



MODEL 44TL POWER MEAT CUTTER

OPERATING AND SERVICE MANUAL

TRUE LEFT OPERATION



REVISED – Applicable to Model 44 Starting with Serial No. 3850 Except as Noted

*** IMPORTANT NOTICE ***

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

PTCT Md 44TL
368-8-13-2

OPERATING AND SERVICE MANUAL FOR BIRO MODEL 44

**WARNING TO ALL PURCHASERS, OPERATORS AND OPERATION SUPERVISORS:
FAILURE TO READ AND ADHERE TO THE FOLLOWING IMPORTANT INSTRUCTIONS COULD
RESULT IN BODILY INJURY.**

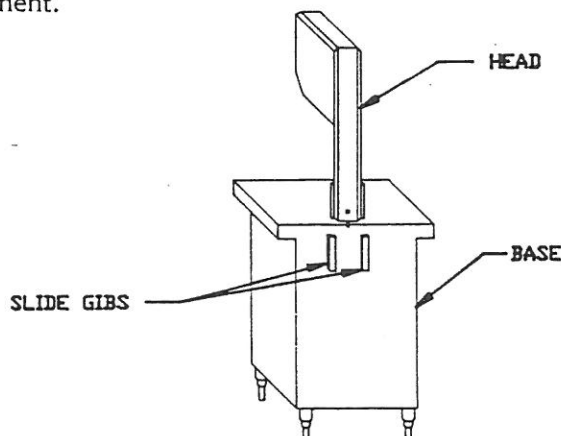
- (1) Do not electric wire this power cutter. Have only a qualified and certified electrician wire this power cutter as required. Be sure machine is grounded. Failure to ground this machine could result in electric shock.
- (2) Do not place machine on sloping floor. Always place machine on flat non-skid floor.
- (3) Do not use this power cutter for non-food products.
- (4) Do not use this power cutter to cut pigs feet.
- (5) Do not attempt to operate this power cutter until this machine has been inspected and demonstrated by the seller — recognized BIRO Representative.
- (6) Do not attempt to operate this power cutter unless you or the operator has been properly trained. Improper use or operation of this power cutter could result in bodily injury.
- (7) Do not leave power cutter in operation — unattended.
- (8) Do not tamper, bypass, remove fixed guards, safety interlock electrical switches or any other safety device.
- (9) Do not at any time force feed product through this power cutter.
- (10) Do not alter or modify this power cutter in any way from its original form. This power cutter in its original form meets the intent of O.S.H.A. applicable standards.
- (11) Always use safety pusher plate supplied with each power cutter when cutting small product.
- (12) Do not touch moving blade or moving parts. Never place hand or arm between blade and head column structure.
- (13) Always disconnect power supply before removing shrouds, removable guards, covers, doors, fences, panels for servicing, cleaning or any other reason.
- (14) Use only BIRO parts and accessories properly installed, contact your nearest service agency or The BIRO Manufacturing Company for authorized referral assistance.
- (15) Power cutter operating manuals as supplied with this power cutter are available from BIRO.

FAILURE TO COMPLY WITH THIS WARNING NOTICE COULD RESULT IN BODILY INJURY.

**THE BIRO MANUFACTURING COMPANY, 1114 WEST MAIN STREET, MARBLEHEAD, OHIO
43440-2099 U.S.A. — PHONE (419) 798-4451 — TELEX NO. 241-003**

TO ASSEMBLE AND SET UP CUTTER FOR USE:

- (1) After placing cutter in operational area, it is imperative that three of the four adjustable foot studs be tightened, using the fourth leg for adjustment to level the cutter.
- (2) To assemble meat gauge plate, Assembly Item No. A18275, Page 5, to machine loosen the wing nut on right side of meat gauge bracket, Item No. 272-6-S. Raise the right side of the meat gauge bar, Item 18272, and slip the meat gauge plate over the bar, lower bar back to its original position, tighten wing nut. Keep bar well oiled with food machine oil to insure free movement.
- (3) The stainless steel head, Item No. S18005 comes detached from the base. Slip the head into the Gib, Item No. 18260, (slide gibs) section of the base, See Page 5. Make sure the Gibs, Item No. 18260, (slide gibs) are oiled or greased to insure free movement.



(4) Place upper saw guide removable unit assembly on saw guide bar, Item No. 116-27, and fasten in place with finger lift fastener knob, Item No. 211A-291Q.

(5) Placing blade on cutter: Lift up nylon filler, Item No. 177, Page 4. Hang blade on upper wheel and hold blade on wheel with left hand. With the right hand force the back of the blade between the two steel saw cleaners, Item No. 131, located below the nylon filler, Item No. 177. Lower the nylon filler, Item No. 177, and insert back of blade in upper saw guide slot, Item No. 602. The blade has already dropped over the lower wheel and is ready for tightening. Press down on ratchet handle, Item No. 18010, to tighten. Turn wheel one turn to insure proper tracking and tighten to proper tension. When the tension gauge, Item No. 18197, located at the bottom of the head becomes tight laterally the blade is at its proper tension, Page 5.

(6) The stationary platter, Item No. A18163, is placed on top of the base and held in place with two push pull platter rods, Item No. 18212W, located on the rear rim of the cutter.

(7) The sliding meat carriage table, Item No. 18155, is removed by turning movable stop, Item No. 16200, clockwise. After the carriage is in the channel for operation turn movable stop, counter-clockwise, Page 4.

WIRING MOTOR:

(1) 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 of pulleys at time of wiring motor.

(6) The BIRO Manufacturing Company is not responsible for permanent wiring, connection or installations.

LUBRICATION:

Table Bearings: grease packed at the factory. Repack as necessary.

Meat Gauge Gear Rack: oil daily with food machine oil.

Slide Gibs: for mounting head are provided with grease fittings and should be greased every four months.

Main Bearings: grease packed at factory. Check and grease if necessary.

ADJUSTMENTS:

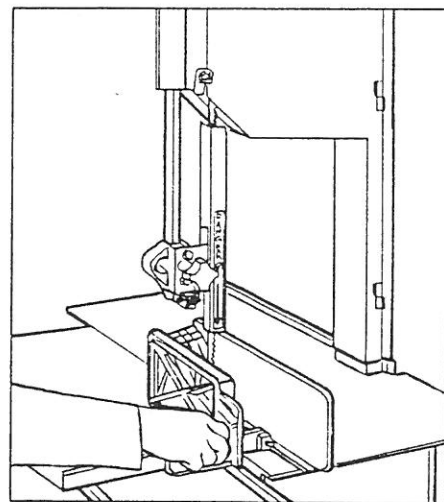
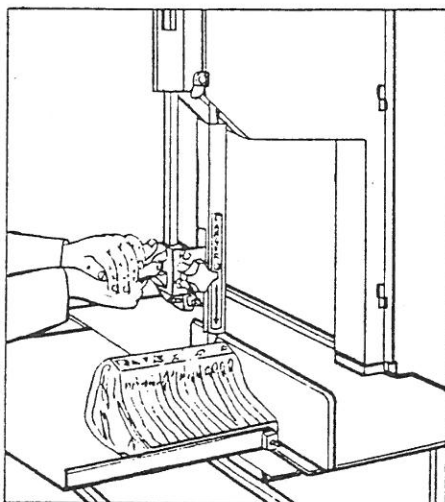
(1) For tightening motor v-belt: The motor drive belt can be tightened to any desired tension by removal of shims under motor. Recommend approximately $\frac{1}{2}$ " total flex at center of span.

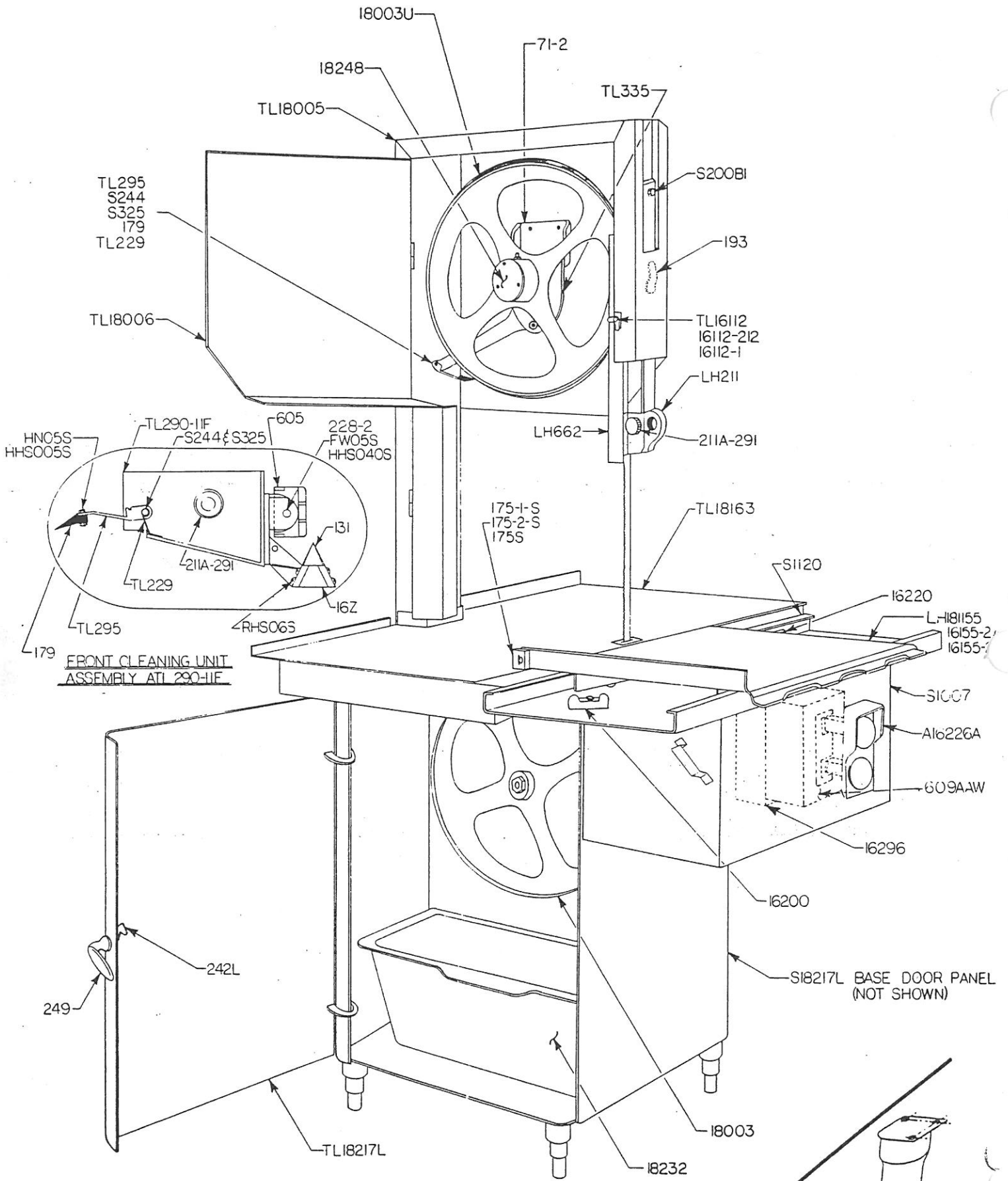
(2) Saw Guides: Should be adjusted so the guide is $\frac{1}{32}$ " from the back edge of the blade when the machine is idling. This prolongs the life of the saw wheels by reducing pressure and wear of the saw blade against the flange of the wheel.

RECOMMENDED SAFE OPERATING PROCEDURES:

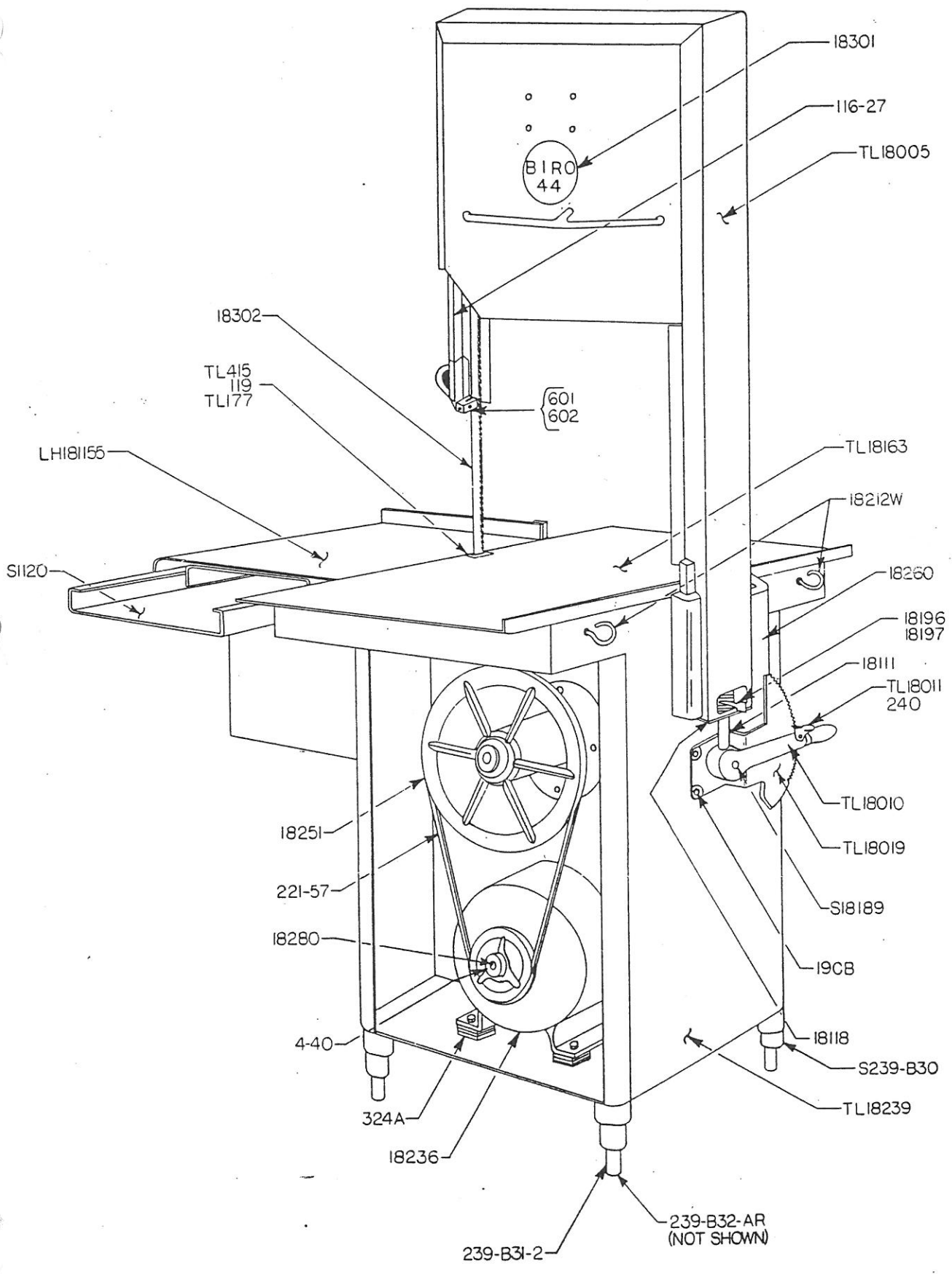
(1) Before starting saw, adjust the Saw Guide Bar down to within $\frac{1}{2}$ " of product to be cut.

(2) The 256P Safety End Cut Pusher Plate supplied with every machine as standard equipment, should be used when cutting end cuts of meat.

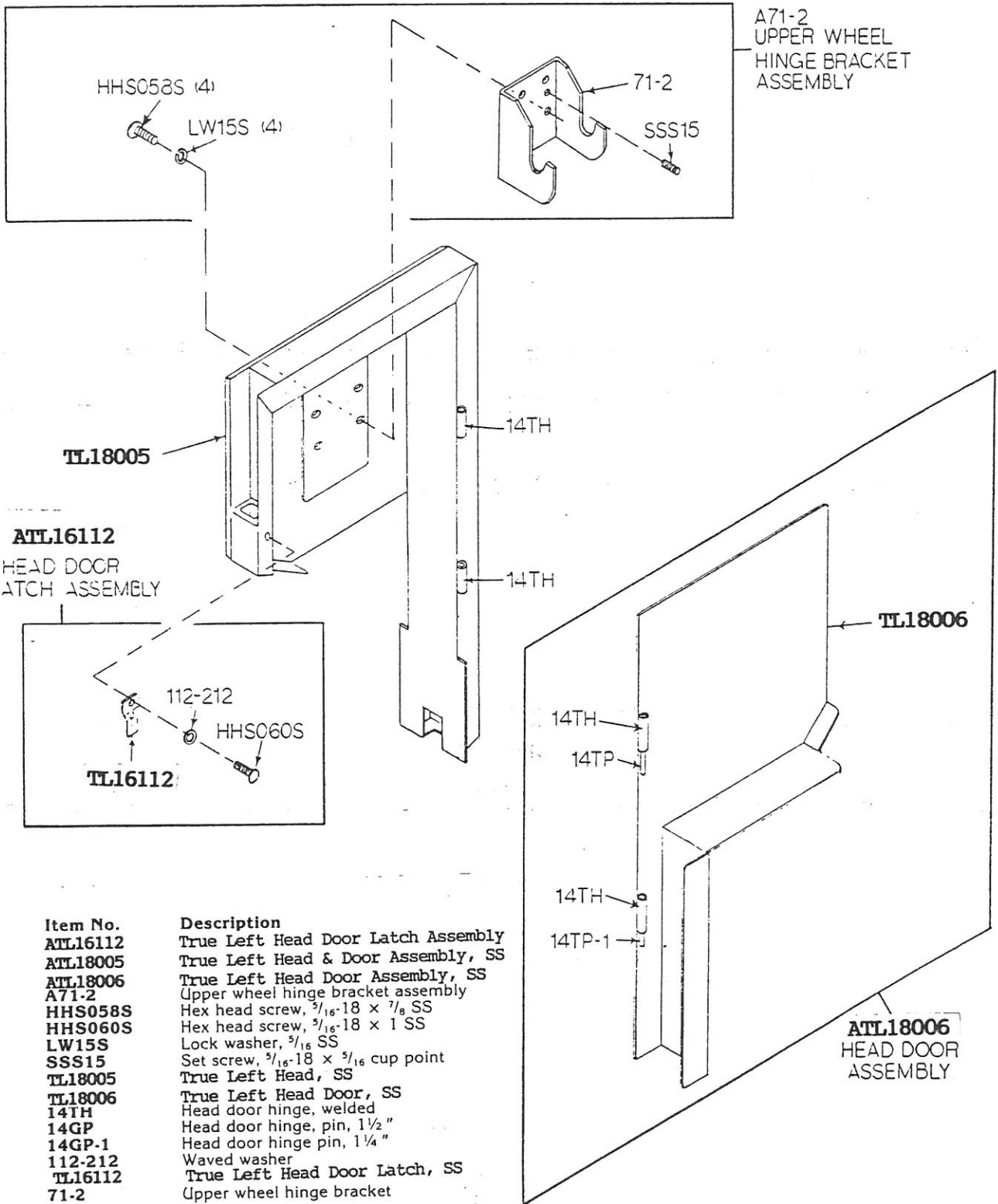




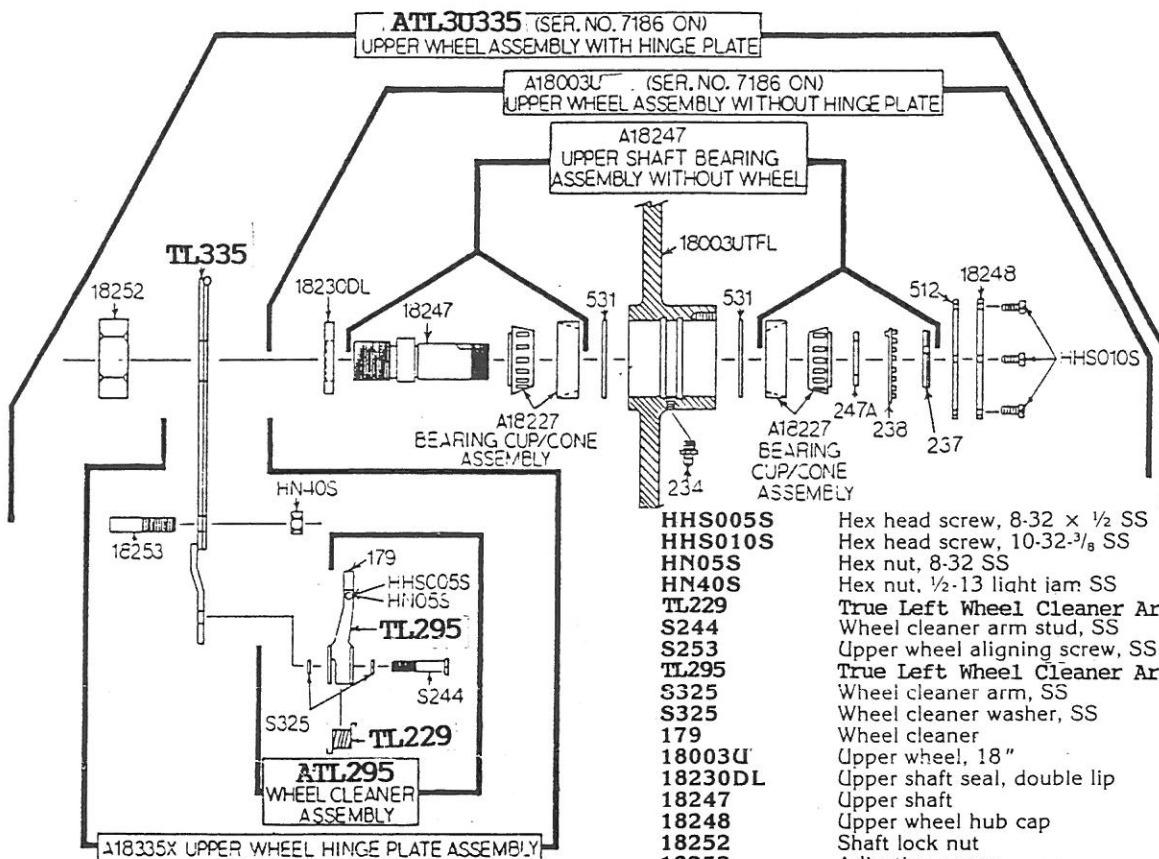
AS239-830-B
 Bolt on Base Foot
 with Fasteners can be
 Used to Avoid the Need
 for Welding Replacement



AS18006 S.S. HEAD & DOOR ASSEMBLY

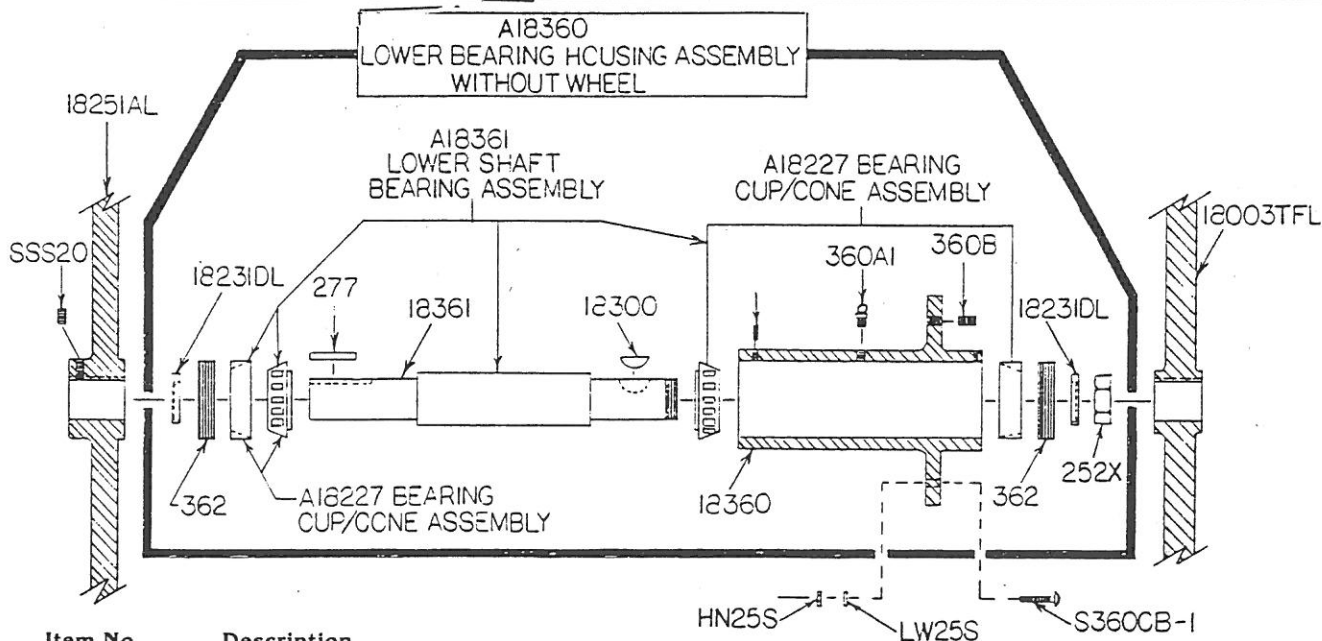


Item No.	Description
ATL16112	True Left Head Door Latch Assembly
ATL18005	True Left Head & Door Assembly, SS
ATL18006	True Left Head Door Assembly, SS
A71-2	Upper wheel hinge bracket assembly
HHS058S	Hex head screw, $\frac{5}{16}$ -18 x $\frac{7}{8}$ SS
HHS060S	Hex head screw, $\frac{5}{16}$ -18 x 1 SS
LW15S	Lock washer, $\frac{5}{16}$ SS
SSS15	Set screw, $\frac{5}{16}$ -18 x $\frac{5}{16}$ cup point
TL18005	True Left Head, SS
TL18006	True Left Head Door, SS
14TH	Head door hinge, welded
14GP	Head door hinge, pin, 1 1/2"
14GP-1	Head door hinge pin, 1/4"
112-212	Waved washer
TL16112	True Left Head Door Latch, SS
71-2	Upper wheel hinge bracket



- | | |
|-------------------|--------------------------------------|
| A18003UTFL | Upper wheel assembly w/o hinge plate |
| ATL30335 | True Left Up Wheel Assembly W/Hinge |
| A18227 | Bearing cup/cone assembly |
| A18247 | Upper shaft bearing assembly |
| TL335 | True Left Upper Wheel Hinge Plate |
| ATL295 | True Left Wheel Cleaner Assembly |

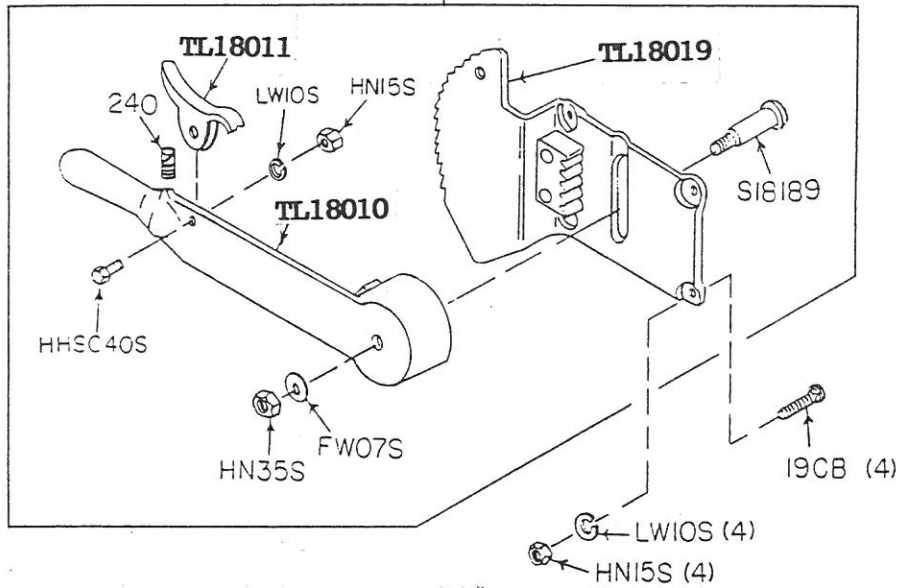
- | | |
|----------------|-------------------------------------|
| HHS005S | Hex head screw, 8-32 x 1/2 SS |
| HHS010S | Hex head screw, 10-32-3/8 SS |
| HN05S | Hex nut, 8-32 SS |
| HN40S | Hex nut, 1/2-13 light jam SS |
| TL229 | True Left Wheel Cleaner Arm Spring |
| S244 | Wheel cleaner arm stud, SS |
| S253 | Upper wheel aligning screw, SS |
| TL295 | True Left Wheel Cleaner Arm |
| S325 | Wheel cleaner arm, SS |
| S325 | Wheel cleaner washer, SS |
| 179 | Wheel cleaner |
| 18003U | Upper wheel, 18" |
| 18230DL | Upper shaft seal, double lip |
| 18247 | Upper shaft |
| 18248 | Upper wheel hub cap |
| 18252 | Shaft lock nut |
| 18253 | Adjusting screw |
| TL335 | True Left Upper Wheel Hinge Plate |
| 234 | Grease fitting |
| 237 | Upper shaft castellated lock nut |
| 238 | Upper shaft castellated lock washer |
| 247A | Upper shaft bearing back-up washer |
| 512 | Upper wheel hub gasket |
| 531 | Retaining ring (2 req.) |



- | Item No. | Description |
|-----------------|--------------------------------------|
| A18227 | Bearing cup/cone assembly |
| A18361 | Lower shaft bearing assembly |
| HN25S | Hex nut, 3/8-16 SS |
| LW25S | Lock washer, 3/8 SS |
| SSS20 | Set screw, 3/8-16 x 3/8 cup point |
| S360CB-1 | Carriage bolt, 3/8-16 x 1 1/4 SS |
| 18003TFL | Lower wheel |
| 18231DL | Lower shaft seal, double lip |
| 18251AL | Upper v-belt pulley, 12.8 x 1 1/8 AL |

- | | |
|--------------|------------------------------------|
| 18300 | Lower shaft woodruff key |
| 18360 | Lower bearing housing |
| 18361 | Lower shaft |
| 252X | Lower shaft nut |
| 277 | Lower pulley key |
| 360A1 | Grease fitting |
| 360B | Set screw, 3/8-16 x 1/2 flat point |
| 362 | Lower bearing housing adj. cap |

ATL18019
RATCHET ASSEMBLY

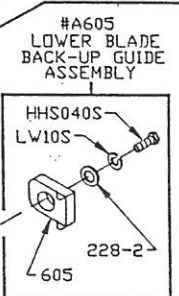
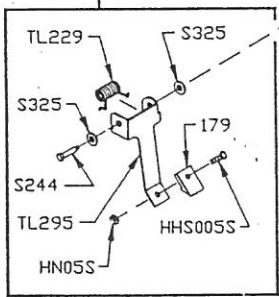


Item No.	Description
ATL18019	True Left Ratchet Assembly
FW07S	Flat washer, $\frac{3}{8}$ SS
HHS025S	Hex head screw, $\frac{1}{4}$ -20 x $\frac{1}{2}$ SS
HN15S	Hex nut, $\frac{1}{4}$ -20 SS
HN35S	Hex nut, $\frac{3}{8}$ -16 SS
LW10S	Lock washer, $\frac{1}{4}$ SS

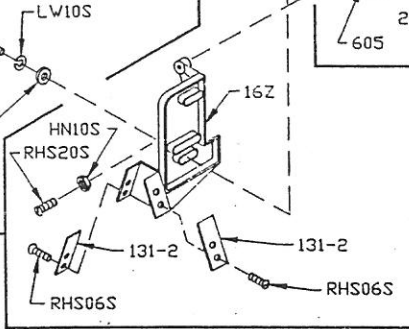
TL18011	True Left Ratchet Trigger, SS
S18189	Ratchet arm stud SS
TL18010	True Left Ratchet Arm
TL18019	True Left Ratchet Base
19CB	Carriage bolt $\frac{1}{4}$ -20 x $\frac{3}{4}$ SS
240	Ratchet trigger spring

#ATL290-11F
CLEANING UNIT
TOTAL ASSEMBLY

#ATL295
WHEEL
CLEANER
ASSEMBLY



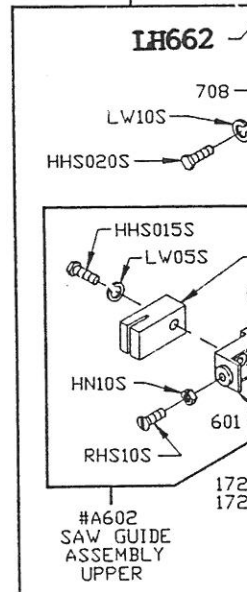
#A16Z
LOWER BLADE
BACK-UP
GUIDE &
SAW CLEANER
ASSEMBLY



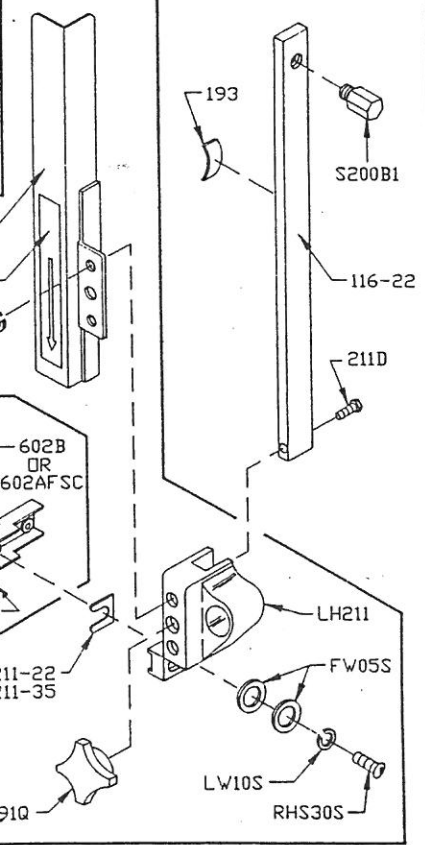
Item No.	Description
A16Z	Guide bracket saw cleaner assembly
ATL295	True Left Wheel Cleaner Assembly
A605	Lower blade back-up guide assembly
ATL290-11F	Cleaning Unit Assembly, Front
FHS20S	Flat head screw, 10-32 x 1/2 SS
FW05S	Flat washer, 1/4 SS
HHS005S	Hex head screw, 8-32 x 1/2 SS
HHS035S	Hex head screw, 1/4-20 x 3/8 SS
HHS040S	Hex head screw, 1/4-20 x 3/4 SS
HHS070S	Hex head screw, 3/8-16 x 1 SS
HN05S	Hex nut, 8-32 SS
HN10S	Hex nut, 10-32 SS
LW10S	Lock washer, 1/4 SS
LW25S	Lock washer, 3/8 SS
RHS06S	Round head screw, 8-32 x 1/4 SS
RHS20S	Round head screw, 10-32 x 1/4 SS
TL229	True Left Wheel Cleaner Arm Spring
S244	Wheel cleaner arm stud SS
TL290-11F	True Left Cleaning Unit Stamping
TL295	True Left Wheel Cleaner Arm
S325	Washer SS
TP4S	Taper pin #4 x 1 1/2 SS
131	Saw cleaner SS
16Z	Lower guide bracket saw cleaner holder
179	Wheel cleaner
211A-291Q	Fastener knob, 4 point
228-2	Lower guide washer
290-8	Cleaning unit locator washer SS
605	Saw guide lower blade back-up

ALH116-27
SAW GUIDE
BAR
ASSEMBLY

ALH18211-602
FINGERLIFT
ASSEMBLY

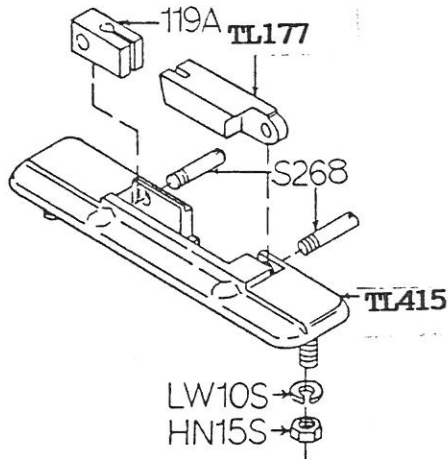


#A602
SAW GUIDE
ASSEMBLY
UPPER



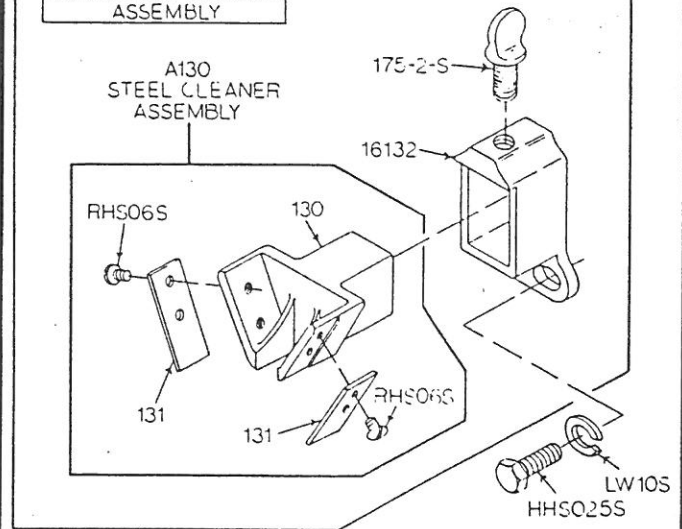
Item No.	Description
ALH116-27	Left Hand Saw Guide Bar Assembly
ALH18211-602	Left Hand Finger Lift Assembly
A602	Saw guide assembly, upper
FW05S	Flat washer, 1/4 SS
HHS015S	Hex head screw, 10-32 x 7/8 SS
HHS020S	Hex head screw, 1/4-20 x 3/8 SS
HN10S	Hex nut, 10-32 SS
LH662	Saw guard for true left head
LW05S	Lock washer, #10 SS
LW10S	Lock washer, 1/4 SS
RHS10S	Round head screw, 10-32 x 3/4 SS
RHS30S	Round head screw, 1/4-20 x 7/8 SS
S200B1	Stop stud on guide bar
116-27	Saw guide bar, 27"
LH662	Left Hand Saw Guard
17211-22	Finger lift, shim, .022
17211-35	Finger lift shim .035
193	Saw guide bar spring
LH211	Left Hand Finger Lift
211A-291Q	Fastener knob, 4 point
211D	Finger lift fastener bolt
601	Upper saw guide bracket
602A	Upper saw guide with carbide
602AFSC	Upper saw guide, narrow fish
708	Decal "DANGER EXPOSED BLADE"

ATL415
STATIONARY BAR ASSEMBLY



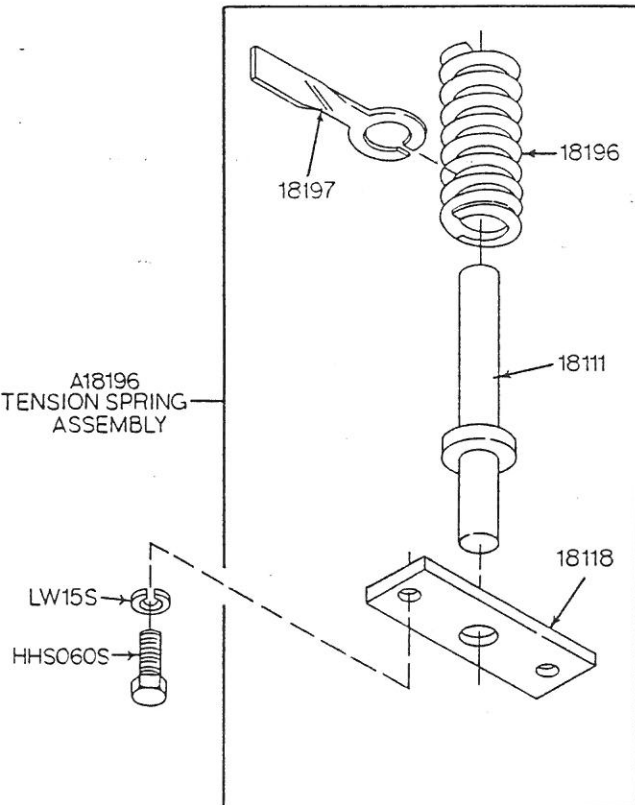
Item No.	Description
ATL415	True Left Sta. Bar Assembly, SS
HN15S	Hex nut, 1/4-20 SS
LW10S	Lock washer, 1/4 SS
S268	Stationary bar headless screw
TL415	True Left Stationary Bar, SS
119A	Saw guide in stationary bar
TL177	True Left Nylon Filler

A16132
REAR STEEL CLEANER ASSEMBLY

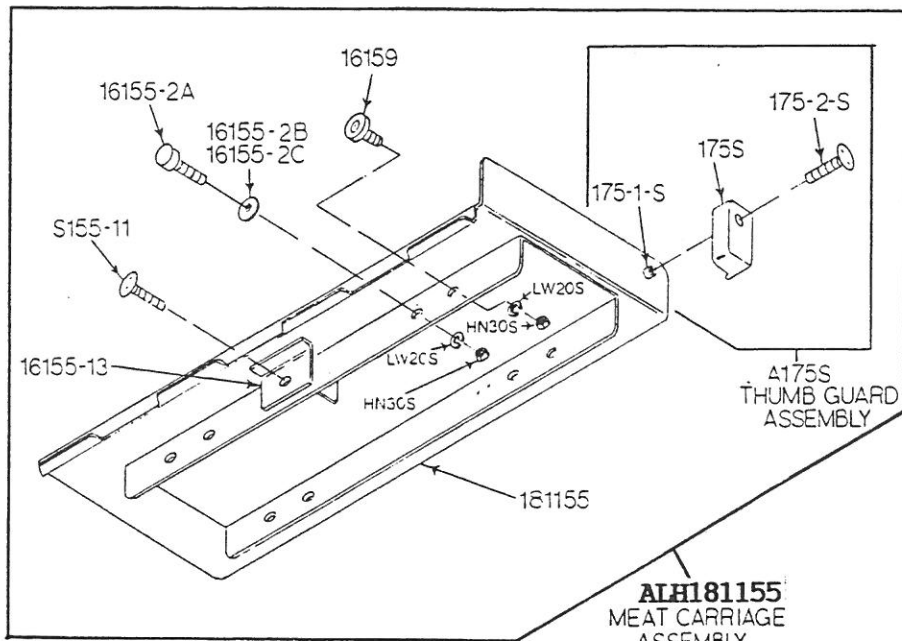


Item No.	Description
A130	Saw cleaner assembly
A16132	Steel cleaner assembly, rear
HHS025S	Hex head screw, 1/4-20 x 1/2 SS
LW10S	Lock washer, 1/4 SS
RHS06S	Round head screw, 8-32 x 1/4 SS
130	Saw cleaner bracket rear
131	Saw cleaner SS
16132	Saw cleaner bracket holder, rear
175-2-S	Thumb screw, 1/4-20 x 1/2

A18196
TENSION SPRING ASSEMBLY



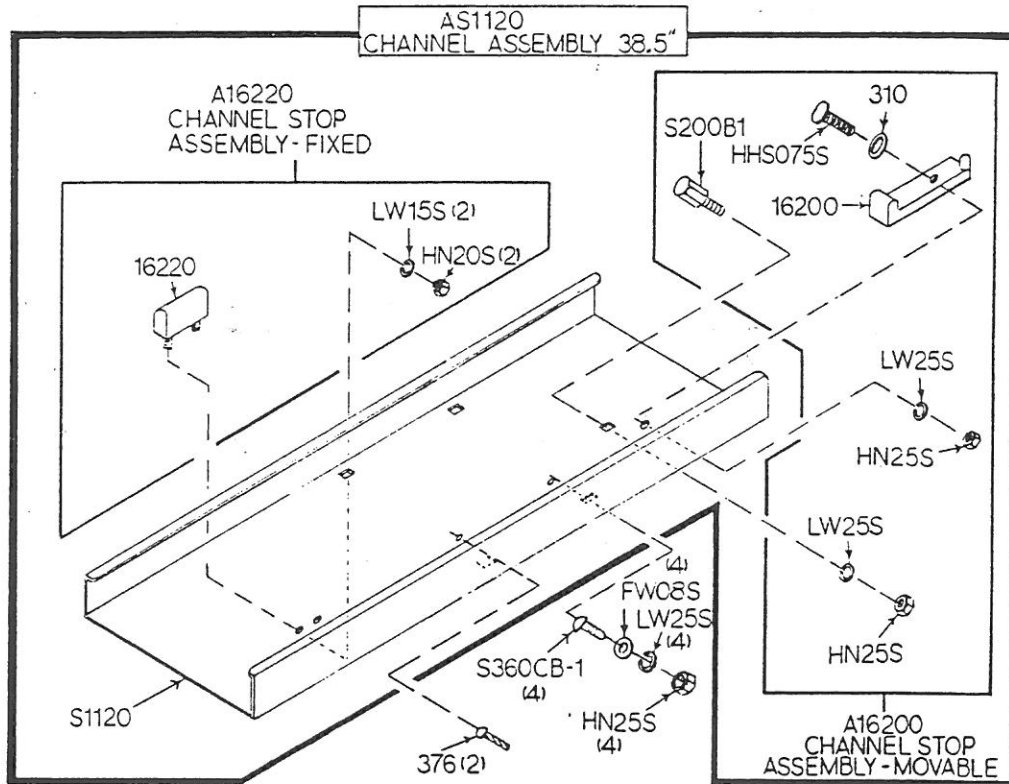
Item No.	Description
A18196	Tension spring assembly
HHS060S	Hex head screw, 5/16-18 x 1 SS
LW15S	Lock washer, 3/16 SS
18111	Tension spring pin
18118	Tension spring plate
18197	Tension spring gauge
18196	Saw tension spring



Item No.
ALH181155
A175S
HN30S
LW20S
S155-11
16155-2A
16155-2B

Description
Left Hand Meat Carriage Assembly
 Thumb guard assembly
 Hex nut, $\frac{3}{8}$ -16 light jam SS
 Lock washer $\frac{3}{8}$ light SS
 Meat carriage stop thumb screw
 Meat carriage guide
 Meat carriage guide spacer, $\frac{1}{64}$ TK

16155-2C
16155-13
16159
175S
175-1-S
175-2-S
LH181155
 Meat carriage guide spacer, $\frac{1}{32}$ TK
 Carriage stop angle SS, welded
 Meat carriage bearing SS
 Thumb guard, nylon
 Thumb guard nut SS
 Thumb screw $\frac{1}{4}$ -20 x $\frac{1}{2}$
Left Hand Meat Carriagely

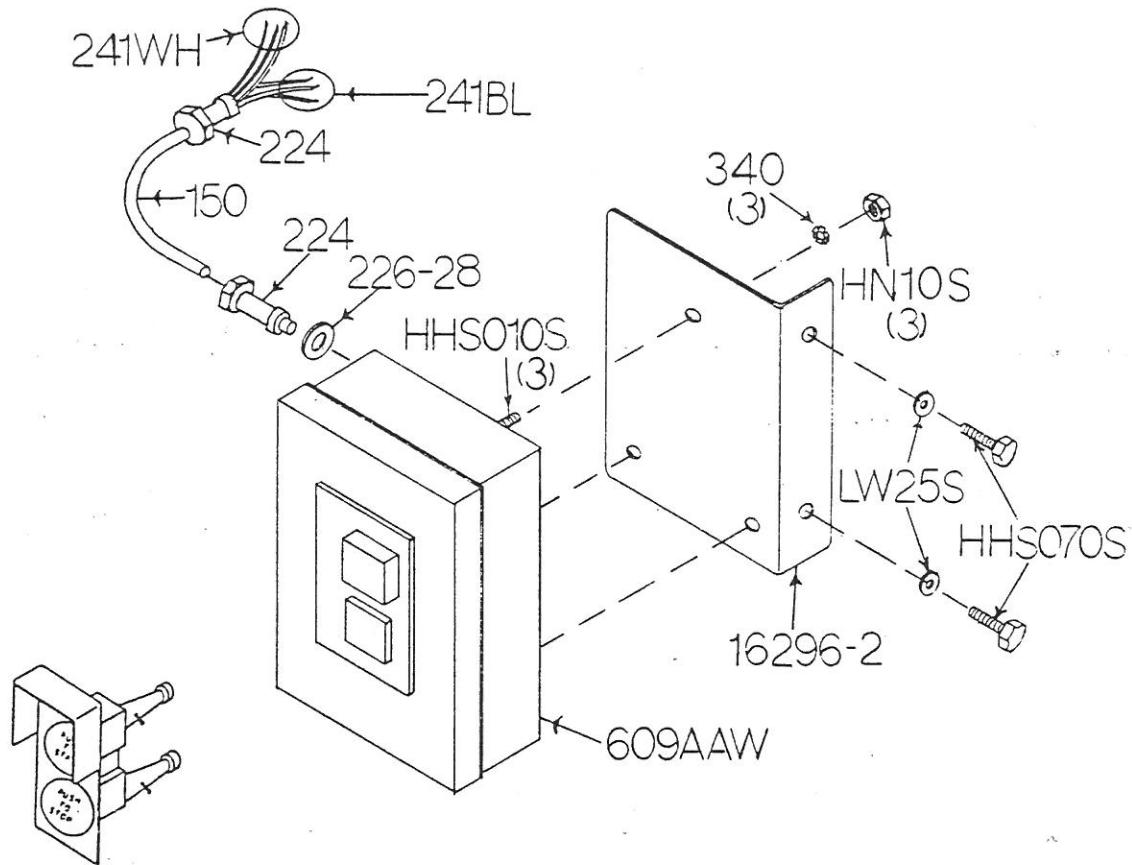


Item No.
A16200
A16220
AS1120
FW08S
FW15S
HHS075S
HN20S
HN25S
LW15S

Description
 Carriage stop assembly, movable
 Carriage stop assembly, fixed
 Channel assembly, 38.5"
 Flat washer, $\frac{3}{8}$ SS
 Flat washer, $\frac{1}{2}$ SS
 Hex head screw, $\frac{3}{8}$ -16 x $1\frac{1}{4}$ SS
 Hex nut, $\frac{5}{16}$ -18 SS
 Hex nut, $\frac{3}{8}$ -16 SS
 Lock washer, $\frac{5}{16}$ SS

LW25S
S1120
S200B1
S360CB-1
16200
16220
310
376
 Lock washer, $\frac{3}{8}$ SS
 Channel, 38.5" SS
 Carriage stop stud SS
 Carriage bolt $\frac{3}{8}$ -16 x $1\frac{1}{4}$ SS
 Carriage stop, movable
 Carriage stop, fixed
 Waved washer
 Drive screw 10 x $\frac{1}{2}$ SS

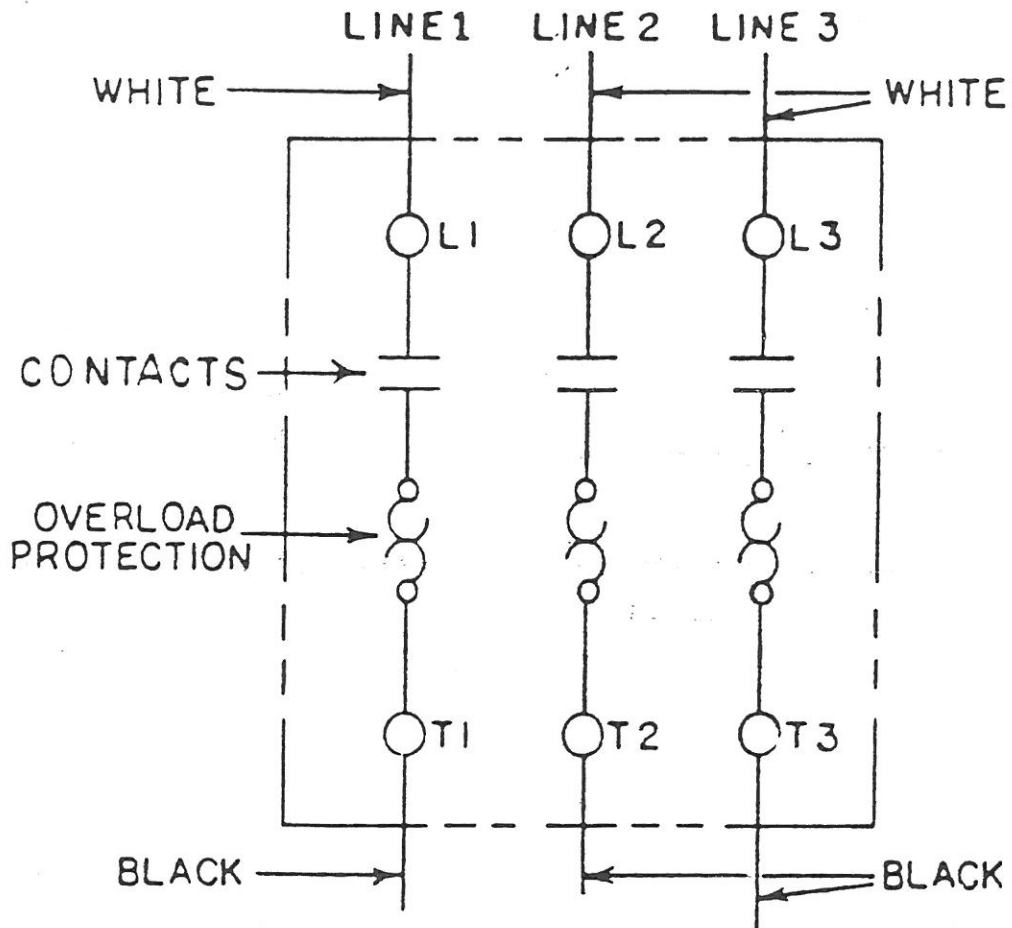
**A609AAW-18
SWITCH ASSEMBLY**



A16226A-SG

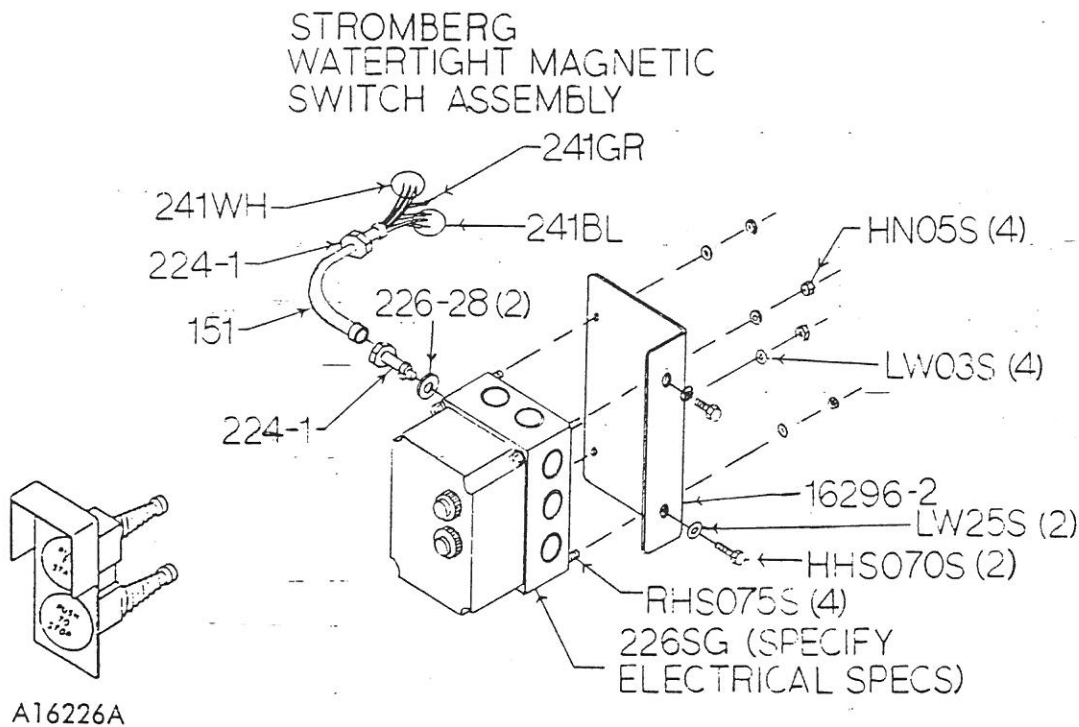
Item No.	Description
A16226A	Green/red switch button assembly w/springs
A609AAW-18	Switch assembly less heater coils
HHS010S	Hex head screw, 10-32 x 3/8 SS
HHS070S	Hex head screw, 3/8-16 x 1 SS
HN10S	Hex nut, 10-32 SS
LW25S	Lock washer, 3/8 SS
16296-2	Switch bracket SS
150	Conduit, 1/2"
224	Conduit connector, 180°
226-28	Washer SS
241BL	Wire, black, 12GA., CSA & UL
241WH	Wire, white, 12GA., CSA & UL
340	Star lock washer
609AAW	Manual switch, size 0

609AAW



**WATERTIGHT MAGNETIC SWITCH ASSEMBLIES
(STROMBERG)
INCLUDES MOUNTING BRACKET AND WIRES**

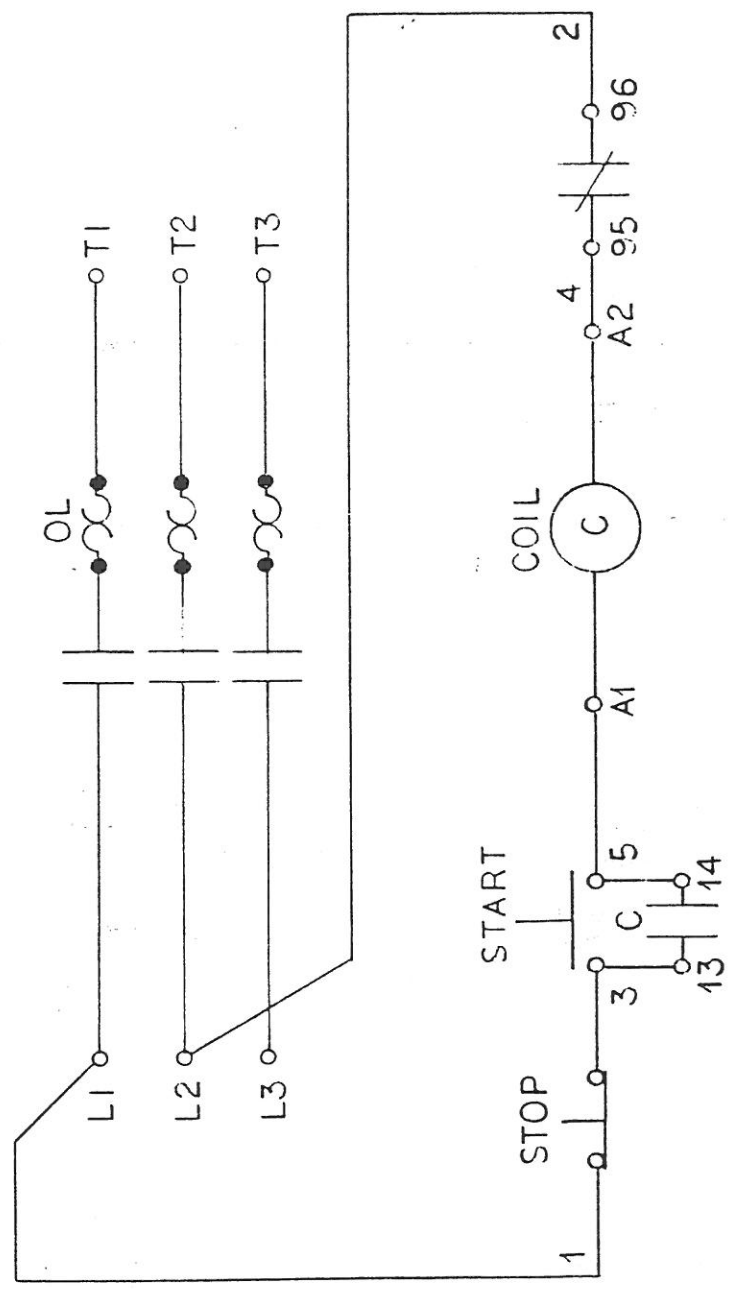
Item No.	Description
A22618SG-532	BOK/PC-PB/A12, 3HP, 208/220/230-50/60-3
A22618SG-534	BOK/PC-PB/B6, 3HP, 440/460-60-3
A22618SG-536	BOK/PC-PB/C6, 3HP, 380/415-50-3
A22618SG-538	BOK/PC-PB/D4.2, 3HP, 550/575-60-3
A22618SG-539	BOK/PC-PB/A20, 5HP, 208/230-60-3
A22618SG-542	BOK/PC-PB/A01-20, 5HP, 220-50-3
A22618SG-544	BOK/PC-PB/B10, 5HP, 440/460-60-3
A22618SG-546	BOK/PC-PB/C12, 5HP, 380/415-50-3
A22618SG-548	BOK/PC-PB/D8, 5HP, 550/575-60-3



Item No.	Description
A16226A-SG	Green/red switch button assembly
HHS070S	Hex head screw, $\frac{3}{16}$ x 1 SS
HN05S	Hex nut, 8-32 SS
LW03S	Lock washer, #8 SS
LW25S	Lock washer, $\frac{3}{8}$ heavy SS
RHS075S	Round head screw, 8-32 x $\frac{3}{4}$ SS
16296-2	Switch bracket SS
151	Watertight conduit
224-1	Conduit connector, WT, 180°
226SG-BOX	Switch box less cover
226SG-CVR-B	Switch box cover with button holes
226SG-ENCL-PB	Switch box complete with button holes
226SG-GR	Green start button
226SG-RD	Red stop button
226SG-OLK03	Overload relay, PATAM1K 3
226SG-OLK04.2	Overload relay, PATAM1K 4.2
226SG-OLK06	Overload relay, PATAM1K 6
226SG-OLK08	Overload relay, PATAM1K 8
226SG-OLK10	Overload relay, PATAM1K 10
226SG-OLK12	Overload relay, PATAM1K 12
226SG-OLK15	Overload relay, PATAM1K 15
226SG-OLK18	Overload relay, PATAM1K 18
226SG-OLK22	Overload relay, PATAM1K 22
226SG-OLK32	Overload relay, PATAM1K 32
226SG-S0AA	Contactor, Size 0, OK0W10L-208/220/230
226SG-S0BB	Contactor, Size 0, OK0W10L-440/460

Item No.	Description
226SG-S0CC	Contactor, Size 0, OK0W10L-380/415
226SG-S0DD	Contactor, Size 0, OK0W10L-550/575
226SG-S1AA	Contactor, Size 1, OK01W10L-208/220/230
226SG-S1EE	Contactor, Size 1, OK01W10L-104/115
226SG-512	BOK/PC-PB/A6
226SG-514	BOK/PC-PB/A8
226SG-516	BOK/PC-PB/B3
226SG-518	BOK/PC-PB/C4.2
226SG-520	BOK/PC-PB/E01-22
226SG-522	BOK/PC-PB/A01-12
226SG-524	BOK/PC-PB/E01-32
226SG-526	BOK/PC-PB/A01-15
226SG-528	BOK/PC-PB/B4.2
226SG-530	BOK/PC-PB/D3
226SG-531	BOK/PC-PB/A10
226SG-532	BOK/PC-PB/A12
226SG-534	BOK/PC-PB/B6
226SG-535	BOK/PC-PB/C6
226SG-538	BOK/PC-PB/D4.2
226SG-540	BOK/PC-PB/A15
226SG-541	BOK/PC-PB/A18
226SG-543	BOK/PC-PB/B8
226SG-548	BOK/PC-PB/D8
226-28	Washer, $1\frac{1}{2}$ x $\frac{27}{32}$ SS
241BL	Wire, black, 12 GA., CSA & UL
241GR	Wire, green, 12 GA., CSA & UL
241RD	Wire, red, 12 GA., CSA & UL
241WH	Wire, white, 12 GA., CSA & UL

**Model 44 Schematic Using 3PH Stromberg W.T. Switch
for 220/440 Volts, Three Phase, 60 Cycle Baldor Motor**



MODEL 44 PARTS NUMBERS AND DESCRIPTIONS

SEND IN MODEL NO. AND SERIAL NO. WHEN ORDERING PARTS

MOTOR SECTION

Item No.	Description
M76-90960-D	Motor, 2 HP, 230-60-1, open
M79-90934-D	Mtr, 3HP, 208/220/440-50/60-3opn
M82-90977-D	Mtr 3HP, 208/220/440-50/60-3, enc
M84-92106-D	Motor, 3HP, 575-60-3, open
M88-90973-D	Mtr, 5HP, 220/440-50/60-3, encap
Item No.	Description
FW05S	Flat washer, SS, 1/4 SAE
HHS060S	Hex head screw, SS, 5/16-18 x 1
S1007	Channel bracket SS #3850 on
S11	Ratchet trigger, stainless
S1120	Channel SS #3850 on
S155-11	Meat carriage stop thumb screw, SS
S155B	Meat carriage stop welded
S16296	Switch brkt, SS for 609AAW, BAW
S163F	Platter spacer weld button, SS
S18189	Ratchet arm stud, SS
S18253	Upper wheel aligning screw, SS
S200B1	Stop stud gde bar & crg stp SS
S217C	Base door hinge pin long SS
S217E	Base door hinge pin short SS
S235	Taper pin, stainless, 4 x 3/4
S239-B30	Base foot welded, SS
S244	Wheel cleaner arm stud SS
S262	Meat gauge release handle, SS
S268	Stationary bar hdless screw SS
S325	Wheel cleaner washer, SS
S360CB-1	Carriage bolt 3/8-16 x 1 1/4, SS
S416	Platter locator weld pin, SS
10A	Ratchet arm taper pin
11	Ratchet trigger, replaced by S11
112-212	Waved washer, 2 1/64 ID, 5/8 OD
116-27	Saw guide bar 27 inch
119A	Saw guide stationary bar
119FSC	Saw guide stationary bar fish
120E	Flat head screw 5/16-18 x 2" SS
130	Saw cleaner bracket rear
131	Saw cleaner SS
14TH	Head door hinge #5704 on
14TP	Headdr hinge pin long #5704 on
14TP-1	Headdr hinge pin shrt #5704 on
16Z	Lower gde brkt saw clnr holder
16112-1	HxDdbolt, SS, 5/16-18 x 1 hddr latch, replaced by HHS060S
16132	Saw cleaner brkt holder rear
16155-13	Carriage stop angle SS
16155-2A	Meat carriage guide
16155-2B	Meat carriage guide spacer 1/64
16155-2C	Meat carriage guide spacer 1/32
16159	Meat carriage bearing
16200	Carriage stop movable
16220	Carriage stop fixed
16226A-5	Switch button plate rivet
16226A-6	Switch button speed nut
16226A-8	Switch buttonhole filler plate
16296	Switch bracket 609AAW, BAW, replaced by 16296-2
16296-1	Switch bracket mag 709AAA, AAT, replaced by 16296-2

Item No.	Description
16296-2	Switch bracket, SS
163A	Platter rod clip
163F	Platter spacer weld button use S163F
163K	Platter spacer strip, repl. by 18163L
17-3	Fngrlift wshr, 3/16 x .276 x .104, use FW05S
17Z	Replaced by A116-27 & 661-1
17Z-1	Upper saw guide plate
17211-22	Finger lift shim .022
17211-35	Finger lift shim .035
175-1-S	Thumb guard nut, SS
175-2-S	Thumb screw 1/4 D x 1/2 long
175S	Thumb guard, nylon
179	Wheel cleaner
18001	Upper main bearing spacer
18003TFL	Lower saw wheel 18 inch, teflon
18003UTFL	Upper saw wheel 18 inch, teflon
18111	Tension spring pin
18118	Tension spring plate
18163B	Platter neck guard
18163B-1	Platter neck guard, ENGLAND
18163L	Platter spacer strip channel, SS
18196	Tension spring
18197	Tension spring gauge
18212W	Platter rod
18228	Replaced by A116-27 & 661-1
18230DL	Upper shaft seal, double lip
18231DL	Lower shaft seal, double lip
18232	Scrap bucket
18239FB	Motor base plate adjustable
18247	Upper shaft
18248	Upper wheel hub cap
18251AL	Up v-belt pulley 12.8 x 1 1/8, aluminum
18252	Upper shaft lock nut
18260	Slide gib, aluminum
18272	Meat gauge gear rack
18273	Meat gauge bracket
18275	Meat gauge arm
18275-2	Meat gauge plate
18280	Motor shaft key
18300	Lower shaft woodruff key
18301	Name plate, round
18302	Saw blade, 135 inch
18305	Saw guide bar stop in head
18308	Model number plate, Ser. No. required
18311	Rubber bumper for stops
18313-105	Operating manual
18335X	Upper wheel hinge plate
18360	Lower bearing housing
18361	Lower shaft
19CB	Ratchetbase carriage blt, 3/4 SS
193	Saw guide bar spring
211A-291	Fngrlift clngunit knob — 3/8 short, replaced by 211A-291Q
211A-291Q	Finger lift fastener knob, plastic, 4 point
211D	Finger lift fastener bolt 3/8-16 x 1 3/4
212CP	Hold down rod cotter
221-57	V-belt, 57 inch
224	Conduit connector 180°
228-1	Replaced by A116-27 & 661-1
228-2	Lwr saw guide washer, 1/4 x 7/8 x 1/16
234	Grease fitting upper wheel
237	Up shaft castellated lock nut
238	Up shaft castld lock nut washer

Item No.	Description
239-B30-1	Base foot, carbon, replaced by S239-B30
239-B31-2	Pipe leg, aluminum, 6"
239-B32-AR	Pipe leg cap
239-B34	Base foot insert w/sleeve, SS
240	Ratchet trigger spring
242R	Base door lock, right
247A	Upper shaft washer
249	Base door handle
252X	Shaft lock nut
256P	Safety pusher plate, compostn
256PM	Safety pusher plate, aluminum
259	Anti-short bushing 1/2
264-1	Meat gauge hand wheel
264G	Meat gauge hand whl groove pin
265	Meat gauge release spring
267	Meat gauge release cotter key
270	Meat gauge release pin
271	Meat gauge worm gear
272-6-S	Meat gauge bracket wing nut
275THS	Truss head screw, 1/4-20 x 3/8
275THS-1	Truss head screw, 1/4-20 x 1
277	Lower shaft key
290-7	Cleaning unit locator button use 290-8K
290-8K	Cleaning unit locator kit
292	Switch rod knob
296-10	Switch bracket 709BAA 5HP

Item No.	Description
296-3	Sw bracket, ACW, BCW, AAA1, TAA1
296A	Switch bracket, England & Norway
299L	Saw guide bar stop long
310	Waved wshr mvblcrgr stp hddrck
324A	Motor shim 1/8 inch
334-6-S	Nylon saw rider
340	Star lock washer
360A1	Lower brg hngng angl grease fit
360B	Lower brg hngng tilt set screw
362	Lower bearing housing cap
374	M-6 Lubriko grease, 14 oz. can
375	Drive screw, name & model plate
376	Drive screw #10 x 1/2, SS
4-40AL	Motor pulley 5 x 1, aluminum
415D	Stationary bar
416	Platter locator weld pins, use S416
512	Upper wheel hub gasket
601	Upper saw guide bracket
602A	Saw guide upper
602AFSC	Saw guide upper bracket, fish
605	Saw guide, lower blade back-up
71-2	Upper wheel hinge bracket

COMPLETE ASSEMBLIES FOR MODEL 44

Item No.	Description	Item No.	Description
A130	Saw cleaner assembly	A18227	Main brg cup/cone assem up & lwr
A16Z	Guide brkt saw cleaner assem	A18247	Upr shaft brg assem w/o wheel
A16200	Channel stop assembly movable	A18275	Meat gauge plate assembly
A16220	Channel stop assembly fixed	A18360	Lower bearing housing assembly, w/o wheel
A16226A	Green/red sw button assem, w/spring	A211	Finger lift assembly removable
A18003UTFL	Up whl assem w/o hinge plate, teflon	A249R	Base door handle assem right
A18003UTFL335	Up whl assem w/hinge plate, teflon	A262	Meat gauge release assembly
		A602	Saw guide assembly upper

TRUE LEFT PART NUMBERS AND DESCRIPTIONS

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
LH181155	Left Hand Meat Carriage	TL18019	True Left Ratchet Base
LH211	Left Hand Finger Lift	TL18217L	True Left Hinged Base Door, SS
LH662	Left Hand Saw Guard	TL18239	True Left Base, SS
TL16112	True Left Head Door Latch, SS	TL229	True Left Wheel Cleaner Arm Spring
TL177	True Left Nylon Filler	TL290-11F	True Left Cleaning Unit Stamping
TL18005	True Left Head, SS	TL295	True Left Wheel Cleaner Arm
TL18006	True Left Head Door, SS	TL335	True Left Upper Wheel Hinge Plate
TL18010	True Left Ratchet Arm	TL415	True Left Stationary Bar, SS
TL18011	True Left Ratchet Trigger, SS		

COMPLETE TRUE LEFT ASSEMBLIES

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
ALH116-27	Left Hand Saw Guide Bar Assembly	ATL18019	True Left Ratchet Assembly
ALH181155	Left Hand Meat Carriage Assembly	ATL18163	True Left Platter Assembly
ALH18211-602	Left Hand Finger Lift Assembly	ATL290-11F	Cleaning Unit Assembly, Front
ATL16112	True Left Head Door Latch Assembly	ATL295	True Left Wheel Cleaner Assembly
ATL18005	True Left Head & Door Assembly, SS	ATL3U335	True Left Up Wheel Assembly W/Hinge
ATL18006	True Left Head Door Assembly, SS	ATL415	True Left Sta. Bar Assembly, SS

CLEANING

▲ WARNING

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.

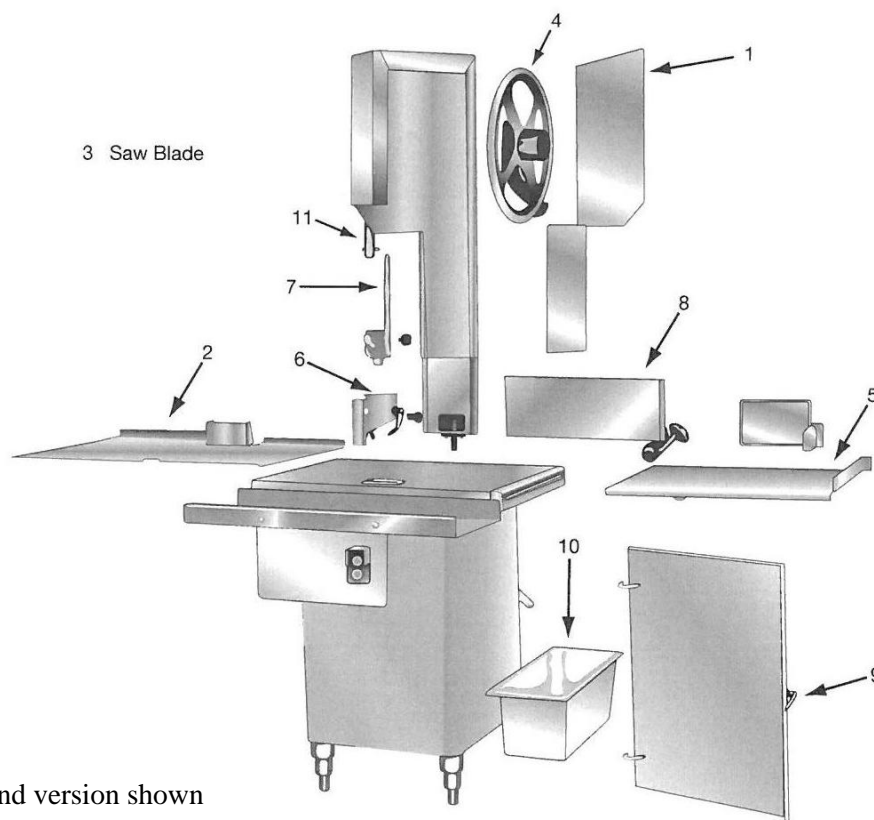
ONLY Use Recommended Cleaning Equipment, Materials and Procedures.

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 parts on the cleaning system in good condition. Parts on the cleaning system which should be checked weekly, and changed as required as follows: Wheel Cleaners (Part No. 179), Saw Cleaners (Part No. 131), Saw Guide in Stationary Bar (Part No. 119A), Upper Saw Guide (Part No. 602B), Lower Blade Back-Up Guide (Part No. 605) and Nylon Filler (Part No. 177).



Right hand version shown

LIMITED WARRANTY:

WARRANTY: The BIRO Manufacturing Company warrants that the Model 44TL Power Meat Cutter 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 date of Inspection/Demonstration as advised on the returned Warranty Registration card, or eighteen (18) months from original factory ship date, whichever occurs first, except as noted below.

PARTS NOT COVERED BY WARRANTY: The following are **not** covered by this limited warranty: wearable parts on the cleaning system such as wheel cleaners (Item No. 179), saw blade cleaners (Item No. 131), blade backup guides (Item No's. 602B, 605 and 119A), and the nylon filler (Item No. 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 the switch controls 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 from 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 warranty registration 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
2. Consult the yellow pages of the phone directory for the nearest authorized dealer; or
3. Contact BIRO Mfg.Co. for the nearest authorized service agency in your area.

THE BIRO MANUFACTURING COMPANY

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