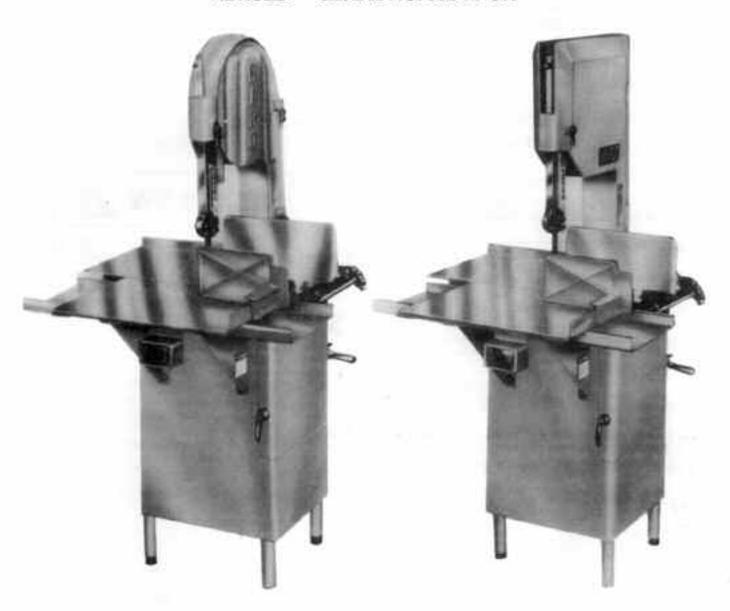


### MODEL 22 POWER MEAT CUTTER OPERATING AND SERVICE MANUAL

REVISED - SERIAL NO. 35301 ON



#### IMPORTANT NOTICE

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This Manual contains important safety instructions which must be strictly followed when using this equipment.

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#### NOTICE TO OWNERS AND OPERATORS

BIRO's products are designed to process food products safely and efficiently. Unless the operator is properly trained and supervised, however, there is the possibility of a serious injury. It is the responsibility of the owner to assure that this machine is used properly and safely, strictly following the instructions contained in this Manual and any requirements of local law.

No one should use or service this machine without proper training and supervision. All operators should be thoroughly familiar with the procedures contained in this Manual. Even so BIRO cannot anticipate every circumstance or environment in which its products will be used. You, the owner and operator, must remain alert to the hazards posed by the function of this equipment – particularly the SHARP MOVING BAND TYPE SAW BLADE. No one under eighteen (18) years of age should operate this equipment. If you are uncertain about a particular task, ask your supervisor.

This Manual contains a number of safe practices in the SAFETY TIP section. Additional warnings are placed throughout the Manual. Warnings related to your personal safety are indicated by:



OR



Warnings related to possible damage are indicated by:



BIRO also has provided a wall chart to be posted near the equipment. If any warning label, wall chart, or Manual becomes misplaced, damaged, or illegible, please contact your nearest Distributor or BIRO directly for a replacement.

Remember, however, this Manual or the warning labels do not replace the need to be alert and to use your common sense when using this equipment.

This Manual applies to machines with serial number 35301 and higher, except where noted.

#### — NOTE —

"A copy of this manual is included with each Model 22 Saw."

"The descriptions and illustrations contained in this manual are not binding. The manufacturer reserves the right to introduce any modifications without updating the manual."

#### SAFETY TIPS





#### SHARP MOVING BAND TYPE SAW BLADE

#### TO AVOID SERIOUS PERSONAL INJURY

NEVER Touch This Machine Without Training and Authorization By Your Supervisor.

ALWAYS Read Operation and Service Manual BEFORE Operating, Cleaning or Servicing.

ALWAYS Keep Hands Clear of Band Type Saw Blade and Other Moving Parts.

ONLY Use a Qualified Electrician to Install According to Local Building Codes: Machine MUST Be Properly Grounded.

ONLY Install on Level, Non-Skid Surface in a Clean, Well-Lighted Work Area Away From Children and Visitors.

DO NOT Attempt to Operate This Machine Until it has Been Inspected and Demonstrated by the Seller – Recognized BIRO Representative.

DO NOT Alter or Modify This Machine in any Way From its Original Form. This Machine in its Original Form Meets the Intent of O.S.H.A. Applicable Standards.

NEVER Operate With Saw Guide Bar with Saw Guard in the Raised Position or the Saw Guard Removed from the Saw Guide Bar.

ALWAYS Adjust Saw Guide Bar with Saw Guard to Within 1/2 of Product to be Cut.

ALWAYS Use Safety End Cut Pusher Plate for Smaller Products or The Last Cuts of Product.

DO NOT Use This Machine for Non-Food Products.

DO NOT Use This Machine to Cut Pigs Feet.

DO NOT Wear Gloves While Operating.

ALWAYS Turn Off, Unplug From Power Source and Perform Lockout/Tagout Procedure to This Machine BEFORE Removing Shrouds, Removable Guards, Covers, Doors, Fences or Panels for Cleaning, Servicing or Any Other Reason.

NEVER Leave Machine Unattended While Operating.

PROMPTLY REPLACE Any Worn or Illegible Warning Labels.

USE ONLY BIRO Parts and Accessories Properly Installed.

#### INSTALLATION



# TO AVOID SERIOUS PERSONAL INJURY PROPERLY INSTALL EQUIPMENT IN ADEQUATE WORK AREA

ALWAYS Use Qualified Technician and Electrician for Installation.

ALWAYS Install Equipment in Work area with adequate Light and Space.

ONLY Operate on a Solid, Level, Non-Skid Surface.

NEVER Operate With the Saw Guide Bar with Saw Guard in the Raised Position or the Saw Guard Removed from the Saw Guide Bar.

ALWAYS Adjust Saw Guide Bar With Saw Guard to Within 1/2" of Product to be Cut.

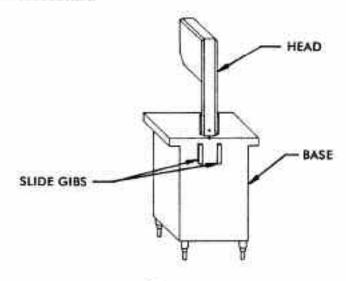
NEVER Operate Without all Warning Labels Attached and Wall Chart Posted.

- Read this Manual thoroughly before installation and operation. Do not proceed with installation and operation if you have any questions or do not understand anything in this Manual. Contact your local Distributor, or BIRO first.
- 2. Install machine on a level, solid, non-skid surface in a well-lighted work area away from children and visitors.



#### ALWAYS LEVEL MACHINE BEFORE USING

- After installing machine in operational area, it is imperative that the four adjusting leg bolts be adjusted to level the machine and also to eliminate rocking.
- 4. To assemble meat gauge plate (Part No. A14275) to the machine; Loosen the lock knob (Part No. 272-10) on the right side meat gauge bracket. Remove the meat gauge gear rack (Part No. S12272-3) and insert into the meat gauge plate. Re-install the gear rack by first inserting the rectangle end in to the left hand meat gauge bracket, then swing the right hollow round end of the gear rack into the original lock position. (Ipon aligning the gear rack with the cap screw (Part No. 272-11), tighten the lock knob clockwise, fastening the locking cap screw into the hollow end of the gear rack, CHECKING for a secure assembly. Keep gear rack well oiled with food grade oil to ensure free movement.
- The head structure (Part No. 12005A) comes detached from the base. Slip the head into the slide gibs (Part No. 260) located on the back of the base structure. Make sure the slide gibs are oiled or greased to ensure free vertical movement of the head structure.



Place removable finger lift with saw guard assembly (Part No. A211MS-AL or A211MS-SS) on the saw guide bar (Part No. 116-18) and fasten in place with the finger lift fastener knob (Part No. 211Q).



#### SHARP SAW BLADE. HANDLE WITH EXTREME CAUTION.

- 7. Placing blade on cutter: Hang upper wheel assembly (Part No. A12003U335-6) on the hinge bracket (Part No. 71-1). Lift the nylon filler (Part No. 177). Hang blade on the upper wheel and hold with right hand. With left hand force the back of the blade between the front blade cleaners (Part No. 131), located below the nylon filler. Lower the nylon filler and insert the back of the blade in the upper saw guide (Part No. 602B). The blade has already dropped over the lower wheel. With right hand force the back of the blade between the rear blade cleaners (Part No. 131). The blade is now ready to be tightened. Press down on the ratchet arm (Part No. 10-1) located at the rear of the base structure. Turn the upper wheel slowly by hand to ensure proper tracking of the saw blade on the wheels. Tighten to proper tension. When the tension gauge (Part No. 197), located at the bottom rear of the head becomes tight laterally the blade is at proper tension.
- The side platter bracket (Part no. \$12214B) is packed loose in the machine and must be installed on the left side of the base structure with the supplied hardware and checked for proper adjustment. Stationary platter must be flat.
- The stationary platter (Part No. A12163-2) is placed on top of the base structure and held in place by two push-pull hold down rods (Part No. 12212W), located at the rear of the base.
- The sliding meat carriage assembly (Part No. A12155) is installed by turning the movable stop assembly (Part No. A200) clockwise. After the carriage assembly is in the channel for operation, turn the movable stop counterclockwise to lock.
- Post SAFETY TIPS wall chart within easy view of operator. Keep Manual available to operator.
- 12. Machine MUST be properly grounded. Use qualified electrician to install according to building codes.

#### WIRING MOTOR

- Interchange of current is made in motor outlet box. Leads are properly marked. Changing instructions are on motor plate or motor outlet box.
- (2) All cutters are wired 220 volts unless otherwise specified. Be sure motor specifications (voltage, cycle, phase) match power supply line. Be sure line voltage is up to specification.
- (3) Connect leads to machine in a manner that will be approved by local electrical inspectors.
- (4) We recommend not less than No. 12 wire. If leads are too light, machine may not have sufficient cutting power and/or speed.
- (5) The V-belt is packed loose in machine to prevent deformation, and must be installed on pulleys at time of wiring motor.
- (6) The BIRO Manufacturing Company is not responsible for permanent wiring, connection or installations.



NOTE TO OWNER AND ELECTRICIAN: IF THIS MACHINE IS NOT CORD AND PLUG CONNECTED TO THE ELECTRICAL SUPPLY SOURCE, THEN IT SHOULD BE EQUIPPED WITH, OR CONNECTED TO, A LOCKABLE, MANUALLY OPERATED DISCONNECT SWITCH (OSHA 1010.147).



KEEP HANDS CLEAR OF SHARP MOVING BAND TYPE SAW BLADE

- 13. Make sure saw guide bar with saw guard is in its lowest position. Close head and base doors.
- 14. Push start button and check for proper phasing of motor. Blade should be traveling down through saw guide,
- Watch for proper tracking of blade. Back of blade should be centered in hole in saw guide in stationary bar (Part No. 119A). Push stop button to stop machine.
- Check Placement of all warning labels, wall chart and Manual. Machine is ready for trained operators to process product.
- Contact your local Distributor or BIRO directly if you have any questions or problems with the installation or operation of this machine.

#### WARNING LABELS AND WALL CHART FOR BIRO POWER CUTTERS

SEE PAGE 27 FOR LOCATIONS ON MACHINE





DO NOT Use Unless Trained and Authorized By Supervisor And Over 18 Years Old.

Read Operation Manual Thoroughly Before Operating.

ALWAYS Keep Hands Clear of Saw Blade and Other Moving Parts. Turn Off Saw when Finished Cutting. ALWAYS Keep Blade Guard Adjusted

to 1/2\* Above the Product being Cut.
ALWAYS Use End Cut Pusher Plate
When Cutting Smaller Place of
Product.

DO NOT Use Saw if it is Altered, Damaged, Improperly Maintained, or if Warnings Are Illegible or Missing. ALWAYS Disconnect and Unplug from Main Power Source and Perform LOCKOUT/TAGOUT Before Cleaning or Servicing.

#653PC-E





NO Opere Esta Sierra Sin Haber Sido Entrenado Para Ello Ni Tampoco Sin Autorización de un Supervisor. Uno Tiene que Haber Cumplido 18 Anos Para Operaria.

LEA Cuidadosemente el Manual de Operacion Antes de Usar Esta Ecuipo.

SIEMPRE Guarde les Manos a Salvo de la Hoja de Serrar y de Otras Partes Moviles. Cirre el interruptor Despues de Terminar de Cortar.

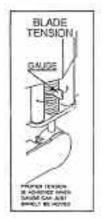
SIEMPRE Tenga Adjustado el Guardanierra Para que Quede a 1/2" Por Enclina del Producto que se Corte.

SIEMPRE Hega Uso de la Piace de Empuje Para Cortes de Extremos al Cortar Trocitos Pequenos. NO Utilice le Sierra si se Halla Alterada, Danadao si No ha Sido Debidamente Mantanido o si la Advertancia es Alegible o si Falta Esta.

SIEMPRE Desconnecte el Equippo Decenchitandolo de la Fuente de Fuerza. Dejelo Bajo Llawe o con Eliqueta que Prohiba su Uso Antas de Limptanto o Hacer Trabajos de Mantenimento.

#853PC-SP

Item No. 653PC-E



Item No. 653PC-SP



Item No. 708

Item No. 710

#### OPERATION



#### SHARP MOVING BAND TYPE SAW BLADE

#### TO AVOID SERIOUS PERSONAL INJURY

ONLY Properly Trained Personnel Should Use This Equipment.

ALWAYS Keep Hands Clear of Band Type Saw Blade and Other Moving Parts.

NEVER Operate With Saw Guide Bar with Saw Guard in the Raised Position or the Saw Guard Removed from the Saw Guide Bar.

ALWAYS Adjust Saw Guide Bar with Saw Guard to Within 1/2" of Product to be Cut.

ALWAYS Use Safety End Cut Pusher Plate for Smaller Products or the Last Cuts of Product.

DO NOT Wear Gloves While Operating Machine.

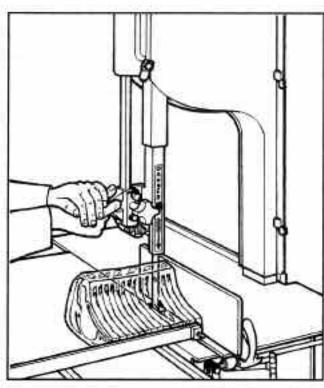
ALWAYS Turn Off, Unplug From Power Source and Perform Lockout/Tagout Procedure to This Machine Before Unjamming, Unclogging, Cleaning or Servicing.

**NEVER** Leave Unattended While Operating.

NEVER Operate Without All Warnings Attached and Wall Chart Posted.

#### A. TO PROCESS PRODUCT

 Before starting power cutter, adjust saw guide bar with saw guard down to within ½\* (13mm) of product to be cut.





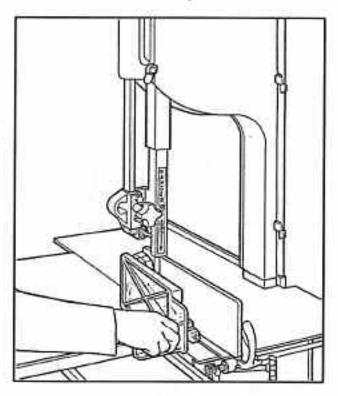
#### DO NOT WEAR GLOVES WHILE OPERATING

- 2. Make sure all doors are closed and locked.
- 3. Adjust meat gauge plate forward to desired thickness of cut.
- Push start button and watch blade for proper tracking.
- 5. Standing in front of the power cutter, place product on the meat carriage. Pay attention to position of your hands. Keep hands clear of moving band type saw blade. Leaning lightly against the scalloped front edge of meat carriage, hold the product firmly in right hand with product face flush against meat gauge plate. Move the meat carriage from right to left at a steady rate until fully past the saw blade. Use left hand to remove and stack cut product, NEVER REACH IN FRONT OF BAND TYPE SAW BLADE. On the return stroke, pull the product toward you, away from saw blade.



## NEVER REACH OR GRAB FOR PRODUCT IN FRONT OF MOVING BAND TYPE SAW BLADE

ALWAYS use the Safety End Cut Pusher Plate (Part No. 256P) for smaller products or the last cuts of product. The pusher plate is supplied as standard on all BIRO power cutters.



When finished cutting, push stop button. Perform lockout/tagout procedure.

#### CLEANING



#### SHARP MOVING BAND TYPE SAW BLADE

#### TO AVOID SERIOUS PERSONAL INJURY

ALWAYS Turn Off, Unplug From Power Source and Perform Lockout/Tagout Procedure to This Machine BEFORE Cleaning or Servicing.

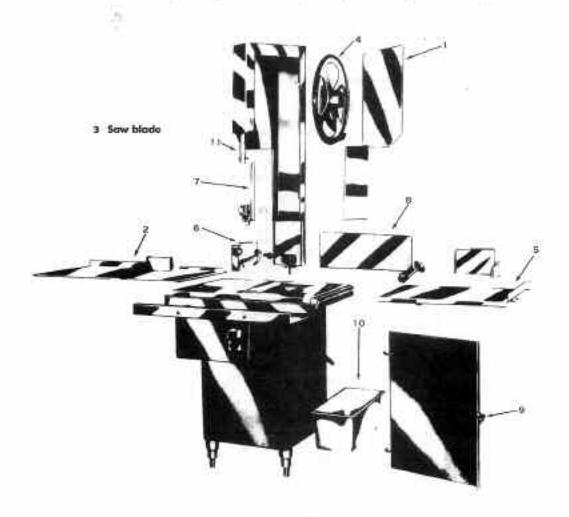
ONLY Use Recommended Cleaning Equipment, Materials and Procedures.

NEVER Spray Water or Other Liquid Substances Directly at Motor, Power Switch or any Other Electrical Components.

ALWAYS Thoroughly Clean Equipment at Least Daily.

#### CLEANING THE BIRO POWER CUTTER:

Disconnect electrical power to the machine before cleaning. Parts to be removed have been made accessible and can be removed without tools. Notice in the drawing below that all parts are numbered. Each part should be removed for cleaning in the numbered sequence shown. To ensure cleaner cuts, keep the cleaning system in good condition. Parts on the cleaning system which should be checked weekly, and changed as required are as follows: Wheel Cleaners (Part No. 179), Saw Gleaners (Part No. 131), Saw Guide in Stationary Bar (Part No. 119A), Upper Saw Guide (Part No. 602B), Lower Blade Back-Up Guide (Part No. S608) and Nylon Piller (Part No. 177).



#### MAINTENANCE



#### SHARP MOVING BAND TYPE SAW BLADE

#### TO AVOID SERIOUS PERSONAL INJURY

ALWAYS Turn Off, Unplug From Power Source and Perform Lockout/Tagout Procedure to This Machine BEFORE Servicing.

NEVER Touch This Machine Without Training and Authorization By Your Supervisor.

ALWAYS Keep Hands Clear of Band Type Saw Blade and Other Moving Parts.

NEVER Bypass, Alter, or Modify This Equipment in Any Way From Its Original Condition.

PROMPTLY REPLACE Any Worn or Illegible Labels.

USE ONLY GENUINE BIRO Parts and accessories Properly Installed.

#### A. GENERAL

- Machine should be generally inspected every time it is cleaned (at least daily) to ensure that it is in good condition and has not been damaged or tampered with.
  - SAW WHEELS: Clean outer diameter grooves daily. Check for cracks, gouges or wear on flange and grooves.



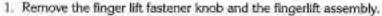
#### DO NOT IMMERSE UPPER WHEEL ASSEMBLY IN WATER

- WHEEL CLEANER ASSEMBLIES: Check condition of fiber cleaner, change every four (4) weeks.
   Check condition of tension spring, replace as needed.
- c. REMOVABLE FINGER LIFT ASSEMBLY: Check condition of saw guard, make sure mounting bolts are tight and DANGER EXPOSED BLADE decal is attached and legible. Check condition of upper saw guide (Part No. 602B), replace every six (6) months. Check adjustment of upper saw guide. Should be \(\frac{1}{2}\)2" between back of blade and saw guide carbide.

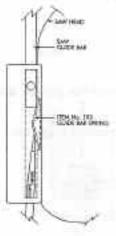


## NEVER USE THIS MACHINE WITHOUT PROPERLY INSTALLED AND FUNCTIONING SAW GUIDE BAR AND SAW GUARD

d. SAW GUIDE BAR: Check condition of bar for coating peeling and wear, replace as necessary. Check saw guide bar spring for proper tension. The spring should hold the bar in any desired position in its travel. Replaces saw guide bar spring (Part No. 193) as necessary.



- Remove the finger lift fastener stud.
- 3. Push the saw guide bar up and out of the top of the head structure.
- Remove the saw guide bar spring.
- Clean and lubricate the babbitt pocket area (the square indented area that seats the saw guide bar spring).
- Lower the new saw guide bar spring through the top of the babbitt pocket area and guide the spring into position with a standard screwdriver. (NOTE: Drawing)
- While holding the saw guide bar spring in position, re-enter the saw guide bar from the top compressing the saw guide bar spring slightly until the saw guide bar slides past the spring.
- Replace the finger lift fastener stud, the fingerlift assembly and the finger lift fastener knob.
- Test by making several adjustments.



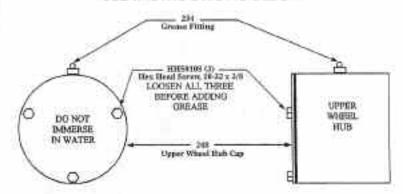
- e. STATIONARY BAR ASSEMBLY: Check condition of nylon filler (Part No. 177), change every four (4) weeks. Check condition of saw guide (part No. 119A), check tracking of blade through guide, back of blade should be centered in hole, replace every six (6) months. Check condition of lower blade back-up guide (Part No. S608). Check adjustment of back-up guide, should have \(\frac{1}{10}\)" gap between back of blade and saw guide carbide. Replace every six (6) months.
- f. SAW CLEANERS: Check condition of blade cleaners, replace every four (4) weeks.
- g. RATCHET ASSEMBLY: Check for smooth operation through full range of travel. Check condition of trigger spring, replace as necessary.
- SLIDE GIBS: Check that head structure moves freely up and down. Check for side to side and fore to aft tolerance. Adjust as required. Grease every four (4) weeks.
- MEAT GAUGE ASSEMBLY: Check free movement of meat gauge plate on gear rack. Gear rack to be kept lubricated at all times with light food grade oil. Check operation of release handle. Check that worm gear engages properly with gear rack. Check tension of release handle spring, replace as necessary.
- j. MEAT CARRIAGE ASSEMBLY: Check for free movement through full range of travel. Check for side to side tolerance, adjust as necessary. Check condition of bearings, replace as necessary. Check condition of thumb guard, replace as necessary.
- k. SAFETY ITEMS: Safety end cut pusher plate with machine and accessible. All warning labels present, properly affixed and legible. Model and Serial Number plate properly affixed and legible. Wall poster within operators view from machine. Manual accessible to operator.

#### B. LUBRICATION

- UPPER WHEEL BEARINGS: Grease every four (4) months. Change grease every twelve (12) months.
- LOWER BEARING HOUSING: Grease every four (4) months. Change grease every twelve (12) months.
- SLIDE GIBS: Grease every four (4) weeks
- MEAT CARRIAGE BEARINGS: Grease every four (4) weeks.
- SAW GUIDE BAR: Oil daily with food machine oil.
- MEAT GAUGE GEAR RACK: Oil daily with food machine oil.

#### — NOTE — USE SHELL CASSIDA GREASE EPS-2

#### USE No. 374 GREASE FOR RE-GREASING SEE INSTRUCTIONS BELOW



When lubricating the upper wheel bearing it is important that the three hex head screws securing the upper wheel hub cap be loosened slightly before attempting to pump grease into the grease fitting. Loosening the screws allows for an escape of old broken down grease and air from the bearing cavity. Failure to loosen the screws before greasing the upper bearings can cause the upper shaft seal to be dislodged from the upper wheel allowing grease to escape and moisture to get into the cavity. When finished greasing the bearings, retigitien the three screws. Take care to also clean off any grease that was pushed out of the cavity during greasing.

7. MOTOR BEARINGS: Bearing grease will lose its lubricating ability over time, not suddenly. The lubricating ability of a grease (over time) depends primarily on the type of grease, the size of the bearing, the speed at which the bearing operates and the severity of the operating conditions. Good results can be obtained if the following recommendations are used in your maintenance program.

A high grade ball or roller bearing grease should be used. Recommended grease for standard service conditions is Polyrex EM (Exxon Mobil).

Equivalent and compatible greases include: Texaco Polystar, Rykon Premium #2, Pennzoil Pen 2 Lube, and Chevron SRI.

Recommended lubrications intervals is every 9 months with the equivalent of two (2) teaspoons of grease.

#### C. SAW GUIDE BAR AND SAW GUARD

The factory recommends that when service is performed on any BIRO SAW the servicing agency be sure that the BIRO SAW is equipped with the most current safety features available.

#### MODEL 22 SAW GUIDE BARS AND SAW GUARDS

#### All Model 22 Units Prior to Serial Number 25900 (1967)

The SAW GUIDE BAR used on original equipment measured 14\(\)\_0" long. The (Item #211 O/S) FINGER LIFT held the (Item #17-0) SAW GUIDE BEARING BRACKET that held the (Item #228) SAW GUIDE BEARING. The (Item #255) SAW GUARD attached directly to the SAW GUIDE BAR. Any items required for these units should be replaced by (Item #A116-18AL) SAW GUIDE BAR ASSEMBLY, (Item #193) SAW GUIDE BAR SPRING and (Item #660) SAW GUARD ON HEAD DOOR (see adjacent page).

#### Serial Number 25900 (1967) to Serial Number 29423 (1975)

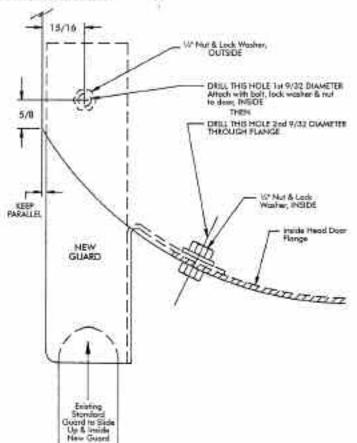
The SAW GUIDE BAR was not drilled across the width. The (Item #255MS) SAW GUARD was now attached to the (Item #211MS) FINGER LIFT. The (Item #17-0) SAW GUIDE BEARING BRACKET and (Item #228) SAW GUIDE BEARING were replaced by the (Item #601) SAW GUIDE BRACKET and the (Item #602B) UPPER SAW GUIDE. When replacing any items on these units the factory recommends the complete UPPER SAW GUIDE BAR ASSEMBLY (Item #A116-18AL) be installed along with a new (Item #193) SAW GUIDE BAR SPRING. The (Item #660) SAW GUARD ON HEAD DOOR (see adjacent page should be attached to the head door.

#### Serial Numbers 29423 On (1975 to current)

The SAW GUIDE BAR has been increased to 18\(\frac{1}{4}\) and drilled and tapped through the one inch width. The (Item #211MS) FINGER LIFT was redrilled to mate to the (Item #211D) FASTENER STUD. The GUARD (Item #12662-AL) now attaches directly to the FINGER LIFT along with the (Item #601) BRACKET and (Item #602B) GUIDE. The (Item #211G) FINGER LIFT FASTENER KNOB holds the entire finger lift assembly to the guide bar. The (Item #660) HEAD DOOR GUARD is standard equipment (see below) and nests with the (Item #12662-AL) GUARD.

Once again, (Item #A116-18AL) UPPER SAW GUIDE BAR ASSEMBLY is currently standard and is applicable to any Model 22 in the field.

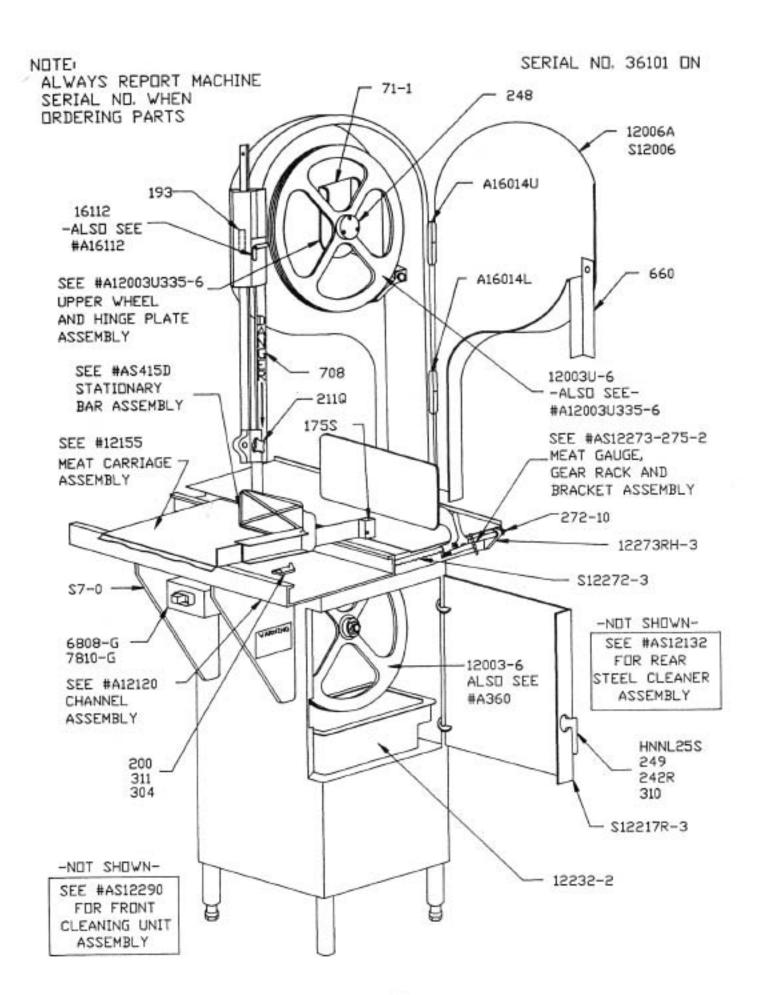
The (Item #660) HEAD DOOR QUARD can be attached to all BIRO Model 22 units produced before and after serial number 25900.



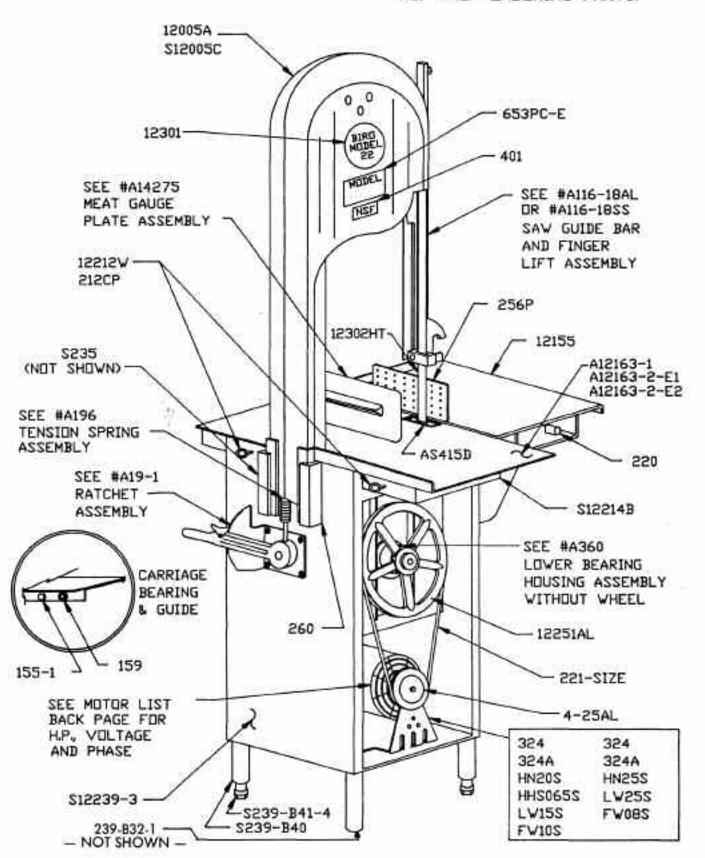
#### MODEL 22 GUARD ON HEAD DOOR

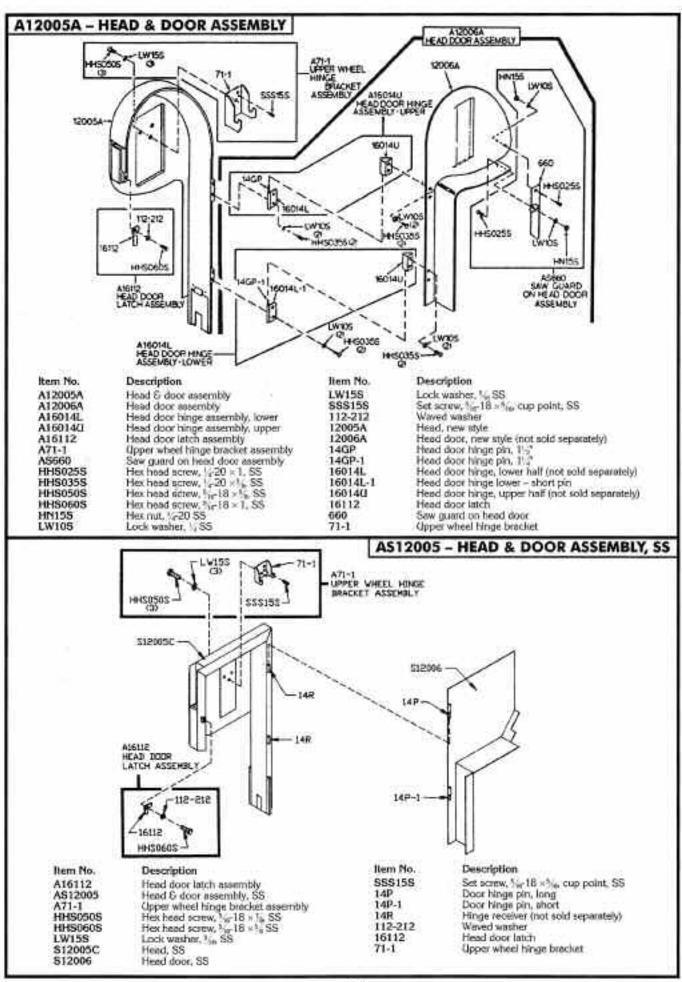
#### Instructions for Attaching New Guard for Use With Extended Saw Guide Bar on Older Machines

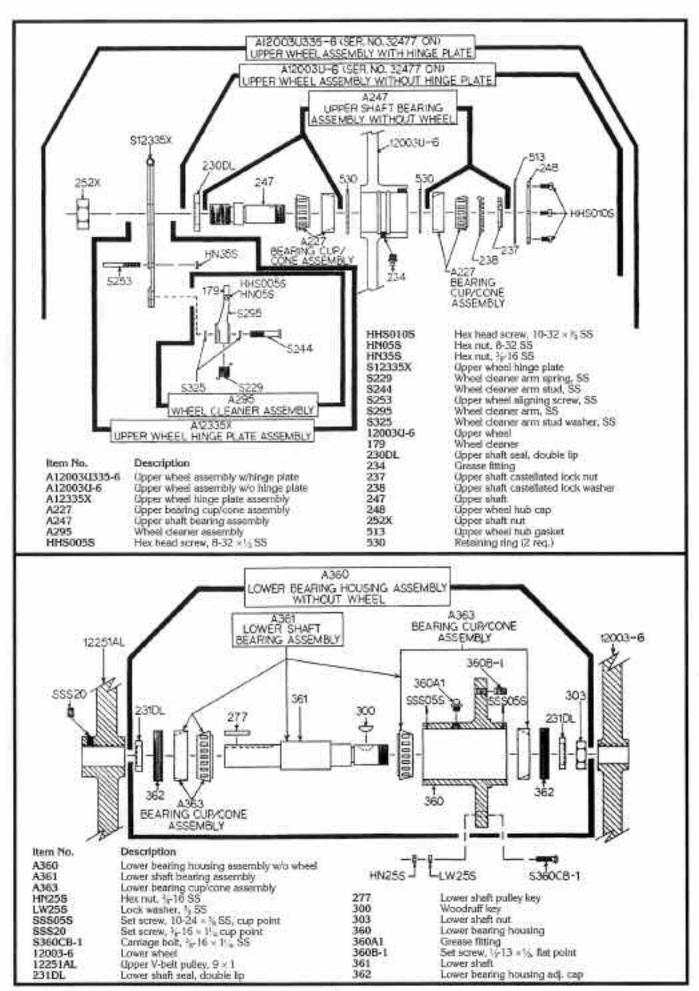
- Remove head door and lay inside up, plocing new guard inside door face and flange as shown in diagram.
- Drill upper hole first, clamp guard tight against inside of door.
- Then drill lower flange hole, using hole in guard as a locator for the lower bolt.
- NOTICE: Care must be taken to position edges parallel so that the old standard guard will slide up inside the new guard.

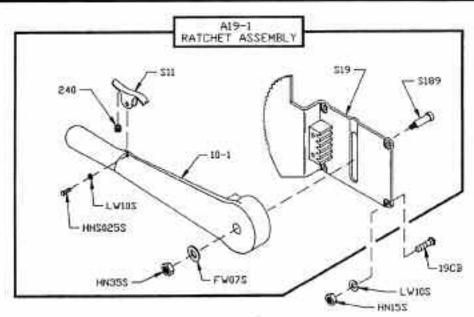


NOTE: ALWAYS REPORT MACHINE SERIAL NO. WHEN ORDERING PARTS.





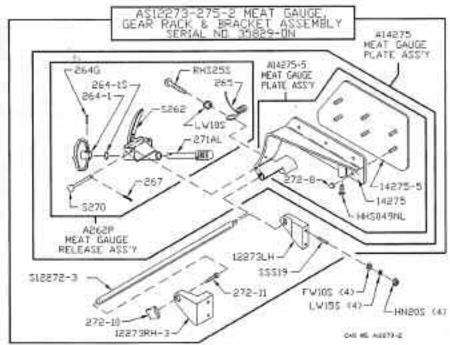




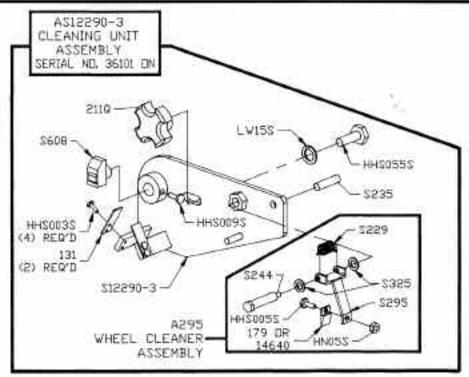
Item No. A19-1 FW07S HHS025S HN15S HN35S LW10S Description
Ratchet assembly
Flat washer, % SS
Hex head screw, 16-20 × 16 SS
Hex nut, 16-20 SS
Hex nut, 16-20 SS
Lock washer, 16 SS
Lock washer, 16 SS

Item No. \$11 \$189 \$19 10-1 19CB 240

Description
Ratchet trigger SS
Ratchet arm stud SS
ratchet base SS
Ratchet arm
Caminge bolt \(\frac{1}{2}\) 20 \times \(\frac{1}{2}\) SS
Ratchet trigger spring



Item No. Description Item No. Description Meat gauge release spring, SS Meat gauge release pin whole, SS Meat gauge brkt. – LH, SM 35301 on Meat gauge brkt. – RH, SM 35829 on A812273-275-2 \$265 Meet gauge assembly S/N 35301 on A14275 8270 Meat gauge plate assembly w/release 12273LH assembly 12273RH-3 A14275-5 Meet gauge plate assembly less release. 14275 assembly Meat gauge arm 14275-5 Ment gauge plate, SS A262 Meet gauge release assembly Flat washer, 1/4 SS Hex head screw ¼-20 ×1/4, SS Meat gauge hand wheal groove pin-FW105 264G HH50358 264-1 Meat gauge hand wheel HN20S Hex nut, 5-18 SS 264-18 Hand wheel shim HHS049NL Hex screw - Mylox 1/6-18 × 1/2 267 Meat gauge release cotter key Meat gauge worm gear, aluminum Cap nut, 1/2-18 SS Hex head screw, 1/2-18 × 2 SS Lock knob 1/2-16, 4 point LW108 Lock washer, 14 SS Lock washer, 14, SS 271AL LW158 272-8 272-9 Set screw, cup point, 16, 18 x 11, SS Meat gauge gear rack, S/N 35829 on SSS19 272-10 S12272-3 S262 Meat gauge release handle, SS 272-11 Allen head cap screw 1/2 16 = 11/4 lg.



Rem No.
AS12290-3
A295
HHS003S
HH50058
HH5009S
HHS0558
HN05S
LW15S
\$12290-3
5229
\$235

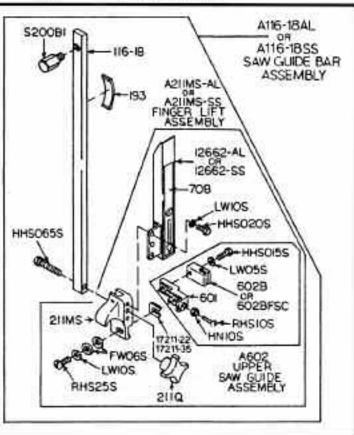
# Description Cleaning unit assembly Wheel cleaner assembly Has head screw, 8-32 = ½ trimmed SS Has head screw, 8-32 = ½ SS Has head screw, 10-24 × ½ SS Has head screw, ½-18 × ½ SS Has mut, 8-32 SS Lock washer, ½-SS Cleaning unit Wheel cleaner arm spring, SS

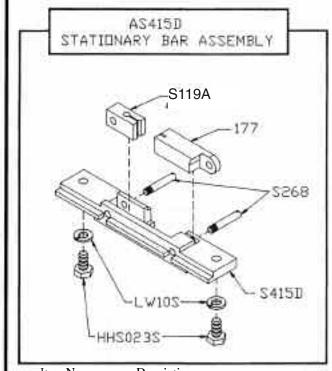
Taper pin, #4 = 34 SS

#### Item No. \$244 \$295 \$325 \$608 131 131N 131SHORT 131SS/NYL 179 211Q 14640

# Description Wheel cleaner arm stud, SS Wheel cleaner arm 55 Wheel cleaner arm stud washer, SS Saw beck up guide w/607 carbide Blade cleaner, SS Blade cleaner, nyleen Blade cleaner, SHORT SS, 7%, LG Blade cleaner combo, short, SS, STD Nyleen Wheel cleaner Lock knob, %, 18, 4 point Wheel cleaner, Rulon

Item No.	Description
A116-18AL	Saw guide bar assembly for aluminum head
A116-18SS	Saw guide bar assembly for stainless head
A211MS-AL	Finger Ifft assembly for aluminum head
A211MS-55	Finger lift essembly for stainless head
A602	Saw guide assembly upper
FW068	Flot wesher, 14 SS
HHS015S	Hex head screw, 10-32 = 1/6 SS
HHS020S	Hex head screw, 1/20 x 1/4 SS
HH50655	Hex head screw, % 18 × 11, SS
HN108	Hex nut, 10-32 SS
LW058	Lock washer, #10 SS
LW108	Lock washer, ¼ regular, SS
RHS10S	Round head screw, 10-32 x 1/2 SS
RHS25S	Round head screw, 1/20 x 1/4 SS
S200B1	Stop stud guide bar
116-18	Saw guide bar, 18"
12662-AL	Saw guard for aluminum head
12662-88	Saw quard for stainless head
17211-22	Finger lift shim, .022
17211-35	Finger lift shim, .035
193	Saw guide bar spring
211MS	Finger lift
211Q	Finger lift fastener knob, 4 point
601	Upper saw guide bracket
602BFSC	Upper saw guide, fish
602B	Upper saw guide
708	Decal, danger exposed blade





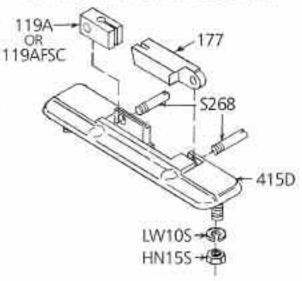
#### Item No.

AS415D HHS023S LW10S S268 S119A 177 S415D

#### Description

Stationary bar assembly, 35301 on Hex head screw, ½-20 x ½6, SS Lock washer, ½SS Stationary bar headless screw Saw guide-stainless Nylon filler Stationary bar, 35301 on

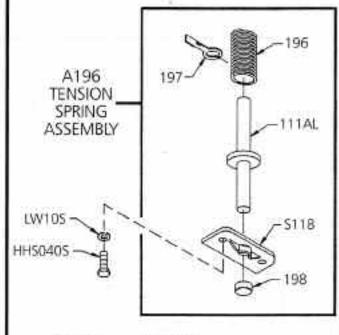
#### A415D STATIONARY BAR ASSEMBLY



hem No. A415D A5415D HN15S LW10S S268 S415D 119A 177 415D

#### Description

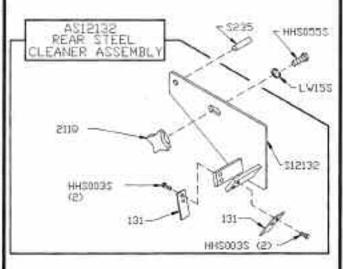
Stationary bar assembly Stationary bar assembly SS Hex nut, 14-20 SS Lock washer, 14 SS Stationary bar headless screw Stationary bar SS Saw guide in stationary bar Pyton filler Stationary bar



#### Item No. A196 HHS040S LW10S S118 111AL 196 197

#### Description

Tension spring assembly Hex head screw, 1/20 x 1; SS Lock weater, 1/4 SS Tension spring plate, SS Tension spring pin, al. Saw tension spring Tension spring gauge Tension pin cap

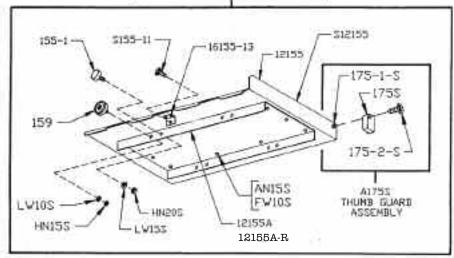


#### Rem Ho. AS12132 HHS0038 HHS0558 LW158 812132 8235 131 211Q

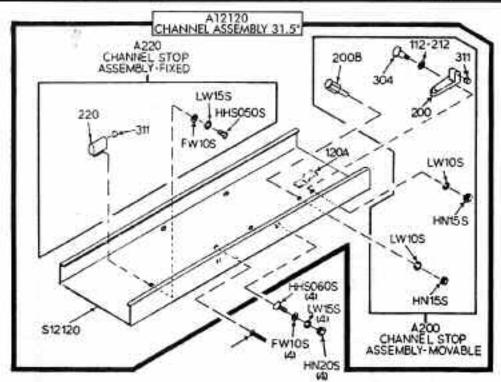
#### Description

Steel cleaner assembly, rear, 35301 on Hex head screw, 8-32 × ½ SS Hex head screw, ½-18 × ½ SS Lock washer, ½ SS Cleaning unit, rear Taper pin, #4 × ½ SS Saw cleaner, SS, 35301 on Lock knott, ½-18, 4 point

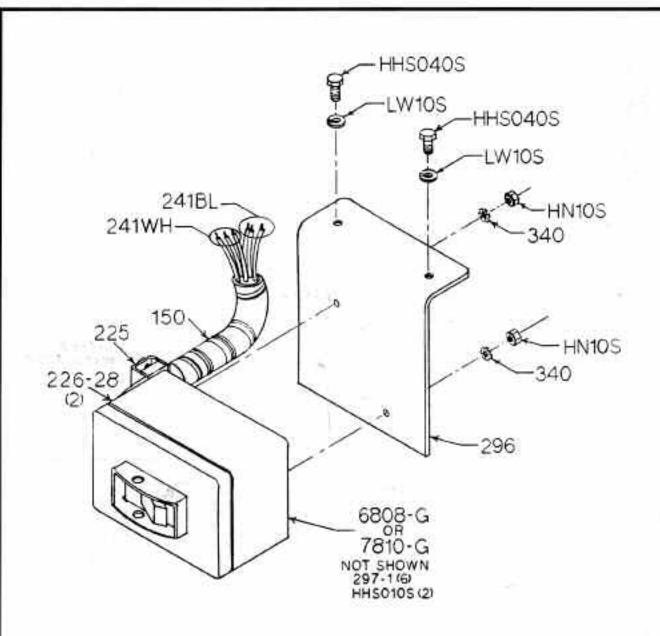
#### A12155 MEAT CARRIAGE ASSEMBLY



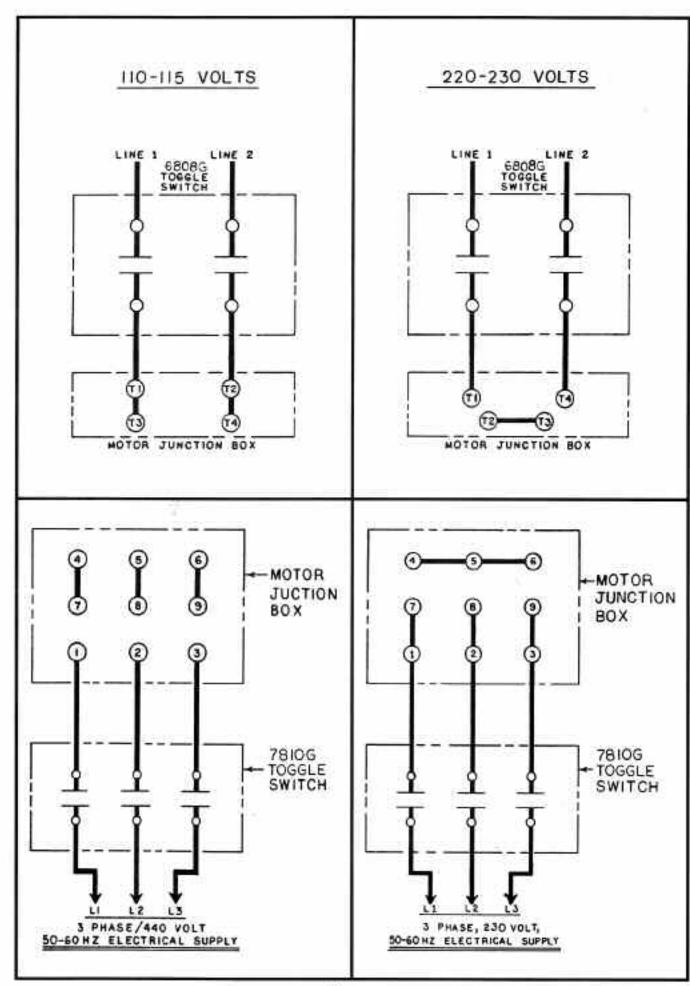
		Item No.	Description
Hern No.	Description	12155	Meat carraige top & angle + stop
A12155	Meat curriage assembly	12155A	Meat carraige guide only with stop
A175S	Thumb quard assembly	12155A-R	Meat carraige angle only without stop
AN158	Acom mrt, S5, 14-20	155-1	Meat carriage guide
FW105	Flat weather, 1/4, SS	155-3	Meat carriage guide spacer, .025
HN158	Hex nut, 1/20 SS	155-4	Mest carriage guide spacer, .040
HN20S	Hex mut, % 18 SS	159	Meat carriage bearing
LW108	Lock washer, 1, 55	16155-13	Carriage stop angle
LW15S	Lock washer, %, 55	1758	Thumb guard, nylon
\$12155	Meat carriage top only	175-1-S	Thumb guard nut SS
8155-11	Meet carriage stop thumb screw	175-2-S	Thumb screw, \20 × 1/2



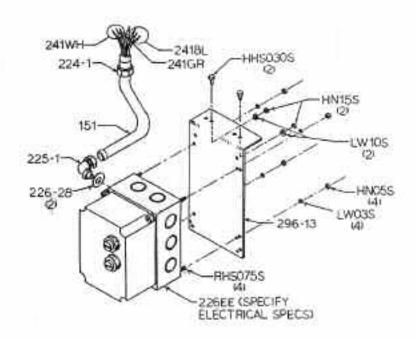
Description	Item No.	Description
Channel assembly, 31.5"	LW158	Lock washer, % SS
Carriage stop assembly, moveble	812120	Channel, 31.5', S5
Carriage stop assembly, fixed	112-212	Waved washer
Flat washer, 1 SS	120A	Pusher plate clamp, welded
Hex head screw, 15-18 × 16 SS	200	Carriage stop, movable
Hex head screw, 5 -18 × 1, SS	200B	Stop stud carriage stop
Hex nut, 1,-20 SS	220	Carriage stop, fixed
Hex nut, % 18 SS		Shoulder screw carriage stop
Lock washer, 1/2 SS	311	Carriage stop rubber bumper
	Channel assembly, 31.5" Carriage stop assembly, moveble Carriage stop assembly, fixed Flat washer, 1 is SS Hex head screw, 1 is 18 × 1 is SS Hex head screw, 1 is 18 × 1 is SS Hex nut, 1 is NSS Hex nut, 2 is 18 SS	Channel assembly, 31.5°  Carriage stop assembly, moveble  Carriage stop assembly, fixed  Flat washer, 1 ≤ SS  Hex head screw, 1 ≤ 18 × 1 ≤ SS  Hex head screw, 1 ≤ 18 × 1 ≤ SS  Hex nut, 1 ≤ 20 SS  Hex nut, 2 ≤ 30 SS  Hex nut, 3 ≤ 30 SS  Hex nut, 4 ≤ 30 SS  Hex nut, 5 ≤ 30 SS  Hex nut,



Item No.	Description
A6808-G-12	Toggle switch assembly, 1PH
A7810-G-12	Toggle switch assembly, 3PH
HHS040S	Hex head screw, 1/20 x 3/4 SS
HN10S	Hex nut, 10-32 SS
LW10S	Lock washer, V, SS
150	Conduit, 14"
225	Conduit connector, 90°
226-28	Washer, SS
241BL	Wire, black, 12GA, CSA & UL
241WH	Wire, white, 12GA, CSA & UL
296	Switch bracket SS
297-1	Wire terminal eyelet
340	Star lock washer
6808-G	Toggle switch, 1 phase
7810-G	Toggle switch, 3 phase

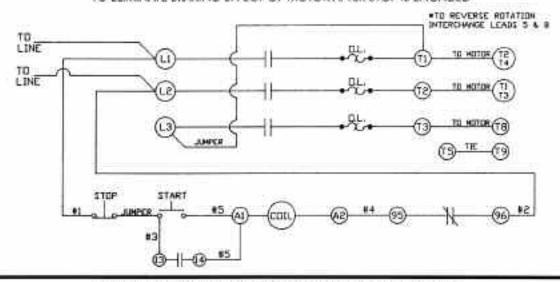


#### WATERTIGHT MAGNETIC SWITCH ASSEMBLIES (AEG) INCLUDES MOUNTING BRACKET AND WIRES

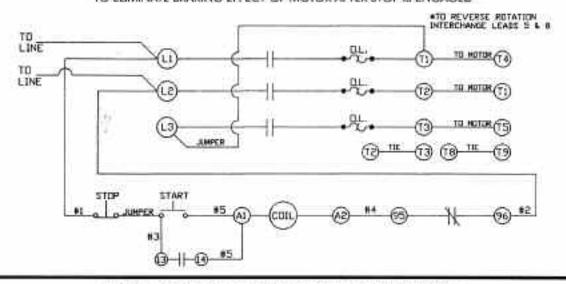


Item No.	Description	Item No.	Description
151	Watertight conduit	226EE-A011K	Contactor, LS11K.115-AO, 120V
225-1	Conduit connector, WT, 90°	226EE-C0	Contactor, LS05,10-CO, 208-230V
226-28	Washer, 1% × 7% SS	226EE-D0	Contactor, LS05.10-DO, 380-415V
226EE-22PB-GF		226EE-ENCL-PB	22
	block	000000000000000000000000000000000000000	Enclosure with 22MM button holes
226EE-22PB-RE	Stop pushbutton, 22MM edended wind	226EE-ENCL-PB	30
	contact block		Enclosure with 30MM button holes
226EE-5021	BAEG/MS-PBF/A18, THP, 104/115-50/60-1	226EE-EO	Contactor, LS05.10-EO 440-480V
226EE-506	BAEQ/MS-PBF/05-C6.3 1HP, 220-50/60-3	226EE-OL02.4H	Overload, B05-H, 1.7-2.4A
226EE-508	BAEG/MS-PEF/05-E2.4, 1HP,	226EE-OL03.2IN	Overload, 805-81, 2.2-3.2A
	440/460-60-3	226EE-OL04.7JN	Overload, B85-JN, 3-4.7A
226EE-510	BAEG/MS-PBF/05-D3.2, 1HP.	226EE-OL06.3K	Overload, B05-K, 4-6.3A
	380/415-50-3	226EE-OL08L	Overload, 805-L, 5.5-8A
226EE-5141	BAEG/MS-PBF/05-CS10.5, 1HP,	226EE-OL10.5M	Overload, B05-M, 7.5-10.5A
	208/220/230-50/60-1	226EE-OL14NN	Overload, B05-NN, 10-14A
226EE-514F	BAEG/MS-PBF/05-C8 11/4-2hp,	226EE-OL18O	Overload, B18K-O, 14.5-18A
	220/50/60-3	226EE-OL26ON	Overload B18K-ON, 21-26A
226EE-516F	BAEQ/MS-PBF/05-E4.7, 1.5-2HP, 440/60-3	241BL	Wire, black, 12 GA., CSA & UL
226EE-518F	BAEQ/M5-PBF/05-D4.7, 1.5-2HP, 380/50-3	241GR	Wire, green, 12 GA., CSA & UL.
226EE-5201	BAEG/MS-PBF/A26, 1.5-2HP,	241WH	Wire, white, 12 GA., CSA & GL
Developing the second	104/115-50/60-1	296-13	Switch bracket SS
226EE-5221	BAEG/MS-PSF/05-CS14, 1.5HP,	HN058	Hex nut, 8-32 SS
	208/220/230-50/60-1	LW035	Lock washer, #8 SS
		RHS0758	Round head screw, B-32 x 1/5S

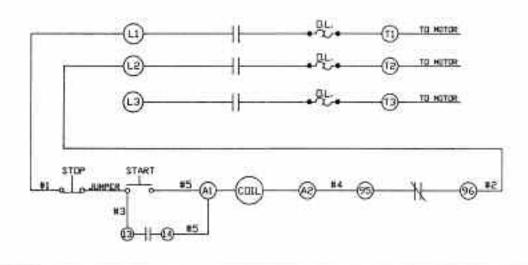
#### MODEL 22 SCHEMATIC USING 1 PH AEG W.T. SWITCH FOR 115 VOLTS, SINGLE PHASE, 60 CYCLE BALDOR TOTALLY ENCLOSED MOTOR TO ELIMINATE BRAKING EFFECT OF MOTOR AFTER STOP IS ENGAGED



#### MODEL 22 SCHEMATIC USING 1 PH AEG W.T. SWITCH FOR 230 VOLTS, SINGLE PHASE, 60 CYCLE BALDOR TOTALLY ENCLOSED MOTOR TO ELIMINATE BRAKING EFFECT OF MOTOR AFTER STOP IS ENGAGED



#### MODEL 22 SCHEMATIC USING 3 PH AEG W.T. SWITCH FOR 220/440 VOLTS, THREE PHASE, 60 CYCLE BALDOR TOTALLY ENCLOSED MOTOR



#### MODEL 22 PART NUMBERS AND DESCRIPTIONS MODEL NO. AND SERIAL NO. REQUIRED WHEN ORDERING PARTS

M39-331.51-3534-B  M40-158ES1BIF56W  M40-158ES1BIF56W  M47-M3154T-B  Motor, 19HP, 110/205-50-0-0-1 repen  M40-158ES1BIF56W  M47-M3154T-B  Motor, 2HP, 208/480-50(9-0-5 open  M58-M5556T-B  M50-12HP, 208/480-50(9-0-5 open  M58-M5556T-B  M50-12HP, 208/480-50(9-0-5 open  M58-M5556T-B  M50-12HP, 208/480-50(9-0-5 open  M51-18  S118  Tersion spiring plate, SS  11211-22  Finge  S12006  Head door, SS  S12006  Head door, SS  S12006  Head door, SS  S12122  Channel, 31½-SS, #24613 on  175-1-8  Thum  S121232  Channel, 31½-SS, #24613 on  175-2-S  Thum  S121217-23  Bese door left, SS, boot on, #35301 on  1775  S122171-25  Bese door right, SS, frigned,  S12227-33  Mark globel spiring, selection, selec	scription
May	or hinge pln, short
Medit , TisiP, 110/220-50-1, open   135-1   Meait	idult, flexible, metal, per inch
Moto. 174HP. 115/208-230-60-1 TEPC	nduit, watertight, per inch it caintage guide
Motor, 1941P. 118/208-230-60-1 TEPC Motor, 1941P. 2084-95-00-3 open Motor, 214P. 2084-95-00-3	it carriage guide spacer .025
M88-M35871-8 Motor, 174HF 208/440-50(-0.3 open   159	at carriage guide spacer .040
Mose   Mose   ZHP   2004   2004   2004   2004   3   16115   112   18   18   18   18   16155   153   2016   16155   18   18   17   17   18   17   18   17   18   17   18   17   18   17   18   17   18   17   17	it carriage bearing
\$118   Ratchet trigger, SS   1615-13   Cartin \$19   Ratchet base, \$5   17211-32   Finge \$12006   Head, \$5   17211-35   Finge \$12006   Head door, \$5   1751-8   Thum \$12132   Channol, \$115, \$15, \$24613 on   1752-8   Thum \$12132   Channol, \$115, \$15, \$24613 on   1752-8   Thum \$12132   Channol, \$115, \$15, \$21321   Channol, \$115, \$15, \$12148   Side pletite bracket, \$15, \$101	ed door latch
Signature   Sign	riage stop, SS
\$12005C Head, \$5   175-1-8   Thum \$12120   Channel, 31½, \$\$, \$24613 on   175-2-8   Thum \$12132   Channel, 31½, \$\$, \$24613 on   175-2-8   Thum \$12132   Channel, 31½, \$\$, \$2501 on   175   Shift of the standard of the standar	ter rod clip
\$121006 Head door, \$S\$   \$12100 Channel, 31½, \$S\$, \$24613 on   175.45 Thum \$12132 Channing unit, rear, ser. \$435001 on   175.85 Thum \$122148 Side platter beacket, \$S\$   177 Statio \$122171-2 Besed door left, \$S\$, bott on, \$25301 on   179 Wheel \$122178-3 Besed door left, \$S\$, brigged,   190.66 Ratch \$122178-3 Besed door left, \$S\$, brigged,   190.67 Ratch \$12229-3 Bese, \$S\$, sequere, closed top, (not sold separately)   193 Sew y \$12272-3 Meat gauge gear reach, \$S\$   196 Sew to \$122279-3 Meat gauge gear reach, \$S\$   196 Sew to \$122290-3 Lower cleaning unit with carbide holder   197 Ternic \$12239-3 Meat gauge gear reach, \$S\$   200 Carlis \$123355 (Upper wheel hunge platta, \$S\$   198 Ternic \$1255-11 Meat carriage stop thumb screw, \$S\$   200 Carlis \$1558-11 Meat carriage stop welded   2000B Stop \$1639 Platter specer weld button, \$S\$   211M9 Finge \$200B1 Stop stud on saw guide bes   211CQ Finge \$200B1 Stop stud on saw guide bes   212CQP Platter \$2299 Wheel cleaner arm torsion spring, \$S\$   212W-E Platter \$2299 Wheel cleaner arm storsion spring, \$S\$   212W-E Platter \$239-841-4 Hex leg, adjuntable, \$1/9 × 47, \$S\$   220 Carlis \$239-841-4 Hex leg, adjuntable, \$1/9 × 47, \$S\$   221-53 V-belt, \$2239-841-4 Meat gauge release handle, \$5\$   224-1 Conductive \$225 Carlis \$265 Meat gauge release pring, \$S\$   225-1 Conductive \$226 Carlis \$266 Stationary ber heldess screw \$S\$   225-1 Conductive \$2295 Wheel cleaner arm stud, \$S\$   225-1 Conductive \$270 Carlis \$266 Stationary ber, \$S\$   230DL Upper \$230BL Carlis \$266 Stationary ber, \$S\$   230DL Upper \$230BL Carlis \$266 Meat gauge release pring, \$S\$   225-1 Conductive \$270 Carlis \$265 Meat gauge release pring, \$S\$   225-1 Conductive \$270 Carlis \$266 Stationary ber, \$S\$   230DL Upper \$230BL Carlis \$260 Car	ger lift shim .022
\$12120	ger lift shirn .035
\$122148 Side platter backet, \$55 # 35301 on 1798 Thum \$122171-2 Besed door left, \$58, bott on, #35301 on 179 Wheel \$122177-3 Besed door left, \$58, bringed, 190B Ratch \$122178-3 Besed door left, \$58, bringed, 190B Ratch \$122178-3 Besed door left, \$58, bringed, 190B Ratch \$122178-3 Besed door left, \$58, bringed, 190B Ratch \$12229-3 Meat gauge gear rack, \$5 196 Saw to \$12272-3 Meat gauge gear rack, \$5 196 Saw to \$12272-3 Meat gauge gear rack, \$5 196 Saw to \$12272-3 Meat gauge gear rack, \$5 196 Saw to \$122335 K (Upper wheel hinge platta, \$5 198 Institute \$1558-1 Meat corrilage stop welded 200B Stop \$1558-1 Meat corrilage stop welded 200B Stop \$1558-1 Meat corrilage stop welded 200B Stop \$163F Platter spacer weld button, \$5 1110 Finge \$200B1 Stop stud on saw guide bes 2110 Finge \$200B1 Stop stud on saw guide bes 2120CP Plattes \$229 Wheel cleaner arm toxicon spring, \$5 212W-E Platter \$2399-840 Base foot welded, short, \$5, 35301 on 221-52 V-belt, \$2399-841 Hex leg, adjustable, \$16 x S 22 22-52 Voled (beat cleaner arm stud, \$5 224 Wheel cleaner arm stud, \$5 224 Meat gauge release handle, \$5 225 Meat gauge release spring, \$5 225 Leg S 225-1 Condu-\$2295 Wheel cleaner arm stud, \$5 225 Wheel cleaner arm, \$5 225 Condu-\$225 Cond	imb guard nut, SS
Side platter bracket, SS   177   Station   179   Wheel   12217R-2   Base door right, SS, bott on, #35301 on   179   Wheel   179   Wheel   12229-3   Base, SS, square, closed stop, not sold separately)   193   Saw y   122272-3   Base, SS, square, closed stop, not sold separately)   195   Saw In   196   Sa	imb screw \4D ×15
S12217L-2   Bese door left, SS, bot on, #35301 on   179   Wheel   19218   Ratch   19229-3   Bese, SS, sugare, closed top, (not sold separately)   193   Sew g   19227-3   Maut gauge gear nack, SS   196   Saw in   192290-3   Lower cleaning unit with carbide holder   197   Tends   197   Tends   192355X   Upper wheel hange plate, SS   198   Tends   192355X   Upper wheel hange plate, SS   198   Tends   19355-11   Meat carriage stop thumb screw, SS   200   Carriag   19556-1   Meat carriage stop whited   2006   S163F   Ratchet arm stud, stanless   211 on   English   198   S169F	imb guard, nylon
S12217R-3   Beas door right, SS, Finged.   19CB   Ratch	tionary bar nylon filler eel cleaner
\$12299-3	that base carriage bolt 1/20 × %
\$12272-3	guide ber spring
\$12393X	tension spring
\$12333X	sion spring gauge
\$16381   Meat corriage stop welded   2008   Stop \$16387   Plater specter weld button, \$S\$   211 MS   Finge \$189   Retchet arm stud, stainless   211 MS   Finge \$189   Retchet arm stud, stainless   212 MS   Finge \$1229   Wheel cleaner arm torsion spring, \$S\$   212 MS   Platter \$229   Wheel cleaner arm torsion spring, \$S\$   212 MS   Platter \$2239 - MS   Stage \$100   Sta	sion pin cap
\$163F   Platter speece weld button, SS   21 IMS   Finge   S189   Ratchet arm stud, stainless   2110   Finge   S200B1   Stop stud on saw guide bas   212CP   Platter   S229   Wheel cleaner arm torsion spring, SS   212W-E   Platter   S235   Taper pin, SS, 4 × ½   220   Carria   S239-B41   Have leg, adjuntable, ½ 9 × 41, SS   221-52   Wheel, S239-B41   Have leg, adjuntable, ½ 9 × 41, SS   221-53   Wheel cleaner arm stud, SS   224-1   Conductor   S224   Wheel cleaner arm stud, SS   224-1   Conductor   S225   Conductor   Conductor   S225   Conductor   Conductor   S225   Conductor	riage stop, movable
\$189   Ratchef arm stud, stainless   211G   Finger   S209B1   Stop stud on saw guide bar   212CP   Platter   S229   Wheel channer arm torsion spring, SS   212W-E   Platter   S239   Wheel channer arm torsion spring, SS   212W-E   Platter   S239-B41-4   Base foot wedded, short, SS, 35301 on   221-52   V-bell, S239-B41-4   Hex leg, adjustable, 3/9 x 4', SS   221-53   V-bell, S240   Rotchef trigger spring, SS   221-54   V-bell, S244   Wheel cleaner arm stud, SS   224   Conductor   Cond	p stud carriage stop
S20081   Stop stud on saw guide bas   212CP   Platter	ger lift brocket
\$229	ger lift fastener knob, 4 point
S235         Taper pin, SS, 4 × 5         220         Carrier           \$239-B40         Base foot weded, short, \$5, 35301 on         221-52         V-belt, \$239-B41-4         Hex leg, adjurtable, \$79 × 41, \$S         221-53         V-belt, \$244           \$244         Wheel cleaner arm stud, \$S         221-54         V-belt, \$244           \$244         Wheel cleaner arm stud, \$S         224-1         Conds           \$253         Upper wheel aligning screw, \$S         224-1         Conds           \$256         Meat gauge release spring, \$S         225-1         Conds           \$265         Meat gauge release spring, \$S         225-1         Conds           \$270         Meat gauge release pin, \$S, with hote         226-20         Conds           \$295         Wheel cleaner arm, \$S         230DL         Upper           \$3415D         Stationary ber, \$S         231DL         Lower           \$415         Platter locator weld pin, \$S         234         Gress           \$408         Lower blade back up guide w/carbide, #35301 on         239-B32-1         Beae!           \$70         Charnel bracket, \$S         234         Gress           \$111AL         Tersion spring pin         248         Gpar           \$111AL         Tersion sprin	ter rod cotter pin
\$239-B40	ter rod, England riage stop, fixed
\$239.841-4 Hex leg, adjustable, ½9 x 41, SS	
5240         Rotchet trigger spring, SS         221-54         V-beit           5244         Wheel cleaner arm stud, SS         224-1         Condt           5252         Upper wheel aligning screw, SS         225-1         Condt           5265         Meat gouge release handle, SS         225-1         Condt           5268         Stationary ber heltess screw SS         225-2         Condt           5270         Meat gouge release prin, SS, with hote         226-28         Condt           5295         Wheel cleaner arm washer, SS         230DL         Upper           5360CB-1         Carriage both ½r 16 x 1½, SS         231DL         Lower           5360CB-1         Carriage both ½r 16 x 1½, SS         238         Up sh           5415D         Stationary bar, SS         237         Up sh           5416         Platter locator weld pin, SS         238         Up sh           57-0         Channel bracket, SS         242R         Base 1           10-1         Ratchet arm         247         Upper           111AL         Tersion spring pin         248         Upper           112-12         Wewed washer         249         Base 1           12-18         Saw guide in stationary bar, fish	
\$244         Wheel cleaner arm stud, SS         224         Condit           \$253         Upper wheel aligning ecrew, SS         224-1         Condit           \$262         Meat gauge release handle, SS         225-1         Condit           \$268         Stationary bear hidess screw SS         225-2         Condit           \$270         Meat gauge release pin, SS, with hole         226-28         Condit           \$295         Wheel cleaner arm Neather, SS         2300L. Upper           \$295         Wheel cleaner arm washer, SS         231DL. Lower           \$325         Wheel cleaner arm washer, SS         231DL. Lower           \$416D         Patter locator weld pin, SS         237         Up sh           \$416         Platter locator weld pin, SS         238         237         Up sh           \$7-0         Channel bracket, SS         242R         Ease 1           \$7-1         Ratchet arm         244         Upper           \$111AL         Tersion spring pin         248         Upper           \$112-212         Wewed washer         249         Base 1           \$116-18         Saw guide in stationary bar.         256P         Safety           \$119F8C         Saw guide in stationary bar.         256P	
\$253	dult connector, straight
\$262	dult connector, WT, straight
S268   Stationary bar hitless screw SS   225-2   Cond. S270   Meat gauge release pin, SS, with hole   226-28   Cond. S295   Wheel cleaner arm, SS   230DL   Copper S325   Wheel cleaner arm washer, SS   231DL   Lower S360CB-1   Carriage both 3/-16 × 14, SS   234   Crease S415D   Stationary bar, SS   237   Clp sh. S416   Platter locator weld pin, SS   237   Clp sh. S416   Platter locator weld pin, SS   237   Clp sh. S416   Platter locator weld pin, SS   237   Clp sh. S416   Platter locator weld pin, SS   238   Clp sh. S416   Platter locator weld pin, SS   238   Clp sh. S416   Platter locator weld pin, SS   239-B32-1   Beee   S7-0   Charnel bracket, SS   242R   Ease   Clp-11   Earthet arm   247   Clpper 112-212   Waved washer   249   Base   Clp-114-12-212   Waved washer   249   Base   Clp-115-18   Saw guide bar, 18'   252X   Clpper 119-A   Saw guide in stationary bar, fish   256P   Safety   119-A   Saw guide in stationary bar, fish   256P   Safety   119-BC   Saw guide in stationary bar, fish   256P   Safety   1200-36   Clower wheel, 12'   260   Ahrmid   1200-36   Clower wheel, 12'   264-1   Meatty   1200-36   Clower wheel, 12'   264-1   Meatty   1200-36   Head door, aluminum (not sold separately)   267   Meat gauge bar, 18'   1215-3   Meat carriage, top E angle, SS   272-9   Hex h   1215-3   Meat carriage, top E angle, SS   272-9   Hex h   1216-3B-1   Patter neck guard   Europe, SS head   277-10   Meat gauge 141-14   Clock   1216-3B-2   Patter neck guard   Europe, SS head   277-10   Meat gauge 154. Let reck guard   Europe, SS head   277-10   Meat gauge 154. Let reck guard   Europe, SS head   277-10   Meat gauge 154. Let reck guard   Europe, SS head   277-10   Meat gauge 154. Let reck guard   Europe, SS head   277-10   Meat gauge 154. Let reck guard   Europe, SS head   277-10   Meat gauge 154. Let reck guard   Europe, SS head   277-10   Meat gauge 154. Let reck guard   Europe, SS head   277-10   Lower   2273LH   Meat gauge 154t, Let reck guard   Europe, SS head   278-21   Meat gauge 154t, Let reck guard   278-21	duit connector, 90"
\$270 Meat gauge release pin, SS, with hole \$26-28 Cond. \$295 Wheel cleaner arm, SS 231DL Lower \$360CB-1 Carriage bot \$_16 \times \text{N}_5 \text{SS}\$ 231DL Lower \$360CB-1 Carriage bot \$_16 \times \text{N}_5 \text{SS}\$ 234 Gress \$415D Stationary bar, SS 237 (by sh. \$416 Platter locator weld pin, SS 238 (bp sh. \$608 Lower blade back up guide w/carbide, #35301 on 239-832-1 Beae! \$7-0 Charnel bracket, SS 242R 242R Beaes on \$10-1 Ratchet arm 247 (bpper 112-212 Waved washer 249 Beaes on \$10-1 Ratchet arm 247 (bpper 112-212 Waved washer 249 Beaes on \$10-1 Ratchet arm 250 Ratchet arm 250 Ratchet \$10-1 Ratc	duft connector, WT, 90°
S295   Wheel cleaner arm, SS   2300L   Upper S325   Wheel cleaner arm washer, SS   2310L   Lower S360CB-1   Carriage both 3/-16 x 11/s SS   234   Gress   S415D   Stationary bar, SS   237   Up sh. S416   Platter locator weld pin, SS   238   Up sh. S608   Lower blade back up guide w/carbide, #35301 on   239-B32-1   Beaet   S7-0   Channel bracket, SS   242R   Easet   S7-0   Channel bracket, SS   242R   Easet   Upper 111-L212   Waved washer   249   Baset   Upper 112-212   Waved washer   249   Baset   Upper 116-18   Sew guide ber, 18"   2552X   Upper 119-SX   Saw guide in stationary bar   2556PM   Safety   119FSC   Sew guide in stationary bar   2566PM   Safety   119FSC   Sew guide in stationary bar   2566PM   Safety   12003-6   Lower wheel, 12"   260   Aluminum   26003-6   Upper wheel, 12"   260   Aluminum   2606A   Head door, aluminum (not sold separately)   267   Meet sold   2154   Table extension, SS   272-8   Cap m   2155   Meet carriage, top 6 angle, SS   272-9   Hex bridging   272-11   Locket   2163B-1   Platter neck guard   Europe, SS head   277-10   Meet sold   2163B-2   Platter neck guard   Europe, SS head   277-10   Meet sold   2273LH   Meet gauge bikt, EH, #35301 on   300   Lower   12273LH   Meet gauge bikt, EH, #35301 on   301   Lower   12273LH   Meet gauge bikt, EH, #35301 on   304   Carrian   2273LH   Saw black, 91', hard tooth   331K   Platter   2301-B   Serial number plate (ser. no. required)   324A   Motor   2301-B   Serial number plate (ser. no. required)   324A   Motor   2301-B   Serial number plate (ser. no. required)   324A   Motor   2301-B   Saw cleaner, SS, #35301 on   3608A1   Beanth   24275-5   Meet gauge plate, coder nanual, #35301 on   3608A1   Beanth   24275-5   Meet gauge plate, coder nanual, #35301 on   361B-1   Europe   24275-5   Meet gauge plate, coder nanual, #35301 on   361B-1   Europe   24275-5   Meet gauge plate, coder nanual, #35301 on   361B-1   Europe   24275-5   Meet gauge plate, coder nanual, #35301 on   361B-1   Europe   24275-5   Meet gauge plate, coder nanual, #35301 on	dult connector, 45"
\$325 Wheel cleaner arm washer, \$\$ 231DL Lower \$360CB-1 Carriage both \$15 k 15 k 15 k \$\$\$ 234 Gress \$415D Stationary bar, \$\$\$ 237 Gp sh \$416 Platter locator weld plin, \$\$\$ 238 Gp sh \$608 Lower blade back up guide w/carbide, #35301 on \$239-B32-1 Beset \$7.0 Channel bracket, \$\$\$ 242R Beset \$7.0 Channel bracket, \$\$\$ 242R Beset \$10-1 Ratchet arm 247 Gpper 1112-L1 Terrsion spring pan 248 Upper 112-212 Wased washer 249 Baset \$116-18 Saw guide bar, \$18" 252X Upper 119-R \$252X Upper 11	dult connector washer
Sample   S	er shalt seal, double lip
S415D   Stationary ber, SS   237   Up shill	er shaft seal, double lip
Section	ese fitting, upper wheel shaft castellated lockrut
Second	shaft castid locknut washer
S7-0	e foot plug, plastic, #35301 on
10-1	e door lock, right
112-212	er shaft
116-18	er wheel hub cap
119A Saw guide in stationary bar	e door handle
119FSC Saw guide in stationary bar, fish 256PM Safety 120A Pusher plate clamp, weided 259 Condu. 12003-6 Lower wheel, 12" 2660 Alumin 120034-6 Upper wheel, 12" 264-1 Meet g. 12005A Head, aluminum (not sold separately) 267 Meet g. 12154 Table extension, SS 272-8 Cap in 12155 Meet carriage, top 6 angle, SS 272-9 Hex his 12163B Platter neck guard 272-10 Meet g. 12163B-1 Platter neck guard 272-10 Meet g. 12163B-1 Platter neck guard, Europe, Al. head 277-11 Lock in 12163B-2 Platter neck guard, Europe, SS head 277 Lower 12212W Platter nod 280 Motor 12232-2 Scrap bucket, #35301 on 300 Lower 12251AL Upper v-belt pulley 9 = 1, aluminum 303 Lower 12273LH Meet gauge birkt, RH, #35301 on 311 Rubbe 12275 Meet gauge birkt, RH, #35301 on 311 Rubbe 12275 Meet gauge plate, order A14275-5 324 Motor 12302HT Saw blade, 91", hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 360 Lower 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-85 Saw guard, w/708, SS head 360A1 Bearin 12700-2 Wearsble parts replacement let, #35301 on 361 Lower 14275 Meet gauge print protection 362 Lower 14275 Meet gauge parts replacement let, #35301 on 361 Lower 14275 Meet gauge plate, SS head 360A1 Bearin 12700-2 Wearsble parts replacement let, #35301 on 361 Lower 14275 Meet gauge plate, SS Head 360 Lower 14275 Meet gauge plate, SS Head 374 Greax 14275 Meet gauge plat	er shift lock nut
120A	ty pusher plate, composition
12003-6	sty pusher plate, aluminum duit anti-short bushing
12003G-6	ninum slide gib
12005A	t gauge refesse hand wheel
12006A	d wheel groove pin
12154 Table extension, SS 272-8 Cap in 12155 Meet carriage, top 6 angle, SS 272-9 Hex live 12163B Platter neck guard Europe, Al head 272-11 Lock in 12163B-1 Platter neck guard, Europe, Al head 277-11 Lower 12163B-2 Platter neck guard, Europe, SS head 277 Lower 12212W Platter neck guard, Europe, SS head 277 Lower 12212W Platter neck guard, Europe, SS head 277 Lower 12213C-2 Scrap bucket, #35301 on 300 Lower 12251AL (ipper v-belt pulley 9 = 1, aluminum 303 Lower 12251AL (ipper v-belt pulley 9 = 1, aluminum 303 Lower 12273LH Meat gauge birkt, LH, #35301 on 311 Rubbe 12273 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (ser. no. required) 324A Motor 12302HT Saw blade, 91°, hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star lio 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-SS Saw guard, w/708, SS head 360A1 Bearth 12700-2 Wearable parts replacement kit, #35301 on 360B-1 Big lis 131 Saw cleaner, SS, #35301 on 361B-1 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meat gauge plate, SS 374 Greass	t gauge release cotter key
12155 Meet carriage, top 6 angle, SS 272-9 Hex his 121638 Platter neck guard 272-10 Meet of 121638-1 Platter neck guard, Europe, Al. head 272-11 Locks 121638-2 Platter neck guard, Europe, SS head 277 Lower 12212W Platter neck guard, Europe, SS head 277 Lower 12212W Platter neck guard, Europe, SS head 280 Motor 12232-2 Scrap bucket, #35301 on 300 Lower 12251AL (apper v-belt pulley 9 = 1, aluminum 303 Lower 12273LH Meet gauge birkt, LH, #35301 on 304 Carrial 12273LH Meet gauge birkt, RH, #35301 on 311 Ruhbe 12275 Meet gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (set. no. required) 324A Motor 12302HT Saw blade, 91°, hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star lo 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-SS Saw guard, w/708, SS head 360A1 Bearth 12700-2 Wearable parts replacement kit, #35301 on 3608-1 Birg his 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meet gauge arm 362 Lower 14275-5 Meet gauge plate, SS 374 Grease	nut, fig-18, SS
12163B-1 Platter neck guard, Europe, Al. head 277-11 Lock is 12163B-2 Platter neck guard, Europe, SS head 277 Lower 12212W Platter nod 280 Motor 12232-2 Scrap bucket, #35301 on 300 Lower 12251AL Upper v-belt pulley 9 = 1, aluminum 303 Lower 12273LH Meat gauge birkt, LH, #35301 on 304 Carria, 12273RH-3 Meat gauge birkt, RH, #35301 on 311 Rubbe 12275 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (set. no. required) 324A Motor 12301-B Serial number plate (set. no. required) 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star for 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-SS Saw guard, w/708, SS head 360A1 Beatin 12700-2 Wearable parts replacement kit, #35301 on 360B-1 Big ha 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meat gauge plate, SS 374 Grease	head screw, 2°, SS
12163B-2 Platter neck guard, Europe, SS head 277 Lower 12212W Platter rod 280 Motor 12232-2 Scrap bucket, #35301 on 300 Lower 12251AL Lipper v-belt pulkey 9 = 1, aluminum 303 Lower 12273LH Meat gauge brikt, LH, #35301 on 304 Carria, 12273RH-3 Meat gauge brikt, RH, #35301 on 311 Rubber 12275 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (ser. no. required) 324A Motor 12302HT Saw blade, 91°, hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star to 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-SS Saw guard, w/708, SS head 360A1 Beatin 12700-2 Wearable parts replacement ldt, #35301 on 360B-1 Big its 131 Saw cleaner, SS, #35301 on 361B-1 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meat gauge plate, SS 374 Greass	t gauge lock knob, 4 pt, #35301 on
12212W Platter rod 280 Motor 12232-2 Scrap bucket, #35301 on 300 Lower 12251AL Lipper v-belt polley 9 = 1, aluminum 303 Lower 12273LH Meat gauge brikt, LH, #35301 on 304 Carria 12273RH-3 Meat gauge brikt, RH, #35301 on 311 Rubbe 12275 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (ser. no. required) 324A Motor 12302HT Saw blade, 91°, hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star lo 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-98 Saw guard, w/708, Na head 360 Lower 12662-98 Saw guard, w/708, Shead 360A1 Bearin 12700-2 Wearable parts replacement kit, #35301 on 3608-1 Big is 131 Saw cleaner, SS, #35301 on 3618-1 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meat gauge plate, SS 374 Greass	k knob socket screw, #35301 as
12232-2 Scrap bucket, #35301 on 300 Lower 12251AL Lipper v-belt pulley 9 = 1, aluminum 303 Lower 12273LH Meat gauge brit. LH, #35301 on 304 Carria. 12273RH-3 Meat gauge brit. RH, #35301 on 311 Rubbe 12275 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (ser. no. required) 324A Motor 12302HT Saw blade, 91°, hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star lo 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-85 Saw guard, w/708, Shead 360A1 Bearin 12700-2 Wearable parts replacement lat, #35301 on 360B-1 Birg ha 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meat gauge plate, SS 374 Grease	er shaft key, v-beit side
12251AL Lipper v-belt polley 9 = 1, aluminum 303 Lower 12273LH Meat gauge brikt, LH, #35301 on 304 Carria 12273RH-3 Meat gauge brikt, RH, #35301 on 311 Rubbe 12275 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (set, no, required) 324A Motor 12302HT Saw blads, 91', hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star lot 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-85 Saw guard, w/708, SS head 360A1 Bearin 12700-2 Wearable parts replacement kit, #35301 on 360B-1 Birg hs 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275 Meat gauge plate, SS 374 Grease	or shaft key
12273LH Meat gauge brikt, LH, #35301 on 304 Carria, 12273RH-3 Meat gauge brikt, RH, #35301 on 311 Rubbe 12275 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (set. no. required) 324A Motor 12302HT Saw blads, 91°, hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star to 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-SS Saw guard, w/708, SS head 360A1 Beatin 12700-2 Wearable parts replacement lat, #35301 on 360B-1 Big his 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meat gauge plate, SS 374 Grease	er shaft Woodruff key, blade side
12273RH-3 Meat gauge birkt, RH, #35301 on 311 Rubbe 12275 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (ser. no. required) 324A Motor 12302HT Saw blade, 91°, hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star to 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-SS Saw guard, w/708, SS head 360A1 Bearin 12700-2 Wearable parts replacement kit, #35301 on 360B-1 Big his 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275 Meat gauge plate, SS 374 Greass	inge stop shoulder screw
12275 Meat gauge plate, order A14275-5 324 Motor 12301-B Serial number plate (ser. no. required) 324A Motor 12302HT Saw blade, 91°, hard tooth 331K Platter 12313-251 Operating and service manual, #35301 on 340 Star lio 12662-AL Safety saw guard, w/708, AL head 360 Lower 12662-SS Saw guard, w/708, SS head 360A1 Bearin 12700-2 Wearable parts replacement kit, #35301 on 3608-1 Birg hs 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meat gauge plate, SS 374 Greass	ber bumper for carriage stops
12301-B         Serial number plate (ser. no. required)         324A         Motor           12302HT         Saw blads, 91', hard tooth         331K         Platter           12313-251         Operating and service manual, #35301 on         340         Star to           12662-AL         Safety saw guard, w/708, AL head         360         Lower           12662-SS         Saw guard, w/708, Sk head         360A1         Beartin           12700-2         Wearable parts replacement let, #35301 on         360B-1         Brg hs           131         Saw cleaner, SS, #35301 on         361         Lower           14275         Meat gauge arm         362         Lower           14275-5         Meet gauge plate, SS         374         Grease	or shirm, 16"
12302HT Saw blade, 91°, hard tooth 12313-251 Operating and service manual, #35301 on 12662-AL Safety saw guard, w/708, AL head 12662-85 Saw guard, w/708, Shead 12700-2 Wearable parts replacement lett, #35301 on 12700-2 Wearable parts replacement lett, #35301 on 131 Saw cleaner, SS, #35301 on 14275 Meat gauge arm 14275 Meet gauge plate, SS 374 Grease	or shim ! "
12313-251 Operating and service manual, #35301 on 340 Star lo 12662-AL Safety saw guard, w708, AL head 360 Lower 12662-85 Saw guard, w708, SS head 360A1 Bearin 12700-2 Wearable parts replacement lett, #35301 on 360B-1 Birg his 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meet gauge plate, SS 374 Grease	ter bracket rubber burnper idt
12662-98 Sew guard, w708, SS head 360A1 Bearth 12700-2 Wearable parts replacement let, #35301 on 3608-1 Brg hs 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meat gauge plate, SS 374 Greats	lock washer
12700-2 Wearable parts replacement let. #35301 on 3608-1 Brg hs 131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meet gauge plate, SS 374 Grease	er bearing housing
131 Saw cleaner, SS, #35301 on 361 Lower 14275 Meat gauge arm 362 Lower 14275-5 Meet gauge plate, SS 374 Grease	ting housing angled grease fitting
14275 Meat gauge arm 362 Lower 14275-5 Meet gauge plate, SS 374 Grease	hang tilt set screw, 12-13
14275-5 Meet gauge plate, SS 374 Greats	er shert er boaring housing cap
The Charles Annual Control of the Charles Con	sie, Penzoli #7072, 1 lb. tub
14640 Wheel cleaner, Ruion 375 Drive:	e screw, for name plate
	e screw. SS. #10 ×15
14GP-1 Head door hinge pin, short, 11/4" 4-25AL Motor	or pulley, AL, 60cy, 5 × 1/4
	or pulley, AL, 60cy, 5 * %

#### MODEL 22 PARTS NUMBERS AND DESCRIPTIONS (Cont.)

Item No.	Description	Item No.	Description
4-35AL 4-45AL	Motor pulley, AL, 60cy, 5 = % Motor pulley, AL, 50cy, 6 < %	602BFSC 653PC-E	Sew guide, upper, fish Warning decal, English
4-49AL	Motor pulley, AL, 50cy, 6 x %	653PC-SP	Warning decal, Spanish
513	Opper wheel hub gasket	660	Saw guard on head door
530	Retaining snap ring	71-1	Upper wheel hinge bracket
601	Opper saw guide bracket	708	Decal "DANGER EXPOSED BLADE"
6020	Cattle out of a second		

#### COMPLETE ASSEMBLIES FOR MODEL 22

Item No.	Description	Item No.	Description
AS12005	Head & door assembly, SS	A14275-5	Meat ga. plate & arm assembly
AS12132	Rear cleaner assembly, #35301 on	A16014L	Head door hinge assembly, lower, short pin
AS12217R-2	Base door assembly, right hinged, #35301 on	A16014U	Head door hinge assembly, upper, long pin
A512273-275-2	Meat gauge assembly, w/SS rack & al. bracket	A16112	Head door latch assembly
AS12290	Front deening unit assembly, #35301 on	A1756	Thumb guard assembly
AS415D-2	Stationary bar assembly, #35301 on	A19-1	Ratchet assembly
AS560	Saw guard on head door assembly	A196	Tension spring assembly
A116-18AL	Saw guide bur assembly, AL heed	A200	Carriage stop assembly, movable
A116-1855	Saw guide bar assembly, SS head	A211MS-AL	Finger lift assembly, AL head
A12003U-6	Upper wheel assembly w/o hings plats	A211MS-SS	Finger lift assembly, SS head
A12003G335-6	Upper wheel assembly whinge plate	A220	Channel stop assembly, fixed
A12005A	Head and door assembly	A227	Upper bearing cup/cone assembly
A12006A	Head door assembly	A247	Upper shaft brg assern w/o wheel
A12120	Channel assembly 31*	A249R	Base door lock handle assembly, right
A12155	Meat carriage assembly, #24613 on	A262	Meat gauge release assembly
A12163-2	Sta. platter assembly, #35301 on	A295	Wheel cleaner assembly
A12163-2-E1	Sta. platter assembly, Europe, AL head, #35301	A360	Lower bearing housing assembly
	on a second seco	A361	Lower shaft & bearing assembly
A12163-2-E2	Ste. pletter essembly, Europe, SS head, #35301	A363	Lower bearing cup/cone assembly
7112100 2 22	on	A602	Saw guilde assembly, upper
A12335X	Upper wheel hinge plate assembly	A71-1	Upper wheel hinge brkt, assembly
A14275	Meat ga. plate assembly whelease assembly		
4 2 2 2 2 2 2	The state of the s		

#### WEARABLE SAW PARTS THAT WILL FIT BIRO POWER CUTTERS MODELS

11-22-1433-33-34-3334-44-4436-55

— EXCEPT WHERE NOTED OTHERWISE —
CONTACT YOUR NEAREST BIRO AUTHORIZED DISTRIBUTOR
OR CONTACT BIRO MANUFACTURING
Ph.: 419-798-4451 E.Mail: service@birosaw.com



SAW CLEANER BRACKET ALL SAWS



STEEL BLADE CLEANER
ALL SAWS



Item No. 159 CARRIAGE BEARING 11-22-33



Item No. 16159 CARRIAGE BEARING 1433-34-3334-44-55



Item No. 601 UPPER SAW GUIDE BRACKET ALL SAWS



Item No. 602B UPPER SAW GUIDE W/BEVELED CARBIDE ALL SAWS



Item No. S265 MEAT GAUGE SPRING ALL SAWS



Item No. S608 LOWER BLADE BACKUP W/CARBIDE 22 (after S/N 35301)-1433-55



Item No. 119A LOWER SAW GUIDE ALL SAWS



item No. 177 NYLON FILLER ALL SAWS



Item No. 604 LOWER BLADE BACKUP W/CARBIDE 11-22 (before S/N 35300)



Item No. 605 LOWER BLADE BACKUP W/CARBIDE 34-3334-44-4436



Item No. S295 WHEEL CLEANER ARM ALL SAWS



Item No. 179 WHEEL CLEANER ALL SAWS



ltem No. S244 WHEEL CLEANER ARM STUD ALL SAWS



Item No. S229 WHEEL CLEANER ARM SPRING ALL SAWS



Item No. 415D STATIONARY BAR ALL SAWS



Bern No. S415D STAINLESS STATIONARY BAR STD: 22 (after S/N 35301)-1433-55 OPT: 3334-44

Item No. S268 FILLER & GUIDE STUD ALL SAWS

USE PARTS REPAIR KIT PART NO. 16700 -

#### WARNING LABEL LOCATIONS ON MACHINE

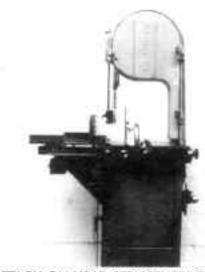


DO-HOT Law Unions Trained and Authorized By Supervised And Or 16 Years Old Shaell Concessor (Harmad Technique Baller Operating ALWRYS Respirence): Clear of Sillado and Other Moving Paris. 5.

PART NO. 653PS ENGLISH WARNING LABEL



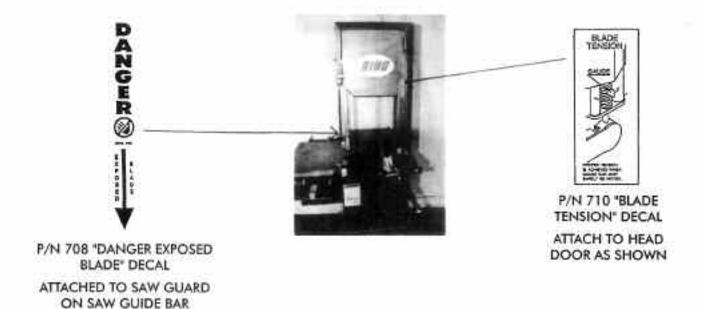
PART NO. 653SP SPANISH WARNING LABEL



ATTACH ON HEAD STRUCTURE BELOW MODEL/SERIAL NUMBER



ATTACH TO CHANNEL BRACKET NEXT TO SWITCH CONTROL BUTTONS



# ITEM NUMBER 671 WALL CHART "BAND SAW SAFETY GUIDELINES" ATTACH TO WALL IN VICINITY OF MACHINE IN EASY VIEW OF OPERATOR

# **WARNING**

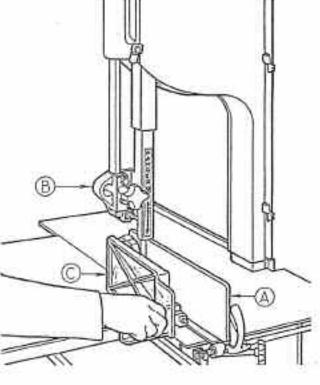
# ONLY PROPERLY TRAINED PERSONNEL SHOULD USE THIS EQUIPMENT

This Saw Contains A Sharp Blade. To Reduce Risk of Injury:

- 1. Before Using, Make Sure:
- All Warning Labels And Guards Are In Place.
- The Guide Bar (B) Is Adjusted To ½ Inch Above The Product To Be Cut
- 2. While Cutting:
- Keep Hands and Fingers Away From Blade.
- Keep Product Securely Against Gauge Plate.
- Use End Cut Pusher © When Making Final Cuts. Item No. 256P.
- 3. Before Cleaning:
- Turn Off Power and Unplug.
- Remove Saw Blade.
- Use Extra Care When Handling The Saw Blade.

## USE YOUR MEAT SAW SAFELY!

SEE PARTS AND SERVICE MANUAL SUPPLIED WITH MACHINE FOR ADDITIONAL SAFETY INFORMATION.



#### **OPERATOR'S SIGNATURE PAGE**

#### WARNING

#### READ AND UNDERSTAND THIS ENTIRE MANUAL BEFORE SIGNING BELOW

MY SIGNATURE ATTESTS THAT I HAVE COMPLETELY READ AND UNDERSTAND THIS MANUAL. I REALIZE THAT THIS MACHINE, IF OPERATED CARELESSLY, CAN CAUSE SERIOUS INJURY TO MYSELF AND OTHERS.

NAME (PRINT)	SIGNATURE	SUPERVISOR'S INITIALS	DATE

#### LIMITED WARRANTY:

WARRANTY: The BIRO Manufacturing Company warrants that Model 22 will be free from defects in material and workmanship under normal use and with recommended service. BIRO will replace defective parts, which are covered by this limited warranty, provided that the defective parts are authorized for return, shipping charges prepaid, to a designated factory for inspection and/or testing.

**DURATION OF WARRANTY:** The warranty period for all parts covered by this limited warranty is one (1) year from inspection/demonstration advised on the returned Warranty registration card, or eighteen (18) months from original factory shipping date, whichever occurs first, except as noted below.

PARTS NOT COVERED BY WARRANTY: The following are not covered by this limited warranty: steel saw cleaners, item number 131; wheel cleaners, item number 179; steel guide, item number 119A; upper saw guide, item number 602B; lower back guide, item number S608; nylon filler, item number 177. This limited warranty does not apply to machines sold as used, rebuilt, modified, or altered from the original construction in which the machine was shipped from the factory. (WATER CONTAMINATED ELECTRICAL SYSTEMS ARE NOT COVERED UNDER THIS LIMITED WARRANTY.) BIRO is not responsible for electrical connection of equipment, adjustments to switch components or any other electrical requirements, which must be performed only by a certified electrician. BIRO is not responsible for service charges or labor required to replace any part covered by this limited warranty or for any damages resulting form misuse, abuse, lack of proper or recommended service.

EXCLUSION OF WARRANTIES AND LIMITATION OF REMEDIES: BIRO gives no warranties other than those expressly stated in this limited warranty. THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR PROCESSING OF FOOD PRODUCTS, AND ALL OTHER IMPLIED WARRANTIES ARE SPECIFICALLY EXCLUDED. BIRO IS NOT LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, EXPENSES, OR LOSSES. THE REMEDIES PROVIDED IN THIS BIRO LIMITED WARRANTY ARE PURCHASER'S SOLE AND EXCLUSIVE REMEDIES AGAINST BIRO.

**REGISTRATION CARDS:** You must sign, date and complete the warranty card supplied with each machine. The warranty card must be returned to The Biro Manufacturing Company for proper registration. If no warranty card is returned to BIRO, the warranty period will begin from the date the machine was originally shipped from the factory.

#### HOW TO GET SERVICE:

- 1. Contact the agency from whom you purchased the machine; or
- Consult the yellow pages of the phone directory for the nearest authorized dealer; or
- Contact BIRO Mfg. Company for the nearest authorized service entity (250 plus worldwide) in your area.

#### THE BIRO MANUFACTURING COMPANY

1114 Main Street Marblehead, Ohio 43440-2099 Ph. 419-798-4451 Fax 419-798-9106

E-mail: Service@biro saw.com Web: http://www.birosaw.com

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