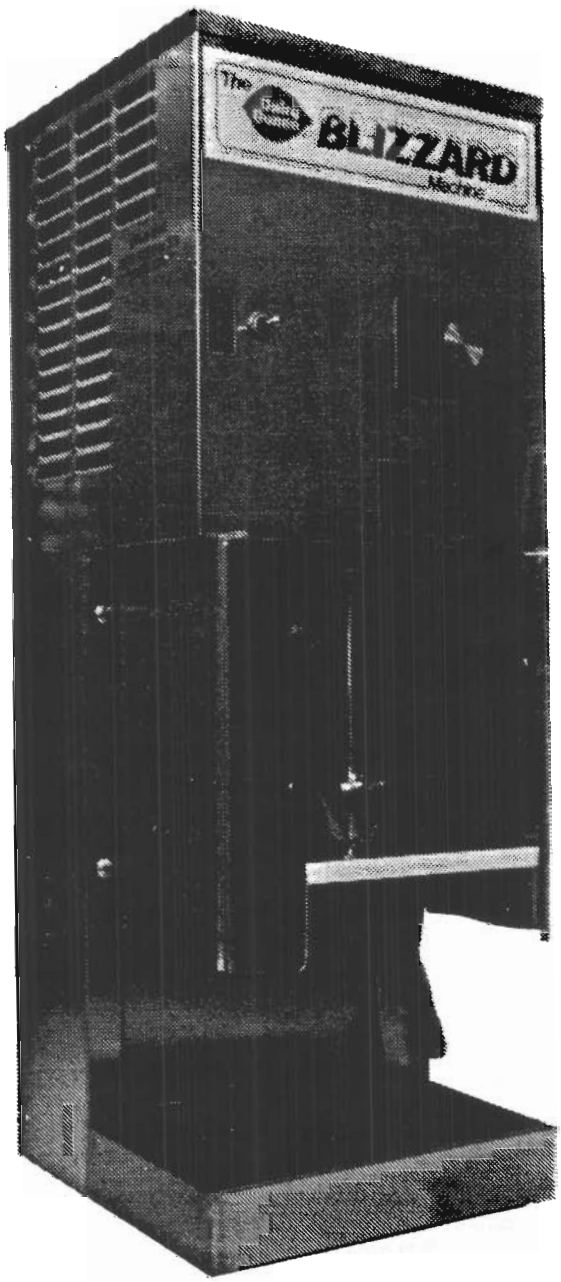
The Dairy Queen® BLIZZARD® Machine



NEW STYLE
HEAVY DUTY
3/4 HP
MODEL BM2

INSTRUCTIONS
Installation—Operation—Maintenance

1/92

"QUICK REFERENCE"
PERIODIC MAINTENANCE SCHEDULE

International Dairy Queen (IDQ) recommends the following schedule to help maintain your equipment in like-new operating condition, as well as to help protect your investment. ALWAYS UNPLUG THE MACHINE BEFORE SERVICING OR CLEANING IT. A more detailed explanation of the following procedures is found on subsequent pages of this manual.

> **WARNING** - **HOT SURFACES** - TO AVOID BURNS **DO NOT TOUCH** THE CABINET TOP, REAR AND SIDE SURFACES DURING OR JUST AFTER OPERATION. PLACE THE UNIT IN A WELL-VENTILATED LOCATION

TABLE OF CONTENTS

WARNING!

The "Blizzard" machine model BM2 is a precisely built heavy-duty 3/4 hp. production mixer. To ensure satisfactory serve, we suggest that these instructions be read and understood before putting the machine into operation.

FOR PARTS, SERVICE ASSISTANCE, AND WARRANTY CLAIMS ON THE MACHINE, (UNLESS OTHERWISE INSTRUCTED), CALL OR WRITE IDQ'S MACHINE SERVICE DEPARTMENT:

International Dairy Queen, Inc.
P.O. Box 35286
Minneapolis, Minnesota 55437
612/830-0224

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EQ801

INSTALLATION

Application

The "Blizzard" Machine BM2 is a heavy duty, 3/4 hp. variable speed mixer designed to blend properly prepared "Dairy Queen" soft serve with a variety of approved flavor ingredients.

Inspection

Inspect the "Blizzard" Machine shipping crate and its contents for shipping damage. Also inspect the internal components of the machine for damage.

Damage must be noted on the carrier's freight bill; then call the local agent of the freight carrier and request an immediate inspection by their claims inspector. Keep the shipping carton until inspection of the machine is made.

Handling

The carton must not be shaken, laid on its side, turned over, dropped or moved by "walking" the corners of the carton.

Uncrating

Open the top of the carton. Pull out the cardboard inserts and lift the machine out through the top of the carton.

Limited Warranty

International Dairy Queen warrants to buyer that the "Blizzard" Machine will be free from defects in material and workmanship at time of purchase. IDQ's obligation shall be limited to repair or replace, at its option, any part or parts which may prove defective within the warranty period. Warranty period is one year unless otherwise specified. Freight for return of defective part is to be paid by buyer; freight for replacement is to be paid by IDQ. The warranties to repair or replace are the only warranties made by IDQ with respect to the "Blizzard" machine sold. No Implied Warranty of Merchantability or Fitness for Purpose shall apply specifically, but without limiting the foregoing, IDQ shall not be liable for any consequential damages.

Exclusions

IDQ shall not be liable for any repairs or replacement made without consent of the Equipment Division, or when the equipment is installed, operated or maintained in a manner contrary to instructions of IDQ and/or manufacturer.

Specifications

120 Volt, 60 Hz Model (Domestic)

Model: BM2
Voltage: 120
Frequency: 60 Hz
Phase: 1
Drive Motor: 3/4 hp
RPM: 10,000 (maximum)
Amperage: 8.6
Shipping Weight: 40 lbs.

220 Volt, 50 Hz Model (Overseas)

Model: BM2
Voltage: 220
Frequency: 50 Hz
Phase: 1
Drive Motor: 3/4 hp
RPM: 10,000 (maximum)
Amperage: 4.3
Shipping weight: 40 lbs.

Electric Supply

The "Blizzard" machine motor will operate only on 120 volt, 60 Hz single-phase alternating current with ground. Make sure the electrical supply is 120 volt alternating current (AC) and that the voltage is within 10 percent of that specified. Your utility company can check the voltage, if requested. The "Blizzard" machine motor will not operate on direct (DC) or on current of 50 Hz frequency. NOTE: The "overseas" model operates only on 220 volt, 50 Hz power.

Location of the "Blizzard" Machine

The base of the machine is provided with four rubber feet. The machine should be mounted on a solid surface such as a topping cabinet, dip stand table, or counter top. It should be located as close as possible to the ingredients being used to make the finished "Blizzard" product. The cord should be installed so it is out of the way.

NOTE: Be sure to completely read and understand this manual before operating this mixer.

SAFETY

This safety alert symbol identifies important personal safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury. Do not attempt to continue until the safety precautions are read and thoroughly understood.

OPERATION

NOTE: The "Blizzard mixer is only to be used for the blending of soft serve ice cream, or similar products, with liquid flavorings or precrushed solid ingredients. It is not to be used for grinding or crushing of the solid ingredients themselves. The temperature of the ice cream product should be 18° to 20°F. It is designed to blend 30 to 35 16 oz. servings an hour with an average of 40 to 45 seconds blending time.

Pre-Operation

Before use, the spindle shaft and machine parts should be washed, rinsed, sanitized and air dried. The external surfaces of the machine, including the splash shields and machine front, should be wiped clean and then wiped with a sanitizing solution. (Follow procedures under section "Cleaning and Sanitizing.")

Operation

CAUTION: TO PREVENT PERSONAL INJURY TO YOURSELF, KEEP HANDS AND LOOSE-FITTING CLOTHING AWAY FROM THE MACHINE'S MOVING PARTS.

To operate, set the desired speed for the product to be prepared and move the toggle switch for either ("on") or ("continuous run") operation as required. The normal position for mixing is 70 percent full on. Mark the desired setting for the product for repeated use (refer to "control panel" on page 9 of this section).

CLEANING AND SANITIZING INSTRUCTIONS

CLEANING AND SANITIZING

The spindle shaft, agitator (exposed turning portion) and splash guards must be washed, rinsed, sanitized, air dried, and prepared for use at the end of each day of operation.

The person using the machine should also have thoroughly washed hands and refrain from coughing and sneezing on parts or allowing them to come in contact with objects which have not been sanitized.

Clean and sanitize at a lower speed setting than is used for "Blizzard" machine operation to prevent water or sanitizing solution from splashing out of the cup.

Cleaning--Daily

Fill a paper "Blizzard" cup or stainless shake cup 3/4 full with a solution of warm soapy water (temperature of 100°F) and hold it under the spindle. To clean, operate the spindle at a setting of 20-30 on the speed dial. Stop the spindle operation and use a small brush to reach any areas around the agitator which did not come clean. Rinse with clean water. **NOTE**: DO NOT allow water to get above the collar on the top portion of the "Blizzard" machine shaft.

Sanitizing--Daily

In a clean container, prepare one quart (1 liter) of sanitizing solution. Solution should be Stera-Sheen or an equivalent with 100 ppm chlorine and be mixed according to manufacturer's instructions. If you have questions about the advisability of using a specific sanitizing solution, contact International Dairy Queen's Equipment Service department.

Fill a paper "Blizzard" cup or stainless shake cup 3/4 full and hold it under the spindle to sanitize. Operate the spindle in this solution at a setting of between 20-30 on the speed dial. This operation should be performed for at least one minute to allow the sanitizer to neutralize and kill contaminants on the shaft and agitator. **NOTE**: The entire mixing shaft should be washed with sanitizer, but DO NOT allow the sanitizer to get above the collar on the top portion of the "Blizzard" machine shaft.

IDQ recommends that the external surfaces of the machine, including the shields, be wiped to remove splashes or spills. An evening cleaning of these surfaces should be followed by wiping them with the above-specified sanitizing solution; then allow them to air dry.

PERIODIC MAINTENANCE

For a schedule of maintenance procedures, see "Quick Reference" list on inside of front cover of this manual.

TAKE ALL SAFETY PRECAUTIONS when performing maintenance work to protect against injury or death. DISCONNECT POWER CORD except for the short period of time required to check proper operation. Do not leave shield or safety panels off when maintenance is completed or interrupted.

LUBRICATION, INSPECTION AND MAINTENANCE

CAUTION: FOR THE FOLLOWING STEPS, POWER TO THE MACHINE SHOULD BE OFF FOR SAFETY. REMOVE POWER CORD AND PLUG FROM THE WALL OUTLET.

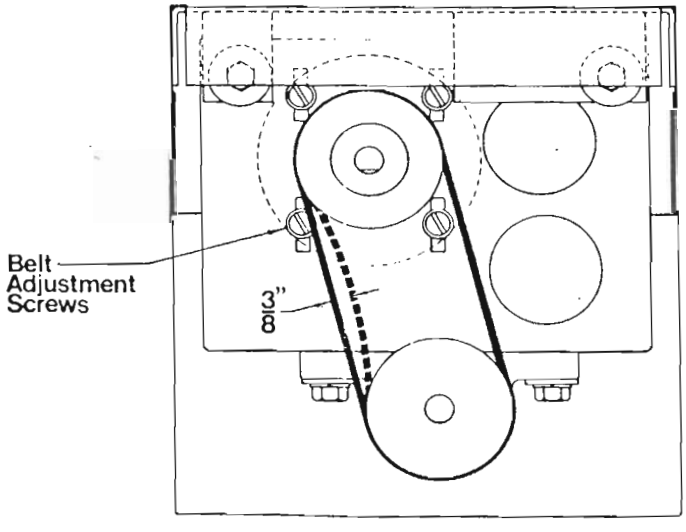
Bearing Lubrication

The motor bearings are lubricated and sealed at the factory. They do not require further lubrication.

Pulley Alignment and Belt Tension

Check belt tension and condition four times a year.

Depress the belt with one finger at the mid-point between the pulleys. When adjusted properly, the belts should depress 3/8" with approximately five (5) pounds of pressure. Adjust to the proper tension by resetting the four adjustment bolts holding the motor housing in place. Loosen the screws equally to avoid misalignment. DO NOT OVERTIGHTEN THE BELT. Misalignment of the pulleys causes excessive belt wear and wear on both the spindle shaft and drive motor bearings. This can be checked by using a straight edge across the face of the pulleys. Make the necessary adjustments if out of alignment.



TOP VIEW

PERIODIC MAINTENANCE SCHEDULE

In order to maintain the continued safety and performance built into this unit, it is important to follow the installation and maintenance instructions outlined in this manual. ALWAYS UNPLUG THE MACHINE BEFORE SERVICING OR CLEANING IT.

WARNING - HOT SURFACES - TO AVOID BURNS DO NOT TOUCH THE CABINET TOP, REAR AND SIDE SURFACES DURING OR JUST AFTER OPERATION. PLACE THE UNIT IN A WELL-VENTILATED LOCATION.

Daily

Wash, rinse, sanitize and air dry all parts of the machine that come in contact with mix or product.

Weekly

Carefully inspect all parts for wear*, replacement or adjustment.

Monthly

UNPLUG THE MACHINE. Remove the top panel and inspect for belt wear and tension, splattered mix, and any unusual conditions. With the top panel off, plug in the machine and start carefully. Listen for unusual rhythms, squeaks, overtones or sounds which are not common to normal operations. Smell for unusual odors such as spoiled mix, hot motor or electrical arcing.

Quarterly

Inspect drive motor brushes for wear and replacement. Inspect drive belts and adjust or replace.

*CAUTION

USE ONLY PAPER OR PLASTIC MIXING CONTAINERS.

The use of a metallic mixing container or malt collar may cause rapid deterioration of the mixing shaft assembly causing it to break unexpectedly. Breakage of the mixing shaft could allow metal pieces to be deposited in the frozen dessert and/or cause personal injury to the mixer operator. Carefully inspect the mixing shaft for signs of wear weekly. The following

illustration explains which areas should be examined. If the mixing shaft has any signs of wear, it should be taken out of service until a replacement part can be installed.

The mixer is only to be used for the blending of ice cream, or similar products, with liquid flavorings or precrushed solid ingredients. It is <u>not</u> to used for grinding or crushing of the solid ingredients themselves.

Examine Point A (Illustration-2) - Surfaces should be polished, not galled or worn as shown in Illustration-2. The edge of the cup should be shaped as shown at F, Illustration-1, not flattened or worn down as indicated at Point A. A worn or flattened surface indicates wear.

Examine Point B (Illustration-2) - The edge should be polished, not galled or worn. Any sharp edges or burrs indicate wear.

Examine Point C (Illustration-2) - The screw head should be oval shaped as shown at E, Illlustration-1, not flattened or worn down as indicated at Point C. A worn screw head indicates wear.

Examine Point D (Illustration-2) - Inspect the solder joint for signs of cracking. The cup should be tight on the shaft, not loose. A cracked joint or loose cup indicates wear.

ILLUSTRATION - 1
<u>NORMAL</u>

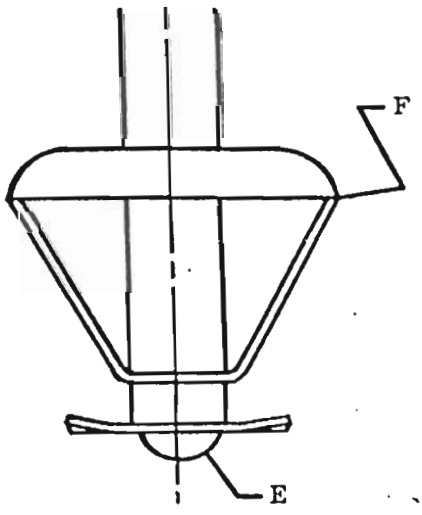
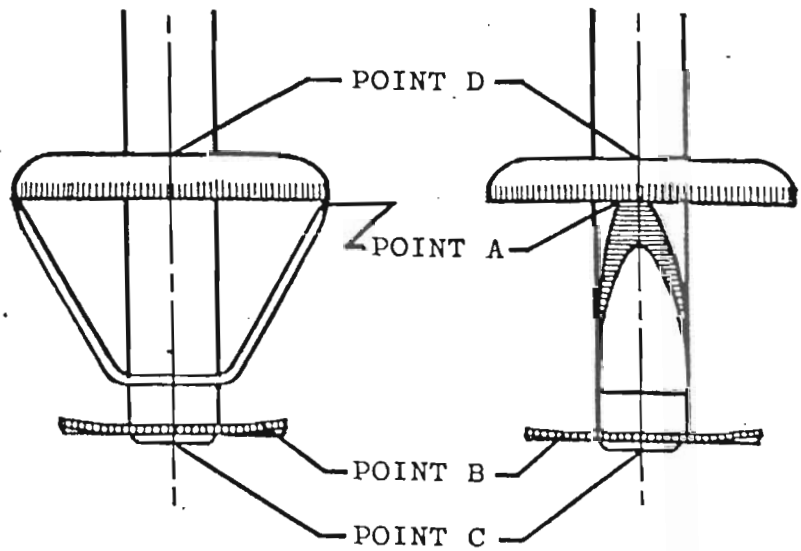


ILLUSTRATION - 2
<u>WEAR PATTERNS</u>



PARTS REPLACEMENT

NOTE: If any parts are replaced during the warranty period, it will be necessary to return the defective part to the supplier for possible credit.

Spindle Shaft Replacement

⚠ 1. DISCONNECT POWER CORD.

2. Remove the four screws holding top cover.

3. Remove the four screws holding the lower slot cover. Remove cover.

4. Remove the four screws holding the splash shields.

5. Remove the four screws holding the motor cover assembly in place. Tilt the motor cover forward to get access to the wiring. Remove two sheet metal screws holding speed control cover and remove cover. Remove speed control guard. Disconnect the toggle switch and potentiometer wires at speed control board and label location. Remove front cover.

6. Loosen the four screws holding the drive motor in place and remove the belt.

*7. Loosen the two set screws on the driven pulley and remove pulley.

*8. Loosen the two set screws around the shafts on each of the collars for the upper and lower bearings. The shaft can now be dropped down through the lower part of the cabinet. After the shaft is out of the top bearing tilt the shaft to clear the base and remove it from the lower bearing.

9. Slide the new shaft up through the lower bearing and the upper bearing and install the pulley.

10. Reverse the above steps to reassemble. Make sure there is proper belt tension of 3/8" (see page 5). Ensure toggle switch and potentiometer wires loop away from moving parts when reinstalling motor cover assembly.

Top Bearing Replacement

⚠ 1. Repeat steps 1 through 8 above "Spindle Shaft Replacement."

*2. Drop the shaft far enough to clear the top bearing.

*The drive and driven pulleys are assembled to their respective shafts using "Loctite" Type 35 adhesive. "Loctite" adhesive is also used in the assembly of the spindle shaft to the upper and lower bearings. It may be necessary to apply heat to loosen the "Loctite" adhesive bond.

CAUTION: Protect the bearings from heat, excessive heat will destroy the bearings!

IMPORTANT: You MUST re-apply "Loctite": as required when you reassemble these parts.

Bottom Bearing Replacement

1. Repeat steps 1 through 8 above for "Spindle Shaft Replacement."
2. Replace the bearing, 2 bolts and washers.
3. Reverse the above steps to reassemble.

Belt Replacement

1. Repeat steps 1 through 6 above for "Spindle Shaft Replacement."
2. Replace with new belt.
3. Slide motor to the rear for proper belt tension of 3/8". (See Page 5.)
4. Reverse the above steps to reassemble.

Motor Brush Replacement

1. Repeat steps 1 through 5 above for "Spindle Shaft Replacement." (See Page 6.)
2. Remove th caps holding the brushes with a screwdriver. Replace the brushes and end caps.
3. Reverse the above steps to reassemble.

Motor Replacement

1. Repeat steps 1 through 6 above for "Spindle Shaft Replacement." (See Page 6.)
2. Loosen the 2 set screws holding the motor pulley in place. Remove the pulley and set aside.
3. Mark each wire and terminal leading to the motor with color coded masking tape or something similar. Note the terminal locations and disconnect each wire. (A+ and A-)
4. Remove the 4 mounting screws and washers holding the old motor. Remove the old motor and set aside.
5. Install the new motor with the 4 mounting screws and washers.

6. Connect the wires to the motor, noting the correct color code and terminal locations and reassemble.

7. Reverse the above steps to reassemble.

Speed Control Replacement (Electronic Circuit Board Mounted Right Rear of the Cabinet Wall)

⚠

1. Repeat steps 1 through 5 above for "Spindle Shaft Replacement." (See Page 6.)

2. Holding the new control next to the old one, REMOVE ONE WIRE AT A TIME from the old control and connect to the new control.

3. Remove the 3 screws holding the old control to the rear wall of the cabinet and remove the old control.

4. Put the new control in place and secure with the 3 screws.

5. Reverse the above steps to reassemble. NOTE: It may be necessary to calibrate the new speed control to get the proper speed at the various speed dial settings. For instructions, call the IDQ Equipment Service Department.

Potentiometer Replacement (Speed Dial Unit)

⚠

1. Repeat steps 1 through 5 above for "Spindle Shaft Replacement." (See Page 6.)

2. Holding the new control next to the old one, REMOVE ONE WIRE AT A TIME from the old control and connect to the new control.

3. Remove the 2 set screws and nut holding the old knob and control to the front of the cabinet and remove the old control.

4. Put the new control and knob in place and secure with the nut and 2 set screws.

5. Reverse the above steps to reassemble.

Three-Position Switch Replacement

⚠

1. Repeat steps 1 through 5 above for "Spindle Shaft Replacement." (See Page 6.)

2. Holding the new switch next to the old one, REMOVE ONE WIRE AT A TIME from the old switch and connect to the new switch.

3. Remove the nut on the front part of the cabinet holding the switch shaft and remove the old switch.

4. Put the new switch in place and secure with the shaft nut.

5. Reverse the above steps to reassemble.

2/1/87
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Selector Switch

This three-position switch has a center "off" position with top and bottom power positions.

A. "Continous Run" is the top position. Power is provided to the drive motor continually and the spindle shaft will spin. DO NOT ALLOW MIXER TO OPERATE AT HIGH SPEED UNDER NO LOAD, OR AT LOW SPEED UNDER LOAD.

B. "Off" is the center position. Power is provided to the switch only. The drive motor will not run. If any work is to be done within the cabinet, THE POWER CORD SHOULD BE DISCONNECTED FROM THE WALL OUTLET.

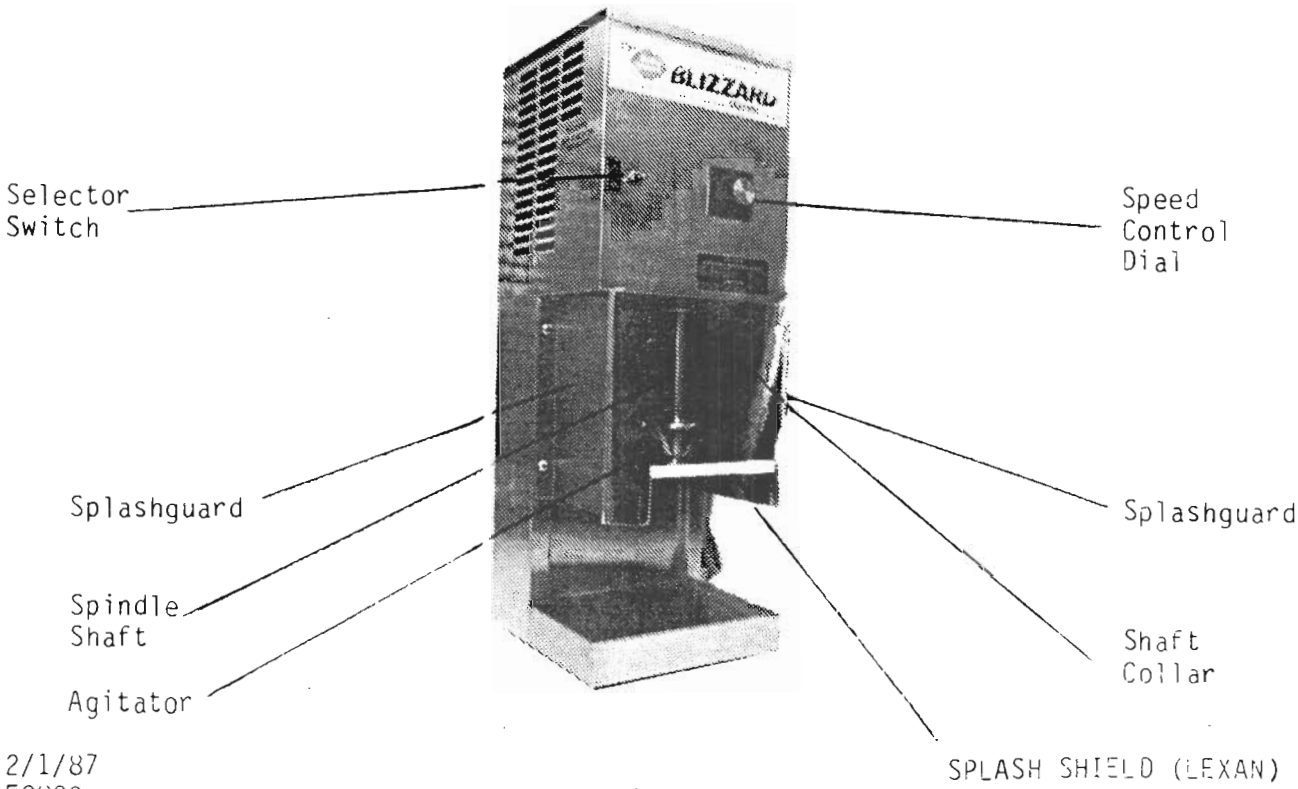
C. "On" is the bottom position. Power is supplied to the drive motor and the spindle shaft will spin as long as the switch is held in this position. This is a spring-loaded position. It must be held down with the thumb for continuous operation. "On" is the machine's normal operating position.

Speed Control

This control adjusts the speed of the drive motor and spindle shaft. The machine is normally operated at a specific setting for the desired product. A lower speed is normally used when washing or rinsing the shaft with water. The lower speed helps to prevent the water from splashing out of the cup.

NOTE: The speed control dials on earlier models are numbered "0 - 10". The dials on later models are numbered "0 - 100".

As a reference point for spindle shaft speed: When the control dial is at zero (0), the spindle shaft should be turning slowly.



TROUBLESHOOTING GUIDE FOR "BLIZZARD" MACHINE

Symptom	Probable Cause	Corrective Action
Mixer won't operate.	1. Machine not plugged in.	1. Plug in.
	2. Wall circuit breaker off.	2. Turn on.
	3. Selector switch off.	3. Turn on.
	4. Speed control potentiometer defective.	4. Replace.
	5. Speed control defective.	5. Replace.
	6. Drive belt loose or broken.	6. Adjust or replace.
	7. Drive motor brushes worn.	7. Replace brushes.
	8. Drive motor defective	8. Replace motor.
	9. Selector switch defective.	9. Replace.
	10. Loose or broken wire.	10. Tighten or repair.
	11. Spindle shaft bearings binding.	11. Replace.
	12. Foot switch defective	12. Replace
Spindle shaft speeds are erratic.	1. Speed control defective.	1. Replace.
	2. Drive belt worn or loose.	2. Adjust or replace.
	3. Drive motor brushes worn.	3. Replace brushes.
	4. Drive motor defective.	4. Replace motor.
	5. Loose pulleys.	5. Tighten set screws.
	6. Spindle shaft bearings binding.	6. Replace.
	7. Speed control potentiometer defective.	7. Replace.
Mixing time too long.	1. Speed set too low.	1. Turn up speed.
	2. Product too cold.	2. Check soft serve for 18°F temperature.
	3. Overrun too low.	3. Check soft serve overrun for 40%.
	4. Drive belt worn or loose.	4. Adjust or replace.
Unit operates only in "ON" or "CONTINUOUS RUN" position, but not both.	1. Selector switch defective.	1. Replace.
Unit runs continuously in "OFF" position.	1. Selector switch defective.	1. Replace.
	2. Foot switch defective	2. Replace.
Drive motor operates but spindle shaft does not turn.	1. Loose or broken drive belt.	1. Adjust or replace.

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TROUBLESHOOTING GUIDE FOR "BLIZZARD" MACHINE (CON'T.)

Symptom	Probable Cause	Corrective Action
Rubber-like odor coming from the cabinet.	1. Drive belt worn or loose.	1. Adjust or replace.
	2. Soft serve product too cold. (Extra strain on drive belt.)	2. Check soft serve for 18°F. temperature.
	3. Overrun too low. (Extra strain on drive belt.)	3. Check soft serve overrun for 40%.
Note: Because motor runs hot, some odor is expected during first few days of operation.		
Machine making loud noises.	1. Loose panels or sheet metal parts.	1. Locate and tighten screws.
	2. Pulleys rubbing against top cover.	2. Make adjustment.
	3. Spindle shaft hitting lower cover plate or cabinet parts.	3. Locate and clear.
	4. Motor bearings binding or worn.	4. Replace motor.
	5. Spindle shaft bearings binding or worn.	5. Replace.
	6. Spindle shaft bent or out of alignment.	6. Replace.
	7. Drive belt worn or loose.	7. Adjust or replace.
	8. Set screws on pulleys or bearings loose.	8. Tighten or replace set screws.
Machine runs at same speed with any speed setting.	1. Speed control defective.	1. Replace.
	2. Potentiometer (speed dial) defective.	2. Replace.
Drive motor will not start, hums intermittently (cycling on overload).	1. Defective motor.	1. Replace.
	2. Low line voltage.	2. Ask power company to increase voltage to not less than 10% below nameplate rating or install transformer. Check for inadequate wire size.
	3. Drive belt too tight.	3. Adjust.
	4. Speed control set too low.	4. Set to proper level.

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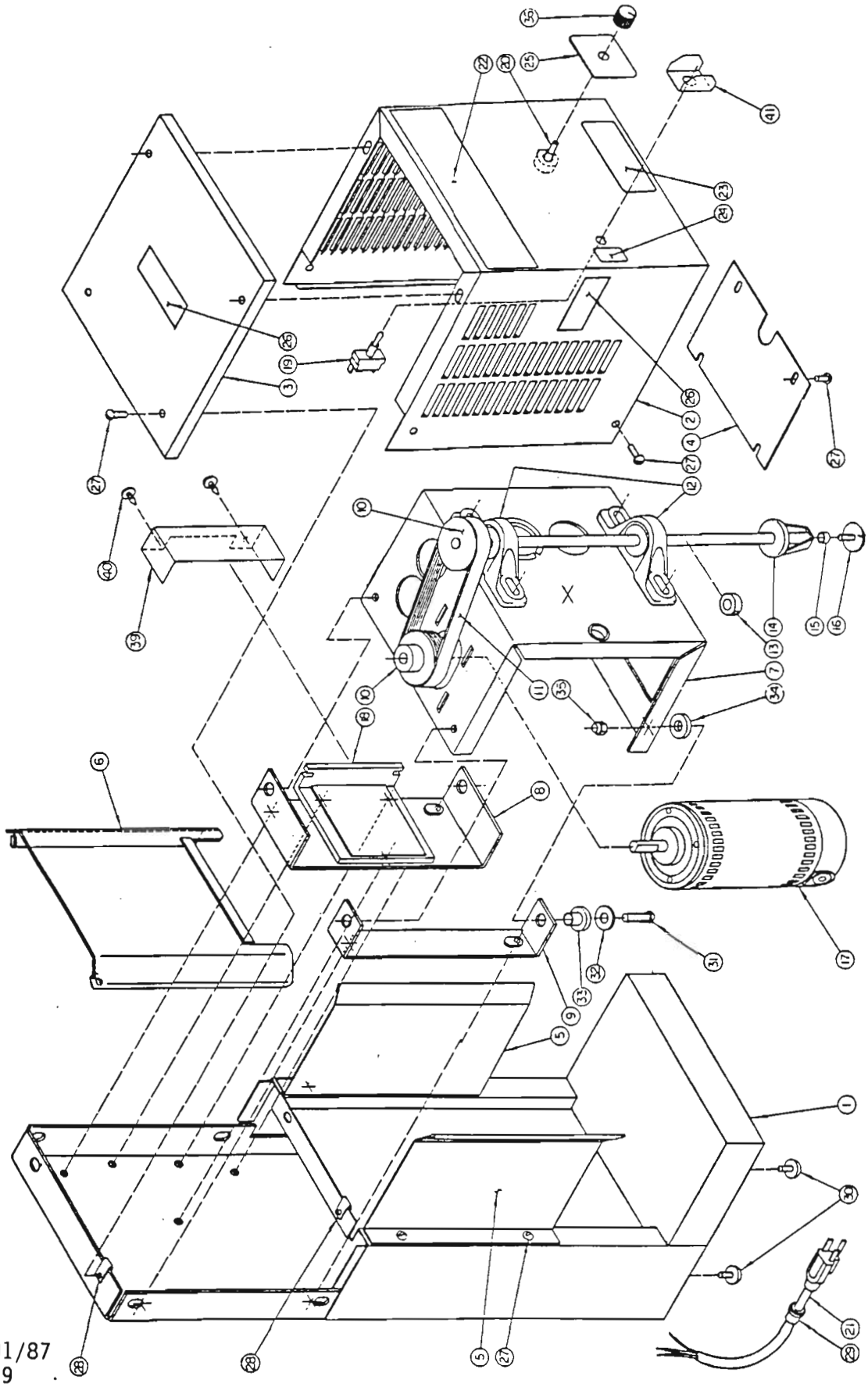
MACHINE ASSEMBLY



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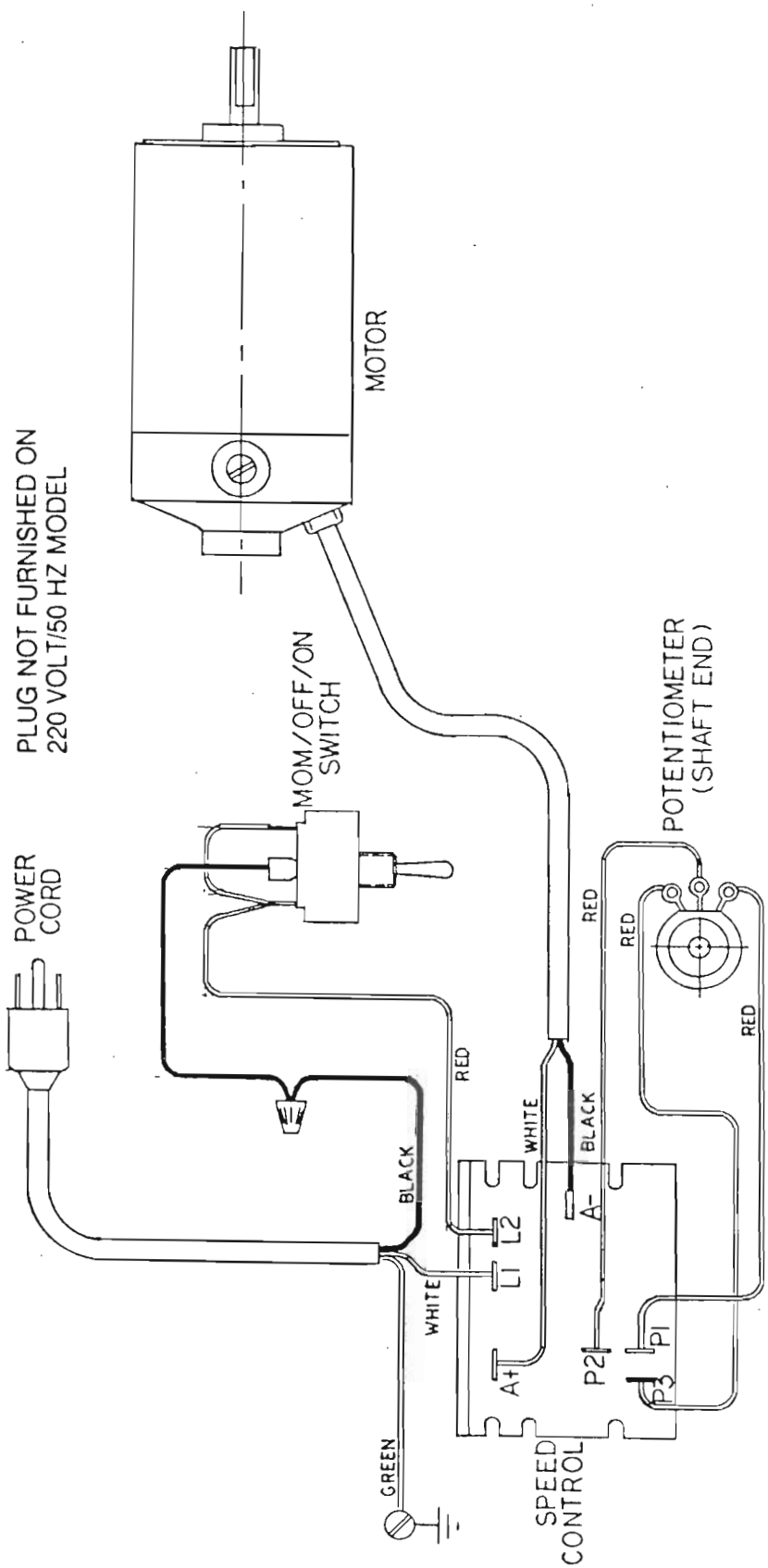
Revised 04/12/91

PARTS LIST

Reference #	Part #	Description
1	114670	Assembly--Blender Base
2	114669	Assembly--Motor Cover
3	114671	Assembly--Top Cover
4	136809	Cover--Slot
5	136860	Guard--Splash
6		Guard--Plastic Splash (Lexan) (furnished by IDQ)
7	114665	Assembly--Motor and Bearing Frame
8	114687	Assembly--Motor Frame Leg R.H.
9	114666	Assembly--Motor Frame Leg L.H.
10	137109	Sheave--6 Poly-J 2 5/8"
11	153129	Belt--Poly-J 18" 6 Groove
12	153019	Bearing--Pillow Block 1/2"
13	159363	Collar--Slinger
14	114662	Assembly--Spindle Shaft
15	136808	Spacer--Mixer Shaft
16	114612	Assembly--Spinner Disk
17	151093	Motor--3/4 hp (120 volt/60 Hz)
18	150799	Control--Motor Speed (120 volt/60 Hz)
19	150429	Switch--Toggle Continuous "Run/Off/On" SPDT
20	114982	Potentiometer 5 K OHM (120 volt/60 Hz)
21	150583	Cord--w/Plug #18GA 6 ft. long (120 volt/60 Hz style only)
22	BMD1	Decal--"Blizzard" Machine (furnished by IDQ)
23	165011	Decal--Blender Caution
24	165010	Decal--Toggle Switch
25	165179	Plate--0-100 Dial
26	BMD4	Decal--"Caution--Hot Surfaces" (furnished by IDQ)
27	160076	Screw--TRHM #10--24 x 1/2 SST
28	159132	Nut--#10--24 Speed
29	150782	Bushing--Strain Relief
30	199031	Bumper--Rubber
31	160009	Screw--Hex Head 5/16--18 x 1 ZN
32	160132	Washer--3/8 Flat ZN
33	162562	Spacer--Rubber
34	199012	Washer--Rubber
35	159220	Nut--5/16--18 El Stop ZN
36	162605	Knob--Dial
38	FTSW1	Foot Switch with Guard--Optional
39	137897	Cover--Speed Control
40	160437	Screw--#10 x 1/2 Sheet Metal
41	137896	Guard--Switch
42	165131	Decal--Front Guard Warning
43	165036	Decal--BM2 Model Number
44	165005	Decal--Caution--Only Paper/Plastic Containers
45	158026	Brush--1" diameter x 12" long--not shown
46	13802	Splash Guard--Clear Lexan

WIRING DIAGRAM



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SUGGESTED SPARE PARTS INVENTORY

Part No.	Description	Qty. Recommended for each machine
153129	Drive Belt	1
150429	Toggle Switch	1
	Motor brushes (set of 2)	1
153019	Bearings (Spindle shaft)	2

2/1/87
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"BLIZZARD" MACHINE DECALS

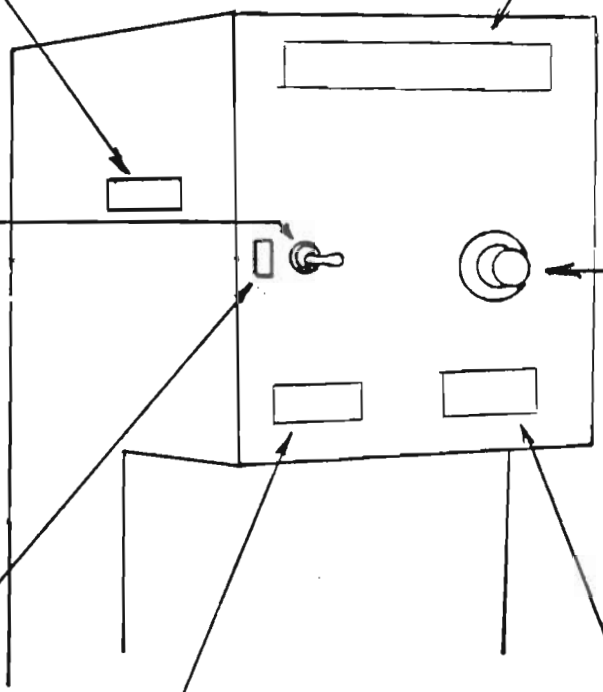
BMD 4

WARNING
HOT SURFACES
TO AVOID BURNS, DO NOT TOUCH DURING OR JUST AFTER OPERATION

The Dairy Queen BLIZZARD Machine

BMD 1

Typical-Both sides, top



Selector Switch

Speed Control Dial

165010

ON
OFF
JOG

165011

CAUTION
ROTATING BLENDING SHAFT
KEEP FINGERS, HAIR, AND LOOSE CLOTHING AWAY FROM MOVING SHAFT. SEE OPERATOR'S MANUAL BEFORE USING.
CAUTION
CONTINUED OPERATION AT LOW SPEED MAY CAUSE EARLY FAILURE.

CAUTION
USE ONLY PAPER OR PLASTIC MIXING CONTAINERS
DO NOT USE METAL CONTAINERS

165005

WARNING
HAZARDOUS MOVING PARTS.
KEEP FINGERS ON CUP AND AWAY FROM MOVING SHAFT.
DO NOT OPERATE WITH FRONT GUARD REMOVED.

165131

SPLASH GUARD
(LOWER FRONT-CENTER)

2/1/87
EQ816
REVISED 1/92

PARTS LIST

1 hp BLIZZARD BM2

Serial Numbers FV-1-5006 to GV-1-5182

Note: Use parts list for 3/4 hp blizzard with the following exception:

Part #	Description
151100	Motor - 1 hp
150878	Brushes - 1 hp and 3/4 hp
137749	Pulley - Motor
160056	Screw - Set - Pulley
115939	Speed Control w/ Potentiometer