minor motor position change or shaft and bearing position change may be required in order to obtain proper clearance. Reinstall guard and jog starter to assure the fan does not touch housing. Once clearance is assured, dryer is ready for operation. The dryer should be felt for vibration. Any vibration in excess of a tingling feeling to the fingers should be noted and the factory should be contacted.

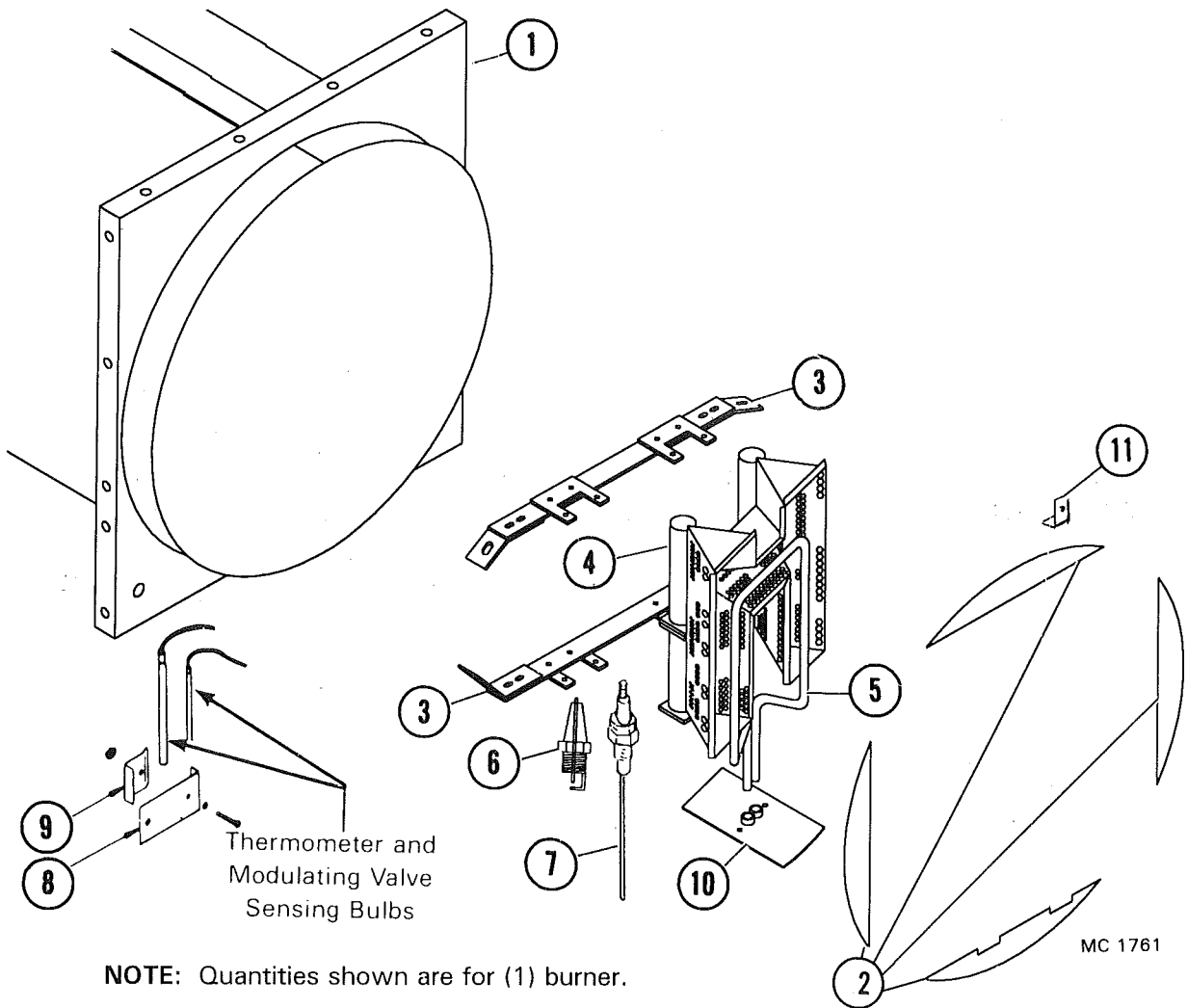
Form D331 (Revised February 2000)

CF Fan Orifice Supports and Fan Guard



| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 1 | 128 0273 | 2 | Orifice Joiner Channel (720 & 820) Top of Lower Fan |
| 2 | 128 3463 | 2 | Fan Housing Brace (320 & 520) |
| | | 3 | Fan Housing Brace (620) |
| 3 | 121 8301 | AR | Counterclockwise Arrow Decal |
| 4 | 121 8956 | AR | Fan Guard |
| 5 | 128 0272 | 1 | Orifice Support Channel (320, 520, 720, & 820) |
| 6 | 128 4570 | 1 | Spacer Panel (320 & 520) |
| | 128 4445 | 1 | Spacer Panel (620) |
| 7 | 128 0358 | AR | Fan Orifice - All (Maxon) |

INFINITY CF MODEL BURNERS



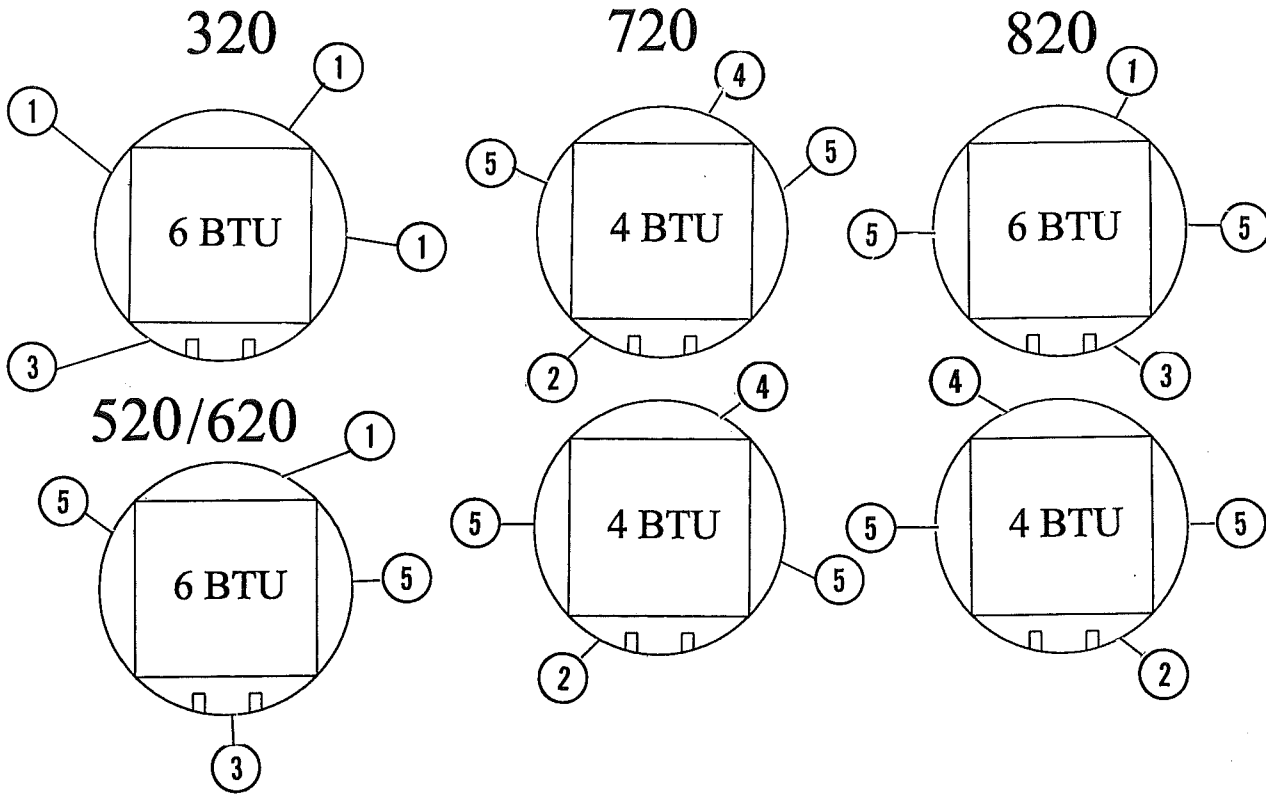
NOTE: Quantities shown are for (1) burner.

| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| 1 | 128 0358 | 1 | Axial Maxon Housing |
| 2 | | 4 | Profile Plate (See Chart – page 26) |
| 3 | 124 1277 | 2 | Mount Bracket Assembly 4 MBTU Burner (720/820) |
| | 124 1278 | 2 | Mount Bracket Assembly 6 MBTU Burner (320/520/620/820) |
| 4 | 128 8702 | 1 | Maxon 6 MBTU Burner (320/520/620 & 820 Upper) |
| | 128 8703 | 1 | Maxon 4 MBTU Burner (720 Both & 820 Lower) |
| 5 | | 1 | Vaporizer (LP) |
| 6 | 124 7000 | 1 | Spark Plug |
| 7 | 124 6872 | 1 | Flame Sensing Probe |
| 8 | 121 2883 | 2 | Sensing Bulb Bracket |
| 9 | 121 2882 | 2 | Sensing Bulb Clip |
| 10 | 128 0359 | 1 | Seal Plate LP |
| | 128 0364 | 1 | Seal Plate NG |
| 11 | 124 2612 | 8 | Profile Plate Bracket |

Not Shown:

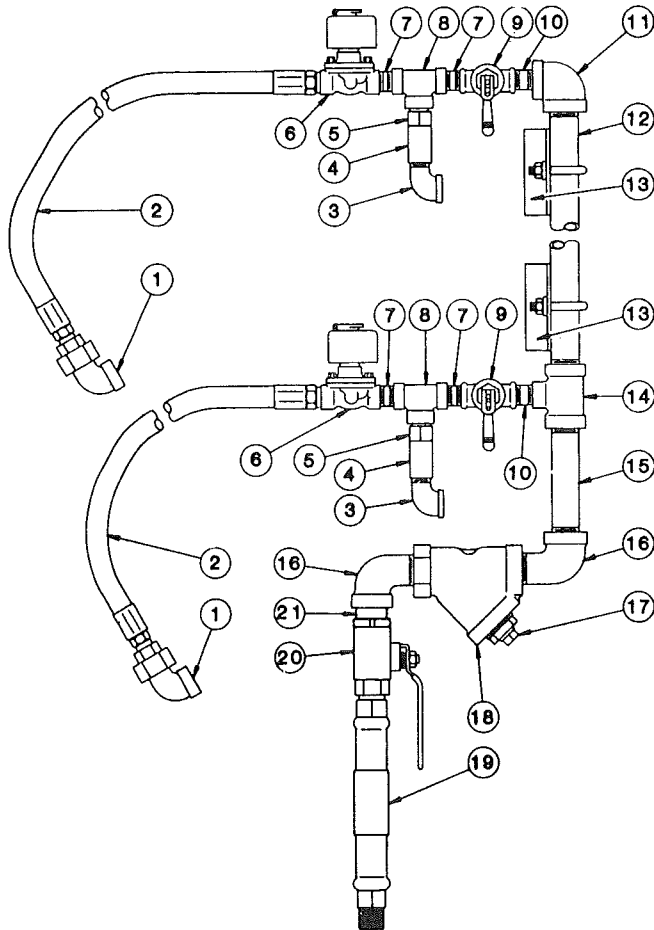
| | | |
|----------|---|--|
| 124 6994 | 1 | Ignition Board 115V |
| 122 9003 | 1 | Ignition Wire 84" (213cm) w/90° Boot |
| 124 1079 | 1 | Low Voltage Black Wire Assembly 18ga. 84" (213cm) Sense Probe (See Ref. #11 – pages 43, 45, 47, & 49) |

INFINITY BURNER PROFILE PLATES

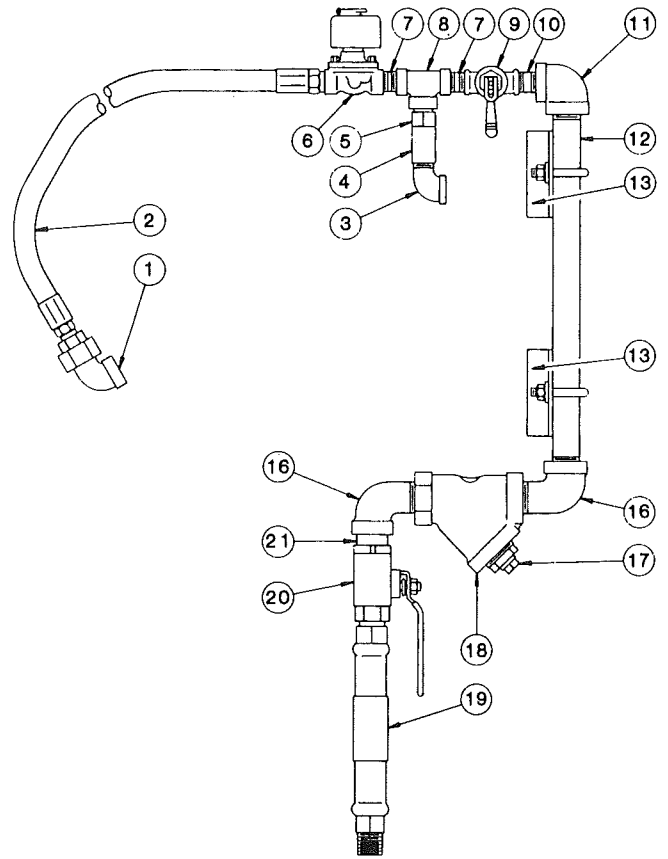


| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 1 | 124 2946 | AR | Profile Plate 19" (48cm) |
| 2 | 124 2947 | AR | Profile Plate 26" (66cm) Vaporizer |
| 3 | 124 2948 | AR | Profile Plate 19" (48cm) Vaporizer |
| 4 | 124 2945 | AR | Profile Plate 26" (66cm) |
| 5 | 124 2944 | AR | Profile Plate 21 $\frac{1}{8}$ " (55cm) |

CF Model LP Gas Liquid Line Manifolds



720 & 820



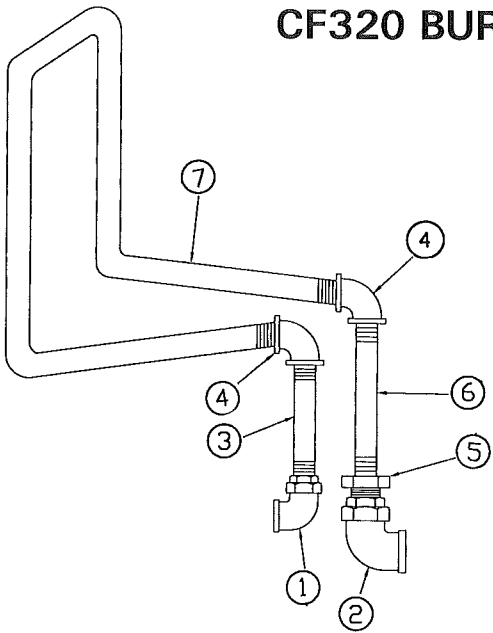
MC 1762

**320
520
620**

| Ref. Part No. | Description |
|---------------|---|
| 1 128 8010 | ½" (12.7mm) Extra Hvy. Union Elbow |
| 2 128 8400 | ½" (12.7mm) ID x 34" Hose w/Couplings |
| 3 121 8048 | ½" (12.7mm) – 90° Std. Street Elbow |
| 4 121 7013 | Relief Valve |
| 5 121 7014 | Relief Valve Adapter |
| 6 125 7082 | ½" (12.7mm) Solenoid Valve |
| 7 121 8094 | ½" x 1½" (12.7 x 38.1mm) Extra Hvy. Nipple |
| 8 120 8035 | ½" (12.7mm) Extra Hvy. "T" |
| 9 121 7015 | ½" (12.7mm) Hand Valve |
| 10 128 8048 | ½" x 2½" (12.7 x 6.35mm) Extra Hvy. Nipple |
| 11 121 8043 | 1" to ½" (25.4 to 12.7mm) – 90° Extra Hvy. Elbow |
| 12 128 8062 | 1 x 43" (2.54 x 109cm) Extra Hvy. Nipple (720 & 820) |
| 128 8055 | 1 x 16½" (2.54 x 41.9cm) Extra Hvy. Nipple (320, 520, & 620) |

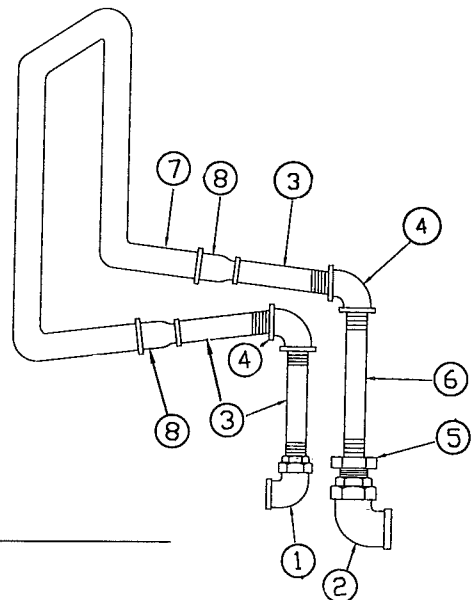
| Ref. Part No. | Description |
|---------------|---|
| 13 128 2670 | Liquid Line Support |
| 001 8123 | 5/16-18 x 1¾" (7.9 x 34.9mm) "U" Bolt |
| 000 8106 | 5/16-18 x ¾" (7.9 x 19mm) Capscrew |
| 000 8169 | 5/16-18 (7.9mm) Flanged Locknut |
| 14 125 8018 | 1 x 1 x ½" (25.4 x 25.4 x 12.7mm) Extra Hvy. "T" |
| 15 128 8043 | 1 x 6" (2.54 x 15.2cm) Extra Hvy. Nipple |
| 16 125 8028 | 1" (25.4mm) – 90° Extra Hvy. Street Elbow |
| 17 121 8081 | ½" (12.7mm) Pipe Plug |
| 18 125 8095 | 1" (25.4mm) Strainer |
| 19 121 7026 | Inlet Hose |
| 20 128 8012 | 1" (25.4mm) Hand Valve |
| 21 125 8030 | 1" (25.4mm) Close Extra Hvy. Nipple |

CF320 BURNER VAPORIZER ASSEMBLY



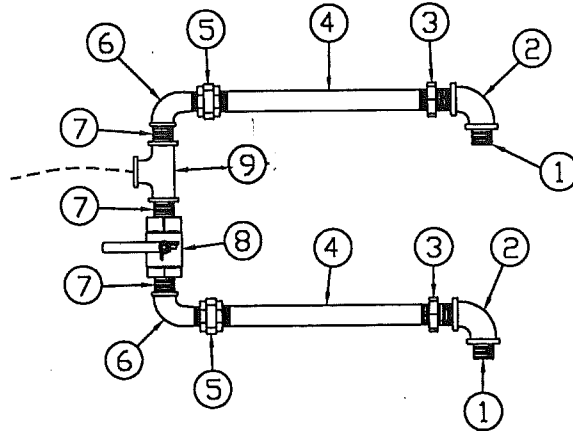
| Ref. | Part No | Qty. | Description |
|------|----------|------|---|
| 1 | 128 8010 | 1 | ½" (12.7mm) Union Elbow Ex. Hvy. |
| 2 | 128 8019 | 1 | ¾" (19mm) Union Elbow Ex. Hvy. |
| 3 | 121 8014 | 1 | ½" x 5" (12.7mm x 12.7cm) Pipe Ex. Hvy. |
| 4 | 121 8036 | 2 | ½" (12.7mm) 90° Elbow Ex. Hvy. |
| 5 | 121 8029 | 1 | ½" to ¾" (12.7 to 19mm) Reduce Bushing |
| 6 | 121 8064 | 1 | ½" x 7" (12.7mm x 17.8cm) Pipe Ex. Hvy. |
| 7 | 128 8704 | 1 | ½" (12.7mm) Vaporizer Pipe Ex. Hvy. |

CF520, 620, 720, & 820 BURNER VAPORIZER ASSEMBLY



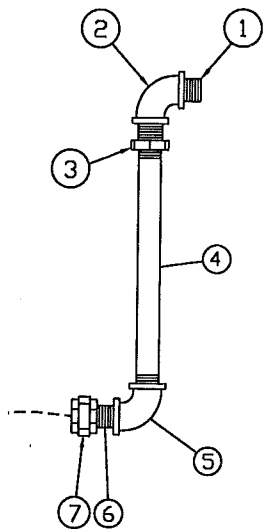
| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| 1 | 128 8010 | 1 | ½" (12.7mm) Union Elbow Ex. Hvy. |
| 2 | 128 8019 | 1 | ¾" (19mm) Union Elbow Ex. Hvy. |
| 3 | 121 8014 | 3 | ½" x 5" (12.7mm x 12.7cm) Pipe Ex. Hvy. |
| 4 | 121 8036 | 2 | ½" (12.7mm) 90° Elbow Ex. Hvy. |
| 5 | 121 8029 | 1 | ½" to ¾" (12.7 to 19mm) Reduce Bushing |
| 6 | 121 8064 | 1 | ½" x 7" (12.7mm x 17.8cm) Pipe Ex. Hvy. |
| 7 | 128 8706 | 1 | 1" (25.4mm) Vaporizer Pipe Ex. Hvy. |
| 8 | 128 8083 | 2 | 1" to ½" (25.4 to 12.7mm) 90° Reducer Coupling Ex.Hvy. |

MANIFOLD TO BURNER PIPING #124 1264 CF320 & 520 LP OR NAT. GAS



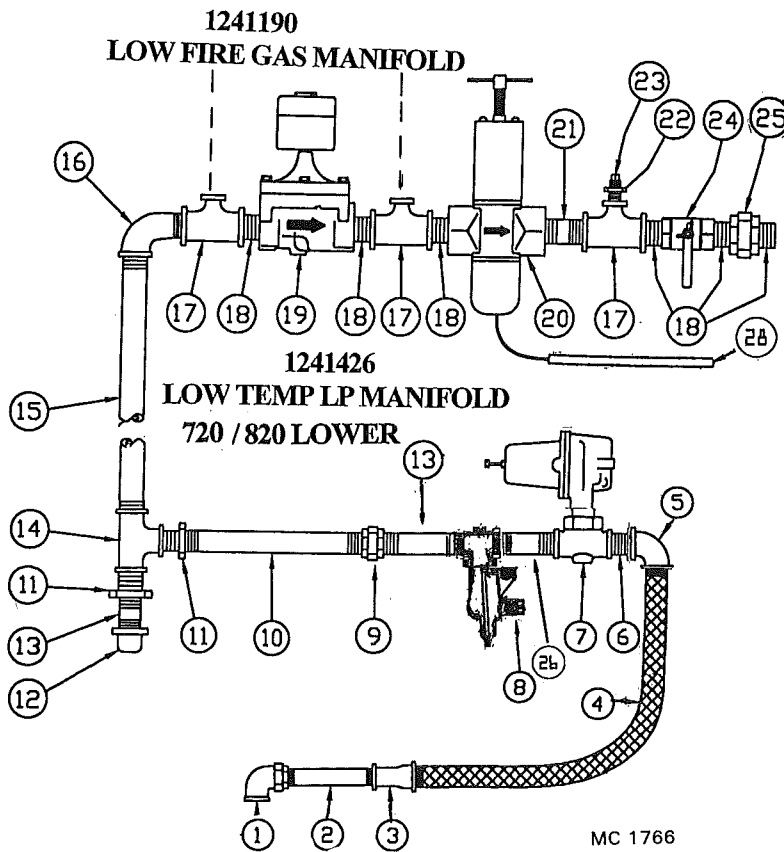
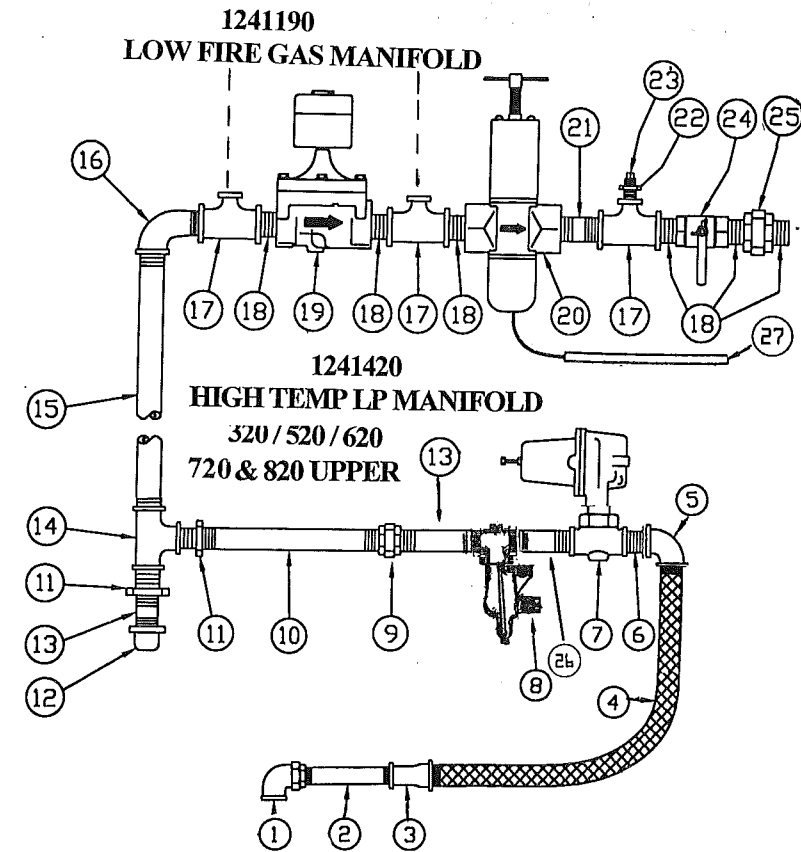
| Ref. Part No. | Qty. | Description | Ref. Part No. | Qty. | Description |
|---------------|----------|--|---------------|----------|---------------------------------|
| 1 | 096 108 | 2 1½" (38.1mm) Close Nipple | 5 | 123 8053 | 2 1¼" (31.8mm) Union |
| 2 | 095 428 | 2 1½" (38.1mm) 90° Elbow | 6 | 123 8051 | 2 1¼" (31.8mm) 90° Street Elbow |
| 3 | 125 8036 | 2 1½" to 1¼" (38.1-31.8mm) Reduce Bushing | 7 | 123 8069 | 3 1¼" (31.8mm) Close Nipple |
| 4 | 123 8085 | 2 1¼" x 19" (31.8mmx48.3cm) Pipe | 8 | 123 7003 | 1 1¼" (31.8mm) Hand Valve |
| | | | 9 | 123 8057 | 1 1¼" (31.8mm) Tee |

MANIFOLD TO BURNER #124 1276 CF620/720/820 LP OR NAT. GAS



| Ref. Part No. | Qty. | Description |
|---------------|----------|--|
| 1 | 096 108 | 1 1½" (38.1mm) Close Pipe Nipple |
| 2 | 095 428 | 1 1½" (38.1mm) 90° Elbow |
| 3 | 125 8036 | 1 1½" to 1¼" (38.1-31.8mm) Reduce Bushing |
| 4 | 123 8085 | 1 1¼" x 19" (31.8mmx48.3cm) Pipe |
| 5 | 123 8051 | 1 1¼" (31.8mm) 90° Elbow |
| 6 | 123 8069 | 1 1¼" (31.8mm) Close Pipe Nipple |
| 7 | 123 8053 | 1 1¼" (31.8mm) Union |

INFINITY LIQUID PROPANE (LP) GAS BURNER MANIFOLDS



**1241276
MANIFOLD TO BURNER
620 / 720 / 820**

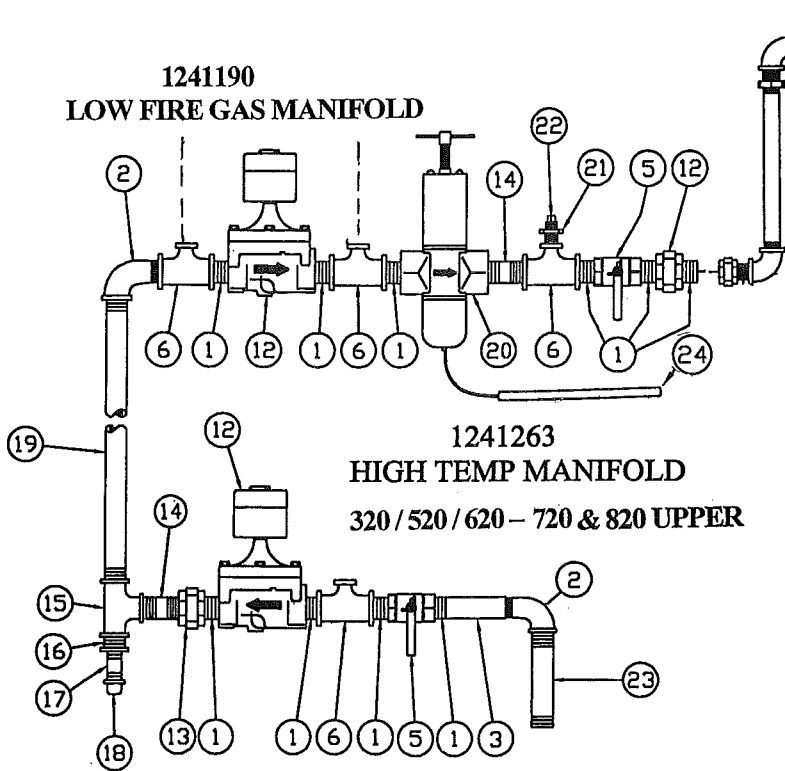
NOTE: Quantities shown are for one burner.

| Ref. Part No. | Qty. | Description |
|---------------|----------|--|
| 1 | 128 8010 | 1 1/2" (12.7mm) Union Elbow |
| 2 | 128 8052 | 1 1/2" x 3/2" (12.7x89mm) Nipple |
| 3 | 128 8041 | 1 3/4" x 1/2" (19x12.7mm) Coupling |
| 4 | 123 7033 | 1 3/4" (19mm) S.S. Braided Hose |
| 5 | 121 8027 | 1 3/4" (19mm) 90° Elbow |
| 6 | 121 8005 | 1 3/4" (19mm) Close Nipple |
| 7 | 128 7005 | 1 LP Pressure Regulator |
| 8 | 128 7020 | 1 LP Low Pressure Regulator |
| 9 | 121 8072 | 1 3/4" (19mm) Std. Union |
| 10 | 129 8037 | 1 3/4" x 10" (19x254mm) Nipple |
| 11 | 123 8078 | 2 3/4" to 1 1/4" (19 to 31.8mm) Hex. Reduce Bushing |
| 12 | 121 8034 | 1 3/4" (19mm) Pipe Cap |
| 13 | 121 8006 | 1 3/4" x 2" (19x50mm) Nipple |
| 14 | 123 8057 | 1 1 1/4" (31.8mm) Tee |
| 15 | 127 8021 | 1 1 1/4" x 9 1/2" (31.8x241mm) Nipple |
| 16 | 123 8062 | 1 1 1/4" (31.8mm) Street Elbow |
| 17 | 127 8131 | 3 1 1/4" x 1 1/4" x 3/8" (31.8x31.8x 9.5mm) Tee |
| 18 | 123 8069 | 6 1 1/4" (31.8mm) Close Nipple |
| 19 | 128 7001 | 1 1 1/4" (31.8mm) Solenoid Valve |
| 20 | 123 7024 | 1 1 1/4" (31.8mm) Mod. Valve High Temp. 140-250°F (60-121°C) |
| | 123 7002 | 1 1 1/4" (31.8mm) Mod. Valve Low Temp. 90-210°F (32-99°C) |
| 21 | 125 8013 | 1 1 1/4" x 2" (31.8x50mm) Nipple |
| 22 | 127 8132 | 1 1/4" to 3/8" (6.35x9.5mm) Reduce Bushing |
| 23 | 125 8066 | 1 1/4" (6.35mm) Pipe Plug |
| 24 | 123 7003 | 1 1 1/4" (31.8mm) Hand Firing Valve |
| 25 | 123 8053 | 1 1 1/4" (31.8mm) Union |
| 26 | 121 8069 | 1 3/4" x 3" (19x76mm) Pipe |
| 27 | 122 7036 | 1 Power Element 140-250°F (60-121°C) Standard - 15 ft. (4.6m) Capillary - Code "D" High Temp. Gas Manifold |
| | 122 7023 | 1 Power Element 90-210°F (32-99°C) Optional - Code "B" |
| | 122 7019 | 1 Power Element 55-155°F (13-68°C) Optional - Code "Y" |
| 28 | 122 7023 | 1 Power Element 90-210°F (32-99°C) Standard - 15 ft. (4.6m) Capillary - Code "B" Low Temp. Gas Manifold |

MC 1766

TORX T-30 WRENCH REQUIRED TO REMOVE POWER ELEMENT SCREWS.

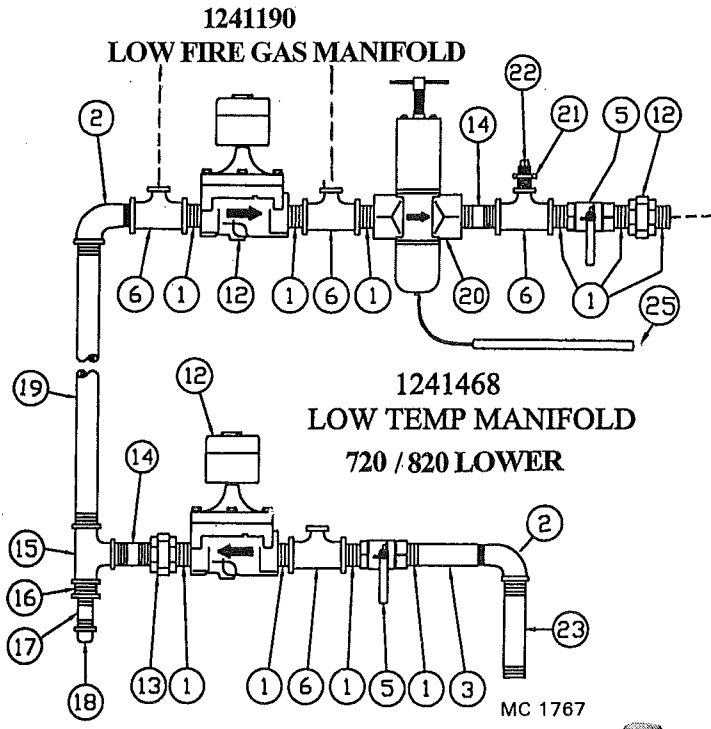
INFINITY NATURAL GAS BURNER MANIFOLDS



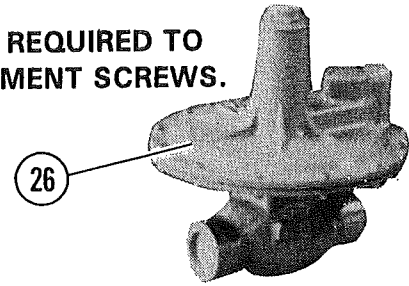
1241276
MANIFOLD TO BURNER
620 / 720 / 820

NOTE: Quantities shown are for one burner.

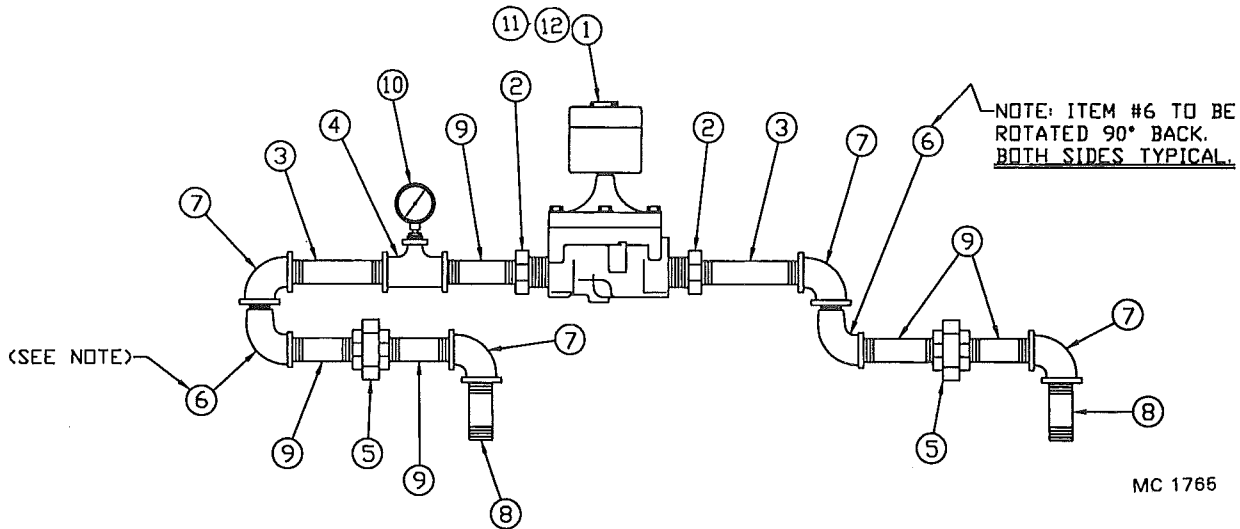
| Ref. Part No. | Qty. | Description |
|---------------|----------|--|
| 1 | 123 8069 | 10 1/4" (31.8mm) Close Nipple |
| 2 | 123 8062 | 2 1/4" (31.8mm) Street Elbow |
| 3 | 127 8060 | 1 1/4"x1/4"x1 (31.8x31.8x25.4mm) Tee |
| 5 | 123 7003 | 2 1/4" (31.8mm) Hand Valve |
| 6 | 127 8131 | 4 1/4"x1/4"x3/8" (31.8x31.8x9.5mm) Tee |
| 12 | 128 7001 | 2 1/4" (31.8mm) Solenoid Valve |
| 13 | 123 8053 | 2 1/4" (31.8mm) Union |
| 14 | 125 8013 | 2 1/4" x 2" (31.8x50mm) Std. Pipe |
| 15 | 123 8057 | 1 1/4" (31.8mm) Tee |
| 16 | 123 8078 | 1 3/4" to 1/4" (19 to 31.8mm) Reduce Bushing |
| 17 | 121 8006 | 1 3/4" x 2" (19x50mm) Extra Heavy Nipple |
| 18 | 121 8034 | 1 3/4" (19mm) Pipe Cap |
| 19 | 128 8075 | 1 1/4" x 14" (31.8mm x 35.6cm) Pipe |
| 20 | 123 7024 | 1 1/4" (31.8mm) Mod. Valve High Temp. 140-250°F (60-121°C) |
| | 123 7002 | 1 1/4" (31.8mm) Mod. Valve Low Temp. 90-210°F (32-99°C) |
| 21 | 127 8132 | 1 3/8" to 1/4" (9.5 to 6.35mm) Reduce Bushing |
| 22 | 125 8066 | 1 1/4" (6.35mm) Pipe Plug |
| 23 | 123 8055 | 1 1/4" x 4" (31.8x102mm) Std. Pipe |
| 24 | 122 7036 | 1 Power Element 140-250°F (60-121°C) Standard - 15 ft. (4.6m) Capillary - Code "D" High Temp. Gas Manifold |
| | 122 7023 | 1 Power Element 90-210°F (32-99°C) Optional - Code "B" |
| | 122 7019 | 1 Power Element 55-155°F (13-68°C) Optional - Code "Y" |
| 25 | 122 7023 | 1 Power Element 90-210°F (32-99°C) Standard - 15 ft. (4.6m) Capillary - Code "B" Low Temp. Gas Manifold |
| 26 | 128 7014 | 1 High Pressure Nat. Gas Regulator - (1) for each dryer |



TORX T-30 WRENCH REQUIRED TO REMOVE POWER ELEMENT SCREWS.



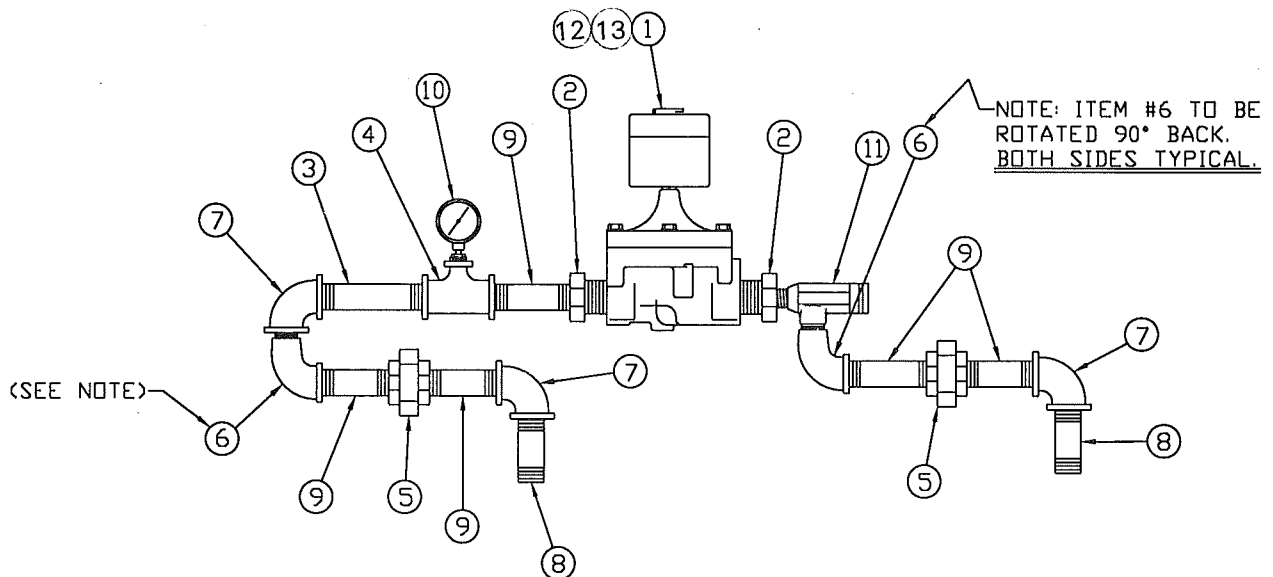
LOW FIRE LP GAS MANIFOLD #124 1190



| Ref. Part No. | Qty. | Description |
|---------------|------|------------------------------------|
| 1 121 7002 | 1 | 3/4" (19mm) Solenoid Valve |
| 2 128 5465 | 2 | 3/4" x 3/8" (19x9.5mm) Hex Bushing |
| 3 128 5463 | 2 | 3/8" x 2" (9.5x50mm) Pipe |
| 4 128 5471 | 1 | 3/8" (9.5mm) Tee |
| 5 128 5469 | 2 | 3/8" (9.5mm) Union |
| 6 128 5467 | 2 | 3/8" (9.5mm) 90° St. Elbow |
| 7 128 5468 | 4 | 3/8" (9.5mm) 90° Elbow |

| Ref. Part No. | Qty. | Description |
|---------------|------|---------------------------------------|
| 8 128 5464 | 2 | 3/8" (9.5mm) Close Pipe Nipple |
| 9 128 5462 | 5 | 3/4" x 1 1/2" (19x38.1mm) Pipe Nipple |
| 10 120 7007 | 1 | Pressure Gauge 0-3 psig. |
| 11 122 7035 | 1 | Repair Kit for Ref. #1 |
| 12 122 7001 | 1 | Coil for Ref. #1 |

LOW FIRE NAT. GAS MANIFOLD #124 1332



| Ref. Part No. | Qty. | Description |
|---------------|------|------------------------------------|
| 1 121 7002 | 1 | 3/4" (19mm) Solenoid Valve |
| 2 128 5465 | 2 | 3/4" x 3/8" (19x9.5mm) Hex Bushing |
| 3 128 5463 | 1 | 3/8" x 2" (9.5x50mm) Pipe |
| 4 128 5471 | 1 | 3/8" (9.5mm) Tee |
| 5 128 5469 | 2 | 3/8" (9.5mm) Union |
| 6 128 5467 | 2 | 3/8" (9.5mm) 90° St. Elbow |
| 7 128 5468 | 3 | 3/8" (9.5mm) 90° Elbow |

| Ref. Part No. | Qty. | Description |
|---------------|------|---------------------------------------|
| 8 128 5464 | 2 | 3/8" (9.5mm) Close Pipe Nipple |
| 9 128 5462 | 5 | 3/4" x 1 1/2" (19x38.1mm) Pipe Nipple |
| 10 120 7007 | 1 | Pressure Gauge 0-3 psig. |
| 11 128 7021 | 1 | Adjustable Orifice |
| 12 122 7035 | 1 | Repair Kit for Ref. #1 |
| 13 122 7001 | 1 | Coil for Ref. #1 |

LIMIT SWITCHES & THERMOMETERS

Repair Kits and Parts for Modulating Valves, Solenoid Valves and LP Gas Pressure Regulators

Modulating Valves 123 7002 & 123 7024

- 122 9993 Seat Kit (Incl. stem, disc holder & diaphragm)
- 122 7006 Diaphragm

1 1/4" (31.8mm) Solenoid Valve 128 7001

- 122 7034 Repair Kit (See note)
- 4607 Coil

Liquid LP

3/4" (19mm) Low Fire Solenoid Valve 121 7002

- 122 7035 Repair Kit
- 122 7001 Coil

1/2" (12.7mm) Solenoid Valve 125 7082

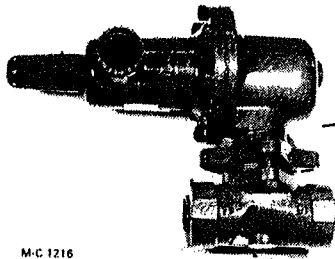
- 122 7039 Repair Kit (See note)
- 122 7001 Coil

NOTE: Kit includes all internal parts that would require replacement in normal service and installation instructions.

Fisher LP Gas Pressure Regulators

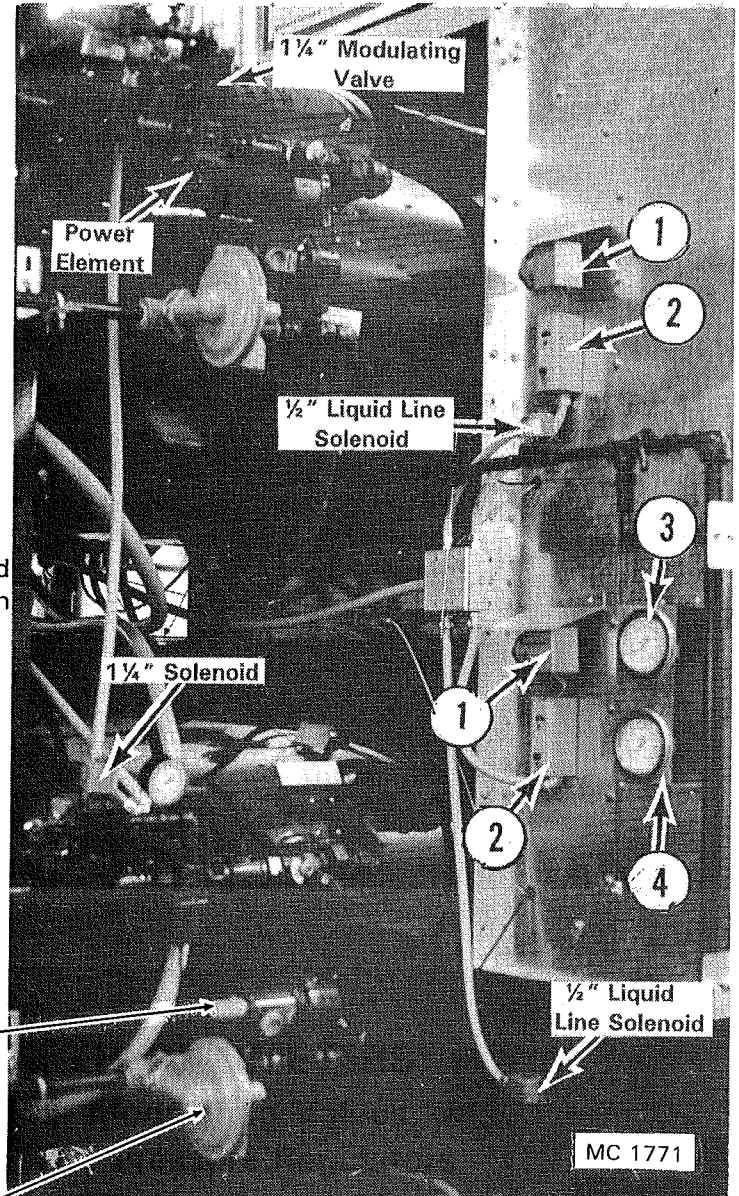
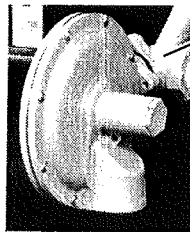
LP Gas High Pressure Regulator 128 7005

- 122 7043 Diaphragm (Nitrile)
- 122 7044 Disc Assembly
- 122 7045 Control Spring (Yellow)
- 122 7046 Stabilizer
- 122 7047 Diaphragm Case O Ring



M-C 1216

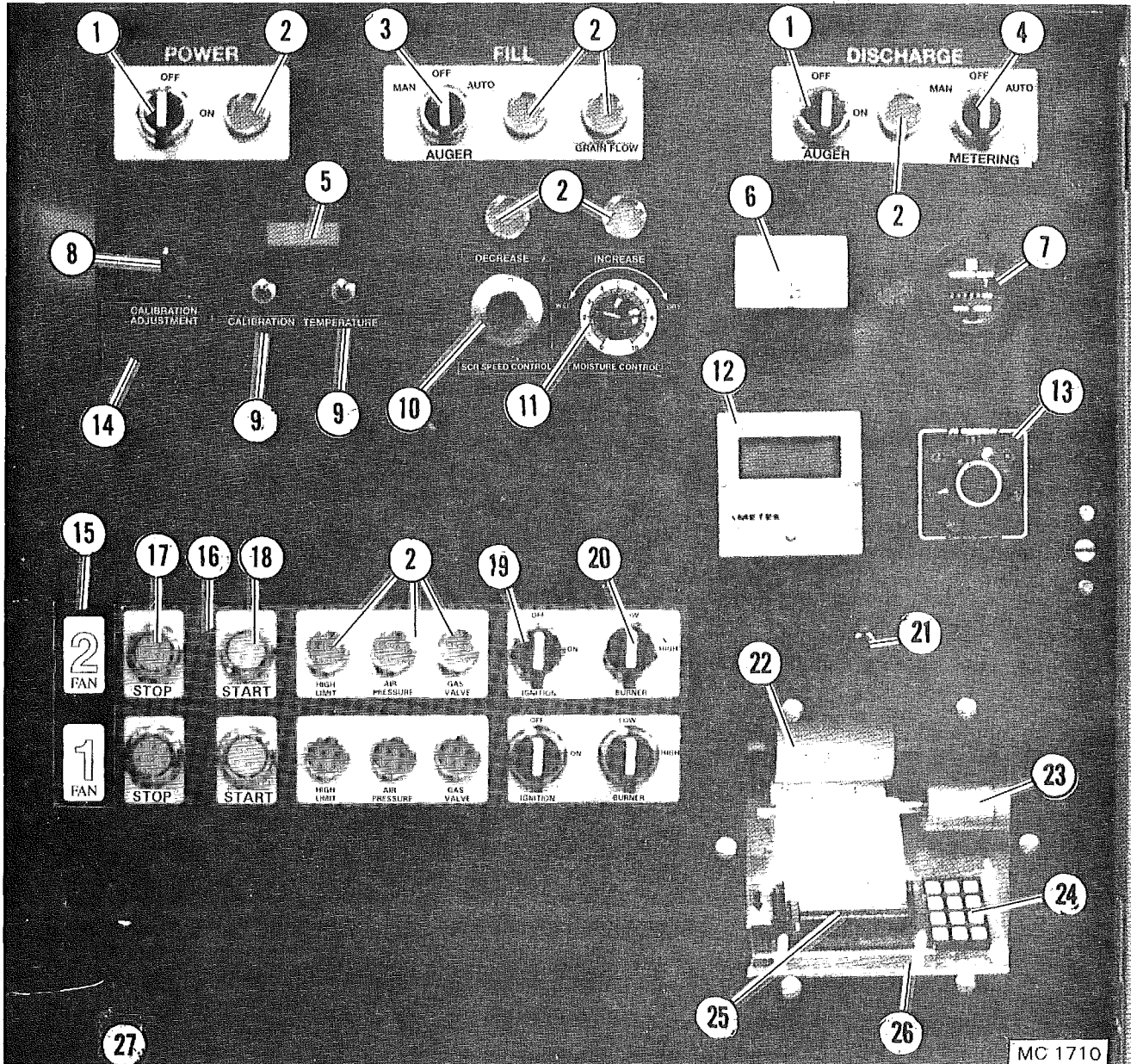
LP Gas Low Pressure Regulator 128 7020



Limit Switches & Thermometers

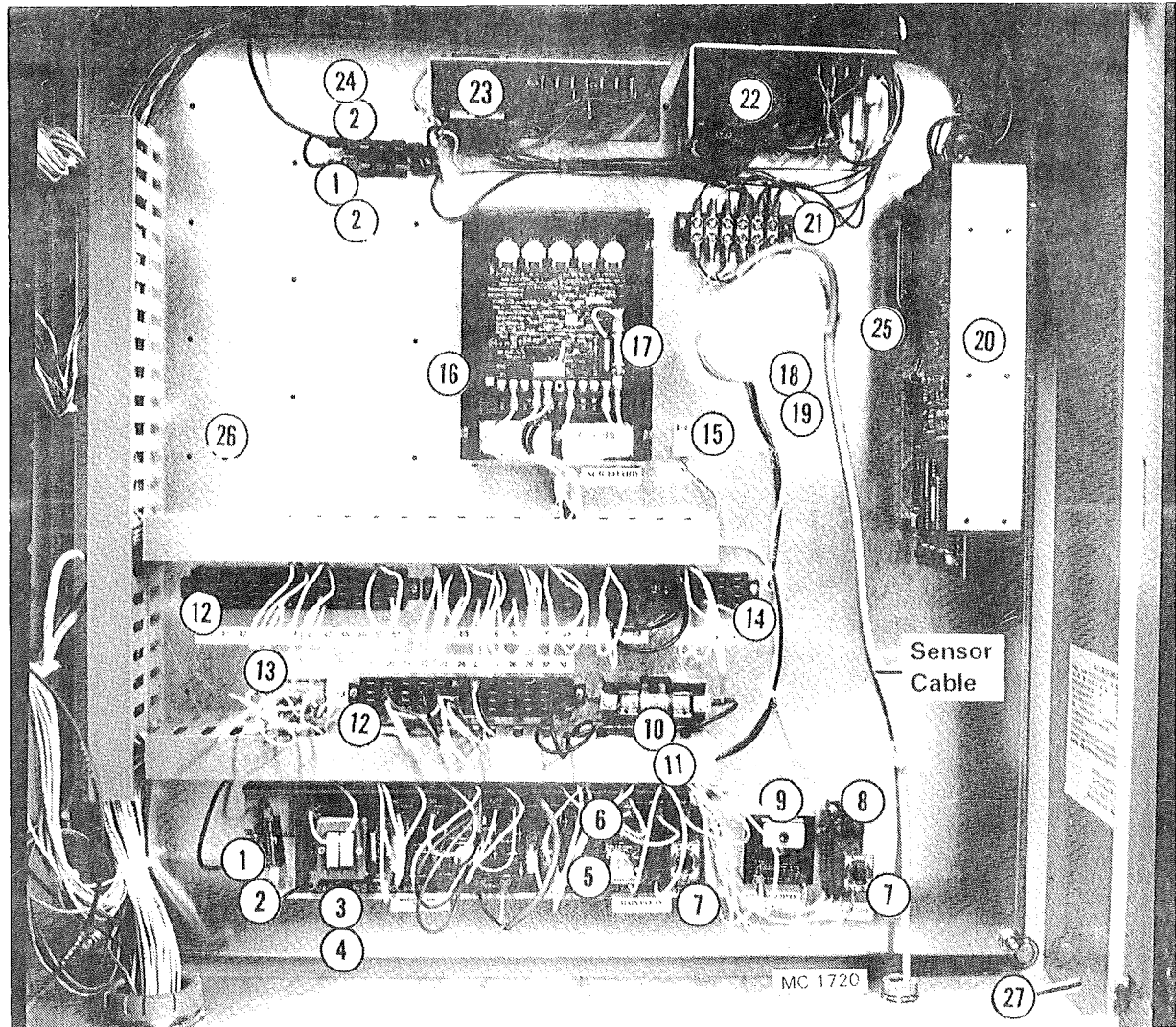
| Ref. | Part No. | Qty. | Description |
|------|----------|------|--|
| 1 | 121 6849 | AR | Air Pressure Switch |
| 2 | 124 6934 | AR | High Limit Switch, Adjustable |
| 3 | 128 8983 | AR | Thermometer 15 ft. Capillary |
| 4 | 124 2871 | 1 | Thermometer Double Mount Bracket 720 & 820 |
| | 124 2872 | 1 | Thermometer Single Mount Bracket 320/520/620 |

REMOTE CABINET INSIDE CONTROL DOOR



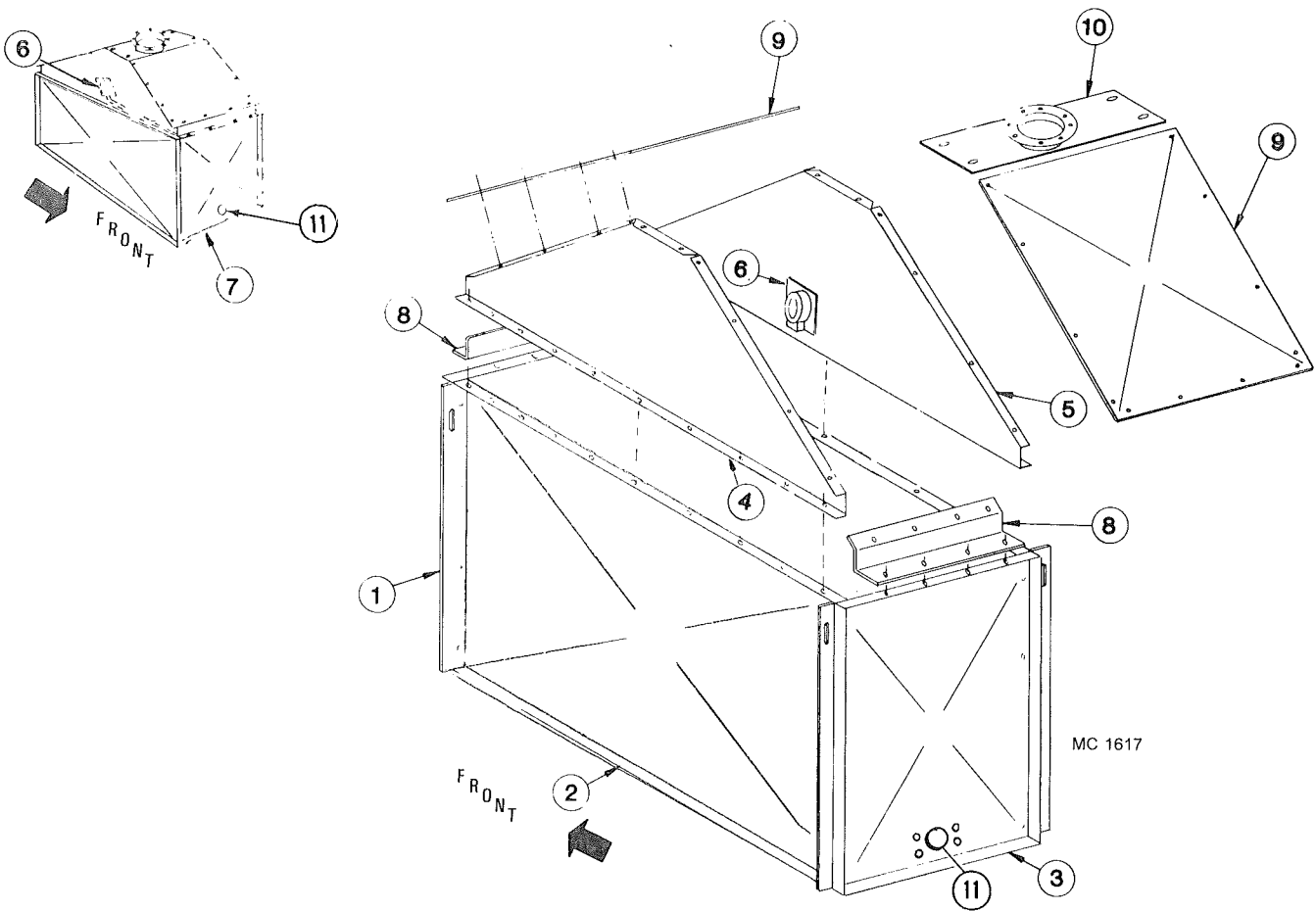
| Ref. | Part No. | Qty. | Description | Ref. | Part No. | Qty. | Description |
|------|----------|------|--|------|----------|------|---|
| 1 | 125 6809 | 2 | OFF-ON-ON Momentary Contact Switch | 124 | 6961 | AR | Digital Thermometer Thermocouple 180" (4.6m) |
| 2 | 125 6808 | AR | Indicator Light | 13 | 124 6959 | 1 | Rotary Selector Switch 5-Way for 124 6958 |
| 3 | 125 6810 | 1 | Switch ON-OFF-ON (Level Auger) | 14 | 124 8303 | 1 | Power Control Bezel |
| 4 | 125 6811 | 1 | Switch ON-OFF-ON (Metering Rolls) | 15 | 124 8300 | 1 | Fan & Burner Bezel 1 & 2 |
| 5 | 122 7068 | 1 | Digital Display Meter | 16 | 124 8304 | 1 | Fan & Burner Control Bezel |
| 6 | 124 6981 | 1 | Discharge Meter | 17 | 128 6845 | 2 | Stop Button - Fan |
| 7 | 444 645 | 1 | Hour Meter | 18 | 128 6844 | 2 | Start Button - Fan |
| 8 | 122 7069 | 1 | Calibration Potentiometer-Monitor | 19 | 125 6812 | 2 | Switch OFF-ON - Ignition |
| 9 | 125 6834 | 2 | Push Button-Calibration and Grain Temperature | 20 | 125 6813 | 2 | Switch HIGH-LOW - Burner |
| 10 | 124 1195 | 1 | SCR Drive Potentiometer (10 Turn with Wires) 42" (107cm) | 21 | 125 6839 | 1 | Switch ON-OFF - Printer |
| | 124 6892 | 1 | Multi Dial with Lock | 22 | 122 7061 | 1 | Thermal Paper 3 1/8" x 246 ft. (7.94cm x 75m) |
| 11 | 124 6955 | 1 | Moisture Control Potentiometer & Wires 60" (153cm.) | 23 | | 1 | Printer Take-Up Assembly |
| | 124 6941 | 1 | Dial | 24 | | 1 | Keyboard, 12 Button |
| 12 | 124 6958 | 1 | Digital Thermometer Main Frame °F | 25 | | 1 | Printer with Flat Cable |
| | 123 6920 | 1 | Digital Thermometer Main Frame °C | 26 | 122 7074 | 1 | Printer Assembly |
| | | | | 27 | 124 4876 | 1 | 2-Fan Inside Control Door (only) |

ELECTRICAL COMPONENTS IN 115 VOLT CONTROL CABINET



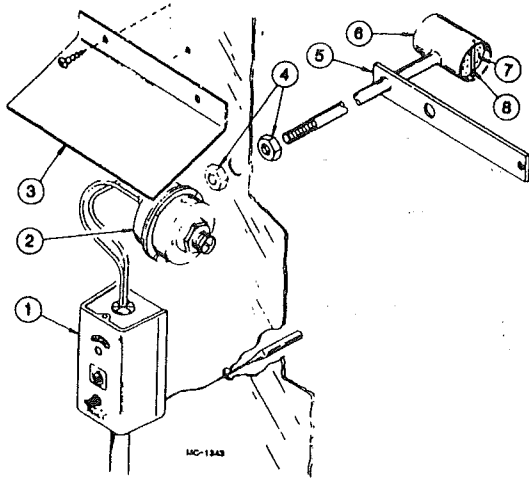
| Ref. | Part No. | Qty. | Description | Ref. | Part No. | Qty. | Description |
|------|----------|------|--|-------------------|----------|----------------------------------|--|
| 1 | 124 6937 | 2 | 1 Amp Fuse – Slow Blow | 17 | 121 6805 | 1 | 10 Amp – GLH Fuse |
| 2 | 125 6836 | 3 | Fuse Holder | 18 | 124 6841 | 1 | Light Bulb Socket |
| 3 | 124 6995 | 1 | Moisture Control Board | 19 | 124 6850 | 1 | 25 Watt Rough Service Bulb |
| 4 | 128 5828 | 1 | Snap Track 14" (36cm) | 20 | | 1 | Monitor & Printer Interface Board Holder |
| 5 | 021 6809 | 1 | Relay | 122 7066 | | 1 | Monitor Interface Board °Fahrenheit |
| 6 | 124 6972 | 1 | Relay and Timer Socket Board | 122 7067 | | 1 | Monitor Interface Board °Celsius |
| 7 | 124 6978 | 2 | 60 Minute Adjustable Timer | 122 7071 | | 1 | Printer Interface Board °Fahrenheit |
| 8 | 124 6987 | 1 | Cold Grain Timer Base | 122 7072 | | 1 | Printer Interface Board °Celsius |
| 9 | 124 6996 | 1 | 0 to 3 Minute Adjustable Level Auger Timer | 21 | 125 6830 | 1 | Terminal Blocks-Sensor-6 Position |
| 10 | 125 6956 | 1 | 7 Amp Fuse (NON-7) | 22 | 122 7070 | 1 | Printer Power Supply |
| 11 | 128 6851 | 1 | Fuse Holder | 23 | 122 7065 | 1 | Moisture Monitor Power Supply |
| 12 | 124 6928 | 3 | Terminal Block 12-Position (Black) | 24 | 125 6838 | 1 | 3/4 Amp Fuse |
| 13 | 124 6929 | 1 | Terminal Block 3-Position (White) | 25 | 124 6214 | 1 | Mount Bracket for Interface Board Holder # |
| 14 | 125 6805 | 1 | Terminal Block 4-Position (Black) | 26 | 124 4877 | 1 | Component Mounting Board |
| 15 | 125 6918 | 1 | Ground Lug | 27 | 125 6952 | 1 | Cabinet 30 x 30" (76 x 76cm) |
| 16 | 124 6874 | 1 | SCR Board (Dart) | | | | |
| | | | | Not Shown: | | | |
| | | | | 128 7016 | 1 | Sensor with 40 ft. (12.2m) Cable | |

320 HOPPER AND HOPPER EXTENSION



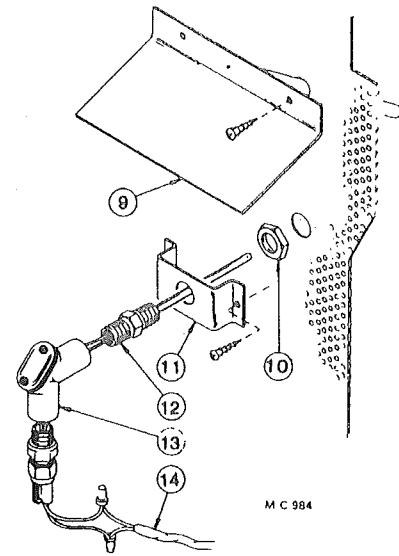
| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 1 | 129 3412 | 4 | Lifting Bar |
| 2 | 129 2843 | 2 | Hopper Side |
| 3 | 129 2853 | 1 | Rear Hopper End Panel w/View Lens Hole |
| 4 | 124 4777 | 1 | Hopper Extension LH |
| 5 | 129 2849 | 1 | Hopper Extension – Level Switch – Diaphragm RH |
| 6 | 128 6992 | 1 | Level Switch-Diaphragm Type - After 1 Jan. 2002, see page 37 |
| | 125 6824 | 1 | Level Switch-Proximity Type - 2001 Models Only |
| 7 | 129 4951 | 1 | Front Hopper End Panel w/View Lens Hole |
| 8 | 124 4776 | 2 | Hopper Extension End Angle |
| 9 | 124 4775 | 2 | Hopper Extension Top |
| 10 | 128 0336 | 1 | Grain Receiving Inlet |
| 11 | 129 5702 | 2 | Port View Lens |
| | 000 8212 | 8 | ¼-20 x ½" (6.35 x 12.7mm) Truss Head Bolt |
| | 000 8167 | 8 | ¼" (6.35mm) Whiz Locknut |

Moisture Control, Sensor, Air Pressure and High Limit Switches



Air Pressure and High Limit Switches

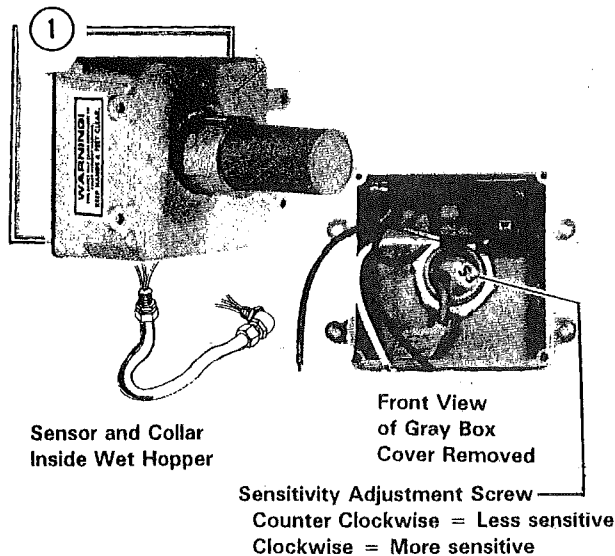
| Ref. Part No. | Description |
|---------------|---|
| 1 124 6934 | High Limit Switch – Adjustable-Manual Reset |
| 2 121 6849 | Air Pressure Switch |
| 3 121 2946 | High Limit Switch Cover |
| 4 121 8000 | Pipe Locknut – ¼" (6.35mm) |
| 5 121 2007 | Air Pressure Tube Bracket |
| 6 121 0169 | Air Pressure Tube |
| 7 121 5716 | Air Pressure Tube Filter |
| 8 ----- | Filter Retainer (Wire) |



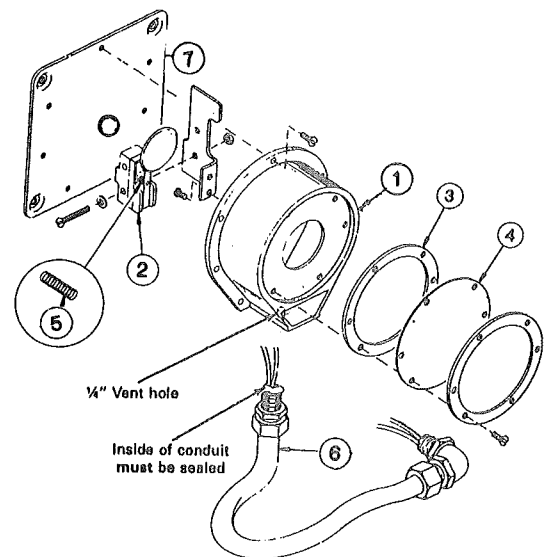
Moisture Control Sensor

| Ref. Part No. | Description |
|---------------|---------------------------|
| 9 121 0031 | Moisture Control Shield |
| 10 121 6915 | Locknut – ½" (12.7mm) |
| 11 128 3007 | Bracket |
| 12 124 6893 | Thermistor Sensing Probe |
| 13 123 8089 | ½" (12.7mm) Handy EI |
| 14 125 6908 | 18/2 PVC Cord with Shield |

Wet Holding Hopper Level Switch Assembly – Proximity Style All 2001 Models – – Diaphragm Style All Models Starting 1 Jan. 2002 –

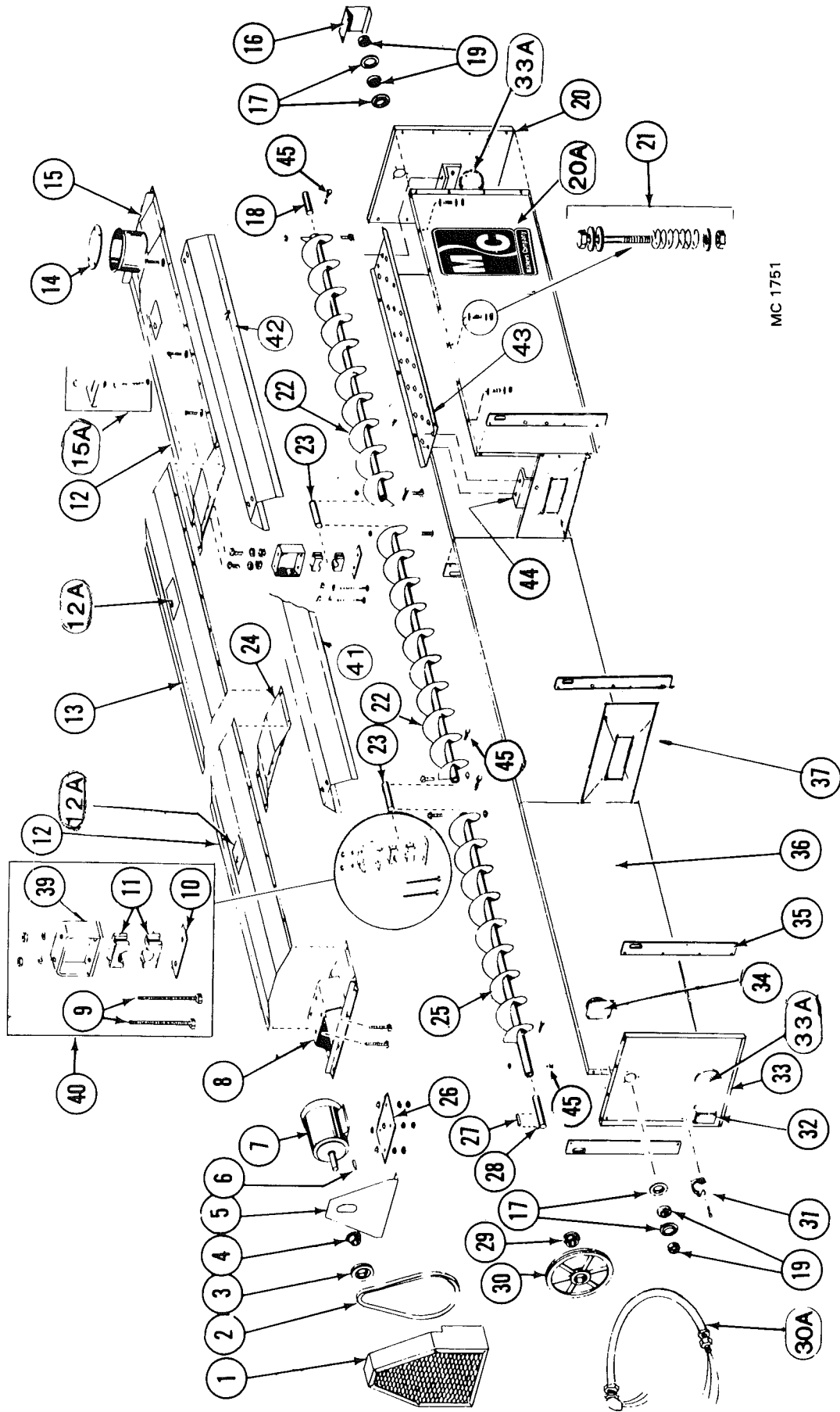


| Ref. Part No. | Qty. | Description |
|---------------|------|---|
| 1 128 6992 | 1 | Level Switch – Diaphragm Type (Less #6) |
| 125 6824 | 1 | Level Switch – Proximity Type |
| 2 122 6848 | 1 | Micro Switch Assembly |
| 3 122 6850 | 1 | Gasket |



| Ref. Part No. | Qty. | Description |
|---------------|------|----------------------------|
| 4 122 6849 | 1 | Diaphragm (Teflon) |
| 5 122 6847 | 1 | Spring |
| 6 128 1995 | 1 | Level Switch Wire Assembly |
| 7 129 2855 | 1 | Face Plate |

Hopper and Level Auger



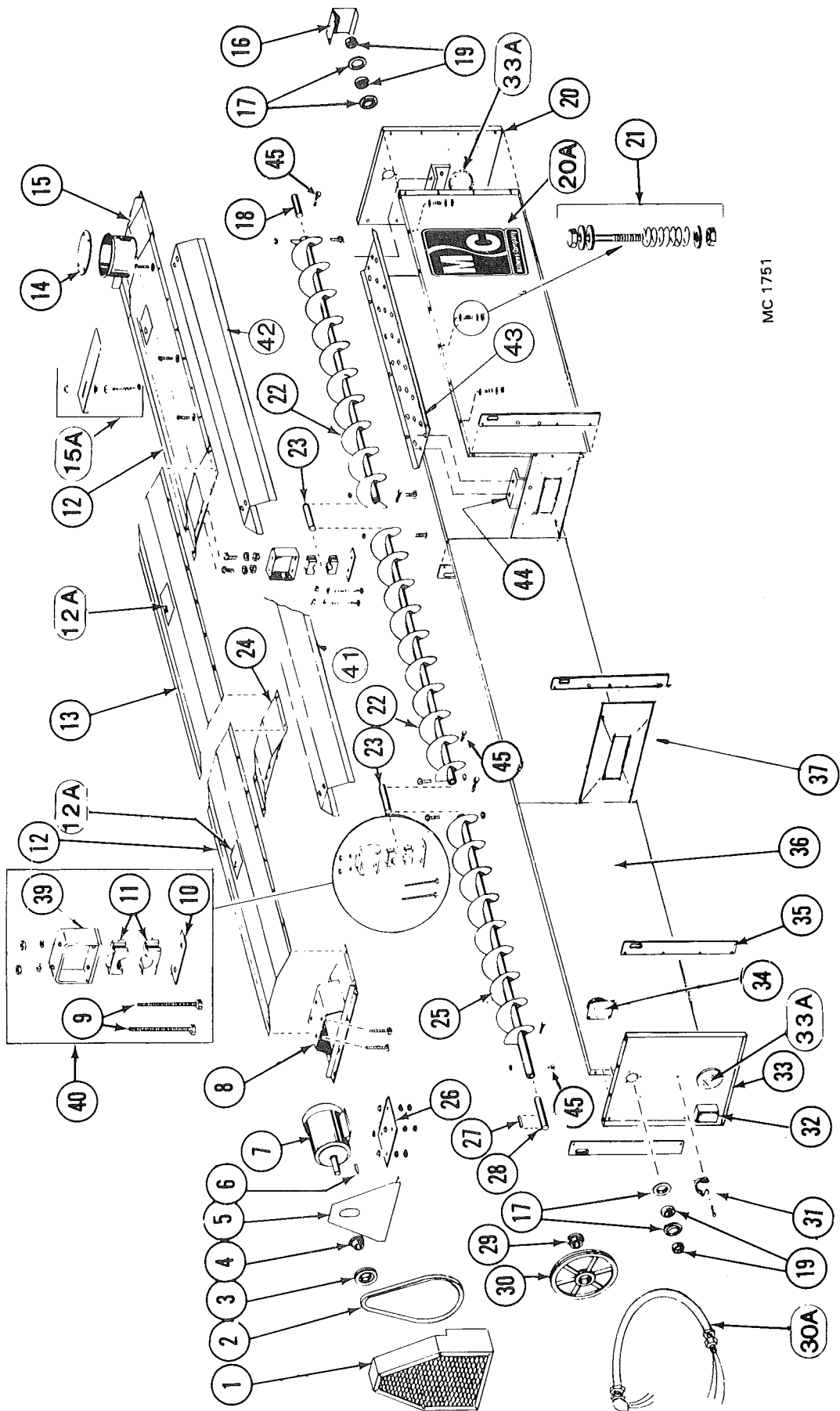
MC 1751

Hopper and Level Auger

| 16 ft. 24 ft. (4.9m) (7.3m) | | | | 16 ft. 24 ft. (4.9m) (7.3m) | | | | |
|--------------------------------|----------|------|--|--------------------------------|----------|------|---|-----------------------------------|
| Ref. | Part No. | Qty. | Description | Ref. | Part No. | Qty. | Description | |
| 1 | 129 0003 | 1 | Level Auger Guard | 13 | 129 2946 | - | Hopper Cover - Center 83" (211cm) | |
| 2 | 128 6103 | 1 | 2/3V/710 (banded belt) or 128 6104 in matched set of two | 14 | 129 4204 | 1 | Receiving Tube Cover | |
| 3 | 128 6207 | 1 | 3V/3.65 x 2 Groove Pulley 60 Cycle | 15 | 129 0002 | 1 | Receiving Hopper | |
| | 128 6220 | 1 | 3V/4.5 X 2 Groove Pulley 50 Cycle | 15A | 129 4205 | 1 | Flow Restrictor | |
| 4 | 128 6214 | 1 | 1 1/2" (28.6mm) SH Bushing for 3HP & 5HP motor (Incl. capscrews & lockwashers) | 16 | 129 5703 | 1 | Position & Locking Bolt | |
| 5 | 129 4944 | 1 | Level Auger Guard Back | 000 8168 | 3 | 3 | 3/8-16 Flanged Locknut | |
| 6 | 001 5119 | 1 | Key - 1/4"x1/4"x2" (6.35x6.35x51mm) 3HP & 5HP motors | 129 4947 | 1 | 1 | Stub Guard | |
| 7 | 128 6818 | 1 | 3HP 3Ø Motor 230/380/460V | 001 6004 | 4 | 4 | Bearing Flangette 1 1/4" (31.75mm) | |
| | 128 6815 | - | 5HP 3Ø Motor 230/380/460V | 128 5052 | 1 | 1 | Level Auger Rear Shaft 1 1/4" x 8" (31.75 x 203mm) | |
| | 128 6829 | 1 | 3HP 1Ø Motor 230V-670/690/970 1Ø | 001 6003 | 2 | 2 | Bearing w/Lock Collar 1 1/4" (31.75mm) | |
| 8 | 129 0001 | 1 | Level Auger Motor Mount | 129 2848 | 1 | 1 | Hopper End Panel - Rear w/View Lens | |
| 9 | 001 8287 | 2 | 3/8"-16 x 3 3/4" (9.5 x 95.2mm) Capscrew - Grade 5 | 20A | 121 8343 | 2 | 2 | M-C Decal 26 1/2" x 23" (67x60cm) |
| | 000 8162 | 4 | 3/8-16 Hex Nut | 000 8101 | 12 | 18 | 1/4-20x2" (6.35x51mm) Capscrew | |
| 10 | 128 3415 | 1 | Bearing Hanger Bar | 131 8718 | 12 | 18 | Spring 5/8" OD x 1 3/4" (15.9 x 44.5mm) Plated | |
| 11 | 128 6021 | 1 | Wood Bearing - 1 1/4" (31.75mm) 2 halves | 000 8172 | 36 | 54 | 1/4" (6.35mm) Flatwasher | |
| 12 | 129 2945 | 2 | Hopper Cover - Front & Rear 76" (193cm) | 000 8210 | 12 | 18 | 1/4-20 Two-Way Locknut | |
| 12A | 128 8355 | 2 | 3 Warning Decal | | | | | |

Continued on next page

Hopper and Level Auger

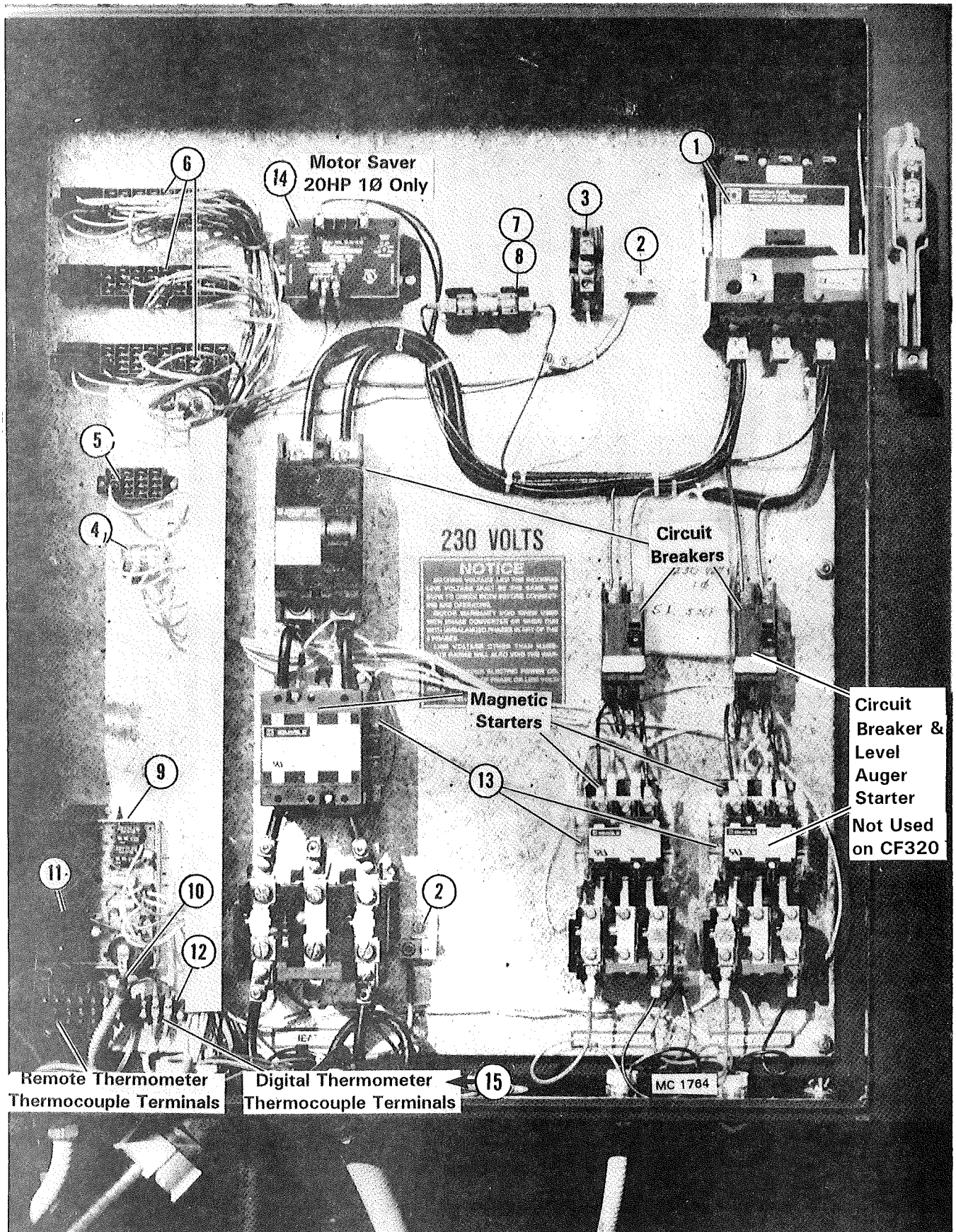


MC 1751

Hopper and Level Auger

| 16 ft. 24 ft. (4.9m) (7.3m) | | 16 ft. 24 ft. (4.9m) (7.3m) | | | | | |
|--------------------------------|----------|--------------------------------|--|----------|----------|---|---|
| Ref. | Part No. | Qty. | Description | Ref. | Part No. | Qty. | Description |
| 22 | 128 0122 | 1 | Level Auger 93 1/2" (238cm) RH Flighting | 34 | 125 6824 | 1 | Level Switch - Proximity Type - 2001 Models Only |
| 23 | 128 5050 | 1 | Level Auger Center Shaft 1 1/4" x 10 1/4" (3.175 x 26cm) | 128 6992 | 1 | Level Switch - Diaphragm Type - After 1 Jan. 2002, see page 37 | |
| 24 | 129 0000 | 1 | Level Auger Support | 35 | 129 3412 | 4 | Lifting Bar |
| 25 | 128 0317 | 1 | Level Auger 86" (218cm) RH Flighting | 36 | 129 2836 | 4 | Hopper Side |
| 26 | 129 4202 | 1 | Level Auger Motor Mount Plate | 37 | 129 2715 | 1 | Hopper Sectional Panel |
| | 000 8161 | 4 | 1/2-13 x 3 1/2" (12.7 x 89mm) Capscrew (Full Thread) | 38 | 129 2603 | 6 | Hopper Brace |
| | 000 8170 | 4 | 1/2-13 (12.7mm) Flanged Locknut | 39 | 128 0292 | 1 | Level Auger Brg. Support Bracket |
| | 000 8163 | 8 | 1/2-13 (12.7mm) Hex Nut | 001 8209 | 2 | 3/8-16 x 1" (9.5 x 25.4mm) Hex Washer Head Bolt - Grade 5 | |
| 27 | 001 5120 | 1 | Key-1/4" x 1 1/2" (6.35 x 38.1mm) | 001 8139 | 2 | 3/8" (9.5mm) Lockwasher | |
| 28 | 128 5051 | 1 | Level Auger Front Shaft 1 1/4" x 10" (3.175 x 25.4cm) | 000 8162 | 2 | 3/8-16 (9.5mm) Hex Nut | |
| 29 | 121 6241 | 1 | 1 1/4" (31.75mm) SK Bushing Incl. capscrews & lockwashers | 122 1008 | 1 | Level Auger Bearing Kit (Incl. Ref. 9, 10, 11 & 39 in quantities reqd. for one bearing) | |
| 30 | 128 6208 | 1 | 3V/19.0 x 2 Groove Pulley | 129 2839 | - | Auger Cover Long | |
| 30A | 128 1960 | 1 | L.A. Motor Flexible Conduit w/Wires | 129 2838 | 1 | Auger Cover Short | |
| 31 | 128 8951 | 1 | Rubber Strap w/Hook | 128 2761 | 1 | Pan Under Auger | |
| 32 | 123 6884 | 1 | Round Box 1/2" (12.7mm) | 128 2760 | 2 | Auger Pan Support Bracket | |
| 33 | 129 2850 | 1 | Hopper End Panel - Front for Proximity Switch | 001 8137 | 8 | 3/8"-16 x 2" (9.5 x 50mm) Capscrew - Grade 5 | |
| | 129 2851 | 1 | Hopper End Panel - Front for Diaphragm Switch | 001 8149 | 8 | 3/8"-16 (9.5mm) Two-Way Locknut | |
| 33A | 129 5702 | 2 | Port View Lens | | | | |

BURNER & MOTOR CONTROL CABINET CF320, CF520 OR 620 SINGLE PHASE 230 VOLTS

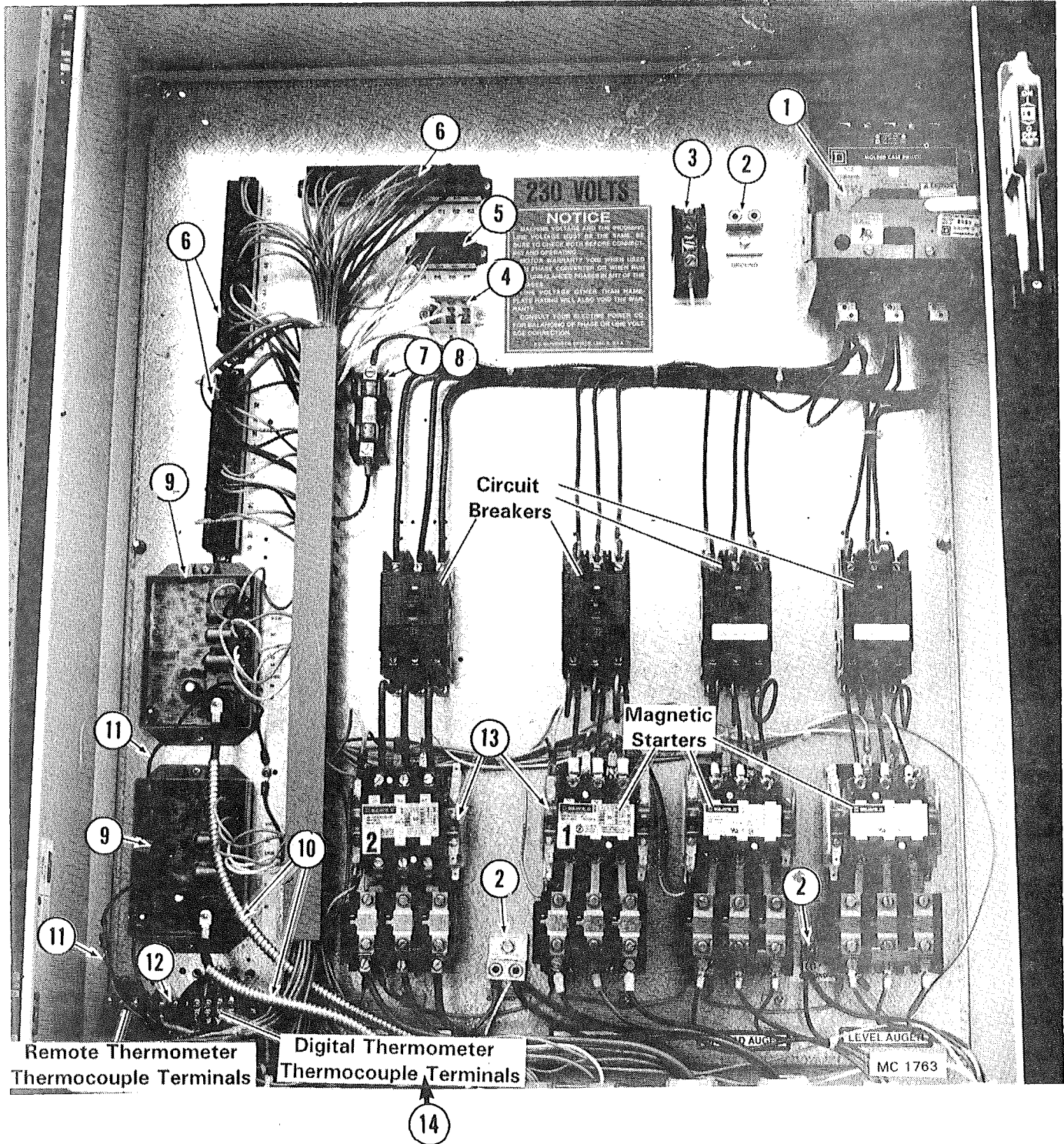


BURNER & MOTOR CONTROL CABINET CF320, CF520 OR 620 SINGLE PHASE 230 VOLTS

| Ref. | Part No. | Qty. | Description |
|-------------------|----------|------|--|
| 1 | 125 6925 | 1 | Quick Disconnect Switch – 100 Amps – CF320 (1Ø/230V) – CF320 (3Ø/230/460/575V) – CF 520 & 620 (3Ø/460/575V) |
| | 125 6945 | 1 | Mechanism |
| | 125 6946 | 1 | Lug Kit |
| | 128 7517 | 1 | Quick Disconnect Switch – 150 Amps – CF520 & 620 (1Ø/230V) – CF520 & 620 (3Ø/230V) |
| | 125 6945 | 1 | Mechanism |
| | 125 6946 | 1 | Lug Kit |
| 2 | 125 6918 | 3 | Grounding Lug |
| 3 | 127 6823 | 1 | Neutral Lug – 230V Only |
| 4 | 124 6929 | 1 | Terminal Block 3-Position (White) |
| 5 | 125 6805 | 1 | Terminal Block 4-Position (Black) |
| 6 | 124 6928 | 3 | Terminal Block 12-Position (Black) |
| 7 | 125 6956 | 1 | 7 Amp Fuse (NON-7) |
| 8 | 128 6851 | 1 | Fuse Holder |
| 9 | 124 6994 | 2 | 115V Ignition Board |
| 10 | 122 9003 | 2 | Ignition Wire – 84" (213cm) w/90° Boot |
| 11 | 124 1079 | 2 | Low Voltage Black Wire Assembly (Sense Probe) 18 ga. 84" (213cm) |
| 12 | 125 6842 | 1 | Terminal Block-Screw Type 10-Position (Black) Moisture Sensor & Remote Thermometer Thermocouples |
| 13 | 124 6933 | AR | Interlock Contactor |
| 14 | 124 6947 | 1 | Motor Saver (20HP 1Ø Motor Only) |
| 15 | 124 6961 | AR | Digital Thermometer Thermocouple 180" (4.6m) |
| Not Shown: | | | |
| | 124 6980 | 1 | Grounding Rod – 9/16" x 8 ft. |
| | 124 6979 | 1 | Grounding Rod Clamp |

See pages 50 & 51 for Motor, Circuit Breaker, and Magnetic Starter part numbers.

BURNER & MOTOR CONTROL CABINET CF720 THREE PHASE 230 VOLTS

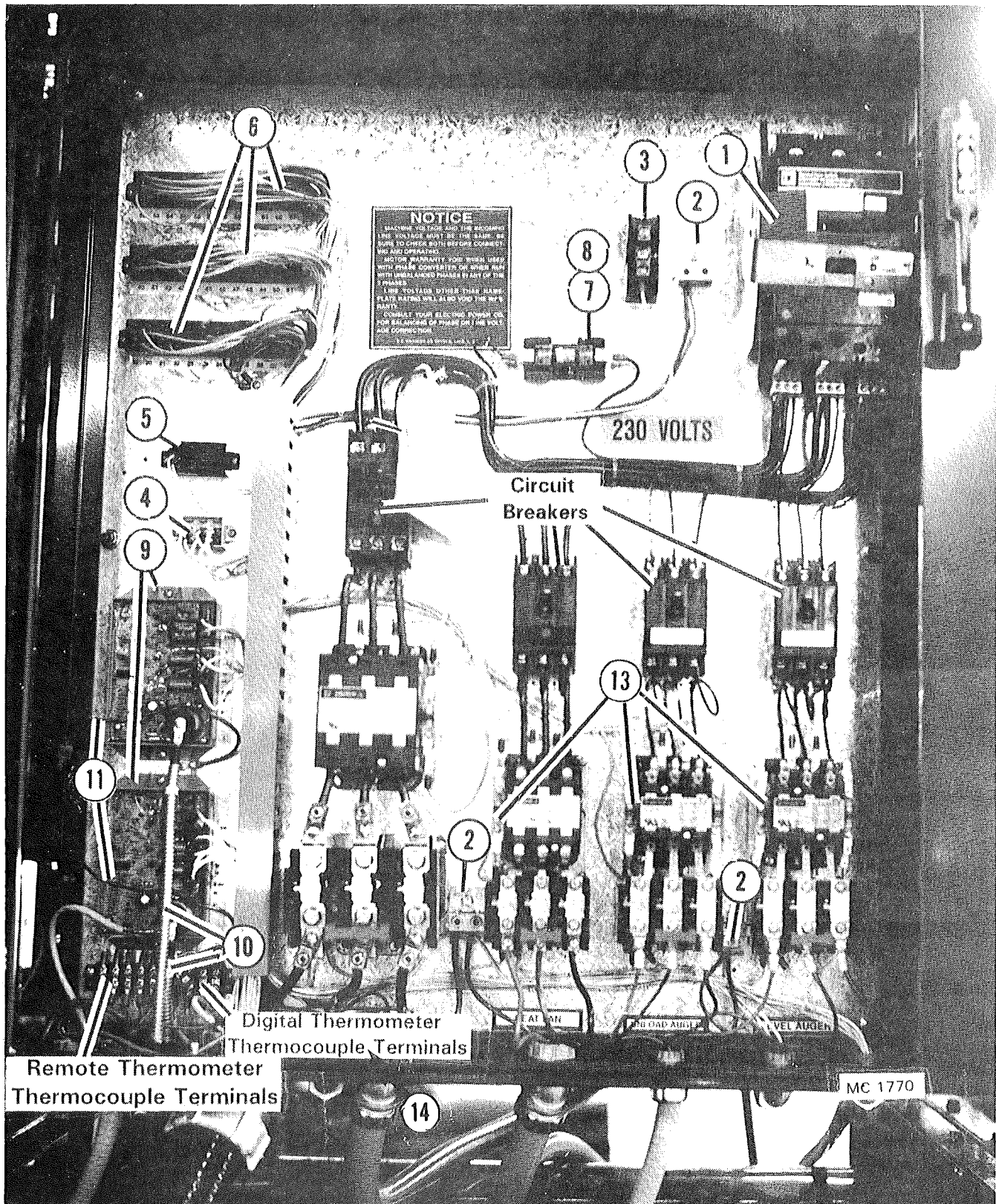


BURNER & MOTOR CONTROL CABINET CF720 THREE PHASE 230 VOLTS

| Ref. | Part No. | Qty. | Description |
|-------------------|----------|------|---|
| 1 | 125 6925 | 1 | Quick Disconnect Switch – 100 Amps – CF720 (3Ø/230/460/575V) |
| | 125 6945 | 1 | Mechanism |
| | 125 6946 | 1 | Lug Kit |
| | 128 7517 | 1 | Quick Disconnect Switch – 150 Amps – CF720 (1Ø/230V) |
| | 125 6945 | 1 | Mechanism |
| | 125 6946 | 1 | Lug Kit |
| 2 | 125 6918 | 3 | Grounding Lug |
| 3 | 127 6823 | 1 | Neutral Lug – 230V Only |
| 4 | 124 6929 | 1 | Terminal Block 3-Position (White) |
| 5 | 125 6805 | 1 | Terminal Block 4-Position (Black) |
| 6 | 124 6928 | 3 | Terminal Block 12-Position (Black) |
| 7 | 125 6956 | 1 | 7 Amp Fuse (NON-7) |
| 8 | 128 6851 | 1 | Fuse Holder |
| 9 | 124 6994 | 2 | 115V Ignition Board |
| 10 | 122 9003 | 2 | Ignition Wire – 84" (213cm) w/90° Boot |
| 11 | 124 1079 | 2 | Low Voltage Black Wire Assembly (Sense Probe) 18 ga. 84" (213cm) |
| 12 | 125 6842 | 1 | Terminal Block-Screw Type 10-Position (Black) Moisture Sensor & Remote Thermometer Thermocouples |
| 13 | 124 6933 | AR | Interlock Contactor |
| 14 | 124 6961 | AR | Digital Thermometer Thermocouple 180" (4.6m) |
| Not Shown: | | | |
| | 124 6980 | 1 | Grounding Rod – 9/16" x 8 ft. |
| | 124 6979 | 1 | Grounding Rod Clamp |

See pages 50 & 51 for Motor, Circuit Breaker, and Magnetic Starter part numbers.

BURNER & MOTOR CONTROL CABINET CF820 THREE PHASE 230 VOLTS



BURNER & MOTOR CONTROL CABINET CF820 THREE PHASE 230 VOLTS

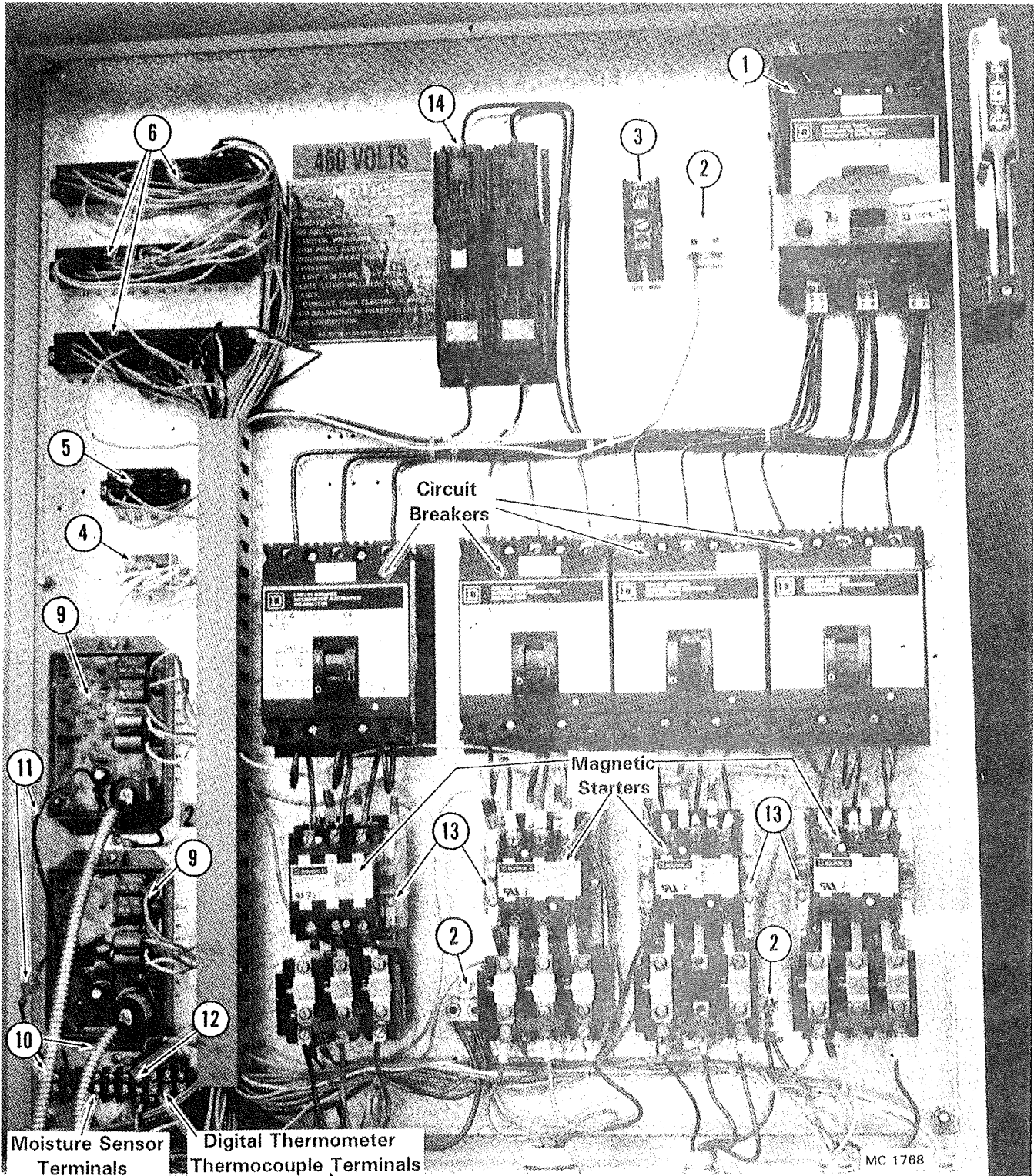
| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 1 | 125 6927 | 1 | Quick Disconnect Switch – 250 Amps - CF820 (3Ø/230V) - CF820 (1Ø/230V) |
| | 125 6947 | 1 | Mechanism |
| | 125 6949 | 1 | Lug Kit |
| 2 | 125 6918 | 3 | Grounding Lug |
| 3 | 127 6823 | 1 | Neutral Lug – 230V Only |
| 4 | 124 6929 | 1 | Terminal Block 3-Position (White) |
| 5 | 125 6805 | 1 | Terminal Block 4-Position (Black) |
| 6 | 124 6928 | 3 | Terminal Block 12-Position (Black) |
| 7 | 125 6956 | 1 | 7 Amp Fuse (NON-7) |
| 8 | 128 6851 | 1 | Fuse Holder |
| 9 | 124 6994 | 2 | 115V Ignition Board |
| 10 | 122 9003 | 2 | Ignition Wire – 84" (213cm) w/90° Boot |
| 11 | 124 1079 | 2 | Low Voltage Black Wire Assembly (Sense Probe) 18 ga. 84" (213cm) |
| 12 | 125 6842 | 1 | Terminal Block-Screw Type 10-Position (Black) Moisture Sensor & Remote Thermometer Thermocouples |
| 13 | 124 6933 | AR | Interlock Contactor |
| 14 | 124 6961 | AR | Digital Thermometer Thermocouple 180" (4.6m) |

Not Shown:

| | | |
|----------|---|-------------------------------|
| 124 6980 | 1 | Grounding Rod – 9/16" x 8 ft. |
| 124 6979 | 1 | Grounding Rod Clamp |

See pages 50 & 51 for Motor, Circuit Breaker, and Magnetic Starter part numbers.

BURNER & MOTOR CONTROL CABINET CF720 OR 820 THREE PHASE 460 VOLTS



Moisture Sensor
Terminals

Digital Thermometer
Thermocouple Terminals

MC 1768

BURNER & MOTOR CONTROL CABINET CF720 OR 820 THREE PHASE 460 VOLTS

| Ref. | Part No. | Qty. | Description |
|------|----------|------|---|
| 1 | 125 6925 | 1 | Quick Disconnect Switch – 100 Amps - CF720 (3Ø/230/460/575V) - CF820 (3Ø/460/575V) |
| | 125 6945 | 1 | Mechanism |
| | 125 6946 | 1 | Lug Kit |
| 2 | 125 6918 | 3 | Grounding Lug |
| 3 | 127 6823 | 1 | Neutral Lug – 230V Only |
| 4 | 124 6929 | 1 | Terminal Block 3-Position (White) |
| 5 | 125 6805 | 1 | Terminal Block 4-Position (Black) |
| 6 | 124 6928 | 3 | Terminal Block 12-Position (Black) |
| 7 | 125 6956 | 1 | 7 Amp Fuse (NON-7) |
| 8 | 128 6851 | 1 | Fuse Holder |
| 9 | 124 6994 | 2 | 115V Ignition Board |
| 10 | 122 9003 | 2 | Ignition Wire – 84" (213cm) w/90° Boot |
| 11 | 124 1079 | 2 | Low Voltage Black Wire Assembly (Sense Probe) 18 ga. 84" (213cm) |
| 12 | 125 6842 | 1 | Terminal Block-Screw Type 10-Position (Black) Moisture Sensor & Remote Thermometer Thermocouples |
| 13 | 124 6933 | AR | Interlock Contactor |
| 14 | 121 6988 | 2 | Single Fuse Holder (380, 415, 460 & 575V) |
| | 124 6829 | 2 | FRS-4 Amp Fuse (460V) |
| | 127 6839 | 2 | FRS-3.2 Amp Fuse (575V) |
| | 121 6999 | 2 | Fuse Cover |
| 15 | 124 6961 | AR | Digital Thermometer Thermocouple 180" (4.6m) |

Not Shown:

| | | |
|----------|---|-------------------------------------|
| 127 6829 | 1 | Transformer 460/575 to 115V (750VA) |
| 124 6980 | 1 | Grounding Rod – 9/16" x 8 ft. |
| 124 6979 | 1 | Grounding Rod Clamp |

See pages 50 & 51 for Motor, Circuit Breaker, and Magnetic Starter part numbers.

DRYER MOTORS, CIRCUIT BREAKERS AND MAGNETIC STARTERS

| MOTOR | | | CIRCUIT BREAKER | | | MAGNETIC STARTER | | | |
|-------|------|----------|-----------------|------|----------------|------------------|----------------|-----------------------|-------------------|
| HP | *FLA | Part No. | Part No. | Amps | Square "D" No. | Starter Part No. | Square "D" No. | Thermal Unit Part No. | Thermal Unit Size |

380V - 3 PHASE - 50 HZ

| | | | | | | | | | |
|-------|------|----------|----------|----|-----------|----------|--------|----------|--------|
| 1.5 | 2.9 | 127 6860 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6951 | B 6.25 |
| **1.5 | 2.9 | 123 6876 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6951 | B 6.25 |
| 2 | 3.7 | 121 6861 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 120 6845 | B 6.90 |
| **2 | 3.7 | 124 6867 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 120 6845 | B 6.90 |
| 3 | 5.2 | 128 6818 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6947 | B 9.10 |
| 15 | 23.0 | 201 6819 | 128 6937 | 60 | FAL 36060 | 124 6930 | DPS053 | 120 6853 | B 45 |
| 20 | 30.5 | 125 6842 | 124 6905 | 70 | FAL 36070 | 124 6930 | DPS053 | 128 6950 | B 50 |
| 25 | 35.9 | 128 6986 | 125 6929 | 80 | FAL 36080 | 124 6930 | DPS053 | 128 6983 | B 56 |

460V - 3 PHASE - 60 HZ

| | | | | | | | | | |
|------|------|----------|----------|----|-----------|----------|--------|----------|--------|
| □1.5 | 2.5 | 121 6845 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6984 | B 3.00 |
| ‡1.5 | 2.5 | 127 6860 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6984 | B 3.00 |
| 2 | 3.0 | 121 6861 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6948 | B 4.15 |
| 3 | 4.5 | 128 6818 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 120 6845 | B 6.9 |
| 5 | 6.9 | 128 6815 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6952 | B 10.2 |
| 7.5 | 10.3 | 121 6948 | 128 6933 | 20 | FAL 36020 | 124 6931 | DPS033 | 128 6823 | B 17.5 |
| 10 | 13.6 | 201 6818 | 125 6928 | 30 | FAL 36030 | 124 6931 | DPS033 | 120 6855 | B 25.0 |
| 15 | 19.6 | 201 6819 | 128 6930 | 40 | FAL 36040 | 124 6930 | DPS053 | 128 6946 | B 36 |
| 20 | 24.8 | 125 6934 | 128 6937 | 60 | FAL 36060 | 124 6930 | DPS053 | 120 6853 | B 45 |

575V - 3 PHASE - 60 HZ

| | | | | | | | | | |
|------|------|----------|----------|----|-----------|----------|--------|----------|--------|
| □1.5 | 2 | 127 6815 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6984 | B 3.00 |
| ‡1.5 | 2 | 127 6862 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6984 | B 3.00 |
| 2 | 2.4 | 127 6816 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 120 6848 | B 3.70 |
| 3 | 3.6 | 127 6814 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 120 6829 | B 5.50 |
| 5 | 5.5 | 127 6847 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6985 | B 8.20 |
| 7.5 | 8.2 | 127 6828 | 128 6931 | 15 | FAL 36015 | 124 6931 | DPS033 | 128 6863 | B 11.5 |
| 10 | 10.8 | 127 6857 | 128 6933 | 20 | FAL 36020 | 124 6931 | DPS033 | 128 6823 | B 17.5 |
| 15 | 15.6 | 127 6845 | 125 6928 | 30 | FAL 36030 | 124 6931 | DPS033 | 128 6971 | B 28 |
| 20 | 19.8 | 127 6844 | 128 6930 | 40 | FAL 36040 | 124 6931 | DPS033 | 128 6946 | B 36 |

*If FLA (Full Load Amps) shown does not match FLA imprinted on motor name plate, refer to Square D charts for correct thermal unit size.

** - "C" Face

□ - 5/8" shaft

‡ - 7/8" shaft

DRYER MOTORS, CIRCUIT BREAKERS AND MAGNETIC STARTERS

| MOTOR | | | CIRCUIT BREAKER | | | MAGNETIC STARTER | | | |
|-------|------|----------|-----------------|------|----------------|------------------|----------------|-----------------------|-------------------|
| HP | *FLA | Part No. | Part No. | Amps | Square "D" No. | Starter Part No. | Square "D" No. | Thermal Unit Part No. | Thermal Unit Size |

200/208V - 3 PHASE - 60 HZ

| | | | | | | | | | |
|------|------|----------|----------|-----|----------|----------|--------|----------|---------|
| □1.5 | 5.98 | 127 6833 | 128 6882 | 15 | QOU 315 | 124 6931 | DPS033 | 128 6947 | B 9.10 |
| ‡1.5 | 5.98 | 127 6861 | 128 6882 | 15 | QOU 315 | 124 6931 | DPS033 | 128 6947 | B 9.10 |
| 2 | 7.82 | 127 6841 | 128 6882 | 15 | QUO 315 | 124 6931 | DPS033 | 128 6863 | B 11.5 |
| 3 | 11.0 | 127 6832 | 124 6875 | 20 | QOU 320 | 124 6931 | DPS033 | 128 6823 | B 17.5 |
| 5 | 17.5 | 127 6843 | 124 6876 | 35 | QOU 335 | 124 6931 | DPS033 | 120 6857 | B 32 |
| 7.5 | 25.3 | 127 6858 | 124 6904 | 50 | QOU 350 | 124 6930 | DPS053 | 128 6979 | B 40 |
| 10 | 32.2 | 203 6809 | 125 6912 | 60 | QOU 360 | 124 6930 | DPS053 | 128 6950 | B 50 |
| 15 | 48.3 | 126 6854 | 128 6885 | 90 | QOU 390 | 124 6930 | DPS053 | 128 6953 | B 79 |
| 20 | 62.1 | 127 6853 | 128 6966 | 100 | QOU 3100 | 124 1082 | DPA73 | 128 6827 | CC 87.7 |

230V - 1 PHASE - 60 HZ

| | | | | | | | | | |
|------|------|----------|----------|-----|----------|----------|--------|----------|--------|
| □1.5 | 8.3 | 121 6846 | 128 6878 | 20 | QOU 220 | 124 6931 | DPS033 | 128 6863 | B 11.5 |
| ‡1.5 | 10.6 | 127 6863 | 128 6878 | 20 | QOU 220 | 124 6931 | DPS033 | 120 6850 | B 15.5 |
| 2 | 12.3 | 121 6862 | 124 6903 | 25 | QOU 225 | 124 6931 | DPS033 | 128 6949 | B 19.5 |
| 3 | 20.0 | 128 6829 | 124 6909 | 40 | QOU 240 | 124 6931 | DPS033 | 120 6857 | B 32 |
| 5 | 28.0 | 201 6815 | 128 6880 | 60 | QOU 260 | 124 6930 | DPS053 | 128 6979 | B 40 |
| †7.5 | 38.5 | 124 6816 | 124 6908 | 80 | QOU 280 | 124 6930 | DPS053 | 124 6910 | B 66 |
| ‡7.5 | 38.5 | 124 6888 | 124 6908 | 80 | QOU 280 | 124 6930 | DPS053 | 124 6910 | B 66 |
| 10 | 45.0 | 124 6818 | 128 6881 | 90 | QOU 290 | 124 6930 | DPS053 | 128 6953 | B 79 |
| 20 | 92.0 | 124 6879 | 124 6881 | 125 | Q2L 2125 | 124 1083 | DPA93 | 128 6820 | CC 156 |

230V - 3 PHASE - 60 HZ

| | | | | | | | | | |
|------|------|----------|----------|----|---------|----------|--------|----------|---------|
| □1.5 | 5.0 | 121 6845 | 128 6882 | 15 | QOU 315 | 124 6931 | DPS033 | 120 6851 | B 7.70 |
| ‡1.5 | 5.0 | 127 6860 | 128 6882 | 15 | QOU 315 | 124 6931 | DPS033 | 120 6851 | B 7.70 |
| 2 | 6.0 | 121 6861 | 128 6882 | 15 | QOU 315 | 124 6931 | DPS033 | 128 6947 | B 9.10 |
| 3 | 9.0 | 128 6818 | 128 6882 | 15 | QOU 315 | 124 6931 | DPS033 | 125 6931 | B 14.0 |
| 5 | 13.8 | 128 6815 | 124 6907 | 25 | QOU 325 | 124 6931 | DPS033 | 120 6855 | B 25 |
| 7.5 | 20.6 | 121 6948 | 128 6968 | 40 | QOU 340 | 124 6931 | DPS033 | 128 6946 | B 36 |
| 10 | 27.2 | 201 6818 | 125 6912 | 60 | QOU 360 | 124 6930 | DPS053 | 120 6853 | B 45 |
| 15 | 39.2 | 201 6819 | 128 6891 | 80 | QOU 380 | 124 6930 | DPS053 | 128 6978 | B 70 |
| 20 | 49.6 | 125 6934 | 128 6885 | 90 | QOU 390 | 124 1082 | DPA73 | 128 6972 | CC 74.6 |

*If FLA (Full Load Amps) shown does not match FLA imprinted on motor name plate, refer to Square D charts for correct thermal unit size.

□ - 5/8" shaft

‡ - 7/8" shaft

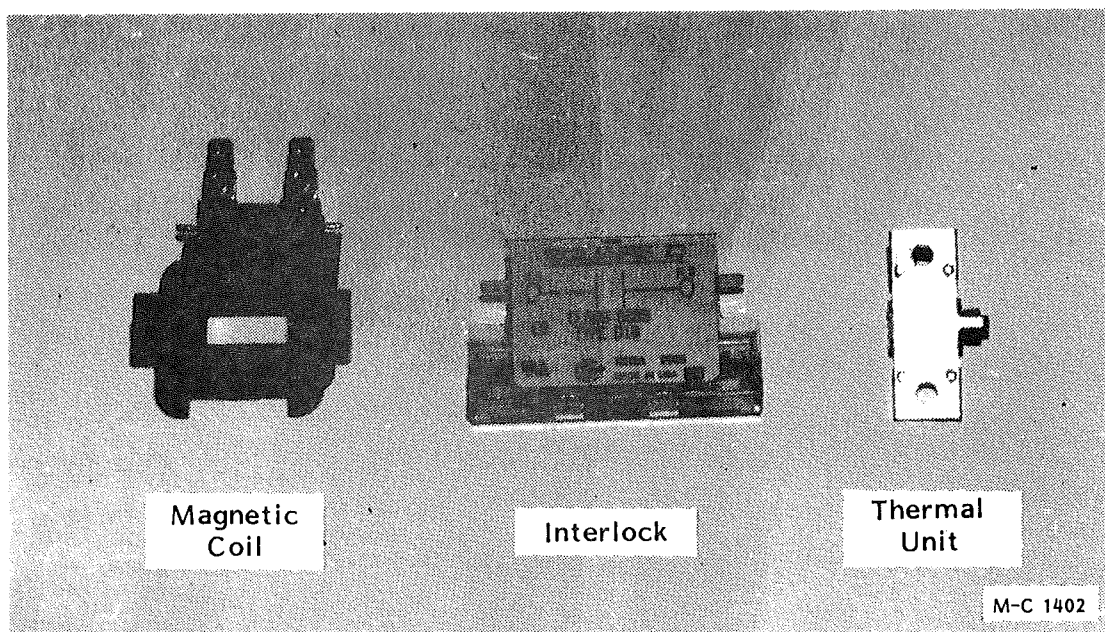
† - 124 6816 has 1 1/8" shaft. 124 6888 has 1 1/8" shaft.

115V COILS AND INTERLOCKS

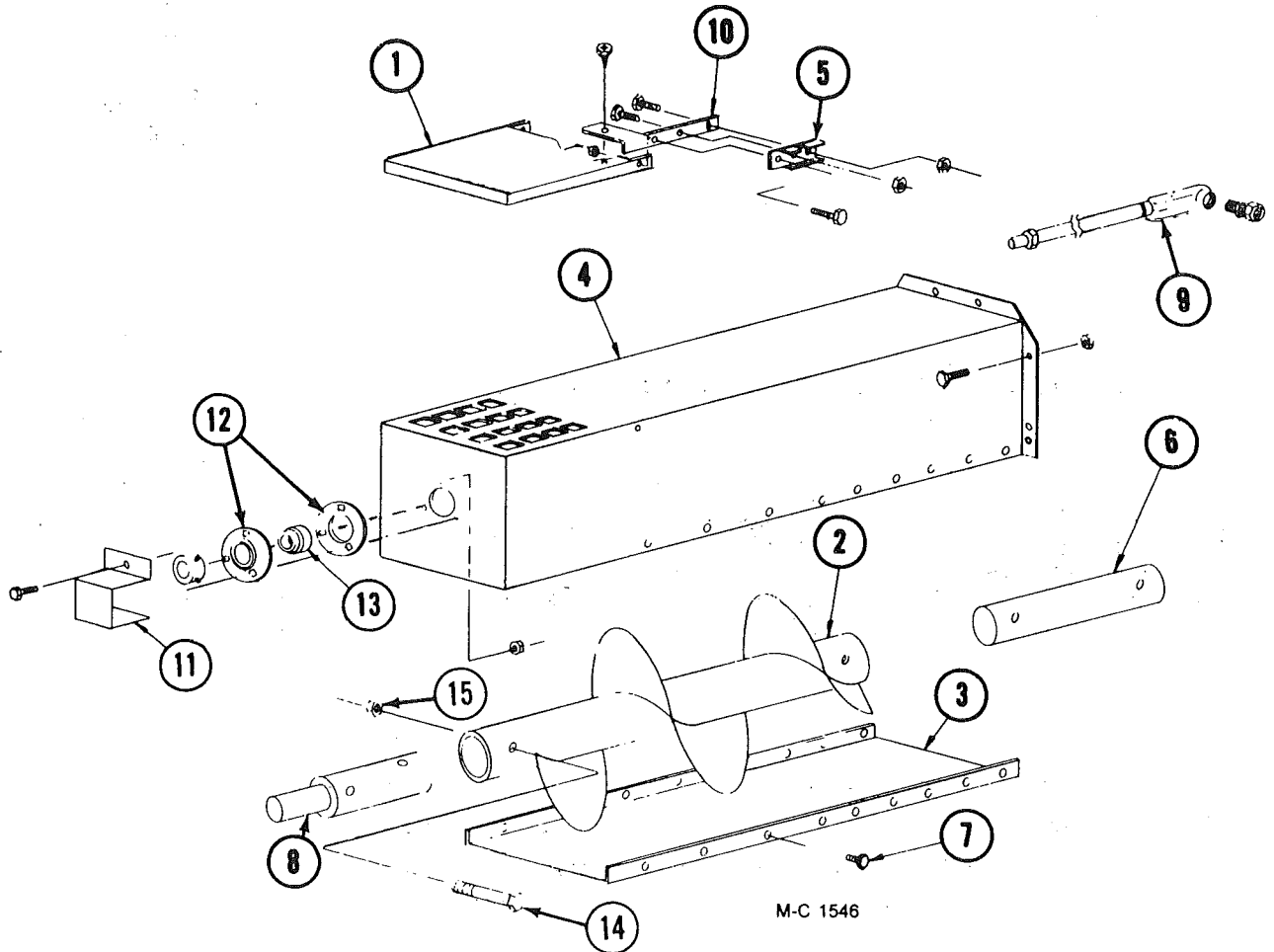
| STARTER | | COIL | | INTERLOCK | |
|----------------|----------|----------|----------------|-----------|----------------|
| SQUARE "D" NO. | M-C NO. | M-C NO. | SQUARE "D" NO. | M-C NO. | SQUARE "D" NO. |
| DPA73 | 124 1082 | 122 6861 | 9998-DA3V02 | 124 6933 | 9999-D-20 |
| DPA93 | 124 1083 | 122 6861 | 9998-DA3V02 | 124 6933 | 9999-D-20 |
| DPS053 (50) HZ | 124 6930 | 122 6860 | 9998-DA1V02 | 124 6933 | 9999-D-20 |
| DPS033 (50) HZ | 124 6931 | 122 6860 | 9998-DA1V02 | 124 6933 | 9999-D-20 |
| DPS033 (60) HZ | 124 6931 | 122 6860 | 9998-DA1V02 | 124 6933 | 9999-D-20 |
| DPS053 (60) HZ | 124 6930 | 122 6860 | 9998-DA1V02 | 124 6933 | 9999-D-20 |

JUMPER STRAP KITS AND CONTACT KITS

| STARTER | | JUMPER STRAP KIT (2 STRAPS PER KIT) | | CONTACT KIT | |
|----------------|----------|--|----------------|-------------|----------------|
| SQUARE "D" NO. | M-C NO. | M-C NO. | SQUARE "D" NO. | M-C NO. | SQUARE "D" NO. |
| DPA73 | 124 1082 | 124 6885 | 9998-S032 | 122 6863 | 9998-DRC7 |
| DPA93 | 124 1083 | 124 6885 | 9998-S032 | 122 6864 | 9998-DRC9 |
| DPS033 (50) HZ | 124 6931 | 120 6841 | 9998-S031 | | |
| DPS053 (50) HZ | 124 6930 | 120 6841 | 9998-S031 | 122 6862 | 9998-DRC5 |
| DPS033 (60) HZ | 124 6931 | 120 6841 | 9998-S031 | | |
| DPS053 (60) HZ | 124 6930 | 120 6841 | 9998-S031 | 122 6862 | 9998-DRC5 |



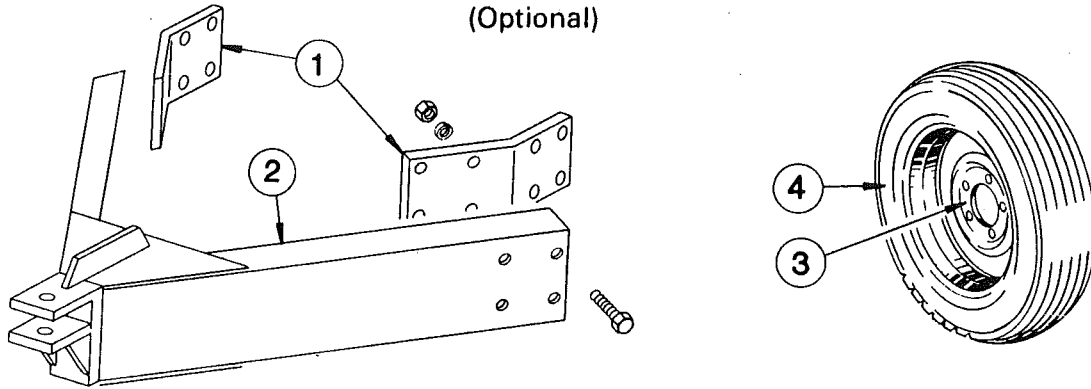
**Optional - 10" (25.4cm) Unloading Auger Extension Kit,
 2 ft. (.61m) - 127 1229,
 4 ft. (1.22m) - 127 1230, and
 6 ft. (1.83m) - 127 1233**



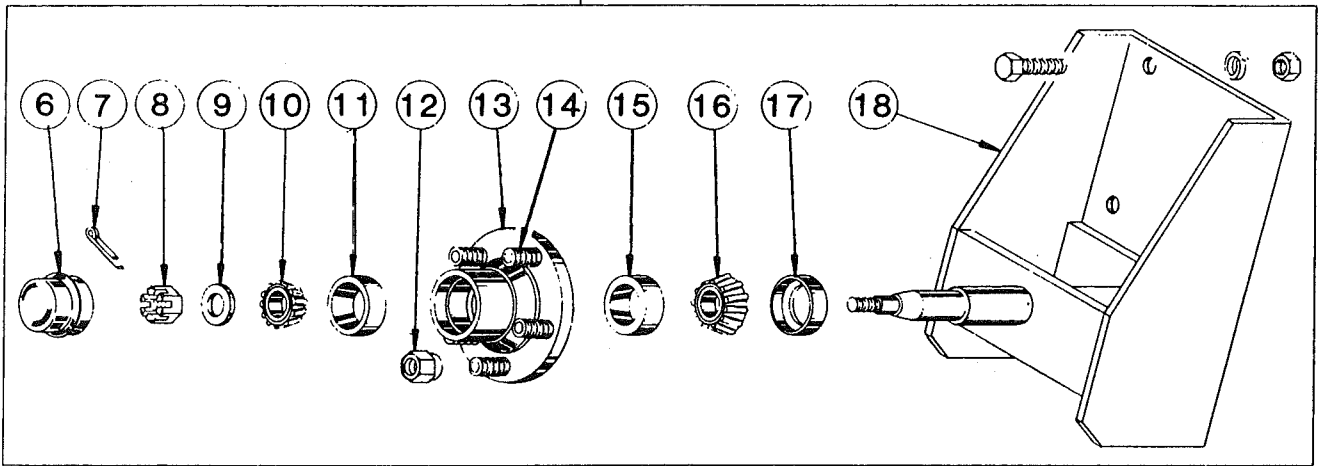
| Ref. | Part No. | Qty. | Description | Ref. | Part No. | Qty. | Description |
|------|----------|------|--|----------|----------|---|---|
| 1 | 128 4712 | 1* | Over Load Door | 8 | 124 5611 | 1* | U.A. Output Shaft |
| 2 | 128 0310 | 1 | 2 ft. (.61m) Extension Auger | 9 | 127 1231 | 1 | 2 ft. (.61m) Extension Liquatite Assembly |
| | 128 0312 | 1 | 4 ft. (1.22m) Extension Auger | 127 1232 | 1 | 4 ft. (1.22m) Extension Liquatite Assembly | |
| | 128 0315 | 1 | 6 ft. (1.83m) Extension Auger | 127 1234 | 1 | 6 ft. (1.83m) Extension Liquatite Assembly | |
| 3 | 124 4474 | 1 | 2 ft. (.61m) Bottom Cover | 10 | 128 2937 | 1* | Bulb Mount |
| | 124 4475 | 1 | 4 ft. (1.22m) Bottom Cover | 11 | 128 3011 | 1* | Stub Shaft Guard |
| | 124 4476 | 1 | 6 ft. (1.83m) Bottom Cover | 12 | 001 6004 | 2* | 1 ¼" (31.8mm) Bearing Flangettes |
| 4 | 128 0311 | 1 | 2 ft. (.61m) Discharge Housing | 13 | 001 6003 | 1* | 1 ¼" (31.8mm) Bearing w/Collar |
| | 128 0313 | 1 | 4 ft. (1.22m) Discharge Housing | 14 | 000 8229 | 4 | ⅜-16 x 2 ¼" (9.5 x 69.9mm) HHCS Grade 5 ZP |
| | 128 0314 | 1 | 6 ft. (1.83m) Discharge Housing | 15 | 000 8205 | 4 | ⅜-16 (9.5mm) Flanged Locknut |
| 5 | 120 6801 | 1* | Switch Mount Clip | 16 | 120 6800 | 1* | Unload Switch |
| 6 | 128 5618 | 1* | Unload Auger Link | | | | |
| 7 | 001 8202 | - | 5/16-18 x ¾" (7.9 x 19mm) HWH Gr.5 Tapping Bolt (Qty. - 8, 16 or 24) | | | | |

*Not included in kit when field installed.

Portabilities (Optional)



5



M-C 980

120 1030 - 4 Wheel Portabilities (Incl. ref. 1 & 2 and four of ref. 3 & 5 - less tires)

120 1031 - 6 Wheel Portabilities (Incl. ref. 1 & 2 and six of ref. 3 & 5 - less tires)

120 1043 - 8 Wheel Portabilities (Incl. ref. 1 & 2 and eight of ref. 3 & 5 - less tires)

120 1040 - Additional Portabilities (Incl. two of ref. 3 & 5 - less tires)

| Ref. | Part No. | Qty. | Description | Ref. | Part No. | Qty. | Description |
|------|----------|------|---|------|----------|------|--|
| 1 | 128 3671 | 2 | Pole Mount Brkt. | 6 | 001 8996 | 1 | Hub Cap |
| | 128 8196 | 8 | 3/4 - 10 x 2 1/2" Capscrew - Grd. 5 | 7 | 001 8252 | 1 | Cotter Pin - 1/8" x 1" |
| | 000 8182 | 8 | 3/4" Lockwasher | 8 | 001 8253 | 1 | Spindle Nut |
| | 000 8165 | 8 | 3/4 - 10 Hex Nut | 9 | 001 8254 | 1 | Spindle Washer |
| 2 | 120 0047 | 1 | Dryer Pole | 10 | 001 6000 | 1 | Bearing Cone - Outer |
| | 128 8195 | 8 | 3/4 - 10 x 2" Capscrew - Grd. 5 | 11 | 002 6000 | 1 | Bearing Cup - Outer |
| | 000 8182 | 8 | 3/4" Lockwasher | 12 | 001 8989 | 5 | 1/2 - 20 Lug Nut - 45° |
| | 000 8165 | 8 | 3/4 - 10 Hex Nut | 13 | 001 8992 | 1 | Wheel Hub Ass'y. - 5 Bolt (Incl. ref. 11, 14 & 15) |
| 3 | 001 8993 | 1 | 5 Bolt Wheel - 15" | 14 | 002 8152 | 5 | 1/2 - 20 x 1 1/2" Stud |
| 4 | 127 8990 | 1 | 7.60 x 15 - 6 Ply Tubeless Tire | 15 | 002 6001 | 1 | Bearing Cup - Inner |
| 5 | 120 1028 | 1 | Wheel Spindle & Hub Ass'y. (Inc ref. 6 thru 18) | 16 | 001 6001 | 1 | Bearing Cone - Inner |
| | 000 8146 | 6 | 5/8 - 11 x 1 1/2" Capscrew - Grd. 5 | 17 | 001 8991 | 1 | Seal |
| | 000 8181 | 6 | 5/8" Lockwasher | 18 | 120 0031 | 1 | Wheel Mount |
| | 000 8164 | 6 | 5/8 - 11 Hex Nut | | | | |

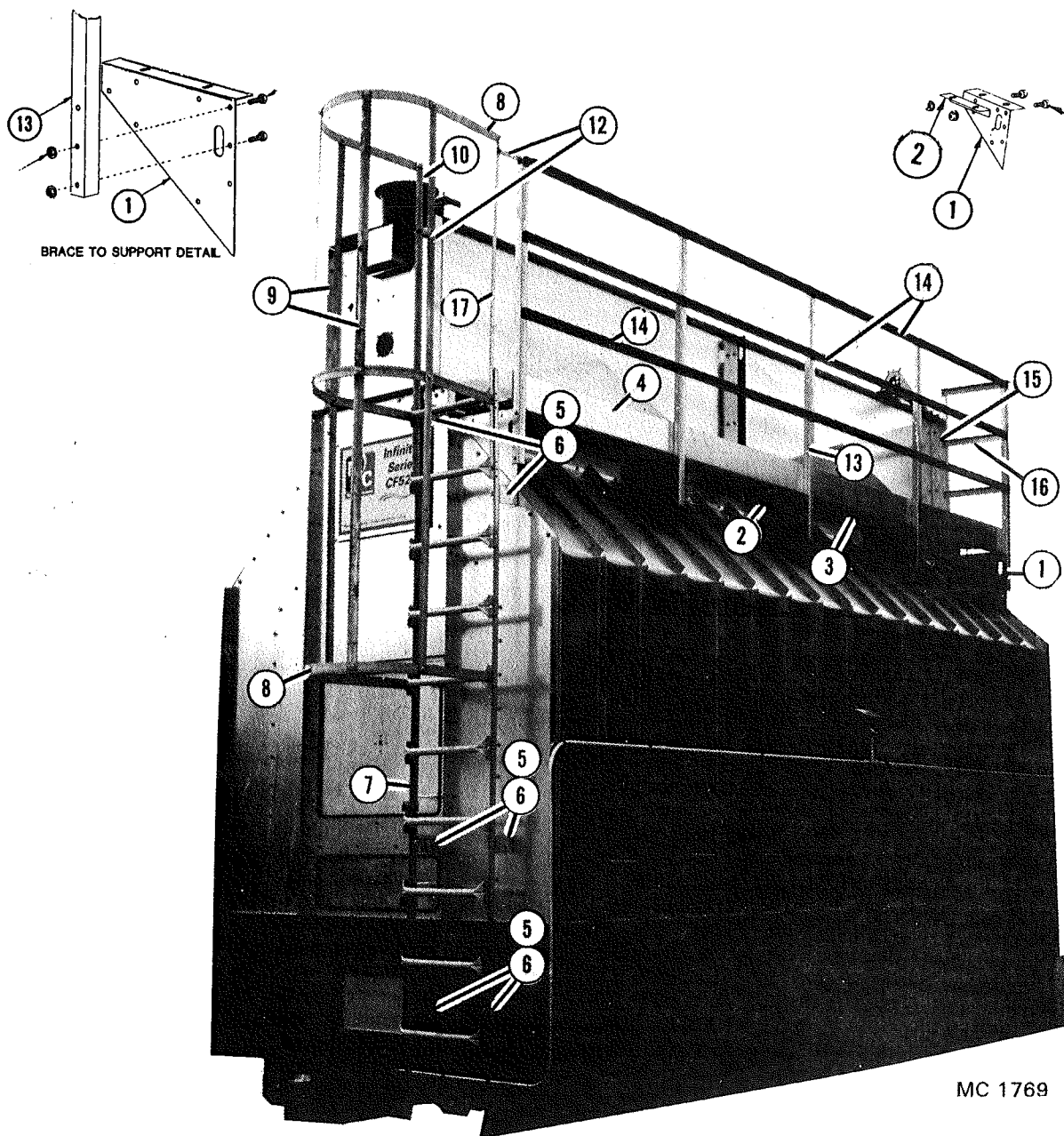
Infinity Wet Hopper Walkway (Optional)

8 ft. 16 ft. 24 ft.
(2.4m)(4.9m)(7.3m)

| Ref. Part No. | Qty. | Qty. | Qty. | Description |
|---------------|------|------|------|--|
| 1 129 2600 | 3 | 5 | 7 | Bridge Support |
| 2 129 2602 | 2 | 2 | 3 | Grating Support |
| 3 129 8700 | 1 | 2 | 3 | Walkway Grating 8 ft. (2.4m) |
| 120 8994 | 6 | 12 | 18 | Grating Anchor Clip |
| 001 8276 | 6 | 12 | 18 | 5/16-18x3" (7.9x76mm) Carriage Bolt |
| 000 8304 | 6 | 12 | 18 | 5/16"(7.9mm) Flanged Locknut |
| 4 128 2683 | 1 | 2 | 3 | Walkway Toe Kick 96"(244cm) |
| 5 128 2685 | 6 | 6 | 6 | Ladder Mounting Bracket |
| 000 8306 | 6 | 6 | 6 | 5/16-18x3/4"(7.9x19mm) Washer Head Bolt |
| 000 8304 | 6 | 6 | 6 | 5/16"(7.9mm) Flanged Locknut |
| 6 490 8704 | 6 | 6 | 6 | Ladder Bracket Clip |
| 7 490 8703 | 1 | 1 | 1 | Ladder 10 ft. (3m) |

8 ft. 16 ft. 24 ft.
(2.4m)(4.9m)(7.3m)

| Ref. Part No. | Qty. | Qty. | Qty. | Description |
|---------------|------|------|------|--|
| 8 128 2015 | 3 | 3 | 3 | Ladder Cage Hoop |
| 000 8307 | 12 | 12 | 12 | 5/16-18x3/4" (7.9x19mm) Round Head Bolt |
| 001 8202 | 4 | 4 | 4 | 5/16-18x3/4" (7.9x19mm) Hex Bolt |
| 000 8169 | 16 | 16 | 16 | 5/16"(7.9mm) Flanged Locknut |
| 9 129 2033 | 4 | 4 | 4 | Ladder Cage Strap 8 ft. (2.4m) |
| 10 129 2031 | 1 | 1 | 1 | Ladder Extension Left 61" (155cm) |
| 11 129 2030 | 1 | 1 | 1 | Ladder Extension Right 61" (155cm) |
| 12 129 2624 | 2 | 2 | 2 | Top Cage Mount Bracket |
| 13 129 2021 | 3 | 5 | 7 | Guard Rail Brace 55 1/2" (141cm) |
| 14 129 2004 | 3 | 6 | 9 | Guard Rail 98" (249cm) |
| 15 129 2623 | 1 | 1 | 1 | Short Rail Support Bracket |
| 16 129 2032 | 3 | 3 | 3 | Short Guard Rail 18 1/2" (46cm) |



MC 1769

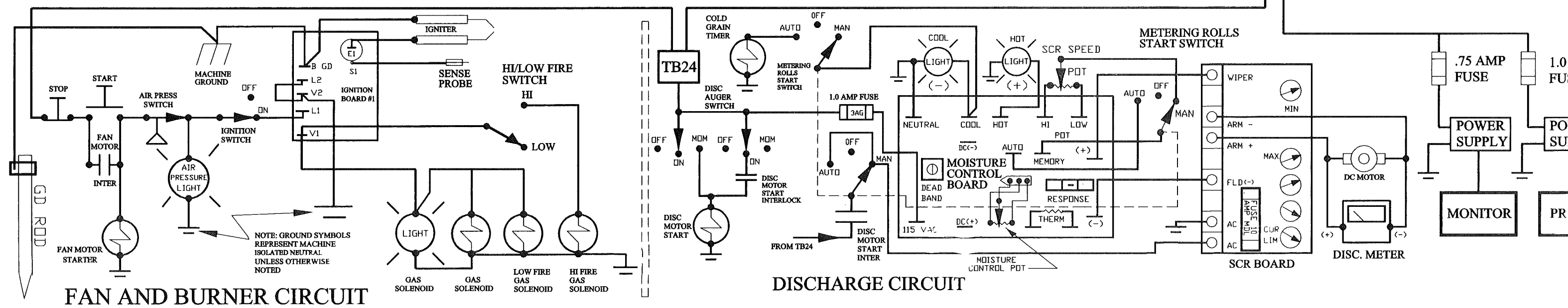
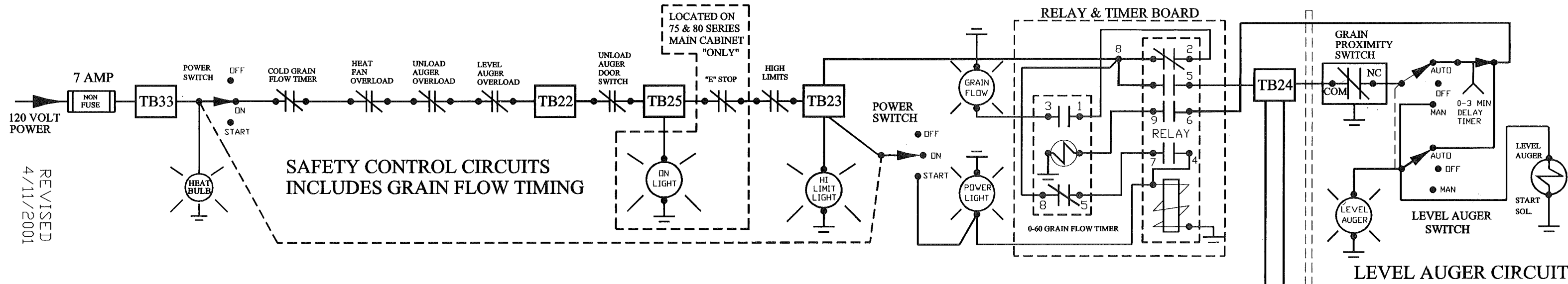
Electrical Components

Infinity Series

320, 520, 620, 720 & 820

Starting with S/N 57373

| Part No. | Description | Part No. | Description |
|---|---|----------|--|
| 120 6800 | Unload Switch | 127 6823 | Neutral Lug |
| 121 6849 | Air Pressure Switch | 124 6978 | 60 Minute Adjustable Timer |
| 124 6934 | High Limit Switch | 124 6874 | SCR Board (Dart) |
| 124 6994 | 115V Ignition Board | 124 6837 | 1/3HP DC Motor |
| 124 7000 | Spark Plug | 128 6957 | Splitter Block |
| 124 6872 | Flame Sensing Probe | 125 6824 | Level Proximity Switch |
| | | ---- | Magnetic Starters (See Magnet Starters Table) |
| | | 127 6855 | Transformer-208V (750VA) |
| | | 127 6829 | Transformer-230/460/575V (750VA) |
| | | 124 7935 | FRS-9 Amp. Fuse (208V) |
| | | 124 6829 | FRS-4 Amp. Fuse (460V) |
| | | 127 6839 | FRS-3.2 Amp. Fuse (575V) |
| | | 124 1195 | SCR Speed Control 10 Turn Potentiometer w/Wires 42" (107cm) |
| | | 124 6892 | Multi-Dial |
| | | 124 6893 | Thermistor |
| | | 124 6955 | Moisture Control Potentiometer w/Wires 60" (152cm) |
| | | 121 6805 | 10 Amp. GLH Fuse (SCR Board) |
| | | 124 6995 | Moisture Control Board |
| | | 124 6981 | Discharge Meter |
| | | 124 6958 | Digital Thermometer Main Frame °F |
| | | 124 6961 | Thermocouple 15 ft. (4.6m) Digital Thermometer |
| | | 125 6936 | Fuse Holder for 124 6937 & 125 6838 |
| | | 124 6937 | 1 Amp. Fuse-Slow Blow (Moisture Control Board & Printer Power Supply) |
| | | 125 6838 | ¾ Amp. Fuse (Monitor Power Supply) |
| | | 122 7066 | Monitor Interface Board °Fahrenheit |
| | | 122 7071 | Printer Interface Board °Fahrenheit |
| | | 122 7065 | Monitor Power Supply |
| | | 122 7070 | Printer Power Supply |
| | | 122 7074 | Printer Assembly |
| | | 125 6839 | Switch ON-OFF Printer |
| | | 128 7016 | Grain Sensor w/40 ft. (12.2m) Cable- Monitor |
| | | 122 7061 | Thermal Paper 3½" x 246 ft. (7.94cm x 75m) |
| | | 122 7069 | Calibration Adjust. Potentiometer |
| | | 125 6834 | Push Button for Calibration & Grain Temperature Display |
| | | 122 7068 | Digital Display Meter-Monitor |
| Terminal Block | | | |
| 124 6928 | 12 Position (Black) | | |
| 124 6929 | 3 Position (White) | | |
| 125 6805 | 4 Position (Black) | | |
| 115V LP Gas Solenoid Valves | | | |
| 125 7082 | ½" (12.7mm) Solenoid Valve in LP Liquid Line | | |
| 123 7037 | ¾" (19mm) Solenoid Valve in Low Fire Manifold | | |
| 128 7001 | 1¼" (31.75mm) Solenoid Valve in Gas Manifold | | |
| 115V Natural Gas Solenoid Valves | | | |
| 128 7001 | 1¼" (31.75mm) Solenoid Valve in Gas Manifold | | |
| 123 7037 | ¾" (19mm) Solenoid Valve in Low Fire Manifold | | |
| 125 6956 | 7 Amp. Fuse (NON-7) | | |
| 128 6851 | Fuse Holder | | |
| 128 6845 | Stop Button (Red) | | |
| 128 6844 | Start Button (Green) | | |
| 125 6808 | 125V Indicator Lamp Assembly | | |
| 125 6812 | SPST ON-OFF Switch (Ignition) | | |
| 125 6811 | 3PDT ON-OFF-ON Switch (Discharge Metering Rolls) | | |
| 125 6809 | Momentary Contact Switch | | |
| 125 6810 | DPDT ON-OFF-ON Switch (Level Auger) | | |
| 124 6996 | 0 to 3 Minute Adj. Timer (Level Auger) | | |
| 124 6841 | Light Bulb Socket | | |
| 124 6842 | 50W Rough Service Bulb | | |
| 124 6972 | Relay and Timer Socket | | |
| 021 6809 | Relay | | |

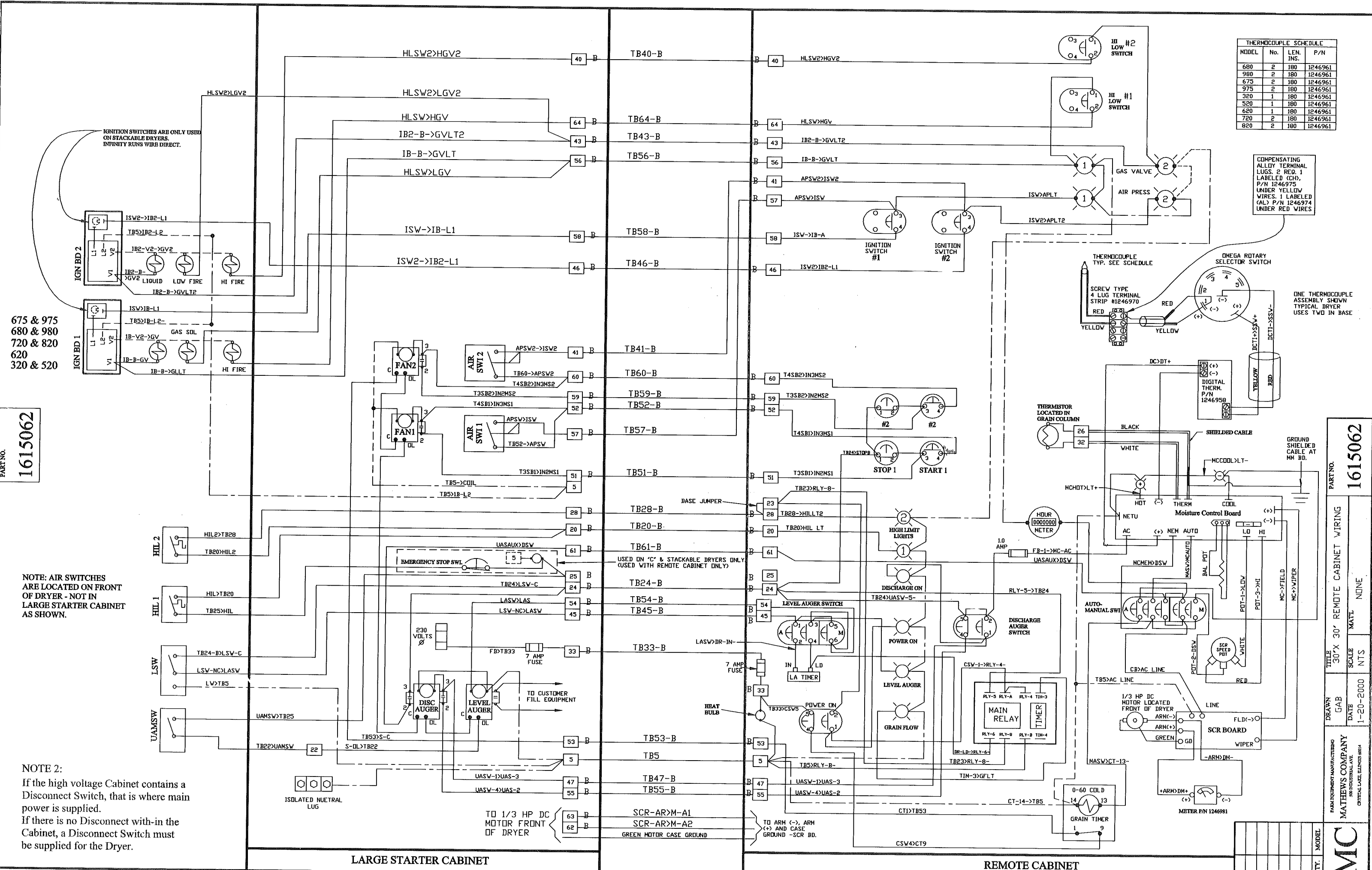


PART NO. 1615062

675 & 975
680 & 980
720 & 820
620
320 & 520

NOTE: AIR SWITCHES ARE LOCATED ON FRONT OF DRYER - NOT IN LARGE STARTER CABINET AS SHOWN.

NOTE 2:
If the high voltage Cabinet contains a Disconnect Switch, that is where main power is supplied.
If there is no Disconnect with-in the Cabinet, a Disconnect Switch must be supplied for the Dryer.



THERMOCOUPLE SCHEDULE

| MODEL | No. | LEN. INS. | P/N |
|-------|-----|-----------|---------|
| 680 | 2 | 180 | 1246961 |
| 980 | 2 | 180 | 1246961 |
| 675 | 2 | 180 | 1246961 |
| 975 | 2 | 180 | 1246961 |
| 320 | 1 | 180 | 1246961 |
| 520 | 1 | 180 | 1246961 |
| 620 | 1 | 180 | 1246961 |
| 720 | 2 | 180 | 1246961 |
| 820 | 2 | 180 | 1246961 |

COMPENSATING ALLOY TERMINAL LUGS: 2 RED, 1 LABELED (CH), P/N 1246975 UNDER YELLOW WIRES, 1 LABELED (AL) P/N 1246974 UNDER RED WIRES

ONE THERMOCOUPLE ASSEMBLY SHOWN TYPICAL DRYER USES TWO IN BASE

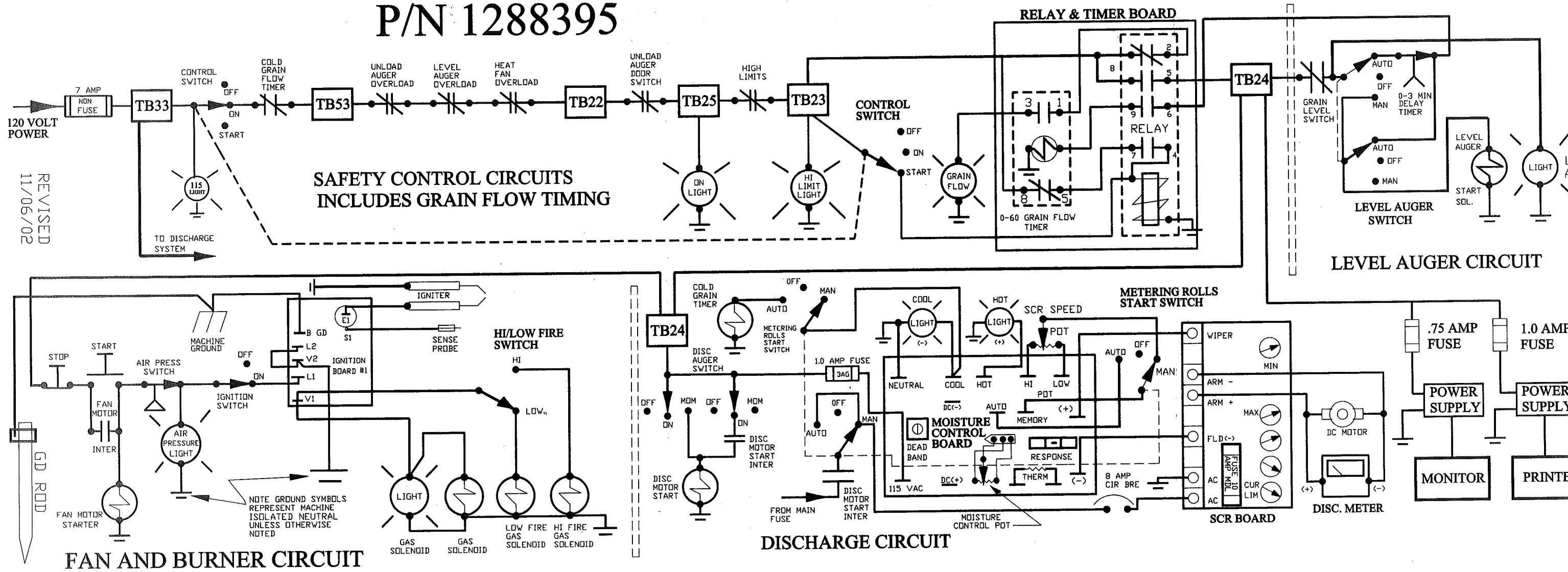
PART NO. 1615062

TITLE 30" X 30" REMOTE CABINET WIRING
DRAWN GAB
DATE 1-20-2000
MATERIAL MATL NONE
SCALE NTS
MATHWES COMPANY
30 INDUSTRIAL AVE
CRYSTAL LAKE, ILLINOIS 60014

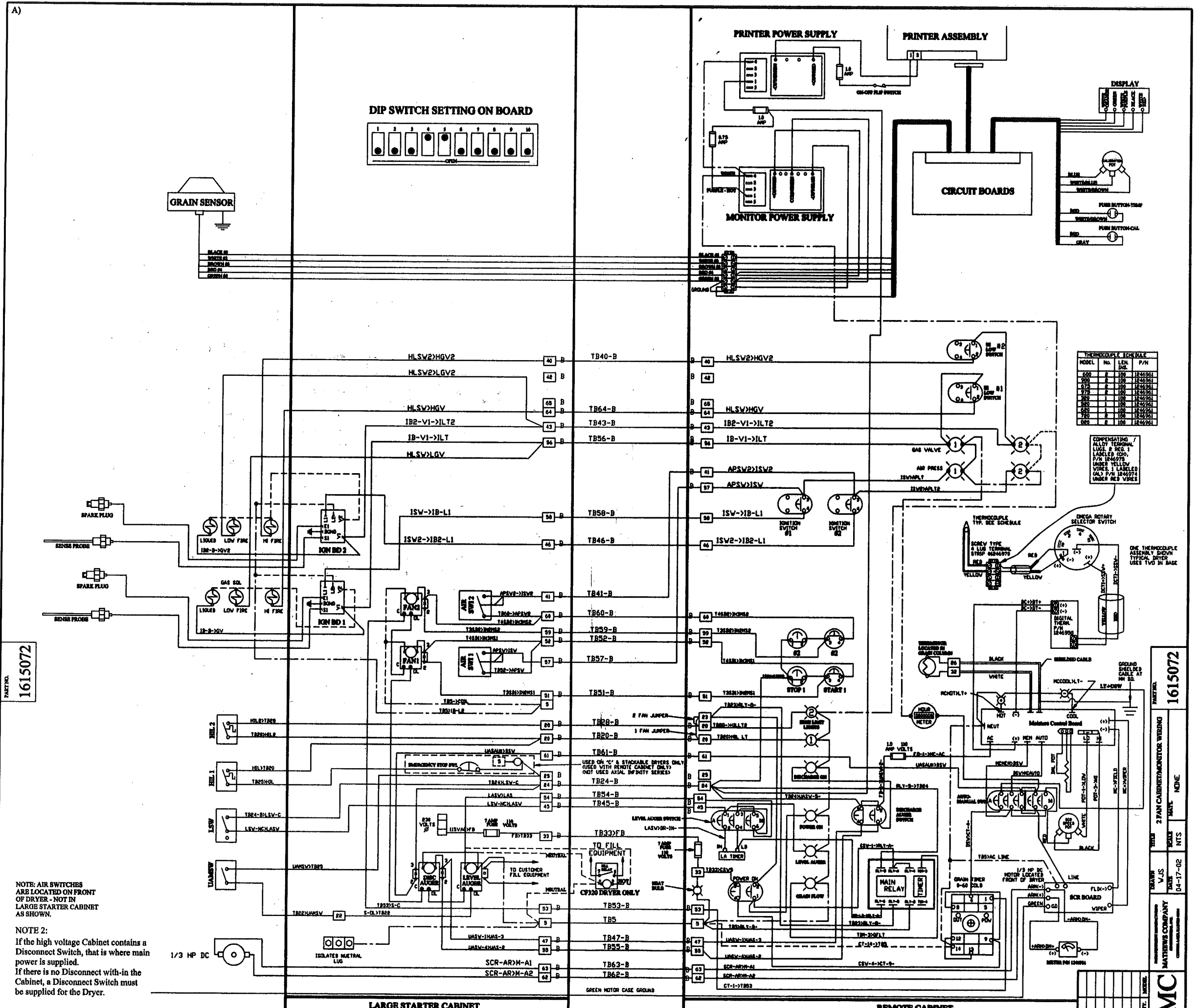
QTY. MODEL MC

MC ELECTRICAL

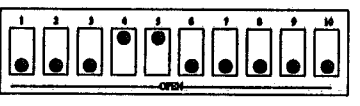
P/N 1288395



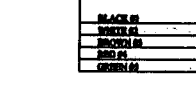
REVISED
11/06/02



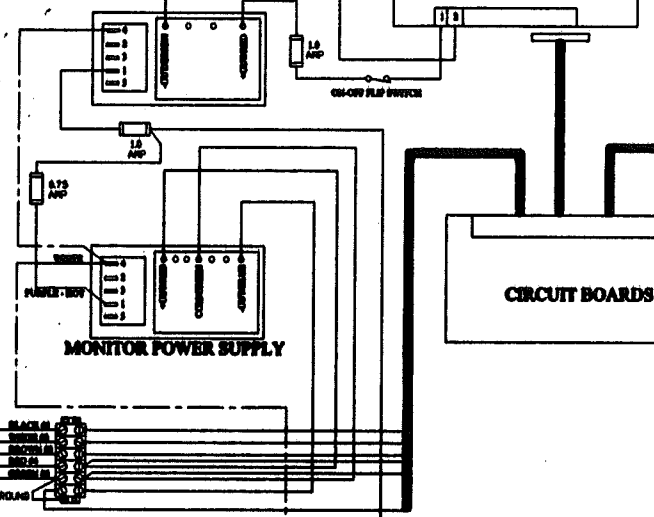
DIP SWITCH SETTING ON BOARD



GRAIN SENSOR

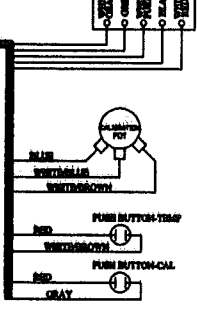


PRINTER POWER SUPPLY



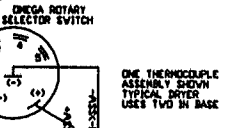
CIRCUIT BOARDS

DISPLAY



| MODEL | No. | LEN. | P/W |
|-------|-----|------|---------|
| 550 | 1 | 100 | 1245901 |
| 550 | 2 | 100 | 1245901 |
| 575 | 1 | 100 | 1245901 |
| 575 | 2 | 100 | 1245901 |
| 580 | 1 | 100 | 1245901 |
| 580 | 2 | 100 | 1245901 |
| 580 | 3 | 100 | 1245901 |
| 580 | 4 | 100 | 1245901 |
| 580 | 5 | 100 | 1245901 |
| 580 | 6 | 100 | 1245901 |

COMPENSATING / ALLY THERMAL LAGE & RED I LABELLED COOL P/W 1245975 UNDER YELLOW WIRES I LABELLED CALY P/W 1245974 UNDER RED WIRES



ONE THERMOCOUPLE ASSEMBLY SHOW TYPICAL DRIVER USES TWO IN BASE

PART NO. 1615072

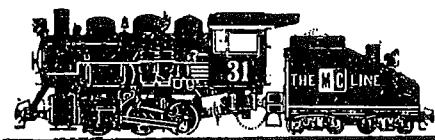
PART NO. 1615072

NOTE: AIR SWITCHES ARE LOCATED ON FRONT OF DRYER - NOT IN LARGE STARTER CABINET AS SHOWN.

NOTE 2:
If the high voltage Cabinet contains a Disconnect Switch, that is where main power is supplied.
If there is no Disconnect with-in the Cabinet, a Disconnect Switch must be supplied for the Dryer.

THESE 2 FAN CABINET/MONITOR WIRING
DATE: 04-17-02
BY: NTS
CHKD: NTS
MNT: NONE





Iron Horse Quality
