



**Star
Manufacturing
International Inc.**

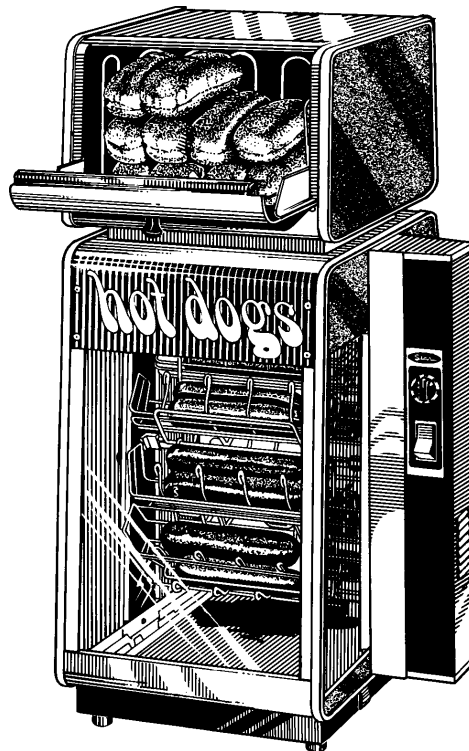
10 Sunnen Dr.
St. Louis, MO 63143

Phone: (314) 781-2777
FAX: (314) 781-3636

**Installation
and
Operating
Instructions**

2M-Y5358 Rev. B 8/15/95

BROIL-O-DOG MODELS 174 AND 175



MODEL 174-CB





CAUTION

This equipment is designed and sold for commercial use only by personnel trained and experienced in its operation and is not sold for consumer use in and around the home nor for use directly by the general public in food service locations. For equipment to be used by the general public, please contact the factory.

MODEL DESIGNATION AND CAPACITY

- I 74C - Broil-O-Dog with cradle wheel (18 standard hot dogs)
- I 74S - Broil-O-Dog with spike wheel (24 standard hot dogs)
- I 74CB - Broil-O-Dog with cradle wheel and bun compartment (18 standard hot dogs, 24 buns)
- I 74SB - Broil-O-Dog with spike wheel and bun compartment (24 standard hot dogs, 24 buns)
- I 75C - Broil-O-Dog with cradle wheel (36 standard, 18 extra long hot dogs)
- I 75S - Broil-O-Dog with spike wheel (48 standard, 18 extra long hot dogs)
- I 75CB - Broil-O-Dog with cradle wheel and bun compartment (36 standard, 18 extra long hot dogs, 36 buns)
- I 75SB - Broil-O-Dog with spike wheel and bun compartment (48 standard, 24 extra long hot dogs, 36 buns)

INSTALLATION:

1. Clean broiler inside and outside before placing in service. (See Cleaning)
2. Place the broiler in a prominent location on a level counter, where the revolving hot dogs will attract attention.
3. Precaution should be taken so customers do not come in contact with the hot broiler.
4. Plug the lead in cord into a suitable 120 volt (or 240V, if applicable) convenience outlet.

5. Install the hot dog wheel in the broiler by placing the slotted end of the shaft into the motor coupling at the left of the broiler. Raise the un-slotted end of the shaft up and into the cradle of the hanger on the right side of the broiler.

GENERAL OPERATING PROCEDURES

1. Place the desired quantity of hot dogs on the holders.
2. When ready to start broiling, push the switch to "ON" position and the infinite control switch to "HIGH". NOTE: A lower infinite control setting may be used for slower broiling.
3. The time required to broil the hot dogs will vary, depending upon the size and the temperature of the hot dogs when placed in the Broil-O-Dog.

With the switch "ON" and the infinite control on "4-1/2", average size hot dogs at room temperature will be ready for serving in about 15 minutes. This time can be decreased to 10 minutes by setting the control on "HIGH", but care should be taken so as not to blister the hot dogs at this setting. Turn control to 2-1/2 or 3 to keep the hot dogs in a ready to serve condition.

Hot dogs can be held for several hours on this unit without loss of flavor or shriveling. For continuous use during rush periods, the units can be left on any setting without harm.

NOTE: When you turn the switch to the "OFF" position, you also turn off the heating element.

4. Load or unload the hot dog wheel by pressing in and holding the serve switch to stop the hot dog wheel.
5. The hot dog wheel can be removed from the unit for cleaning. The glass is removable for cleaning but care should be exercised when doing so.

UNITS EQUIPPED WITH BUN COMPARTMENT

Put one quart of water in the bun compartment to keep buns moist and warm. Use warm water for best results. Check water level periodically and add water when necessary. Buns will become stale and hard if there is no water in the bun compartment pan.

NOTE: The choice of buns will make a difference in the quality of the heated buns. A bun with a doughy interior is not as good as one with a coarse makeup

LIGHT BULB

Use 15 watt, 120 volt (or 240V if applicable) appliance size oven type lamp.

CLEANING:

1. Place ON/OFF switch in "OFF" position.
2. Remove the hot dog wheel and drip tray.
3. Remove the wheel hanger at left of broiler
4. The glass is removable for cleaning but care must be taken when doing so.
5. Clean all of the above parts and inside and outside of the broiler with soap and water, rinse and install parts.

MAINTENANCE AND REPAIRS

Contact the factory, a service representative or a local service company for service or required maintenance.

RETAIN THIS MANUAL FOR FUTURE REFERENCE

GLASS INSTALLATION INSTRUCTIONS for MODEL 175H BROIL-O-DOG

Due to heavy glass breakage in shipping and handling, we are forced to ship the glass wrapped separately.

To Install Glass:

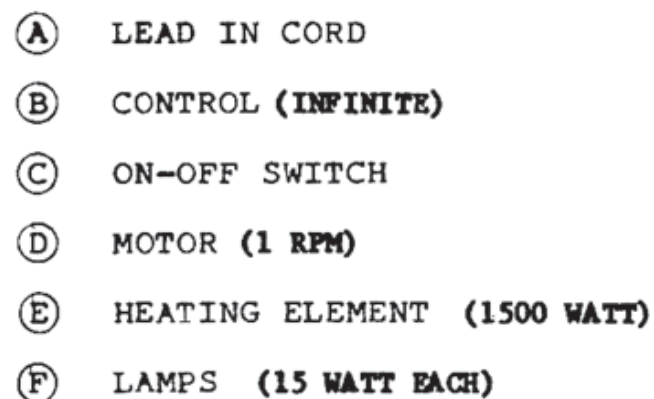
1. Remove Cradle (Spike) wheel and hanger assembly from unit.
2. Starting with the largest glass piece, place the glass inside the machine. Position the top of the glass between machine frame and the glass retainer at the top of the machine. Lift the bottom of the glass up as far as possible, and swing lower end of glass into place against the frame of the machine. Gently lower the glass down until it rests on the bottom of the machine.
3. Repeat the above procedure for each of the 2 remaining glass pieces. These pieces have a large hole in the center. The smaller end of the glass should be at the top of the machine.



Star Manufacturing
International, Inc.
10 Sunnen Drive
St. Louis, MO 63143

WIRING DIAGRAM

A



⑤ #14 GA.
⑦ #14 GA.
ALL OTHERS #16 GA.

MATERIAL			FINISH		MODEL NO. 174/175H		PART NO. SK1384		
DR. RT	CK.	DATE 3-28-90	STAR MFG. INTERNATIONAL, INC. 9325 OLIVE BOULEVARD ST. LOUIS, MO 63132		TITLE WIRING DIAGRAM				
LIMITS UNLESS OTHERWISE NOTED FRACTIONS ± 1/64 DECIMALS ± .005					CHANGES		LTR	DATE	CHANGE

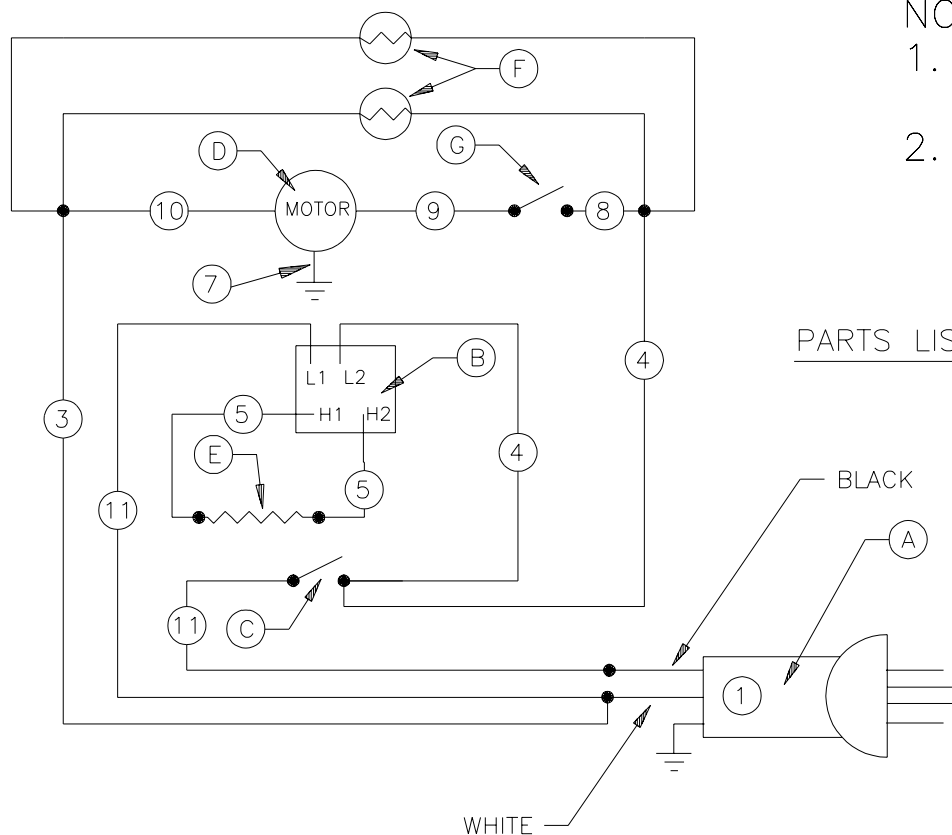
A	3-28-90	ADDED WIRES 8, 9, 10, 11 AND SWITCH G	RT
B	5-3-91	#4 WIRE WAS #6 WIRE	DB
C	12-7-92	#11 WIRE WAS #2 WIRE	DB
D	8-16-95	REDRAWN TO CAD	PB

NOTES:

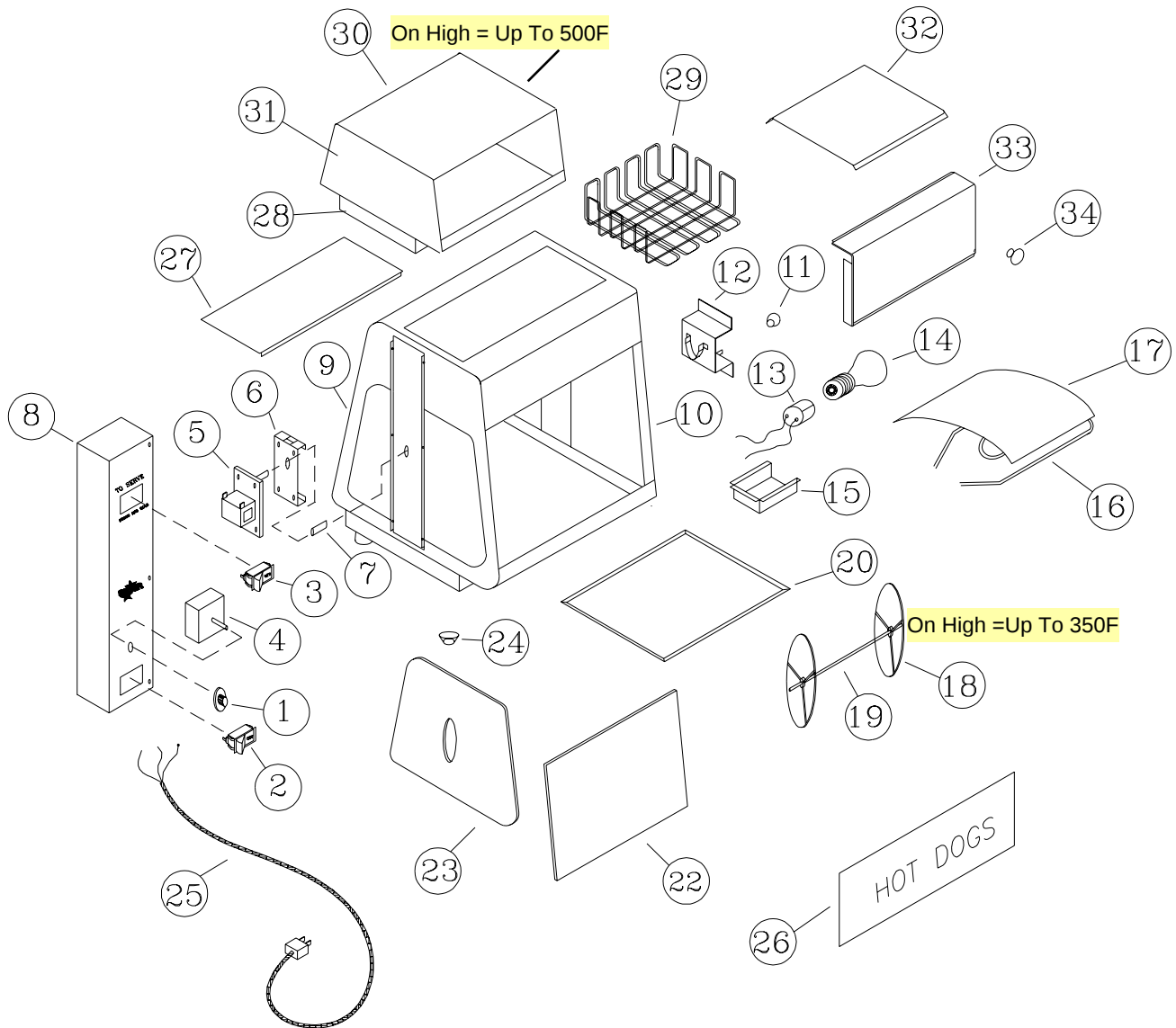
- ALL WIRES ARE #16 GA. UNLESS OTHERWISE NOTED
- WIRE ⑦ IS #14 GA. STRANDED COPPER.

PARTS LIST (SPECIFY VOLTAGE WHEN ORDERING)

- ① LEAD IN CORD
- ② CONTROL - INFINITE
- ③ SWITCH - ON/OFF
- ④ MOTOR
- ⑤ HEATING ELEMENT
- ⑥ LAMP
- ⑦ SWITCH - MOMENTARY NORMALLY CLOSED



2M-Y3147 = Label, Caution-Hot



2A-Y6295 = Pin, Groove / 2C-8881 = Set Screw (10-24 x 3/8)



MODEL 174/175H STAR MANUFACTURING INTERNATIONAL, INC.
120/240V SK1309 ~~6-2-94~~ DR: PB

6/15/10 RB

174 & 175 BROIL-O-DOG

Key Number	Part Number	Number Per Unit	Description
1	2R-Y1307	1	KNOB, CONTROL (17408537, 17573205 & BELOW) Before October 1990
	2R-Y5616	1	KNOB, CONTROL (17408538, 17573206 & ABOVE)
2	2E-Y6797	1	SWITCH, ON/OFF 2E-Y1306 = Old Switch
	2C-9938	1	ADAPTER TERMINAL (17408884, 17573876 & BELOW; NOT SHOWN)
	2F-Y1254	1	PLATE, SWITCH (17408537, 17573205 & BELOW; NOT SHOWN)
3	2E-Y6955	1	TEMPORARY HOLD SWITCH (17408538, 17573206 & ABOVE)
4	2J-6402	1	INFINITE CONTROL (120V)
	2J-6403	1	INFINITE CONTROL (240V)
	A1-Y1287	1	CHANNEL, CONTROL MOUNT (17408537, 17573205 & BELOW; NOT SHOWN)
5,6,7	A1-175113	1	MOTOR ASSEMBLY COMPLETE (120V ONLY) With 2U-9667, Before Oct. 1990 only
5	2U-9667	1	MOTOR (120V) (17408537, 17573205 & BELOW) Before October 1990
	2U-Y6953	1	MOTOR (120V) (17408538, 17573206 & ABOVE) 2.4 RPM, CW
	2U-Y2437	1	MOTOR (240V) (17408537, 17573205 & BELOW) Before October 1990
	2U-Y6954	1	MOTOR (240V) (17408538, 17573206 & ABOVE)
6	A1-Y1294	1	BRACKET, MOTOR
	2I-H6579	4	GROMMET, MOTOR MOUNT (NOT SHOWN)
7	A1-175173	1	COUPLING W/PIN 2A-7541 = Pin
	2A-Y1110	1	ROLL PIN - MOTOR SHAFT (NOT SHOWN)
8	A1-Y1289	1	COVER, MOTOR HOUSING (17408537, 17573205 & BELOW)
	A1-Y6729	1	COVER, MOTOR HOUSING (17408538, 17573206 & ABOVE)
	A1-Y8963	1	COVER, MOTOR HOUSING (17414293, 17581371 & ABOVE)
9	A1-Y5937	1	CASTING - MOTOR SIDE
10	A1-Y5936	1	CASTING - HANGER SIDE
11	2R-Y6763	1	KNOB - HANGER
12	A1-Z0016	1	HANGER (Not as Shown), Wall-Hanger is A1-Z0018 (USED ON SERIAL #17560399 & ABOVE) For Serial # 17560398 & Under, See Below
13	2E-Y4675	1/2	SOCKET - LAMP (15" LEADS) 174/175
14	2S-1279	1/2	LAMP - 15W (120V) 174/175
	2S-Y8321	1/2	LAMP - 15W (240V) 174/175
15	A1-Y1832	1	COVER - SOCKET (OPERATOR'S SIDE)
	A1-Y1833	1	COVER - SOCKET 175
16	2N-Y5313	1	ELEMENT - 1050W (120V) 174
	2N-Y5314	1	ELEMENT - 1050W (240V) 174
	2N-Y1632	1	ELEMENT - 1600W (120V) 9 Ohms 175
	2N-Y2435	1	ELEMENT - 1600W (240V) 36 Ohms 175
17	A1-174034	1	REFLECTOR ASSEMBLY 174
	A1-175001	1	REFLECTOR ASSEMBLY 175
	A1-7490	4	CLAMP - ELEMENT (NOT SHOWN)
12	A1-174032	1	Hanger Assembly (Oldest) / Uses 2R-Z0872 Knob
	A1-174041	1	Hanger Assembly / Uses 2R-Z0872 Knob
	A1-174043	1	Hanger Assembly / Uses 2R-Z0872 Knob

IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED
INCLUDE MODEL AND SERIAL NUMBER

PAGE 1
OF 3

Some items are included for illustrative purposes only and in certain instances may not be available.



Star Manufacturing International, Inc.

SK1312

PARTSLIST

EFFECTIVE 9/22/95 Rev. A
11/20/12 BBE

MODEL 174 & 175 BROIL-O-DOG

Key Number	Part Number	Number Per Unit	Description	
18	2B-174031	1	SPIKE WHEEL ASSY	174
	A1-174036	1	CRADLE WHEEL ASSY	174
			(17408537 & BELOW) Before October 1990	
	A1-174040	1	CRADLE WHEEL ASSY	174
			(17408538 & ABOVE)	
	2B-Y5363	1	SPIKE WHEEL ASSY (17527219 & ABOVE)	17527218 & Below = A1-175111 (OBS-NLA)
	A1-175112	1	CRADLE WHEEL ASSY	175
			(17527218 & BELOW) Before 1983	
	A1-175161	1	CRADLE WHEEL ASSY 5.5 Lbs	175
			(17527219 THRU 17573205)	
19	A1-175203	1	CRADLE WHEEL ASSY 8 Lbs	175
	2B-Z7962		(17573206 & ABOVE) After October 1990	
			ALL WHEELS ASSEMBLIES INCLUDE THE SHAFT	
	2A-Y5311	1	SHAFT - CRADLE WHEEL	174
	2A-Y1276	1	SHAFT - CRADLE WHEEL (13") OBS-NLA	175
	2A-Y3076	1	SHAFT - CRADLE WHEEL (14-1/2")	175
			(17527219 & ABOVE)	
	A1-Y5348	1	TRAY	174
	A1-Y1290	1	TRAY	175
22	2Q-Y5331	1	GLASS - FRONT 11" x 9" x 1/8"	174
	2Q-Y1302	1	GLASS - FRONT 11" x 15" x 1/8"	175
23	2Q-Y1304	4	GLASS - SIDE (17414292 & 17581370 & BELOW)	5-9/16" x 12-3/4" x 1/8"
	2Q-Y9284	2	GLASS - SIDE (17414293 & 17581371 & ABOVE)	13-1/2" x 12-3/4" x 1/8"
24	A1-Y2348	4	RETAINER - GLASS (NOT SHOWN)	
	2C-Y6143	4	Screw, Retainer	
25	2I-H7685	4	FOOT	
26	C3-142023	1	LEAD-IN CORD ASSEMBLY (120V)	
	2K-Y2968	1	BUSHING - CORD (120V) (NOT SHOWN)	
	A1-175122	1	LEAD-IN-CORD ASSEMBLY (240V)	
	2K-Y2967	1	BUSHING - CORD (240V) (NOT SHOWN)	
27	2M-Y5336	2	SIGN "HOT DOGS"	174
	2M-Y1261	2	SIGN "DELICIOUS HOT DOGS"	175
28	A1-Y5346	1	COVER - WATER HEATER (NOT USED WITH BUN WARMER)	174
	A1-Y1288	1	COVER - WATER HEATER (NOT USED WITH BUN WARMER)	175
29	2R-Y1334	3	KNOB - SPACER (NOT SHOWN)	
	2P-Y5152	1	TONGS (NOT SHOWN)	

IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED
 INCLUDE MODEL AND SERIAL NUMBER

PAGE 2
 OF 3

Some items are included for illustrative purposes only and in certain instances may not be available.

SK1312



Star Manufacturing International, Inc.

MODEL 174B & 175B BROIL-O-DOG BUN WARMER

Key Number	Part Number	Number Per Unit	Description
			174B (OLD STYLE) til 12/09/88 175B (OLD STYLE) til 10/31/88 *** <u>OLD STYLE HAS HANDLE ON DOOR</u> ***
28	A1-Y5316	1	WATER PAN 174B
	A1-Y2362	1	WATER PAN OBS-NLA 175B
29	A1-174030	1	BUN RACK ASSEMBLY 174B
	A1-175153	1	BUN RACK ASSEMBLY 14" x 12" x 5" 175B
30	A1-Y5323	1	WRAP 174B
	A1-Y1324	1	WRAP 175B
31	A1-Y1326	2	CASTING OBS-NLA
32	A1-Y5347	1	FALSE ROOF 174B
	A1-Y1323	1	FALSE ROOF 175B
33	A1-174029	1	DOOR ASSEMBLY (HANDLE NOT INCLUDED) 174B
	A1-175152	1	DOOR ASSEMBLY (HANDLE NOT INCLUDED) OBS-NLA 175B
34	2R-4391	1	HANDLE
	2I-Y1328	2	O-RING (NOT SHOWN)
	2C-1646	2	SCREW-HANDLE (NOT SHOWN)
			174B (NEW STYLE) since 12/12/88 175B (NEW STYLE) since 11/01/88 *** <u>NEW STYLE HAS KNOB ON DOOR</u> ***
28	A1-Y6337	1	WATER PAN 174B
	A1-Y6345	1	WATER PAN 175B
29	A1-174030	1	BUN RACK ASSEMBLY 174B
	A1-175153	1	BUN RACK ASSEMBLY 175B
30	A1-174038	1	WRAP ASSEMBLY 174B
	A1-175157	1	WRAP ASSEMBLY 175B
31	A1-Y6147	2	CASTING
32	A1-Y6338	1	FALSE ROOF 174B
	A1-Y6346	1	FALSE ROOF 175B
33	A1-Y6339	1	DOOR (KNOB NOT INCLUDED) 174B
	A1-Y6347	1	DOOR (KNOB NOT INCLUDED) OBS-NLA 175B
34	2R-Z0872	1	KNOB - DOOR
	2C-1493	1	Screw, Knob

IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED
INCLUDE MODEL AND SERIAL NUMBER

PAGE 3
OF 3

Some items are included for illustrative purposes only and in certain instances may not be available.

SK1312



Star Manufacturing International, Inc.

2

1

MATERIAL #22 GA. 430 SERIES
STAINLESS STEEL

FINISH
PP

MODEL NO.
174,175H

PART NO.
A1-Z0016

DR. JS CK. DATE 7-26-95

STAR MFG. INTERNATIONAL, INC.
10 SUNNEN DRIVE ST. LOUIS, MO 63143

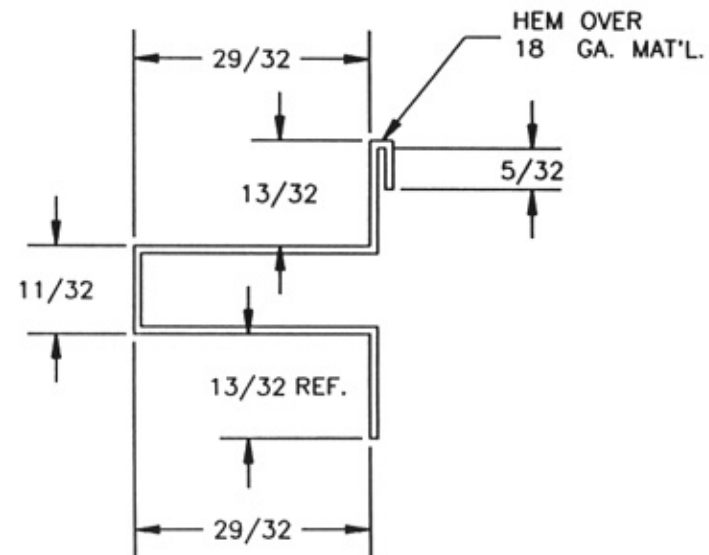
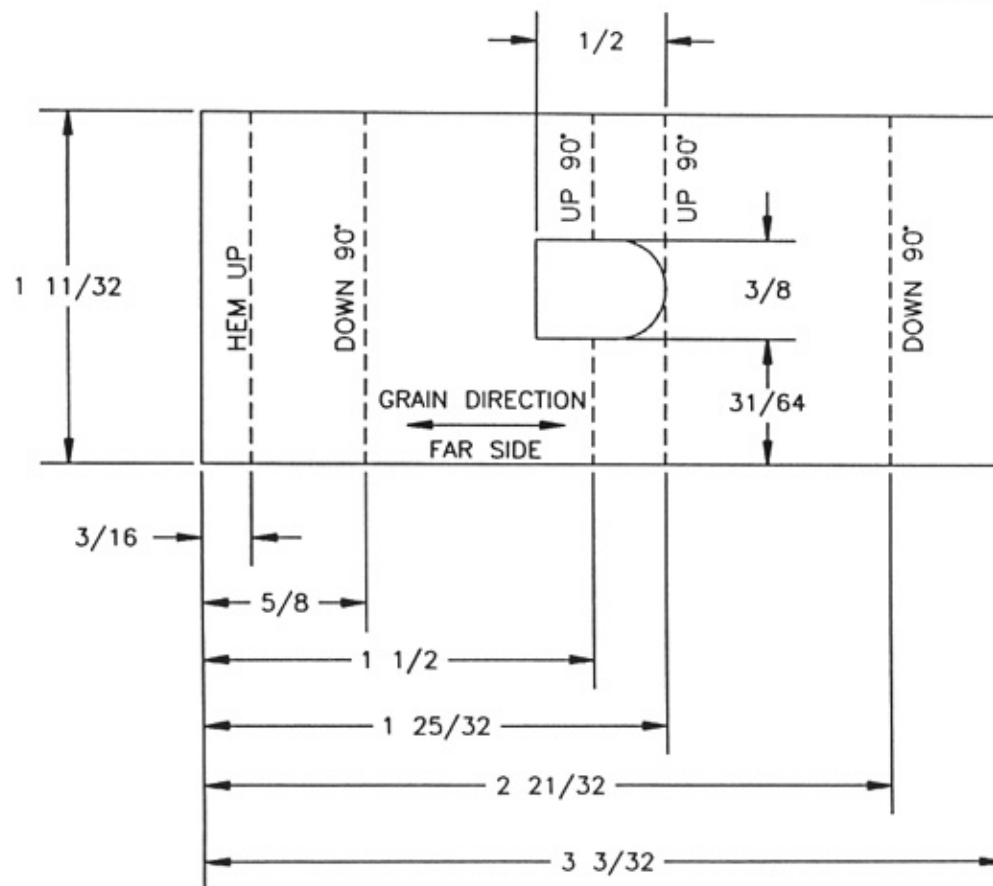
TITLE
HANGER

LIMITS UNLESS OTHERWISE NOTED
FRACTIONS $\pm 1/64$ DECIMALS $\pm .005$

CHANGES	LTR	DATE	CHANGE	DR
—		7-26-95	RELEASED FOR PRODUCTION	JS
A		2-28-96	REVISED THE FOLLOWING DIMS. 1 11/32 WAS 1 3/8; 13/64 WAS 3/16; 1 1/2 WAS 1 33/64; 2 21/32 WAS 2 45/64; 31/64 WAS 7/16; 11/32 WAS 9/32; 13/32 WAS 3/8; 29/32 WAS 7/8; 5/8 WAS 39/64 18 GA. MAT'L. WAS 20 GA. MAT'L.	JS
B		4-1-96	22 GA. MAT'L. WAS 18 GA. MAT'L.	JS

Used on A1-Z0018, Hanger Wall

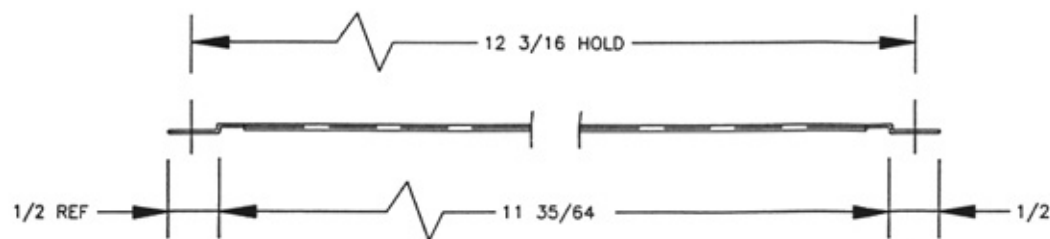
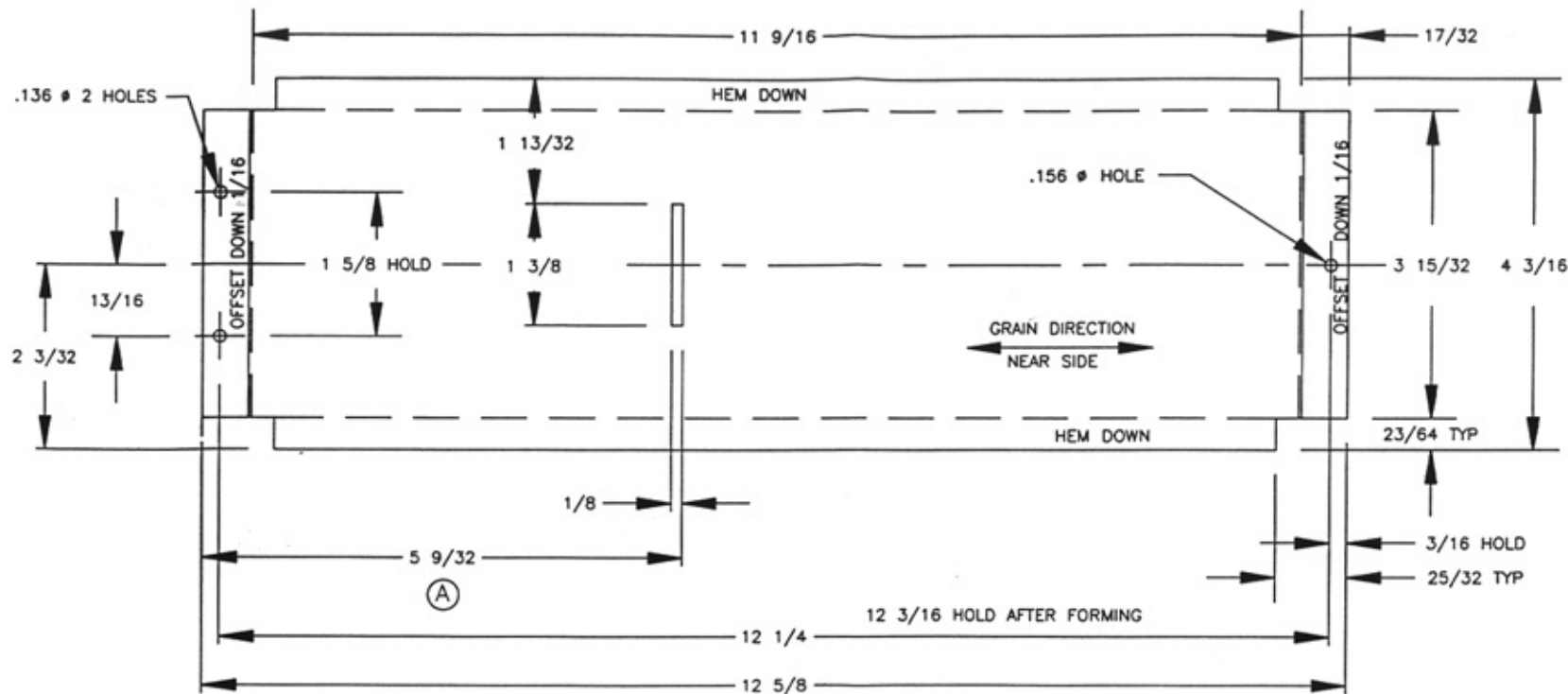
APR 17 1996



FORMED VIEW

BLANK SIZE: $1 - 11/32 \times 3 - 3/32$

1. DEBURR EDGES MARKED WITH A "V"
2. USED ON 174027 & 175200



FORMED VIEW

BLANK SIZE: 12-5/8" X 4-3/16"

JUN 17 1996

Uses A1-Z0016, Hanger

MATERIAL		FINISH		MODEL NO.		PART NO.	
#22 GA. 430 STAINLESS STEEL		PP		174.175H		A1-Z0018	
DR. JS	CK	DATE		TITLE		WALL- HANGER	
LIMITS UNLESS OTHERWISE NOTED		STAR MFG. INTERNATIONAL, INC.		CHANGES		LTR	
FRACTIONS ± 1/64		10 SUMNER DRIVE ST. LOUIS, MO. 63143		DATE		CHANGE	
DECIMALS ± .005						DR	

2

1

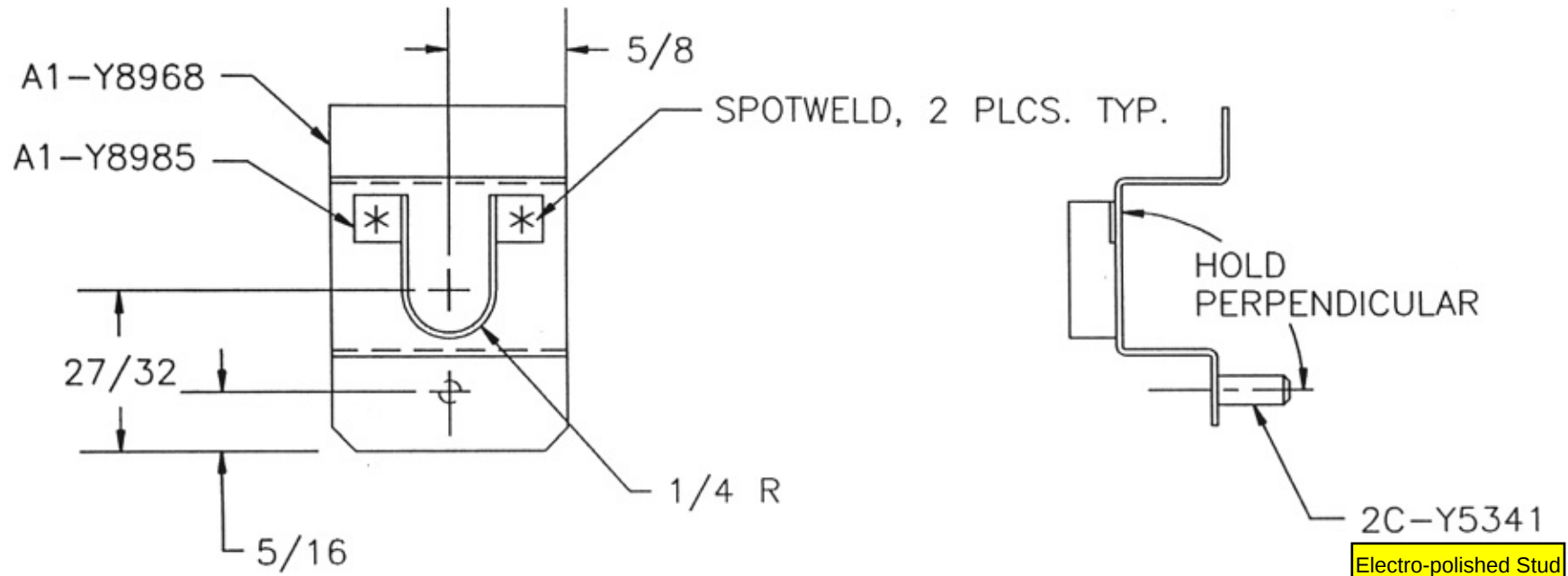
MATERIAL			FINISH ELECTROPOLISH		MODEL NO. 174,175H		PART NO. A1-174041	
DR. J.B.	CK.	DATE 12-17-93	STAR MFG. INTERNATIONAL, INC. 9325 OLIVE BOULEVARD ST. LOUIS, MO 63132		TITLE HANGER ASSEMBLY			
LIMITS UNLESS OTHERWISE NOTED FRACTIONS ± 1/64 DECIMALS ± .005								
			CHANGES		LTR	DATE	CHANGE	DR

Used on A1-Y8965 Wall Hanger

-	6/6/94	RELEASED FOR PRODUCTION	JB
A	8-26-94	MATERIAL AND FINISH UPDATED; WAS 2B	PB

PRODUCTION PRINT

SEP 0 0 1994



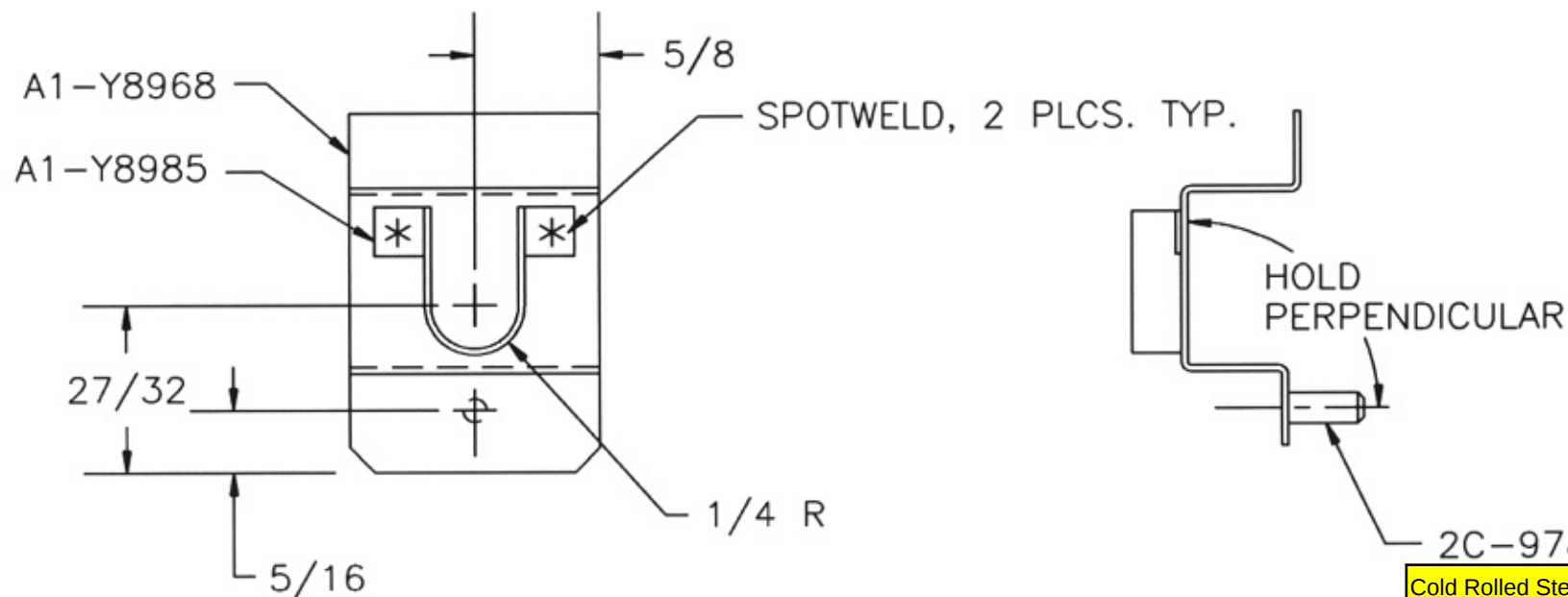
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1

MATERIAL			FINISH A		MODEL NO. 174,175H		PART NO. A1-174043	
DR. J.B.	CK.	DATE 4-7-95	STAR MFG. INTERNATIONAL, INC. 9325 OLIVE BOULEVARD ST. LOUIS, MO 63132		TITLE HANGER ASSEMBLY			
LIMITS UNLESS OTHERWISE NOTED FRACTIONS ± 1/64 DECIMALS ± .005					CHANGES		LTR	DATE

Used on A1-Y8965, Hanger Wall

-	4-7-95	RELEASED FOR PRODUCTION	JB
A	4-21-95	DELETED ELECTROPOLISH REQUIREMENT	JB



2

1

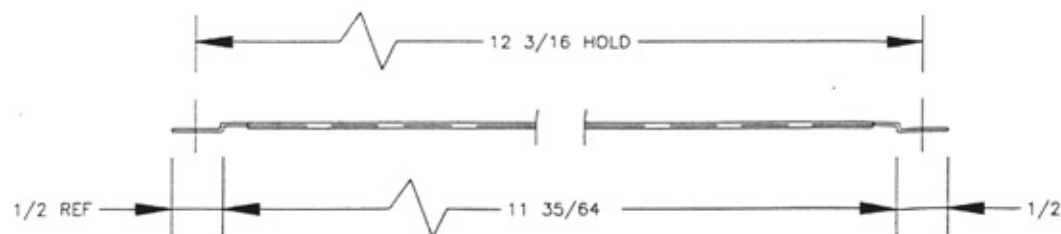
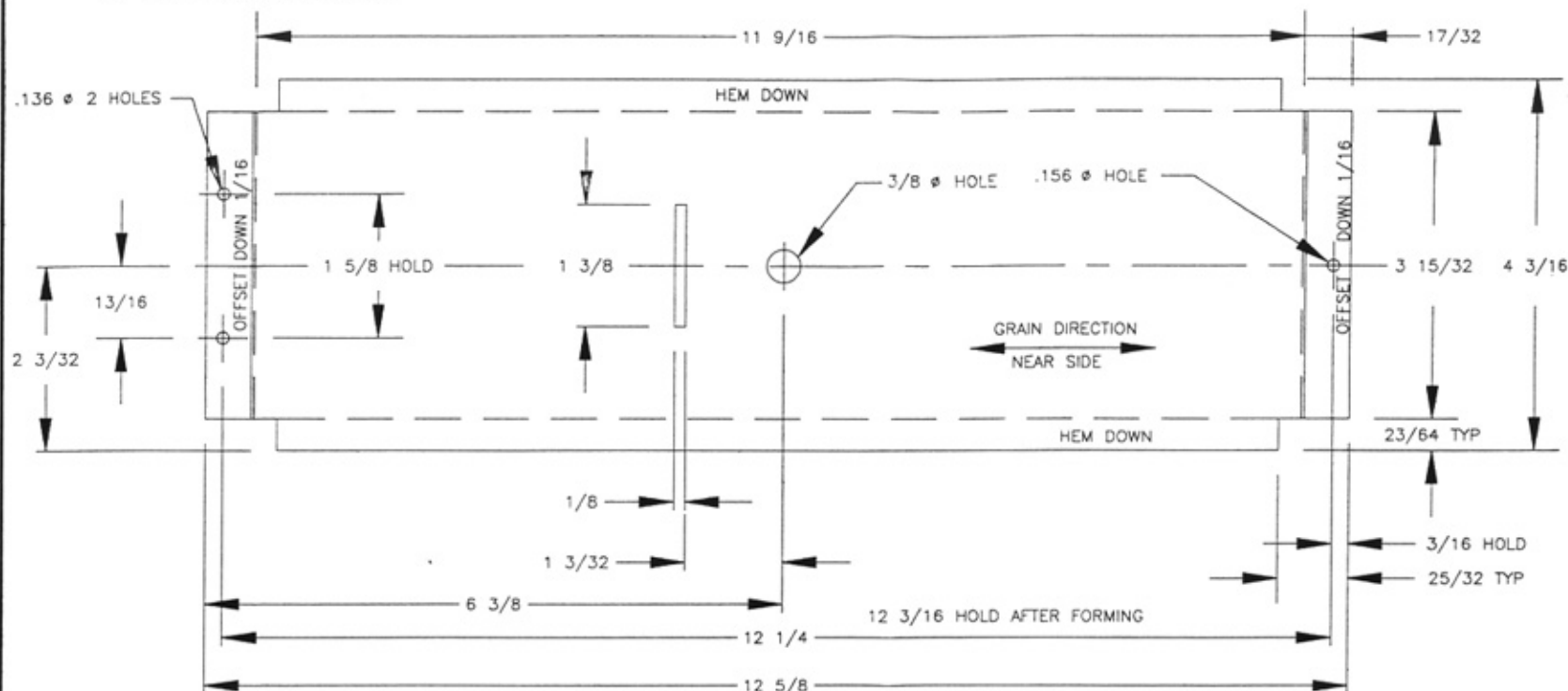
MATERIAL
#22 GA. 430 STAINLESS STEEL
DR. J.B. CK. DATE
LIMITS UNLESS OTHERWISE NOTED
FRACTIONS $\pm 1/64$ DECIMALS $\pm .005$

FINISH
PP
STAR MFG. INTERNATIONAL, INC.
9325 OLIVE BOULEVARD ST. LOUIS, MO 63132

MODEL NO. 174,175H
PART NO. A1-Y8965
TITLE WALL-HANGER
CHANGES
DATE CHANGE
RELEASED FOR PRODUCTION
DR

NOTES:

1. DEBURR EDGES MARKED WITH A "V"
2. USED ON 174027 & 175200

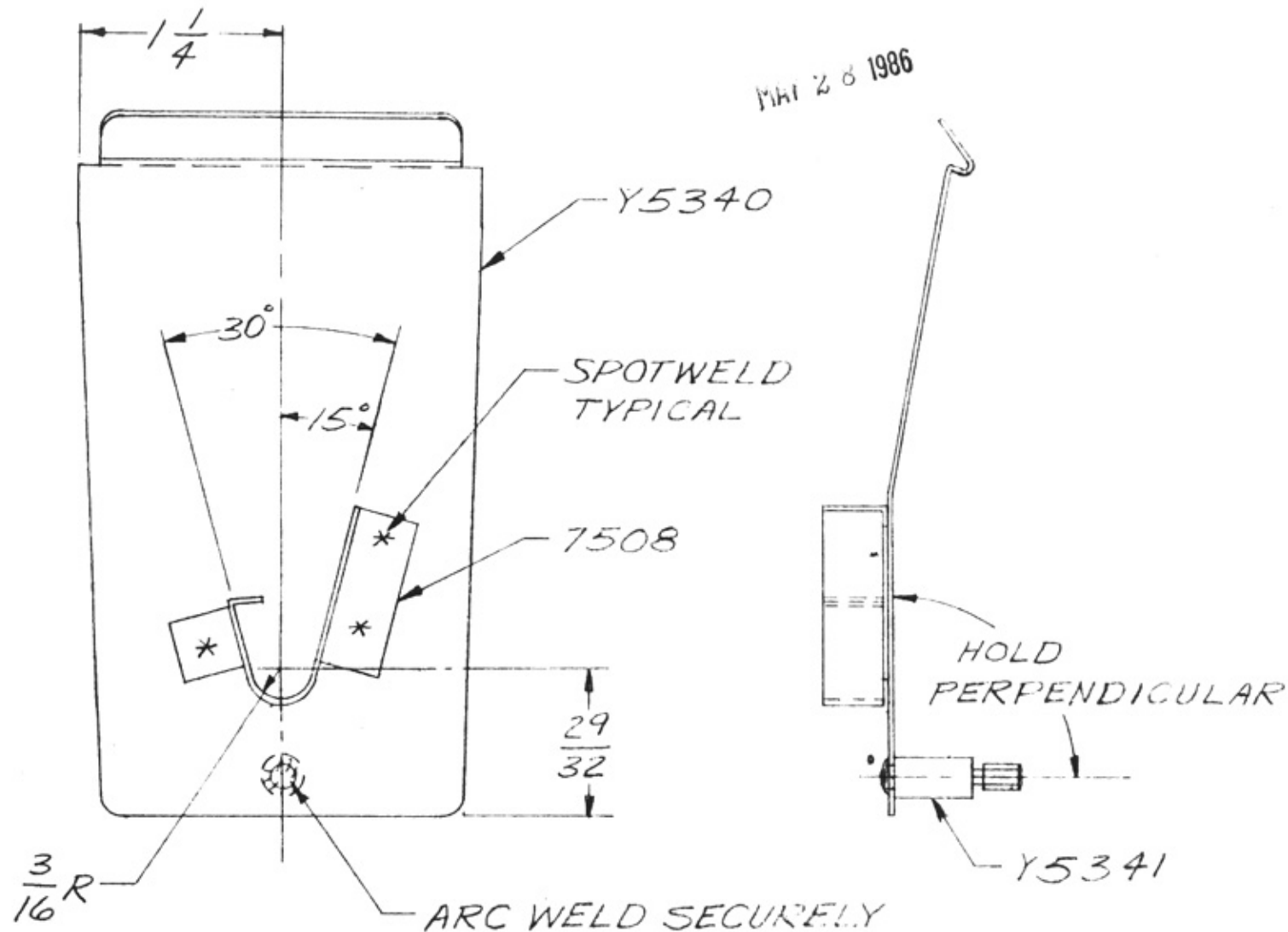


FORMED VIEW

BLANK SIZE: 12-5/8" X 4-3/16"

Uses A1-174041 or A1-174043, Hanger Assembly

MATERIAL			FINISH ELECTRO POLISH		MODEL NO. 174		PART NO. A1-174032			
DR. 129	CK.	DATE 5-16-86	STAR MANUFACTURING CO. DIVISION OF PEABODY INTERNATIONAL CORPORATION 9328 OLIVE BOULEVARD ST. LOUIS MO. 63132			TITLE HANGER ASSEMBLY				
LIMITS UNLESS OTHERWISE NOTED FRACTIONS $\pm 1/64$ DECIMALS $\pm .005$						CHANGES	LTR	DATE	CHANGE	DR



USED ON 174027





