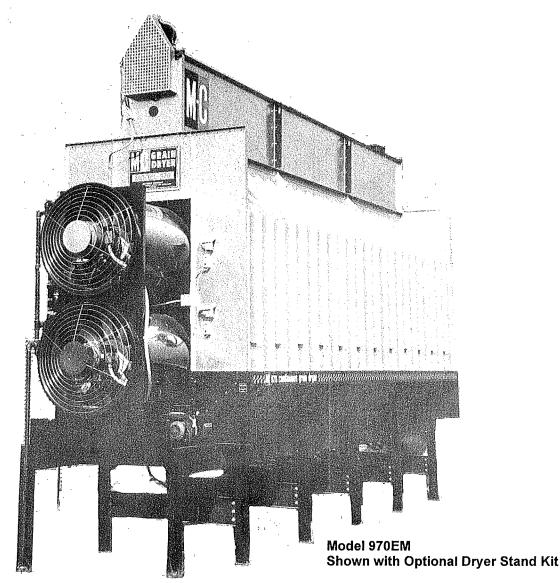


Model 670, 690 & 970

(EM and EMS)

Continuous Flow Grain Dryers

(Starting w/Serial No. 56052)



PARTS CATALOG

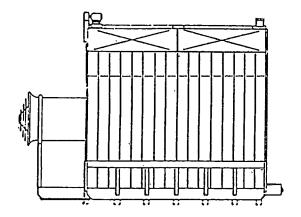
Form No. D 356 November 1999

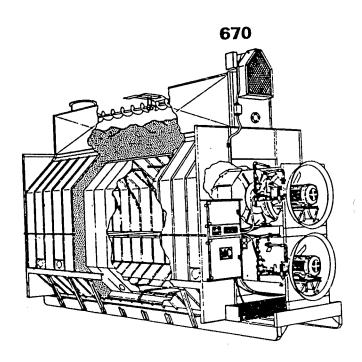
Mathews Company .

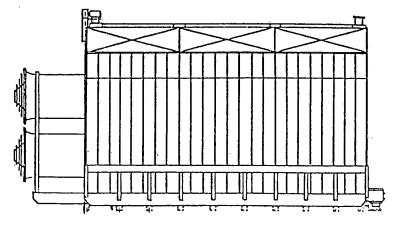
500 Industrial Avenue

P.O. Box 70, Crystal Lake, IL 60039-0070, U.S.A. 815/459-2210 FAX 815/459-5889

www.mathewscompany.com







CONTENTS

	i age
nt	roduction
	Parts Ordering Instructions 1
	Model and Serial Number Location1
	Capscrew Grade Identification 1
Pai	ts
	Air Pressure Switch
	Air Tessure Gwiter
	Air Straighteners
	•
	Augers Level
	Unload
	Unioad2 9
	Dalta
	Belts Level Auger34
	Level Auger
	Unload Auger
	Level Switch – Wet Hopper
	Burner
	Burner Target
	Caldinata
	Cabinets 115V Control Cabinet - 670, 690 & 970
	Circuit Breakers - Level Auger, Unload Auger and Fan Motor
	Coils
	Magnetic Starter - 115V
	1 ¼" (31.8mm) Solenoid Valve
	½" (12.7mm) Solenoid Valve
	Contacts - For Magnetic Starters
	Control Panel Lights, Switches and Controls
	Decal Kit - All Models7
	Decai Kit - All Models
	Electrical Components in 115V Control Cabinet30
	Flectrode
	End Panels
	670
	690
	970
	97012
	Fans
	Fan Installation Instructions D33127
	Fan Motors
	Fan Motor Mount
	Fan Orifice21
	Fan Orifice Supports21
	Flame Sensing Probe22
	Floor Panels – 670
	– 970
	- ガ/し

son a north to teach from a

	Page
Guards	
Fan ::::::::::::::::::::::::::::::::::::	21
Level Auger Motor	32-33
SCR Drive	
்High Limit Switch	36
Wet Hopper	
	12-33
Ignition Board	20
Ignition Wires	30
Interlooks For Magnetic Starters	22
Interlocks - For Magnetic Starters	40
Lucian an Characa Frank A. C. O.	
Jumper Straps - For Magnetic Starters	40
F. S. C.	
Level Auger 3	
Belts	
Motor	
Motor Mount	
Switch Assembly (Wet Hopper Level Indicator)	36
Lights, Control Panel	31
LP Gas Liquid Line Piping	23
LP Gas Manifold and Piping	24
Magnetic Starters	8-39
Manifolds	
LP Gas	24
Natural Gas	25
Metering Rolls	
Mixing Chamber	
Modulating Valves2	10
Modulating Valve Power Elements	4-20
Modulating Valve Repair Kits	4-25
Moisture Control	26
	0.4
Potentiometer	31
Moisture Control Board	30
Thermistor Sensor	
Motors 3	8-39
Ni di Lori de la compania del compania del compania de la compania del compania del compania de la compania del compania d	
Natural Gas Manifold and Piping	25
Orifice Liners	18
And the contract of the contra	
Portabilities	41
Pressure Gauge (Gas)2	4-25
Pressure Regulator (LP Gas)	& 26
Pressure Regulator (LP Gas) Repair Kit	26
,	

Relays 30 Relief Valve - LP Gas 23
SCR Drive Unload System Control Board
Base Screens 7 Upper Screens 8-9
Solenoid Valves 24-25 1¼" (31.8mm) - Natural Gas 24-25 ½" (12.7mm) - LP Gas 23 Solenoid Valve Repair Kits 26 Switches, Control Panel 31
Terminal Tracks 30 Thermistor 36 Thermometer 28 Timers
0 to 3 Minute Adjustable - Level Auger
Unload Auger 10" (25.4cm) 2-3 Auger 16 Extension Kits (Optional) 2 ft. (.61m), 4 ft. (1.22m), or 6 ft. (1.83m) 37 Motor 16 Pans 6 Unload Shut Off Switch 4
Vaporizer Coil - LP Gas
Walkway (Optional)42
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 end

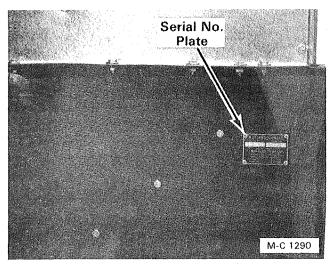


Figure 1



Figure 2

panel, see Figure 1. On late production dryers, the plate is on the dryer front base panel just below the location shown in Figure 1. Record the model and serial number in the blank spaces in Figure 2.

Capscrew Grade Identification

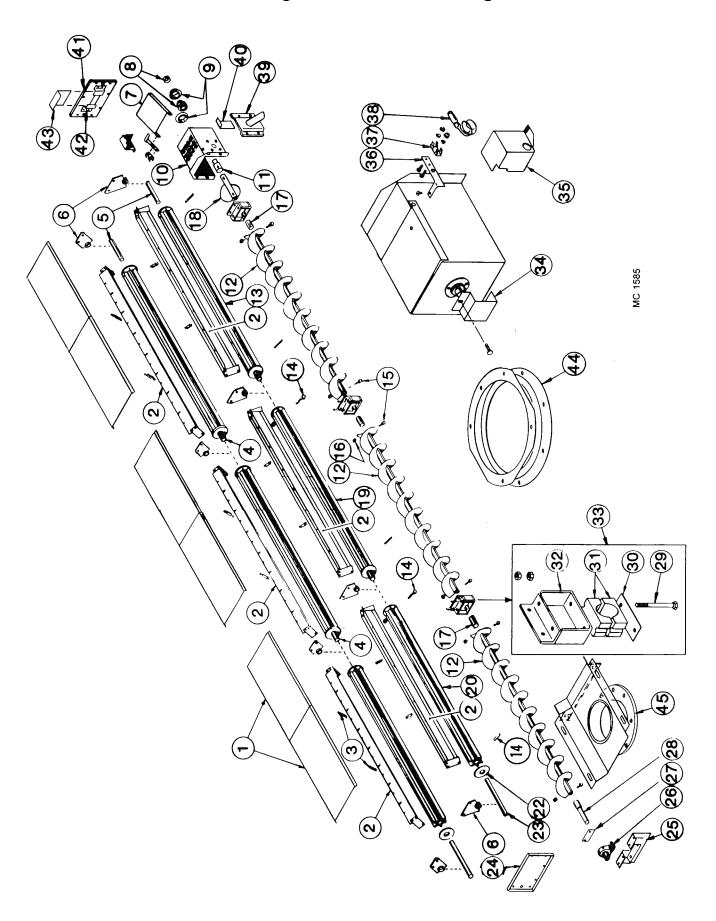
There are four grades of hex-head capscrews. Grade 1 and 2 are common capscrews, grade 5 and 8 are used when greater strength is required. Each grade can be identified by the marking on the head of the capscrew, see chart below.

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

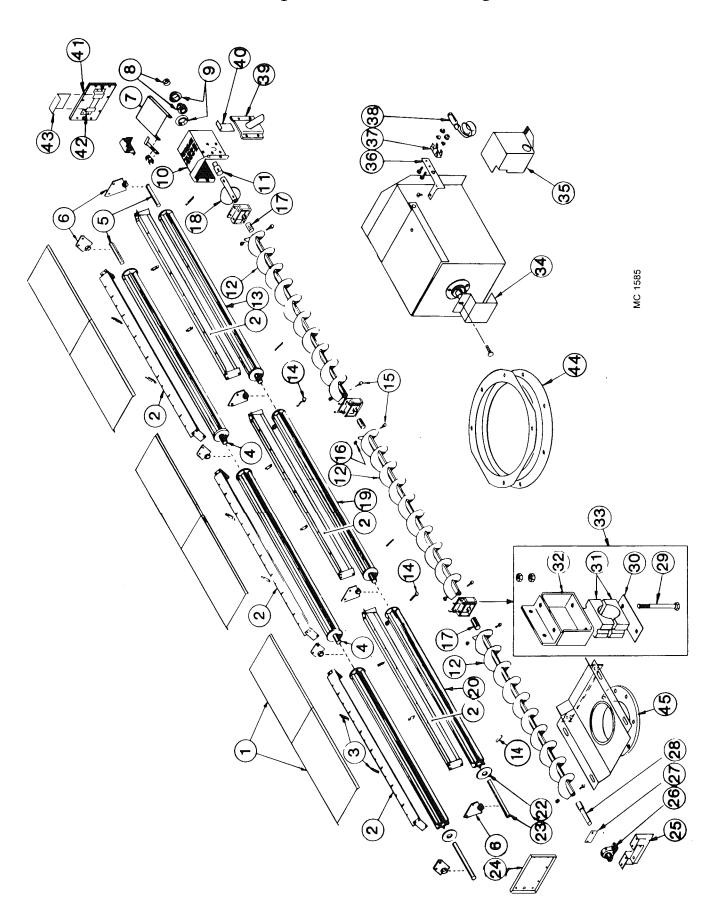
S.A.E. Grade	Description	Capscrew Head Marking*
1	WILL HAVE A PLAIN HEAD - NO RADIAL LINES	
2	Low or Medium Carbon Steel Not Heat Treated	\
5	WILL HAVE 3 RADIAL LINES	,^
	Quenched and Tempered Medium Carbon Steel	\ <u>\</u> \7
8	WILL HAVE 6 RADIAL LINES	KK
	Quenched and Tempered Special Carbon or Alloy Steel	الحيا

^{*}The center marking identifies the capscrew manufacturer.



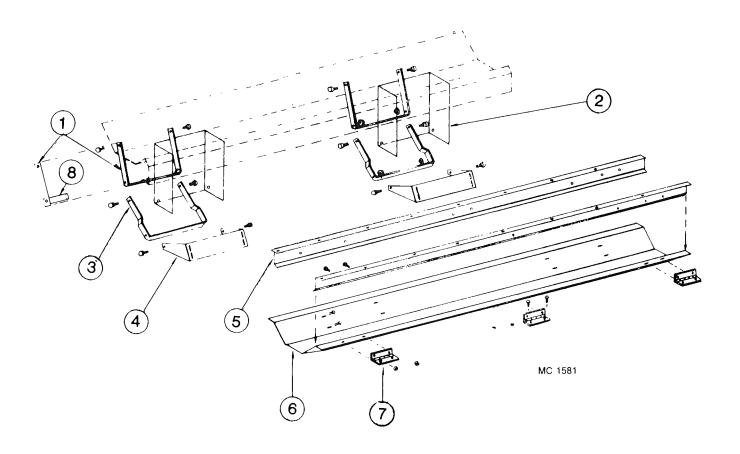
																		-																		
		Description	Unload Auger Output Shaft	(Front Unload - See Note 1)	Unload Auger Section (10")(See Note 2)	Rear Metering Roll Assembly	(incl. shafts)	5/16-18x 2%" (7.9x63.5mm) Capscrew	5/16" (7.9mm) Lockwasher	5/16-18 (7.9mm) Hex Nut	%-16 X 2 $%$ " (9.5 x 70mm) Capscrew-	Grd.5	%" (9.5mm) Top Lock Flanged Nut	Unload Auger Link	Standard Auger Weld	Center Metering Roll Assembly	(incl. shafts)	Front Metering Roll Assembly	(incl. shafts)	Metering Roll Washer - 11 Gauge	Metering Roll Washer - 16 Gauge	Front Metering Roll Shaft -	11/4" x 131/4" (3.2 x 33.7cm)	Base Panel Access Door -	17%" × $10%$ " (44.5 × $27cm$)	5/16-12 x ½" (7.9 x 12.7mm)	Self Tapping Screw	Unload Auger Front Plate	%-16 x %" (9.5 x 19mm) Hex	Washer Head Bolt	%-16 (9.5mm) Flanged Locknut	Dryers w/Front Unload - Ref. 10 use 127 4431 and	Ref. 11 use 128 5994 output shaft.	Halood Arrest Sections 10" (25 Jem) up to	Serial #54014 use the following: 128 0243 Front 128 0245 Rear	0244
24 ft.		oty.	_		က	7		12	12	12	12		12	ო		7		7		AR	AR	7		_		14		-	4		4	ront U	128	0,00	jei Sei 14 us	
16 ft.	(4.9m)	oty.			7	2		ω	ω	ω	ω		ω	7	_	1		7		AB	AR	7		_		14		-	4		4	Ψ/W	1 use	<	#540	
- ;		Part No.	124 5611		128 0244	121 1082		000 8114	000 8222	000 8159	000 8229		000 8205	128 5618		121 1083		128 1254		121 4438	128 4970	128 5042		128 2894		001 8284		128 0247	001 8210		000 8168	NOTE 1. Dryers		MOTE 3. The		
	,	Ref.	11		12	13		14			72		16	17	18	19		20		22		23		24				25				LON LON		-		
· ·		Description	Unload Auger Cover	5/16-18 (7.9mm) Clip Nut	5/16-18x%" (7.9x19mm) Wing Screw	5/16" (7.9mm) Flatwasher	Inner Screen Mount	5/16-18 x 3/4" (7.9 x 19mm)	Hex Washer Head Bolt	5/16-18 (7.9mm) Flanged Locknut	Support Rod %"x 4%" (9.5 x 111mm)	5/16" (7.9mm) Flatwasher	%-16 (9.5mm) Flanged Locknut	Rear & Center Metering Roll Shaft -	1%" x 7" (3.2 x 17.8cm)	Rear Metering Roll Stub Shaft -	$1\%" \times 5" (3.2 \times 12.7 cm)$	Metering Roll Brg. w/Bronze Bushing	5/16-18 x 3/4" (7.9 x 19mm) Hex	Washer Head Bolt	5/16-18 (7.9mm) Flanged Locknut	Over Load Door	%-16 x %" (9.5 x 19mm) Hex Washer	Head Bolt	%-16 (9.5mm) Top Lock Flanged Nut	1 1/4" (31.75mm) Bearing w/Lock	Collar	1¼" (31.75mm) Bearing Flangette	%-16 x 1" (9.5 x 25.4mm) Carriage Bolt	%-16 (9.5mm) Flanged Locknut	Unload Auger Discharge Round	(Front Unload - See Note 1)	%-16 x $%$ (9.5 x 19mm) Hex Washer		%-16 (9.5mm) Top Lock Flanged Nut	
24 ft.		Qty.	9	12	12	12	9	24		24	12	12	36	4		7		∞	16		16	, -	7		7	_		7	က	က	~		9		9	
16 ft.	1.9m)	Otty.	4	∞	ω	∞	4	18		38	∞	ω	24	7		7		9	12		12	τ-	7		7	_		7	က	က	~		9		9	
. • -		ef. Part No.	128 2890	001 8111	001 8114	000 8173	128 0350	001 8202		000 8169	128 8958	000 8173	000 8168	121 5043		121 5042		128 1063	001 8202		000 8169	128 4712	001 8210		000 8205	3 001 6003		9 001 6004	001 8269	000 8168	128		001 8210		000 8205	
		arl	_				\sim				\sim			4		LO		O				\sim				∞		တ			0					

Continued on next page



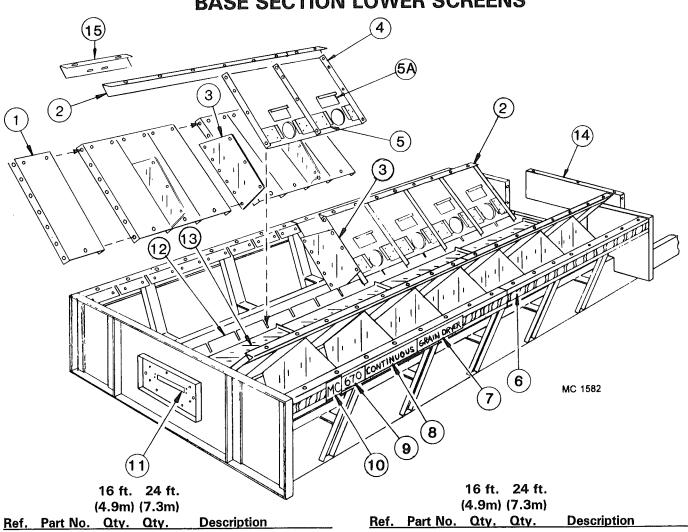
Description	1-7/16" (36.5mm) Bore Pillow Block Bearing ½-13 x 1¾" (12.7 x 44.5mm) Capscrew-Grd. 8 w/Nylock ½" (12.7mm) SAE Flatwasher ½-13 (12.7mm) Hex Nut	Front Seal Plate 8-18 × ½" (12.7mm) Sheet Metal Screw Unload Auger Input Shaft ½-13 × 4½" (12.7 × 114.3mm) Capscrew - Grd. 5	Voload Auger Support Weld Wood Bearing 1-15/16" (49.2mm) (2 Halves) Unload Auger Bearing Bracket ½-13 x 1½" (12.7 x 31.75mm) Capscrew - Grd. 5 ½" (12.7mm) Lockwasher ½-13 (12.7mm) Hex Nut	Unload Auger Bearing Kit (Incl. Ref. 30 thru 33 in quantities required for one bearing) Output Shaft Guard Shut Off Switch Cover 5/16-12 x ½" (7.9 x 12.7mm) Self-Tapping Screw	Switch Mount Switch Mount Clip 6-32 x ¼" (6.35mm) Machine Screw 6-32 Flanged Locknut Shut Off Switch Grain Sampler	Slide Gate Door - Sampler Base Panel Access Door w/Slot Access Door Bracket Access Door Slot Cover Discharge Ring 10" (25.4cm) 10" (25.4cm) Front Unload Weldment
24 ft. (7.3m) Oty.	1 1-7/16" 2 ½-13 × 2 ½" (12.		3 Unload A 3 Wood Bg 3 Unload A 6 ½-13 × 6 ½-13 × 6 ½-13 (12.			1 Slide Ga 1 Base Pai 2 Access 1 Access 1 Discharg 1 10" (25
16 ft. (4.9m) (Oty.	- 226	1 - 4 - 4 \infty	0 4 4 4 4 4 4	22		
(A. Ref.Part No.	001 6011 001 8299 001 8257			122 1007 128 3011 128 4896 001 8284		128 2842 128 2954 128 2885 128 2887 128 0343 128 0331
Ref.	26	27 28 29	30 32 32	33 34 35	36 37 38 39	44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

UNLOAD AUGER PANS



	Dof	Dove	NI.	•	Qty.	D 1.4
-	Ret	. Part	INO.	(16′)	(24)	Description
	1	128 2	2029	4	6	Auger Dump Arm - Upper
	2	128 8	355	4	6	Warning Decal (not shown)
	3	128 2	2030	4	6	Auger Dump Arm - Lower
	4	128 2	2751	4	6	Bottom Link Pivot Base
	5	128 2	2673	4	6	Pan Hinge Angle
	6	128 2	2752	2	3	Auger Dump Pan
	7	128 8	3957	6	9	Hinge
	8	128 2	2032	4	6	Auger Dump Arm Handle

BASE SECTION LOWER SCREENS

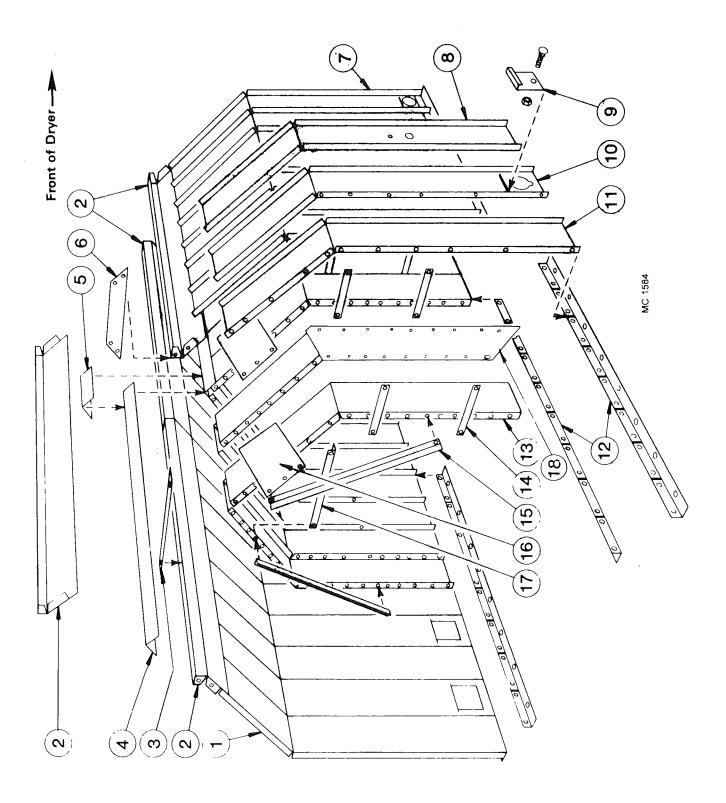


	(4	·.9m) (<i>)</i> .31	m)	(4.5m) (7.5m)								
Ref.	Part No.	Qty.	Qty	. Description	Ref.	Part No.	Qty.	Qty	. Description				
1		_	_	Lower Outer Screen	10	128 8300	2	2	M-C Decal - 5" x 4-9/16"				
	123 5215	32	48	Standard Aluminum - 3/32"					(13 x 10.7cm)				
	127 2945	32	48	Small Seed (Galv.) - 1/16"	11	128 2954	1	1	Base Panel Access Door				
2	128 2739	4	6	Lower Screen Mount Angle					w/Slot				
3	128 2855	14	22	Lower Screen Stiffener		001 8284	7	7	5/16-12x½" (7.9 x12.7mm)				
4		_	_	Lower Inner Slope Screen					Self-Tapping Screw				
				w/Clean-Out -	12	128 0350	4	6	Inner Screen Mount				
				24"(61cm) wide		001 8202	12	18	5/16-18 x ¾" (7.9 x				
	124 2000	16	24	Standard Galvanized - 3/32"					19mm) Hex Washer				
	124 2001	16	24	Small Seed (Galv.) -1/16"					Head Bolt				
5	124 2866	32	48	Slope Door Retainer		000 8169	12	18	5/16-18 (7.9mm) Flanged				
	000 8244	96	144	8-18 x ½" (12.7mm) Hex					Locknut				
				Head Sheet Screw	13	128 2890	4	6	Unload Auger Cover				
5A	128 3003	16	24	Slope Door		001 8111	8	12	· · · · · · · · · · · · · · · · · · ·				
6	128 8310	24'	39'	Red & Yellow Stripe		001 8114	8	12	5/16-18 x ¾" (7.9 x				
				Decal - 2½" (6.35cm)					19mm) Wing Screw				
7	128 8309	2	2	"Grain Dryer" Decal		000 8173	8	12	5/16" Flatwasher				
8	128 8308	2	2	"Continuous" Decal	14	128 4570	1	1	Base Filler Panel-37x13½"				
9	128 8361	2	_	"670" Base Decal		001 8209	12	`12	¾-16 x 1" (9.5 x 25.4mm)				
	128 8367	2	_	"690" Base Decal					Hex Washer Head Bolt Grd. 5				
	128 8362	_	2	"970" Base Decal		000 8168	12	12	%-16 Flanged Locknut				
					15	120 3070	2	4	Seal Angle				

Decal Kit - All Models - 128 9017

Kit contains all decals except dryer model decals. They must be ordered separately. S'ee ref. 9, page 7; ref. 14 & 15, page 11; and ref. 18 & 19, page 13.

UPPER SCREENS

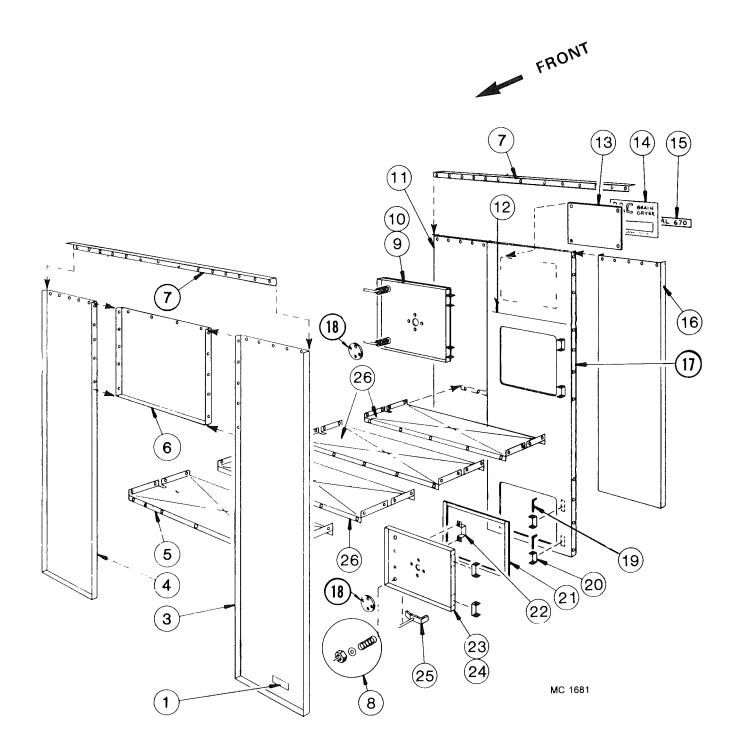


UPPER SCREENS

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

Part No.	Qty	. Qty.	Description
	_	_	Outer End Screen w/o Quick Drain
021 2946	2		Standard (Galvanized) 3/32" (2.38mm) Holes
			Small Seed (Galvanized) 1/16" (1.59mm) Holes
			Aluminum 3/32"094" Holes
			Hopper Joiner Angle 3/32" (2.38mm) Holes
			Hopper Joiner Angle .050" (1.27mm) Holes for
			Small Seed Screens
129 2947	2	3	Stiffener Strap
			Hopper Cap
128 3075	1	2	Seal Angle
129 2831	1	2	Joiner Plate
	-	-	Outer End Screen w/Quick Drain
128 3002	2	2	Standard (Galvanized)
127 2963	2	2	Small Seed (Galvanized)
123 5210	2	2	Aluminum
	-	-	Moisture Control Screen
			Standard (Galvanized)
			Small Seed (Galvanized)
123 5214	1	1	Aluminum
	-	-	Quick Drain Door
			Standard (Galvanized)
			Small Seed (Galvanized)
			%-16 x ¾"(9.5x19mm) Carriage Bolt-Stainless
			%-16 (9.5mm) Flanged Locknut
			Outer Screen w/Quick Drain
			Standard (Galvanized)
			Small Seed (Galvanized)
			Aluminum Outer Screen w/o Quick Drain
			Standard (Galvanized)
			Small Seed (Galvanized)
			Aluminum
			Screen Mount Angle
		-	Inner Screen
021 2949		48	Standard (Galvanized) 3/32" (2.38mm) Holes
			Small Seed (Galvanized) 1/16" (1.59mm) Holes
			Stiffener Strap
			Inner Brace
128 3072		22	Peak Screen Stiffener
021 2600		11	Inner Cross Tie
128 3076	2	4	Divider Panel
rara ta Balt s			athory
		_	Ex $\frac{1}{2}$ " (7.9 x 12.7mm) Washer Head Hex Bolt
			3×3^{2} (7.9 x 19.0mm) Washer Head Hex Bolt
			x ½" (7.9 x 12.7mm) Slotted Truss Round Head Bolt
			7.9mm) Flanged Whiz Locknut
			x ½" (7.9 x 12.7mm) Washer Head Hex Bolt-Stainless
			3 x ½" (7.9 x 12.7mm) Slotted Truss Round Head Bolt-Stainless
			x ¾" (7.9 x 19.0mm) Slotted Truss Round Head Bolt-Stainless
000 830	١.4	F /4 O" '"	7.9mm) Flanged Whiz Locknut-Stainless
	021 2946 127 2967 123 5213 129 2832 124 2014 129 2947 021 2950 128 3075 129 2831 128 3002 127 2963 123 5210 021 2947 127 2966 123 5214 127 2950 127 2974 000 8310 000 8168 128 3001 127 2965 123 5212 021 2945 127 2964 123 5212 021 2945 127 2964 123 5211 125 2732 021 2945 127 2968 121 3007 128 2663 128 3072 021 2600 128 3076 vare to Bolt services of the color se	O21 2946 2 127 2967 2 123 5213 2 129 2832 4 124 2014 4 129 2947 2 021 2950 2 128 3075 1 129 2831 1 128 3002 2 127 2963 2 123 5210 2 2947 1 127 2966 1 123 5214 1 127 2950 16 127 2974 16 000 8310 16 000 8168 16 128 3001 14 127 2965 14 128 3001 14 127 2965 14 128 3001 14 127 2965 14 128 3001 14 127 2965 14 128 3001 14 127 2965 14 128 3001 14 127 2965 14 128 3001 14 127 2965 14 128 3001 14 127 2965 14 128 3001 14 127 2965 14 128 3001 14 128 3001 14 128 3001 14 129 2831 13 125 2732 8	021 2946 2 2 127 2967 2 2 123 5213 2 2 129 2832 4 6 124 2014 4 6 129 2947 2 3 021 2950 2 3 128 3075 1 2 129 2831 1 2

(Model 670)

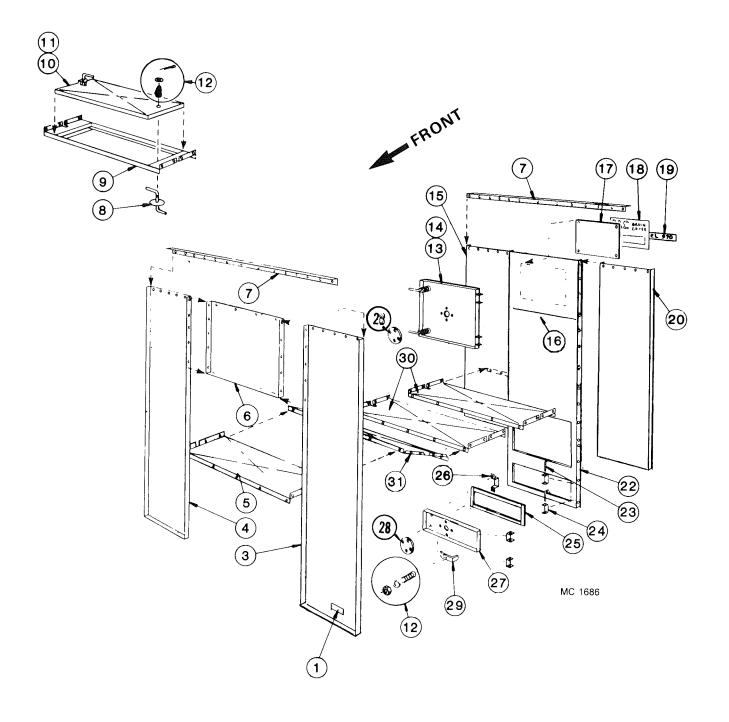


(Model 670)

Ref.	Part No.	Qty.	Description							
			110 A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							
1	121 8310	1	"Made in USA" - Decal							
2	1010000	4	Blank							
3	124 2836	1	Left Front Panel							
4	124 2835	1	Right Front Panel							
5	128 2920	1	Front Unit Floor Panel							
6	128 2921	1	Panel Above Fan							
7	021 2602	2	End Panel to 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	021 2832	1	Right Rear End Panel							
12	124 4463	1	End Door Panel Brace							
13	128 2999	1	Decal Mount Plate							
14	128 8331	1	Large Decal - See note							
15	128 8359	1	Model 670 Decal							
16	021 2833	1	Left Rear End Panel							
17	128 2773	1	End Door Panel							
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	¼"-20 (6.35mm) Flanged Locknut							
19	128 5201	4	Hinge Pin							
20	128 2740	8	Door Hinge							
	000 8212	16	¼-20 x ½" (6.35 x 12.7mm) Truss Head Screw							
	000 8167	16	¼"-20 (6.35mm) Flanged Locknut							
21	128 8900	AR	Rubber Edge Seal							
22	121 2887	2	Door Handle							
	128 8251	4	8-18 x ½" (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							
•										

NOTE: This decal is imprinted "Model 975." Order (1) of Ref. 15 to be placed over "Model 975."

(Model 970)

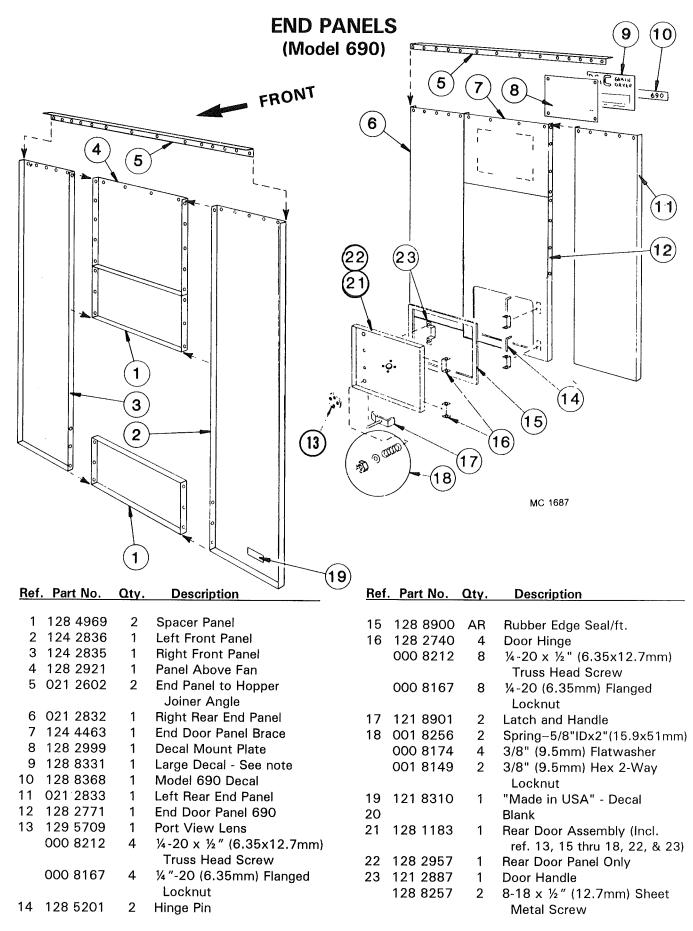


(Model 970)

Ref.	Part No.	Qty.	Description
4	101 0010	1	"Made in USA" - Decal
1	121 8310	1	
2	104 0006	4	Blank
3	124 2836	1	Left Front Panel
4	124 2835	1	Right Front Panel
5	128 2920	1	Front Unit Floor Panel
6	128 2921	1	Panel Above Fan
7	021 2602	2	End Panel to 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
4.0	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	021 2832	1	Right Rear End Panel
16	124 4463	1	End Door Panel Brace
17	128 2999	1	Decal Mount Plate
18	128 8331	1	Large Decal - See note
19	128 8360	1	Model 970 Decal
20	021 2833	1	Left Rear End Panel
21			Blank
22	128 2772	1	End Door Panel
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 ½" (12.7mm) Sheet Metal Screw
27	128 3009	1	Rear Door
28	129 5709	2	Port View Lens
	000 8212	8	¼ "-20 x ½" (6.35 x 12.7mm) Truss Head Screw
	000 8167	8	¼ "-20 (6.35mm) Flanged Locknut
29	121 0414	3	Latch and Handle
30	121 2928	8	Unit Floor Panel
31	124 2845	1	Slope Unit Floor Panel

NOTE: This decal is imprinted "Model 975." Order (1) of Ref. 19 to be placed over "Model 975."

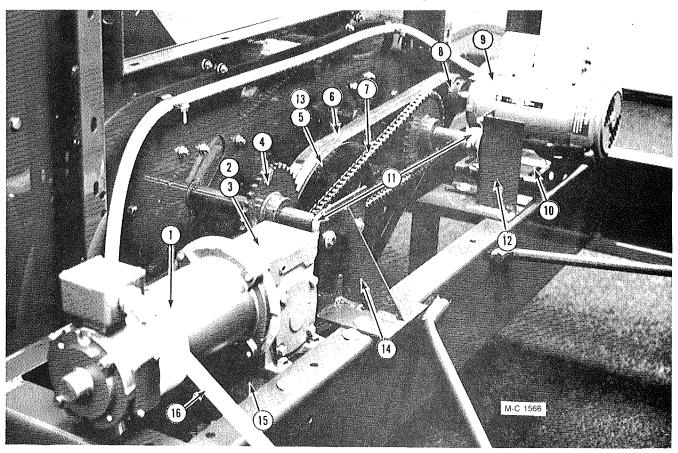
This page intentionally blank.



NOTE: This decal is imprinted "Model 975."

Order ref.10 to be placed over "Model 975."

SCR DRIVE MOTOR AND GEAR BOX



R	ef. Part No.	Qty.	Description	R	ef. Part No.	Qty.	Description
1	124 6837	1	DC Motor - 1/3 HP	9	127 6860	1	230/460V 1.5HP 30 Motor-
	122 8613	_	DC Motor Brushes - Baldor				670 & 690
2	124 6624	1	SCR Gear Box w/ 3/16" x 1"		121 6861	1	230/460V 2HP 30 Motor - 970
			Key (4.8x25.4mm) - 0015110		127 6863	1	230V 1.5HP 10 Motor -
	128 8947	1	Pint of Mobil SHC 634 Oil				670 & 690
	000 8123	5	¾-16 x 1¼" (9.5 x 31.8mm)		121 6862	1	230V 2HP 10 Motor - 970
			Capscrew		001 5112	1	Key - 3/16" x 1¾" (4.8 x
	000 8174	5	¾" (9.5mm) Flatwasher				34.9mm) for 1½HP Motor –
	000 8168	5	¾" (9.5mm) Flanged Locknut				670 & 690
3	128 6427	1	SCR Gear Box Sprocket RC40-		001 5114	1	Key - 3/16" x 1%" (4.8 x
			10T ¾" (19mm) ID –				41.3mm) for 2HP Motor – 970
			670 & 690 (not shown)		128 1	1	Motor to Cabinet Wire Assembly
	128 6422	1	Sprocket RC40-12T ¾"		000 8110	1	5/16-18 x 1½" (7.9 x 38.1mm)
			(19mm) ID - 970				Hex Bolt
4	128 6426	2	Metering Roll Sprocket RC40-		001 8213	3	5/16-18 x 1" (7.9 x 25.4mm)
			40T 1¼" (31.75mm) ID				Washer Head Bolt
			- 670 & 690		000 8173	4	5/16" (7.9mm) Flatwasher
	128 6423	2	Sprocket RC40-36T 11/4"		000 8169	4	5/16-18 (7.9mm) Flanged
		_	(31.75mm) ID - 970				Locknut
	000 8298	2	Woodruff Key ¼" x ¾"	10	124 4214	1	Unload Auger Motor Mount
,	004 0004		(6.35 x 19mm)		001 8209	2	%-16 x 1" (9.5 x 25.4mm)
5	021 6201	1	Pulley - 2B x 13.6 SK				Washer Head Bolt
_	001 5130	1	Key - ¾" x 1" (9.5 x 25.4mm)		001 8210	3	%-16 x ¾" (9.5 x 19mm)
6	021 6100	1	B-65 Belts (Matched Set-2)				Washer Head Bolt
7	128 6315	1	Chain - RC40 x 130 Pitch		001 8132	2	¾-16 x 4" (9.5 x 101.6mm)
_	002 6309	-	Connecting Link				"J" Bolt
8	121 6210	1	Pulley - 2B - 3-3/16" (80.96mm)		000 8174	5	%" (9.5mm) Flatwasher
	404 0000	_	OD - %" (15.87mm) ID		000 8168	5	%-16 (9.5mm) Flanged Locknut
	121 6203	1	Pulley - 2B - 3-3/16" (80.96mm)				
			OD - %" (22.2mm) ID			Cont	tinued on next nage

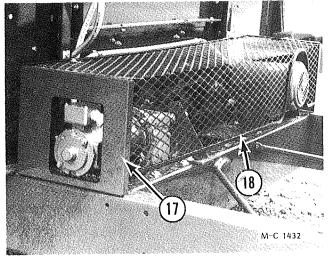
SCR Drive Motor and Gear Box

Ref.	Part No.	Qty.	Description
11	121 6022	2	1 ¼ " (31.75mm) Outboard
			Bearing
	000 8121	4	%-16 x 1" (9.5 x 25.4mm)
			Capscrew
	000 8174	4	%" (9.5mm) Flatwasher
	000 8168	4	%-16 (9.5mm) Flanged Locknut
12	128 0257	1	Gear Mount Motor Weld.
	000 8119	4	%-16 x ¾" (9.5 x 19mm)
	000 017:	4	Capscrew
	000 8174	4	%" (9.5mm) Flatwasher
4.0	000 8168	4	%-16 (9.5mm) Flanged Locknut
13	001 6202	1	SK Bushing-1-7/16" (36.5mm) Bore (Incl. capscrews)
1 4	128 0191	1	Outboard Bearing Mount
14 15	128 0191	1	Gear Box Mount - 670 & 690
10	124 4500		Gear Box Mount - 970 & 030
	000 8119	4	%-16 x %" (9.5 x 19mm)
	000 0113	7	Capscrew
	000 8174	4	%" (9.5mm) Flatwasher
	000 8174		%-16 (9.5mm) Flanged Locknut
16	128 1999		SCR Motor to Cabinet Flexible
		*	Conduit 40" (102cm)
17	128 0268	1	Drive Guard
•	128 8951	2	Rubber Strap w/Hook
	001 3302	2	Angle Clip
	000 8121	4	%-16 x 1" (9.5 x 25.4mm)
			Capscrew
	000 8174		%" (9.5mm) Flatwasher
	001 8149		%-16 (9.5mm) Two-Way Locknut
18	121 8957	AR	Rubber Guard Edge
Not	Shown:		
1400			
	000 8301	2	Safety Shield Warning Decal
	120 6914	2	Chase Nipple - ½" (12.7mm)
	121 6906		Pipe Clamp
	000 8212	2	½-20 x ½" (6.35 x 12.7mm)
			Twice Hood Corour

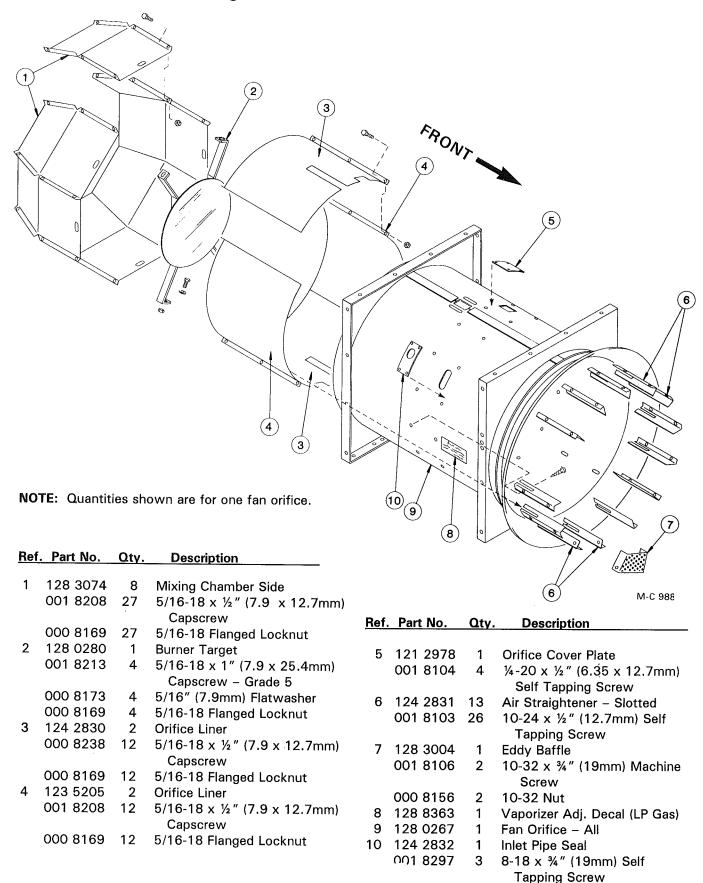
Truss Head Screw

000 8167 2

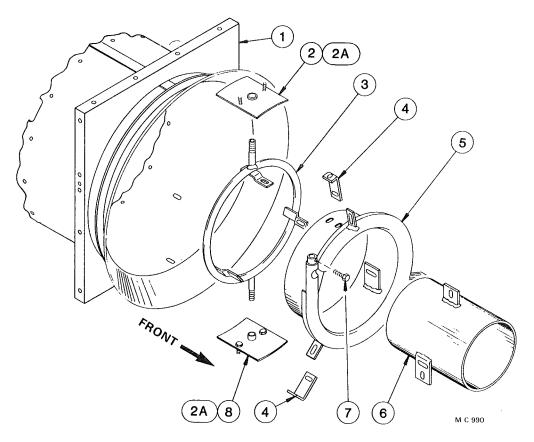
1/4-20 (6.35mm) Flanged Locknut



Fan Orifice, Orifice Liners, Burner Target Mixing Chamber and Air Straighteners



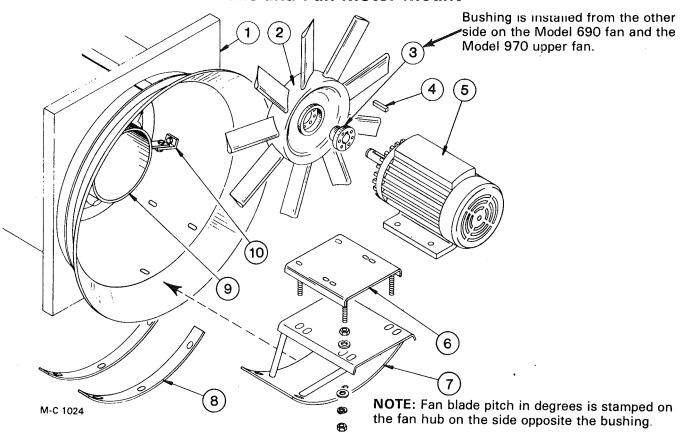
Burner and Air Stabilizer



NOTE: Quantities shown are for one burner.

Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	128 0267	1	Fan Orifice – All	c	100 0000	4	Din a Danna a Wald
2	128 0269	1	Vaporizer Seal – ¾" (19mm)	5	128 0286	1	Ring Burner Weld.
_	120 0200	•	(LP Gas)	6	121 0131	1	Air Stabilizer
	000 0470	_			001 8209	3	3/8-16 x 1" (9.5 x 25.4mm)
	000 8173	2	5/16" (7.9mm) Flatwasher				Washer Head Bolt
	000 8169	2	5/16-18 (7.9mm) Flanged		000 8174	3	3/8" (9.5mm) Flatwasher
			Locknut		000 8168	3	3/8-16 (9.5mm) Flanged
2A	128 0279	1	Seal Plate (Natural Gas)				Locknut
	000 8173	2	5/16" (7.9mm) Flatwasher	7	128 8115	1	5/16-18 x 1" (9.5 x 25.4mm)
	000 8169	2	5/16-18 (7.9mm) Flanged	•	.2001.0	•	Stainless Steel Bolt
			Locknut	8	128 0270	1	Vaporizer Seal – ½" (12.7mm)
3	128 0274	1	Vaporizer Ring (LP Gas)	O	120 0270	ı	
	001 8209	3	3/8"-16 x 1" (9.5 x 25.4mm)		000 0470	0	(LP Gas)
		•	Washer Head Bolt		000 8173	2	5/16" (7.9mm) Flatwasher
	000 8174	3			000 8169	2	5/16-18 (7.9mm) Flanged
		3	3/8" (9.5mm) Flatwasher				Locknut
	000 8168		3/8-16 (9.5mm) Flanged Locknut				
4	121 3459	3	Burner Mounting Angle				
	001 8209	6	3/8-16 x 1" (9.5 x 25.4mm)				
			Washer Head Bolt				
	000 8174	6	3/8" (9.5mm) Flatwasher				
	000 8168	6	3/8-16 (9.5mm) Flanged				
			Locknut				

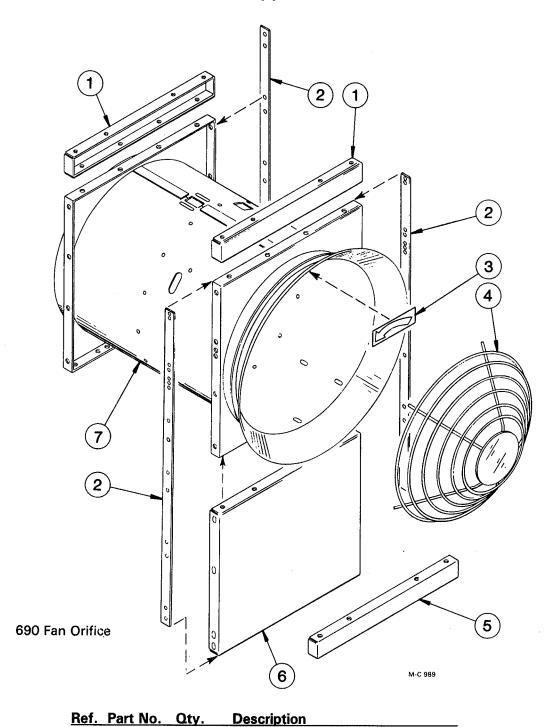
Fans and Fan Motor Mount



NOTE: Quantities shown are for one fan assembly

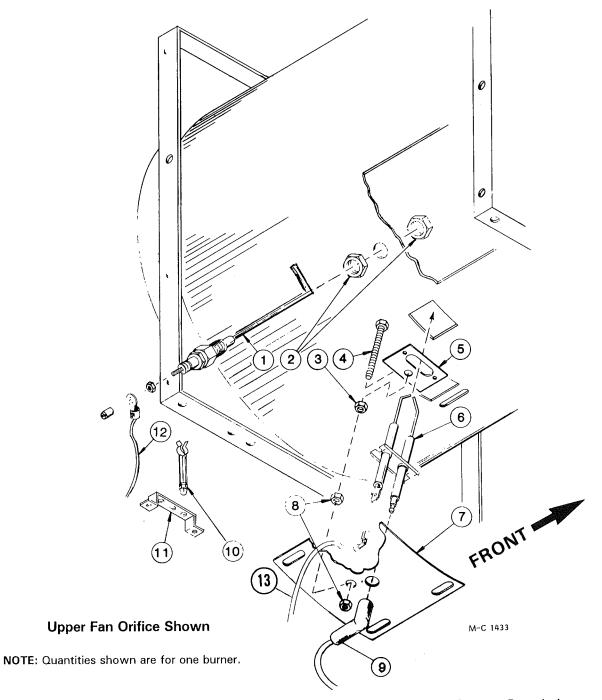
Re	f. Part No.	Qty.	Description	Ref	. Part No.	Qty.	Description
1	128 0267	1	Fan Orifice – All		124 6816	1 .	230/460V 7.5HP 1Ø Motor
2			Fan		124 6818	1	230/460V 10HP 1Ø Motor
	128 9043	1	670 Lower (6 blade 18°)		124 6879	1	230/460V 20HP 1Ø Motor
	128 9044	1	670 Upper and 970 Lower				
			(9 blade 18°) w/Bushing		000 8293	4	3/8 -16 x 1 1/2 " Capscrew
	121 0272	1	690 and 970 Upper				(9.5 x 38.1mm) Full
			(12 blade 30°) w/Bushing				Thread (7.5 & 10HP motors)
3	121 6239	-	"SK" Bushing – 1⅓ ″		000 8168	4	3/8 -16 (9.5mm) Flanged Locknut
			(34.9mm) Bore		000 8139	4	½-13 x 1¾" (12.7 x
			(7.5 & 10HP motors)			`	44.5mm) Capscrew
	121 6229		"SK″ Bushing – 15∕8″			1	(20HP motor)
			(41.3mm) Bore		000 8170	4	½-13 (12.7mm) Flanged Locknut
			(20HP motors)	6	128 0167	1	Motor Mount (7.5 & 10HP motors)
	121 8117	3	5/16-18 x 2" (7.9x51mm)		121 0343	1	Motor Mount (20HP motor)
			Socket Hd.Capscrew-Gr.5		000 8165	8	%-10 (19mm) Hex Nut
4	001 5124	1	Key - 5/16 x 23/8 "		000 8177	8	¾" (19mm) Flatwasher
			(7.9 x 60.3mm)		000 8182	4	¾" (19mm) Lockwasher
			(7.5 & 10HP motors)	7	121 0258	1	Motor Mount Base
	001 5139	1	$\text{Key} - \frac{3}{8} \times 3'' (9.5 \times 76.2 \text{mm})$		000 8136	5	½-13 x 1" (12.7 x 25.4mm)
			(20HP motor)				Carriage Bolt
5		_	Fan Motor		000 8170	4	½-13 (12.7mm) Flanged Locknut
	124 6948	1	230/460V 7.5HP 3Ø Motor	8	121 3356	2	Orifice Reinforcement
	201 6818	1	230/460V 10HP 3Ø Motor	9	121 0131	1	Air Stabilizer
	125 6934	1	230/460V 20HP 3Ø Motor	10	121 3459	3	Burner Mounting Angle

Fan Orifice Supports and Fan Guard



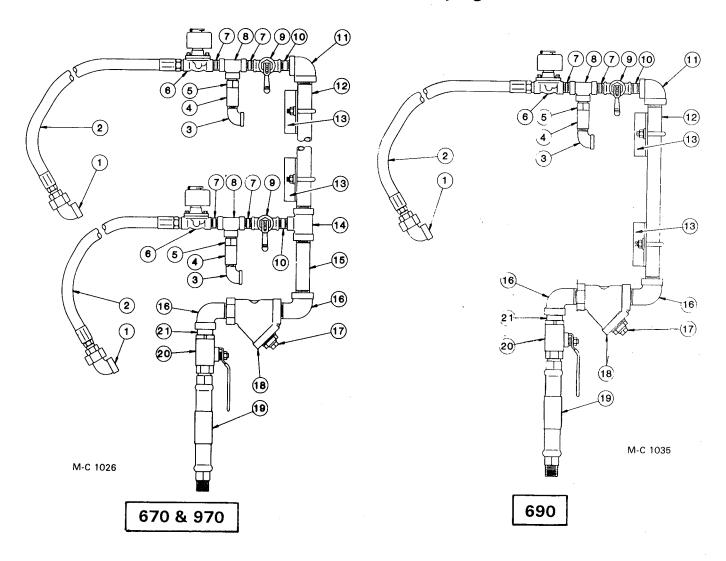
1	128 0273	2	Orifice Joiner Channel (670 & 970)
2	128 3463	3	Fan Housing Brace (690)
3	121 8301	1	Counterclockwise Arrow Decal
4	121 8956	_	Fan Guard
5	128 0272	1	Orifice Support Channel (670 & 970)
6	128 4445	1	Spacer Panel - Front (690)
7	128 0267	_	Fan Orifice - All

Electrode and Flame Sensing Probe



Ref.	Part No.	Qty.	Description	Ref.	Part No.	Qty.	Description
1	124 6872	1	Flame Sensing Probe	7	128 2747	1	Electrode Mount Seal
2	121 6915	2	Locknut - ½" (12.7mm)		001 8104	4	¼-20 x ½" (6.35 x12.7mm)
3	000 8162	1	3/8-16 (9.5mm) Hex Nut				Self Tapping Screw
4	000 8227	1	3/8-16 x 23/4"(9.5 x 69.9mm)	8	000 8168	2	3/8-16 Flanged Locknut
			Capscrew - Full Thread	9	122 9003	1	Ignition Wire 66" (168cm)
5	128 2746	1	Electrode Mount Plate	10	128 6989	3	Stand-Off Clip
6	128 6995	1	Style 2 Electrode	11	128 4941	1	Wire Support Bracket
	000 8186	2	6-32 x ½ "(12.7mm) Machine				(On bottom burner)
			Screw	12	124 1079	1	Low Voltage Black Wire Assembly
	000 8245	2	No. 6 Lockwasher				(Flame Sense) 84" (213cm) 18 ga.
	000 8185	2	6-32 Flanged Locknut	13	124 1377	1	Low Voltage Red Wire Assembly (Electrode) 84" (213cm) 18 ga.

LP Gas Liquid Line Piping



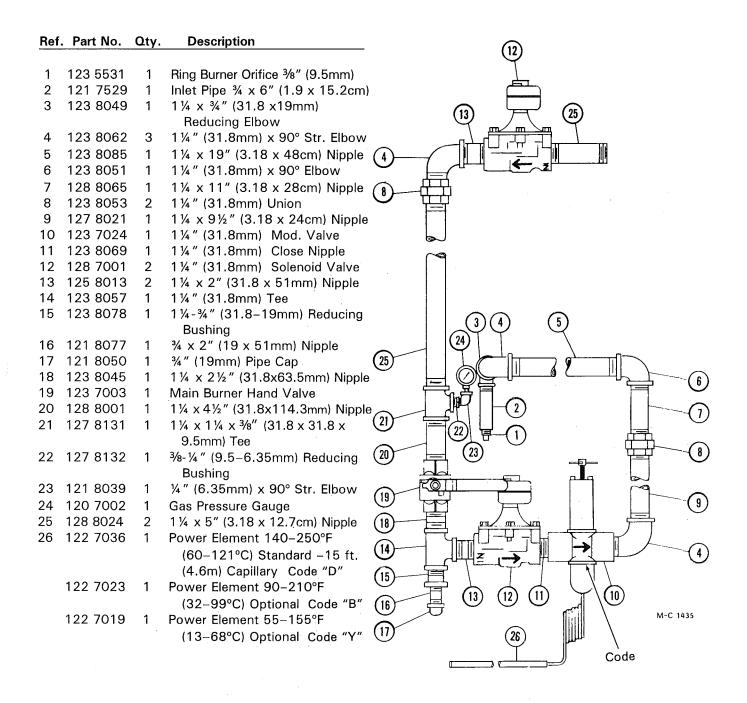
Ref	. Part No.	Description	Ref.	Part No.	Description
1 2	128 8010 128 8400	½" (12.7mm) Extra Hvy. Union Elbow ½" (12.7mm) ID x 34" Hose w/Couplings	(128 2670 001 8123 000 8106	Liquid Line Support 5/16-18 x 13/8" (7.9 x 34.9mm) "U" Bolt 5/16-18 x 3/4" (7.9 x 19mm) Capscrew
4	121 8048 121 7013	½" (12.7mm) – 90° Std. Street Elbow Relief Valve	(000 8169 125 8018	· · · · · · · · · · · · · · · · · · ·
5 6 7	121 7014 125 7082 121 8094	Relief Valve Adapter ½" (12.7mm) Solenoid Valve ½" x 1½" (12.7 x 38.1mm) Extra Hvy.	15	128 8043	Extra Hvy. "T" 1 x 6" (2.54 x 15.2cm) Extra Hvy. Nipple
8 9	120 8035 121 7015	Nipple ½" (12.7mm) Extra Hvy. "T" ½" (12.7mm) Hand Valve		125 8028 121 8081	1" (25.4mm) – 90° Extra Hvy. Street Elbow ½" (12.7mm) Pipe Plug
	128 8048	½ x 2½" (12.7 x 6.35mm) Extra Hvy. Nipple	18	121 8081 125 8095 121 7026	1" (25.4mm) Strainer Inlet Hose
	121 8043	1" to ½" (25.4 to 12.7mm) – 90° Extra Hvy. Elbow		128 8012 125 8030	1" (25.4mm) Hand Valve 1" (25.4mm) Close Extra Hvy. Nipple
12	128 8062	1 x 43" (2.54 x 109cm) Extra Hvy. Nipple (670 & 690)			
	128 8055	1 x 16½" (2.54 x 41.9cm) Extra Hvy. Nipple (690)			

LP GAS MANIFOLD AND PIPING (For One Burner)

Ref.	Part No.	Qty.	Description	
1	021 5711	1	Ring Burner Orifice 5/16" (7.9mm)	(29)
2	121 7529	1	Inlet Pipe ¾ x 6" (1.9 x 15.2cm)	7 -
3	123 8049	1	1¼ x ¾" (31.8 x19mm)	(30) (31) (32) (33) (34) (35)
			Reducing Elbow	
4	123 8062	2	1¼" (31.8mm) x 90° Str. Elbow	
5	123 8085	1	1¼ x 19" (3.18 x 48cm) Nipple	
6	123 8051	1	1 ¼ " (31.8mm) x 90° Elbow	
7	128 8065	1	1 1/4 x 11" (3.18 x 28cm) Nipple	
8	123 8053	1	11/4" (31.8mm) Union	(28)
9	127 8021	1	1¼ x 9½" (3.18 x 24cm) Nipple	(31)
10	123 7024	1	1¼" (31.8mm) Mod. Valve	
11	123 8069	1	1 ¼ " (31.8mm) Close Nipple	₽ <u> </u>
12	128 7001	1	1¼" (31.8mm) Solenoid Valve	
13	125 8013	1	1 ¼ x 2" (31.8 x 51mm) Nipple	(3)
14	123 8057	1	1¼" (31.8mm) Tee	
15	123 8078	1	1¼-¾" (31.8–19mm) Reducing	(3)(4) (5)
			Bushing	
16	121 8077	1	34 x 2" (19 x 51mm) Nipple	
17	121 8050	1	34" (19mm) Pipe Cap	
18	123 8045	1	1¼ x 2½" (31.8x63.5mm) Nipple	
19	123 7003	1	Main Burner Hand Valve	
20	128 8001	1	1¼ x 4½" (31.8x114.3mm) Nipple	
21	127 8131	1	$1\% \times 1\% \times 3\%$ (31.8 x 31.8 x	
22	107 0100	4	9.5mm) Tee	(3)
22	127 8132	1	3/8-1/4" (9.5–6.35mm) Reducing	
23	121 8039	1	Bushing ¼" (6.35mm) x 90° Str. Elbow	(19)
24	121 3039	1		
25	123 8078	1 1	Gas Pressure Gauge 1¼-¾" (31.8–19mm) Reducing	
20	123 0076	'	Bushing	
26	128 8046	1	³ / ₄ x 13½" (1.9 x 34.3cm) Nipple	(B)—[2] [1] [1] [1]
27	128 8019	1	34" (19mm) Female Union Elbow	
28	125 8058	1	³ / ₄ x 2½" (19 x 63.5mm) Nipple	
29	128 7005	1	Gas Regulator LP	
	121 8005	1	34 x 1 ½" (19 x 38.1mm) Nipple	(17) M-C 1434
31	121 8060	1	3/4" (19mm) Dirt Strainer	Code
32	121 8010	1	¾ x 6½" (1.9 x 16.5cm) Ex.	
			Hvy. Nipple	
33	121 8072	1	¾" (19mm) Ex. Hvy. Union	
34	128 8046	1	% x 12½"(19 x 32cm) Ex. Hvy.	
			Nipple	
	121 8027	1	34"(19mm) x 90° Ex. Hvy. Elbow	
36	122 7036	1	Power Element 140-250°F	
			(60–121°C) Standard – 15 ft.	
			(4.6m) Capillary Code "D"	
	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"	
37	123 7033	1	¾ x 24" (1.9 x 61cm) S.S.	
			Braided Hose	
38	128 8019	1	34"(19mm) Ex. Hvy. Female Union E	lbow

NOTE: Components with directional arrows must be installed as shown.

NATURAL GAS MANIFOLD AND PIPING (For One Burner)



NOTE: Components with directional arrows must be installed as shown.

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

For Modulating Valves 123 7002 & 123 7024

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

122 7006 Diaphragm

For 1¼" (31.8mm) Solenoid Valve 128 7001

122 7034 Repair Kit (See note)

--- 4607 Coil

For 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.

For LP Gas Pressure Regulator 128 7005

122 7043 Diaphragm (Nitrile)

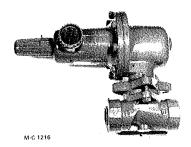
122 7044 Disc Assembly

122 7045 Control Spring (Yellow)

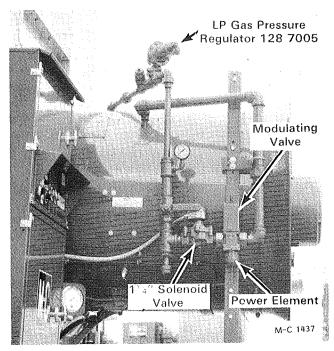
122 7046 Stabilizer

122 7047 Diaphragm Case O Ring

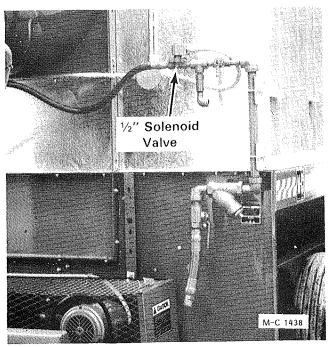
Fisher LP Gas Pressure Regulators



128 7005



690EM-LP



690EM-LP

INSTALLATION INSTRUCTIONS

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



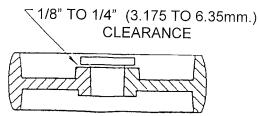
CAUTION: Be sure to turn off and lock the main electric supply to the dryer before working on fan.

 $\underline{\text{DO NOT}}$ use old bushing and bolts. Use new bushing and bolts supplied with this fan. $\underline{\text{DO NOT}}$ use lubricant on any parts.

- 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.

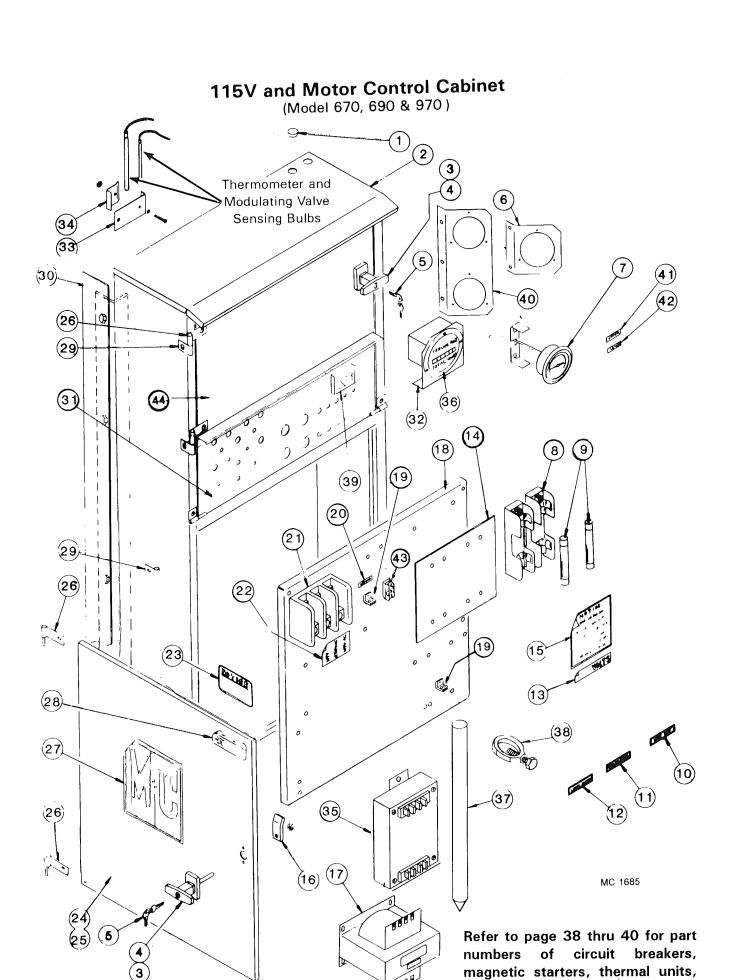
Note: If a pop is heard while tightening, it is possible the fan was cracked at the bolt holes. Do not attempt to use the fan if this has occurred. Remove the fan and inspect the bore of the fan for a crack running along the threaded hole of the fan. If a crack exists, call the factory immediately.

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)

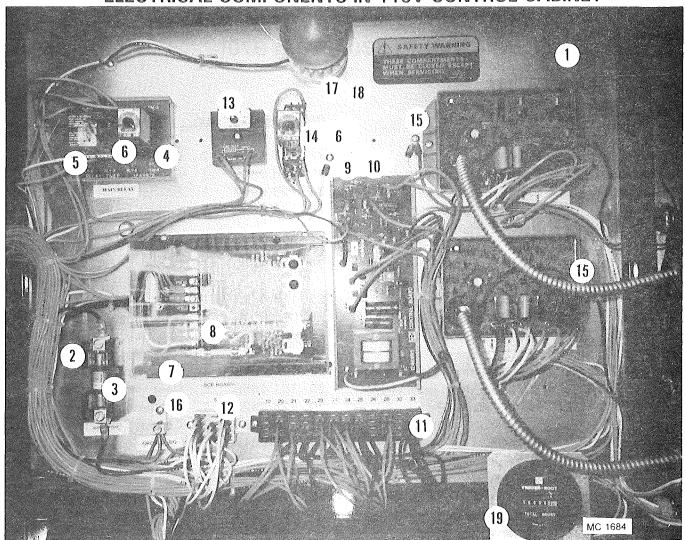


coils, and interlocks.

115V AND MOTOR CONTROL CABINET (Model 670, 690 & 970)

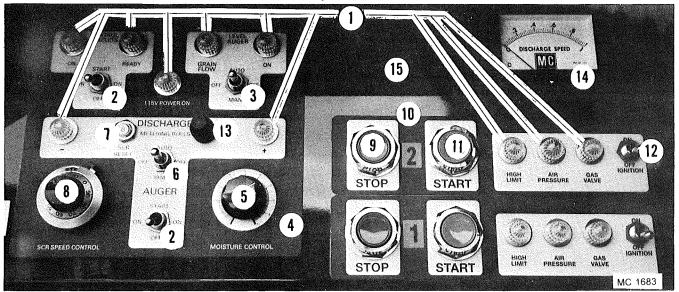
Ref	. Part No.	Qty.	Description	Ref	. Part No.	Qty.	Description	
1	121 8600	1	Hole Plug	19	125 6918	2	Grounding Lug	
2	128 0307	1	Control Cabinet Weld	20	128 8349	1	Ground Decal	
	128 8600	AR	Weather Stripping -	21	128 6957	1	Splitter Block-1 & 3 Phase	
			¼ " x ½" (6.35x12.7mm)	22	128 8318	1	Splitter Block Voltage	
3	124 1021	2	Door "T" Handle Assembly				Decal	
			(Incl. Ref. 5 keys, Ref. 16	23	001 8310	1	Machine Warranty Decal	
			cam and mtg. hardware)	24	128 1930	1	Lower Door Assembly (Incl.	
4	128 8946	2	Door "T" Handle w/keys				Ref. 3, 16 & 25 thru 28)	
			(Less Ref. 16 cam)	25	124 4816	1	Door - Lower	
5	122 8900	2	Door "T" Handle Key	26	021 0012	4	Door Hinge w/Pin	
6	124 4824	1	Thermometer Mt. Plate - 690	27	001 8301	1	M-C Decal - 8-3/16 x 9" (20.8 x 22.9cm)	
7	128 8983	1	Thermometer -15ft. (4.6m)	28	121 8316	1	Dryer Warning Decal	
			Capillary (Mtg. brkt. incl.)	29	121 4656	6	Door Hinge w/o Pin	
8	203 6801	1	Fuse Holder 208V	30	128 2676	2	Cabinet Extension	
	121 6988	2	Fuse Holder 460V & 575V	31	128 0340	1	Control Cabinet Door - 690	
	124 6999	2	Fuse Cover for #1216988		128 0318	1	Control Cabinet Door -	
9	124 6835	2	208V Fuse - FRN9				670/970	
	124 6829	2	460V Fuse - FRS4	32	124 2855	1	Hour Meter Bracket	
	127 6839	2	575V Fuse - FRS3.2	33	121 2883	-	Sensing Bulb Bracket	
10	121 8313	1	Heat Fan Decal	34	121 2882	-	Sensing Bulb Clip	
11	128 8335	1	Unload Auger Decal	35	124 6947	1	Motor Saver	
12	121 8351	1	Level Auger Decal				(20HP 10 only)	
13	123 8339	1	208 Volts Decal	36	444 645	1	Hour Meter	
	123 8336	1	230 Volts Decal	37	124 6980	1	Grounding Rod - 9/16" x	
	123 8335	1	460 Volts Decal				8 ft. (14.3mm x 2.4m)	
	123 8338	1	575 Volts Decal	38	124 6979	1	Grounding Rod Clamp	
14	128 5789	2	Insulator Sheet	39	124 6981	1	Discharge Meter	
			(460V & 575V)	40	124 4815	1	Thermometer Mt. Plate	
15	121 8315	1	Notice, Warranty Decal				(670 & 970)	
16	128 3425	2	Door Handle Cam	41	121 8322	1	Thermometer "Upper"	
17	127 6855	1	200/208V Transformer				Decal	
			(750VA)	42	121 8321	1	Thermometer "Lower"	
	127 6827	1	230/460V Transformer				Decal	
			(750VA)	43	127 6823	1	Isolated Neutral Lug –	
	127 6829	1	230/460/575V Trans-				30/230V only	
			former (750VA)	44	021 4769	1	Upper Door (only)	
18	124 4453	1	Component Mtg. Panel					

ELECTRICAL COMPONENTS IN 115V CONTROL CABINET



			670/970 Shown
Ref.	Part No.	Qty.	Description
1	021 4770	1	Component Mounting Board
2	128 6851	1	Fuse Holder
3	128 6967	1	10 Amp Fuse (NON-10)
4	124 6972	1	Relay & Timer Socket Board starting with S/N 55242
5	021 6809	1	Relay
6	124 6978	2	60 Minute Adjustable Timer starting with S/N 55242
7	124 6874	1	SCR Board (Dart)
8	121 6805	1	10 Amp GLH Fuse
9	124 6995	1	Moisture Control Board
10	128 5916	1	Snap Track 8½"
11	124 6928	1	Terminal Block 12-Position
12	124 6929	1	Terminal Block 3-Position
13	124 6996	1	0 to 3 Minute Adjustable Level Auger Timer
14	124 6987	1	Cold Grain Timer Base
15	124 6994	1	Ignition Board - 690 starting with S/N 56646
	124 6994	2	Ignition Board - 670 & 970 starting with S/N 56646
16	1256918	1	Grounding Lug
17	124 6841	1	Light Bulb Socket
18	124 6842	1	50 Watt Rough Service Bulb
19	444 645	1	Hour Meter

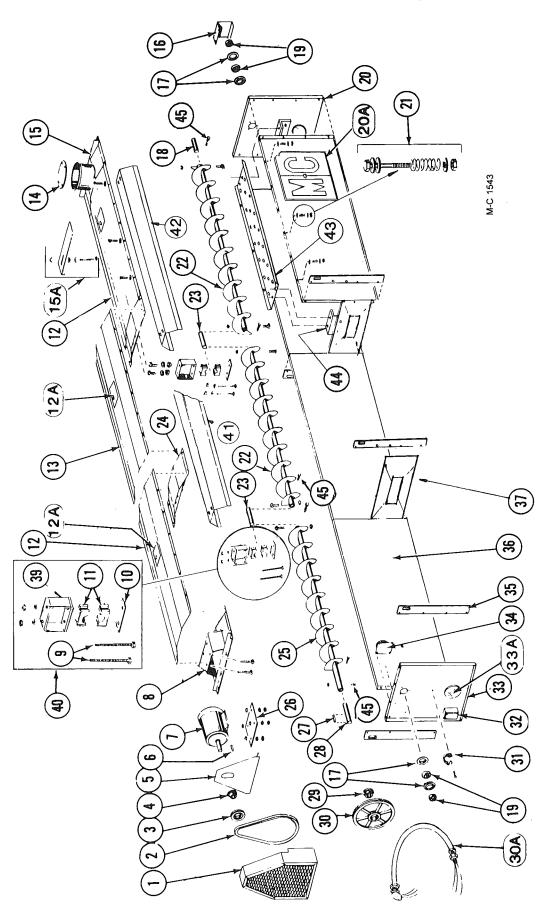
CONTROL PANEL LIGHTS, SWITCHES AND CONTROLS



670/970 Shown

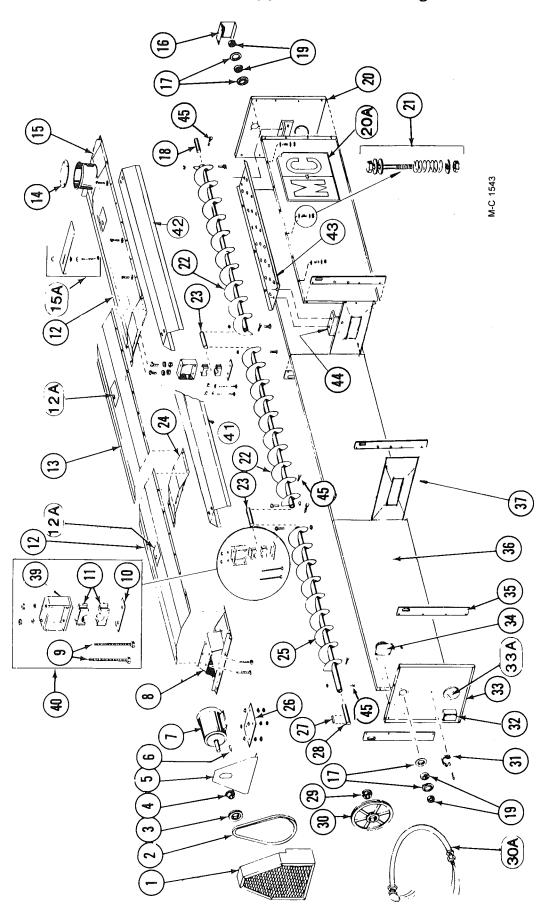
Ref.	Part No.	Description
1	121 6808	125V Indicator Lamp Assembly
	100 0010	(Inc. lamp & lens)
	122 6810	125V Indicator Lamp
	122 6800	Indicator Lamp Lens (Clear)
2	120 6827	OFF-ON-ON Momentary Contact Toggle Switch
3	121 6807	ON-OFF-ON Toggle Switch (DPDT)
4	128 8365	115V Control Bezel
5	124 6955	Moisture Control Potentiometer
		& Wires - 60" (152cm)
	124 6941	Knob
6	124 6895	ON-OFF-ON Toggle Switch (3PDT)
7	124 6848	8 Amp Circuit Breaker (SCR Drive)
8	124 1195	SCR Drive Potentiometer
		(10 turn w/wires) - 42" (107cm)
	124 6892	Multi-Dial
9	128 6845	Stop Button - Red
10	128 8358	Fan Control Bezel
11	128 6844	Start Button - Green
12	121 6815	ON-OFF Toggle Switch (SPST)
13	124 6938	Fuse Holder
	124 6937	1 Amp Fuse Slo-Blow
14	124 6981	Discharge Meter
15	128 0340	Control Cabinet Door - 690
	128 0318	Control Cabinet Door - 670 & 970

Hopper and Level Auger



	-	16 ft. 24 ft.	24	¥		,	16 ft. 24 ft	<u> 4</u> ft	
		(4.9m) (7.3m)	(7.3	_			_	7.3m	
Ref.	Part No.	Oty	Oty. Oty.	ly. Description	Ref.	Part No.	Otv.	Otv.	Description
-	129 0003	_	_	Level Auger Guard	13	129 2946	1	_	Hopper Cover - Center 83"
7	128 6103	_	_	2/3V/710 (banded belt) or					(211cm)
				128 6104 in matched set of two	14	129 4204	-	_	Receiving Tube Cover
က	128 6207		_	3V/3.65 x 2 Groove Pulley 60 Cycle	15	129 0002	_	_	Receiving Hopper
	128 6220	_	—	3V/4.5 X 2 Groove Pulley 50 Cycle	15A	129 4205	_	_	Flow Restrictor
4	128 6214		_	1%" (28.6mm) SH Bushing for 3HP &		129 5703	_	_	Position & Locking Bolt
				5HP motor (Incl. capscrews &		000 8168	က	ო	%-16 Flanged Locknut
				lockwashers)	16	129 4947		_	Stub Guard
2	129 4944	_	_	Level Auger Guard Back	17	001 6004	4	4	Bearing Flangette 11/4" (31.75mm)
9	001 5119	_	_	Key - 1/4 "x1/4 "x2" (6.35x6.35x51mm)	18	128 5052	,-	_	Level Auger Rear Shaft 11/4" x 8"
				3HP & 5HP motors					(31.75 x 203mm)
7	128 6818		1	3HP 30 Motor 230/380/460V	19	001 6003	7	7	Bearing w/Lock Collar 11/4"
	128 6815	1.	_	5HP 30 Motor 230/380/460V					(31.75mm)
	128 6829	_	_	3HP 10 Motor 230V-670/690/970 10	20	129 2848	-	_	Hopper End Panel - Rear w/View
∞	129 0001	_	_	Level Auger Motor Mount					Lens
တ	001 8287	7	4	$\%"-16 \times 3\%"$ (9.5 × 95.2mm)	20A	121 8343		7	M-C Decal 26% " x 23" (67x60cm)
				Capscrew - Grade 5	21	000 8101		3	1/4-20x2" (6.35x51mm) Capscrew
	000 8162	4	∞	%-16 Hex Nut		131 8718	12	18	Spring %" OD x 1 %"
10	128 3415	_	7	Bearing Hanger Bar					(15.9 x 44.5mm) Plated
11	128 6021	_	7	Wood Bearing - 11/4" (31.75mm)		000 8172		54	1/4" (6.35mm) Flatwasher
						000 8210	12	18	1/4-20 Two-Way Locknut
12	129 2945	7	7	Hopper Cover - Front & Rear 76"					
,				(193cm)					
12A	12A 128 8355	7	က	Warning Decal					

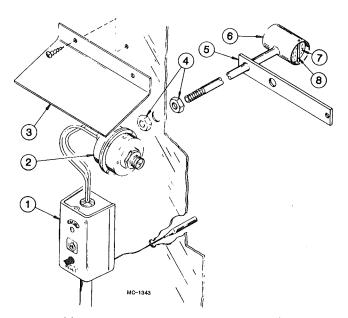
Hopper and Level Auger



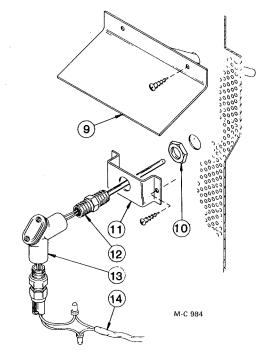
Hopper and Level Auger

	7	16 ft. 24 ft.	24 fi	ن		16	16 ft. 24 ft.	.	
	4	(4.9m) (7.3m)	(7.3			(4.9	(4.9m) (7.3m)	3m)	
Ref	Ref. Part No.	Oty.	Otv.	/. Description	Ref.	Part No. C	Oty. Oty.	Ztv.	Description
22	128 0122		7	Level Auger 93 ½" (238cm)	33	129 2835	_	_	Hopper End Panel - Front
				RH Flighting	33A	129 5702	_	_	Port View Lens
23	128 5050	-	7	Level Auger Center Shaft	34	128 6992	-	_	Level Switch Indicator (See pg. 36)
				1%" x $10%$ " (3.175 x $26cm$)	32	129 3412	4	4	Lifting Bar
24	129 0000	_	7	Level Auger Support	36	129 2836	4	9	Hopper Side
25	128 0317	_	_	Level Auger 86" (218cm)	37	129 2715	-	7	Hopper Sectional Panel
				RH Flighting	38				
26	129 4202	_		Level Auger Motor Mount Plate	39	128 0292		7	Level Auger Brg. Support Bracket
	000 8161	4	4	½-13 x 3½" (12.7 x 89mm)		001 8209	7	4	%-16 x 1" (9.5 x 25.4mm)
				Capscrew (Full Thread)					Hex Washer Head Bolt - Grade 5
~-	000 8170	4	4	½-13 (12.7mm) Flanged Locknut		001 8139	7	4	%" (9.5mm) Lockwasher
	000 8163	∞	∞	½-13 (12.7mm) Hex Nut		000 8162	7	4	%-16 (9.5mm) Hex Nut
27	001 5120			Key-1/4" x 1 1/2" (6.35 x 38.1 mm)	40	122 1008	_	7	Level Auger Bearing Kit
28	128 5051	-	~	Level Auger Front Shaft					(Incl. Ref. 9, 10, 11 & 39 in
				1%" x 10" (3.175 x 25.4cm)					quantities reqd. for one bearing)
29	121 6241	-		1 1/4" (31.75mm) SK Bushing	41	129 2839	l	_	Auger Cover Long
				Incl. capscrews & lockwashers	42	129 2838	-	_	Auger Cover Short
30	128 6208	-		$3V/19.0 \times 2$ Groove Pulley	43	128 2761	—	_	Pan Under Auger
30A		, `		Flexible Conduit w/Wires	44	128 2760	7	7	Auger Pan Support Bracket
31	128 8951	-	-	Rubber Strap w/Hook	45	001 8137	8	12	$\%"-16 \times 2"$ (9.5 × 50mm)
32	128 6922	-		Slatter Box ½" (12.7mm)					Capscrew - Grade 5
						001 8149	8	12	3"-16 (9.5mm) Two-Way Locknut

Moisture Control, Sensor, Air Pressure and High Limit Switches



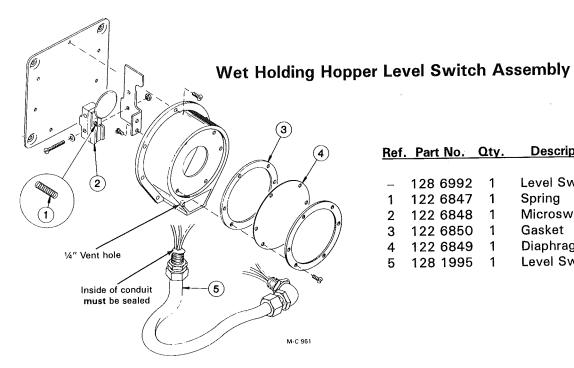
Air Pressure and High Limit Switches



Moisture Control Sensor

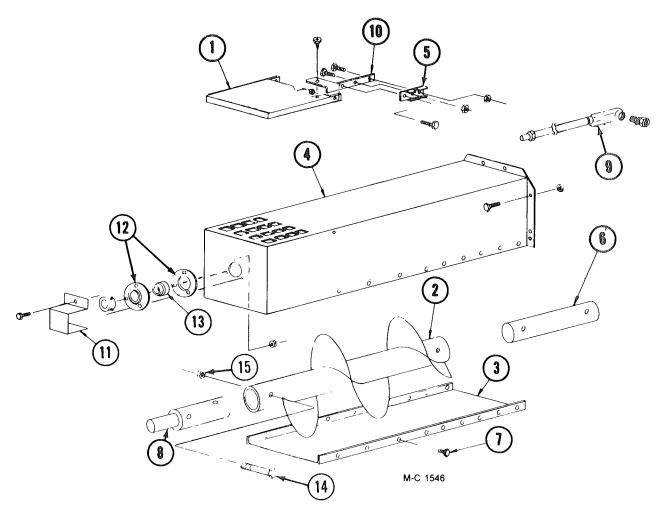
Ref	. Part No.	Description
1	124 6934	High Limit Switch –
		Adjustable-Manual Reset
2	121 6849	Air Pressure Switch
3	121 2946	High Limit Switch Cover
4	121 8000	Pipe Locknut – ¼" (6.35mm)
5	121 2007	Air Pressure Tube Bracket
6	121 0169	Air Pressure Tube
7	121 5716	Air Pressure Tube Filter
8		Filter Retainer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

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 El
14	125 6908	18/2 PVC Cord with Shield



 128 6992 1 Level Switch (Less ref 1 122 6847 1 Spring 2 122 6848 1 Microswitch Assembly 3 122 6850 1 Gasket 4 122 6849 1 Diaphragm (Teflon) 5 128 1995 1 Level Switch Wire Ass 	У

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
	128 0312	1	4 ft. (1.22m) Extension Auger	_		•	Liquatite Assembly
	128 0315	1	6 ft. (1.83m) Extension Auger		127 1232	1	4 ft. (1.22m) Extension
3	124 4474	1	2 ft. (.61m) Bottom Cover				Liquatite Assembly
	124 4475	1	4 ft. (1.22m) Bottom Cover		127 1234	1	6 ft. (1.83m) Extension
	124 4476	1	6 ft. (1.83m) Bottom Cover				Liquatite Assembly
4	128 0311	1	2 ft. (.61m) Discharge Housing	10	128 2937	1 *	Bulb Mount
	128 0313	1	4 ft. (1.22m) Discharge Housing	11	128 3011	1 *	Stub Shaft Guard
	128 0314	1	6 ft. (1.83m) Discharge Housing	12	001 6004	2*	1¼ " (31.8mm) Bearing
5	120 6801	1 *	Switch Mount Clip				Flangettes
6	128 5618	1 *	Unload Auger Link	13	001 6003	1 *	1¼" (31.8mm)Bearing w/Collar
7	001 8202		5/16-18 x ¾" (7.9 x 19mm)	14	000 8229	4	³ / ₈ -16 x 2 ³ / ₄ " (9.5 x 69.9mm)
			HWH Gr.5 Tapping Bolt				HHCS Grade 5 ZP
			(Qty 8, 16 or 24)	15	000 8205	4	³ / ₈ -16 (9.5mm) Flanged Locknut
				16	120 6800	1 *	Unload Switch
	*Not include	ded i	n kit when field installed				

DRYER MOTORS, CIRCUIT BREAKERS AND MAGNETIC STARTERS

	МОТО	OR -	CIRC	UIT BRE	AKER		MAGNETIC	CSTARTER	
НР	*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	GOU 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
25	67.0	127 6852	128 6887	110	Q2L 3110	124 1082	DPA73	120 6844	CC 103
30	80.0	127 6859	124 6906	125	Q2L 3125	124 1083	DPA93	128 6954	CC 132
230)V - 1 F	HASE - 60	HZ						
□1.5	8.3	121 6846	128 6878	20	QOU 220	124 6931	DPS033	128 6863	В 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	В 19.5
3	20.0	128 6829	124 6909	40	QOU 240	124 6931	DPS033	120 6857	В 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	В 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	В 79
20	92.0	124 6879	124 6881	125	Q2L 2125	124 1083	DPA93	128 6820	CC 156
230	DV - 3 I	PHASE - 60	HZ						
□1.5	5.0	121 6845	128 6882	15	QOU 315	124 6931	DPS033	120 6851	В 7.70
‡1.5	5.0	127 6860	128 6882	15	QOU 315	124 6931	DPS033	120 6851	В 7.70
2	6.0	121 6861	128 6882	15	QOU 315	124 6931	DPS033	128 6947	В 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	В 70
20	49.6	125 6934	128 6885	90	QOU 390	124 1082	DPA73	128 6972	CC 74.6
25	61.0	201 6842	128 6966	100	QOU 3100	124 1082	DPA73	128 6827	CC 87.7
30	73.0	128 6986	128 6887	110	QL2 3110	124 1083	DPA93	128 6820	CC 156

^{*}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.

^{□ - %&}quot; shaft

^{‡ - 1/8&}quot; shaft

^{† - 124 6816} has 1%" shaft. 124 6888 has 11/4" shaft.

DRYER MOTORS, CIRCUIT BREAKERS AND MAGNETIC STARTERS

	мото	OR .	CIRC	UIT BRE	AKER		MAGNETI	C STARTER	
НР	*FLA	Part No.	Part No.	Amps	Square "D" No.	Starter Part No.	Square "D" No.	Thermal Unit Part No.	Thermal Unit Size
380\	/ - 3 PF	IASE - 50 H	IZ						·
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	В 6.25
2	3.7	121 6861	128 6931	15	FAL 36015	124 6931	DPS033	120 6845	В 6.90
**2	3.7	124 6867	128 6931	15	FAL 36015	124 6931	DPS033	120 6845	В 6.90
3	5.2	128 6818	128 6931	15	FAL 36015	124 6931	DPS033	128 6947	В 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
460\	/ - 3 PH	1ASE - 60 H	IZ						
□1.5	2.5	121 6845	128 6931	15	FAL 36015	124 6931	DPS033	128 6984	В 3.00
‡1.5	2.5	127 6860	128 6931	15	FAL 36015	124 6931	DPS033	128 6984	В 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	В 36
20	24.8	125 6934	128 6937	60	FAL 36060	124 6930	DPS053	120 6853	B 45
25	31	201 6842	124 6905	70	FAL 36070	124 6930	DPS053	128 6983	B 56
30	37	128 6986	125 6929	80	FAL 36080	124 6930	DPS053	128 6978	B 70
575	/ - 3 PI	HASE - 60 H	łΖ						
□1.5	2	127 6815	128 6931	15	FAL 36015	124 6931	DPS033	128 6984	В 3.00
‡1.5	2	127 6862	128 6931	15	FAL 36015	124 6931	DPS033	128 6984	В 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	В 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	В 36
25	25	127 6846	128 6937	60	FAL 36060	124 6930	DPS053	120 6853	B 45
30	30	124 6902	128 6937	60	FAL 36060	124 6930	DPS053	128 6983	B 56

^{*}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%" shaft

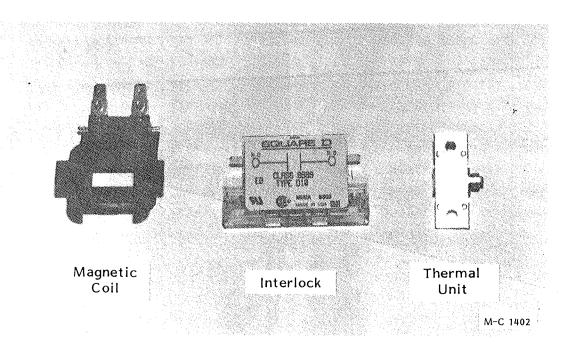
^{‡ - 1/8&}quot; shaft

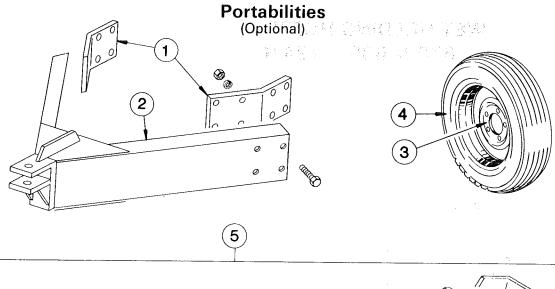
115V COILS AND INTERLOCKS

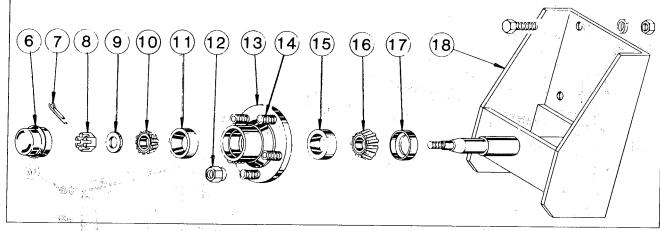
STARTE	ER .		COIL	IN	TERLOCK
SQUARE "D" NO.	M-C NO.	M-C NO.	SQUARE "D" NO.	M-C NO.	SQUARE "D" NO.
DPA73	124 1082	122 6861	9998-DA3V02	124 6933	9999-D-20
DPA93	124 1083	122 6861	9998-DA3V02	124 6933	9999-D-20
DPS053 (50) HZ	124 6930	122 6860	9998-DA1V02	124 6933	9999-D-20
DPS033 (50) HZ	124 6931	122 6860	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

STARTE	ER .		R STRAP KIT APS PER KIT)	CO	NTACT 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-\$032	122 6864	9998-DRC9
DPS033 (50) HZ	124 6931	120 6841	9998-8031		
DPS053 (50) HZ	124 6930	120 6841	9998-8031	122 6862	9998-DRC5
DPS033 (60) HZ	124 6931	120 6841	9998-\$031		
DPS053 (60) HZ	124 6930	120 6841	9998-S031	122 6862	9998-DRC5







M-C 980

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

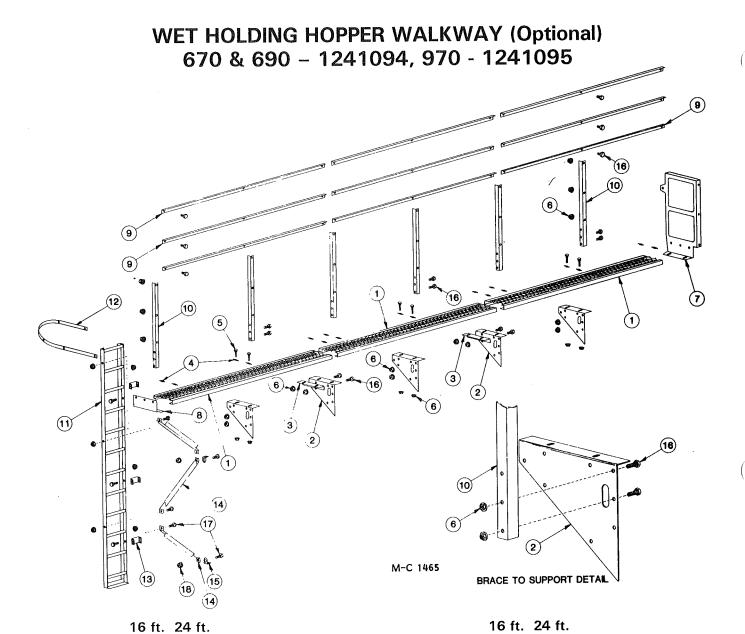
120 1031 - 6 Wheel Portabilities (Incl. ref. 1 & 2 and six of ref. 3 & 5 - less tires)

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

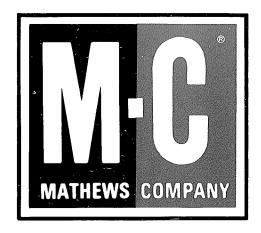
120 1040 - Additional Portabilities (Incl. two of ref. 3 & 5 - less tires)

Section 1

		_					2.8	
Ref.	Part No.		Description	Ref.	Par	t No.	Qty.	Description
1	128 3671	2	Pole Mount Brkt.	6	001	8996	1::5	Hub Cap
	128,8196	8	³ / ₄ - 10 x 2½" Capscrew -	7	001	8252		CotteryPin - 1/8/1/x 1/1/1
			Grd. 5	8	001	8253	1	Spindle Nut
Sin			34" Lockwasher at page 15	9	001	8254	. 1	Spindle Washer a 1953 - 1
			34;- 10;Hex Nut;	10	001	6000	1,	Bearing Cone - Outer
			Dryer Pole (2) (2)	11	002	6000	.:1	Bearing Cup 2 Outer
723 - 1			³ / ₄ - 10 x 2" Capscrew -	12	001	8989	5.5	½ - 20 Lug Nut - 45°
			Grd. 5	13	001	8992	. 400	Wheel Hub Ass'y 5 Bolt
			34" Lockwasher	(-1,-1,-1,-1)		100	* . * *. *	(Incl. ref. 11, 14 & 15)
			23/49- 100Hex Nútrico (1997)	14	002	8152	5	1/2 - 20 x 11/2" Stud
3	001 8993	addew	5 Bolt Wheel + 15"	15	002	6001	1.1	Bearing Cup - Inner
1919 4 2	3127 8990 <i>(</i>	318 1년	7.60 x 15 46 Ply Tubeless Tire	16	001	6001	1	Bearing Cone - Inner
750 5 88			Wheel Spindle & Hub Ass'y.	17	001	8991	[;] 1	Seal
	₹*	And I	(Inc ref. 6 thru 18)	18	120	0031	-1	Wheel Mount
Francisco de	000 8146	6	% - 11 x 1½" Capscrew -					
TROACT OF	Wester the				٠.,	k * - * - *		
,			5%" Lockwasher	** 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
STGH.	000 8164	6 %	% - 11 Hex Nut	!		1	.;	



	(4.9m) (7.3	Bm)		(4.9m	(7.3	im)
Re	f. Part No.	Qty	Qty	. Description	Re	f. Part No.	Qty	Qty	. Description
1	128 5712	1	1	Walkway Grating - 95¼"	9	129 2004	6	9	Standard Guard Rail
				(2.42m)	10	129 2015	4	6	Guard Rail Brace
	129 8700	1	2	Walkway Grating - 95 3/4"	11	120 0045	1	1	Ladder - 11½' (4m)
				(2.43m)	12	128 2031	1	1	Ladder Cage Hoop - 54"
2	129 2600	3	5	Bridge Support					(137cm)
3	129 2602	1	2	Walkway Grating Support	13	128 2660	3	3	Ladder Mounting Bracket
4	120 8994	12	18	Walkway Grating Anchor	14	128 2661	3	3	Ladder Mounting Angle
				Clip	15	001 3302	3	. 3	Angle Clip
5	001 8276	12	18	5/16-18x3" (7.9x76.2mm)	16	001 8202	130	150	5/16-18x¾" (7.9x19mm)
				Carriage Bolt					Hex Washer Head Bolt -
6	000 8169	142	168	5/16 (7.9mm) Flanged					Grd. 5
				Whiz Locknut	17	001 8209	12	12	%-16 x 1" (9.5x25.4mm)
7	128 2758	1	1	Walkway End Guard					Hex Washer Head Bolt -
				24 x 47 ½" (61x121cm)					Grd. 5
8	124 2601	1	1	Walkway End Support	18	000 8168	12	12	%-16 (9.5mm) Flanged
				,					Locknut





Iron Horse Quality