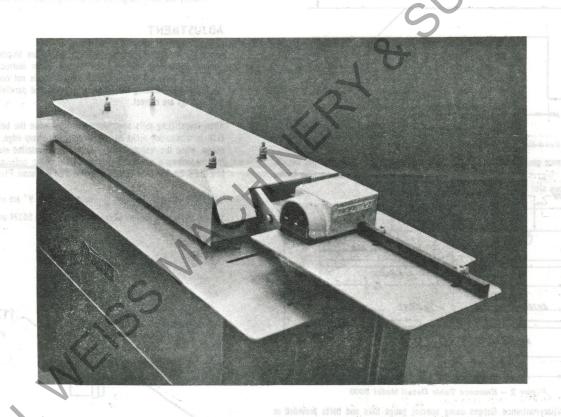
Operating Instructions

"S" Cleat Cutter Attachment

for

8900 Series Super Speed Cleatformer



LOCKFORMER

Where the Machines of Tomorrow are Made Todaysm

PHONE: (718) 605-0395

Maximum Capacity of Unit: 22 Ga. Galv. (.0350" Material)
Minimum Length of Cleat to be cut: 9" minimum

Note: "S" Cleat Slitting attachments supplied with Super Speed Cleatformer (Model 8900) can be mounted by starting with Step No. 4. All Auxiliary gauges are factory set and should not require any further adjustments.

TO INSTALL ON SERIES 8900 SUPER SPEED CLEATFORMER

1. Remove present cover and notch entrance end per sketch as required.

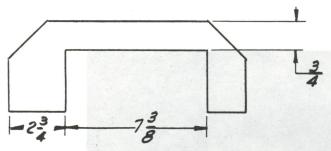
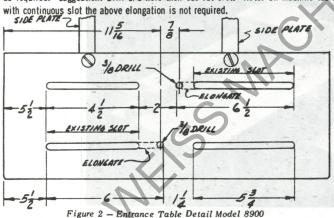


Figure 1 - Feed-End View of Cover of Super Speed Cleatformer Model 8900

 Remove entrance gauge bars of present "S" Cleat and elongate table lots per sketch, as required. Suggestion: Drill 3/8 hole then cut out slot. Note: On machine tables with continuous slot the above elongation is not required.



 Replace Auxiliary entrance Gauges using special gauge bars and bolts provided in carton. Reset gauges as outlined in Chart I and in Super Speed Machine operating instructions.

TO OPERATE "S" CLEAT CUTTER ATTACHMENT

- 1. Check settings and make sure all mounting bolts are tight.
- 2. Start machine and place the material against the entrance gauge bar of the slitting attachment and feed the stock into the slitting rolls. The slit material will automatically deflect downward to the forming roll while the piece in the operator's hand will deflect upward to clear the machine. The slitter will cut straight as long as the material which has not gone thru the slitting rolls is held against the entrance gauge har.

Note: When running long sheets it is advisable that the sheet be supported at approximately the same height as the slitting attachment entrance table.

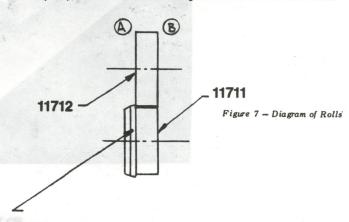
ADJUSTMENT

The slitter is properly adjusted and tested before shipment. Should the gauge accidentally become misaligned, refer to installation instructions paragraph 5 on 8900. If the cleat runs out or if material distribution is not correct, check the mounting of the attachment making sure the unit is mounted parallel to the machine side plates and settings are correct.

When the slitting rolls need resharpening remove the bottom roll and grind it on the O.D. to remove any nicks and present a clear sharp edge. The top roll has two cutting edges, when the resharpened lower roll is reinstalled merely reverse the side of the roll presenting a new cutting edge. Note: When ordering parts for this unit, please SPECIFY the SERIAL NUMBER stamped on the name Plate.

CAUTION: Machine will jam if pieces less than 9" are used.

In case of jam-up, remove sheet deflector casting 56574 and remove material from unit.



Grind this surface on center reverse top roll cutting edge A to B.

Where the Machines of Tomorrow are Madi

MY OGDEN AVENUE

ENTRANCE GAUGE TABLE SETTINGS SUPER SPEED CLEATFORMER MODEL 8900

For aligning entrance Gauge Bars refer to Drawing No. 3 for Dimensions and Settings.

-	ш	A	D	T	1	

CHART I						
AUX. ROLL SETS	LOCATION	MACHINE	ENTRANCE GAUGE TO BE USED	ENTRANCE GAUGE SETTIN FROM EDGE OF ROLL		
5/16 Pittsburgh	Gear Side	Super Speed Cleatformer	PT. NO. 52907	1-11/16" / 1-3/4"		
Type L & S Double Seam	Gear Side	Super Speed Cleatformer	PT. NO. 52907	Type \$ 1-1/8" Type L 1-5/16"		
Standing Seam	Gear Side	Super Speed Cleatformer	PT. NO. 52907	2"		
24 Female Button Lock	Gear Side	Super Speed Cleatformer	PT. NO. 52907	2-3/32" / 2-5/32"		
Drive Cleat	Gear Side	Super Speed Cleatformer	PT. NO. 52907	2-1/8"		
3 in 1	Gear Side	Super Speed Cleatformer	PT. NO. 52908	Top Step 2-1/16" Middle Step 1-1/2" Bottom Step 15/16"		
2 in 1	Gear Side	Super Speed Cleatformer	PT. NO. 52909	Top Step 2-1/16" Bottom Step 1-1/2"		
24 Female Button Lock	Plate Side	Super Speed Cleatformer	PT. NO. 52907	2-3/32" / 2-5/32"		
Drive Cleat	Plate Side	Super Speed Cleatformer	PT. NO. 52907	2-1/8"		
3 in 1	Plate Side	Super Speed Cleatformer	PT. NO. 52908	Top Step 2-1/16" Middle Step 1-1/2" Bottom Step 15/16"		
2 in 1	Plate Side	Super Speed Cleatformer	PT. NO. 52909	Top Step 2-1/16" Bottom Step 1-1/2"		

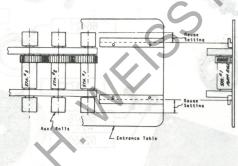
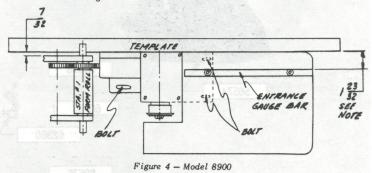


Figure 3 - Model 8900-Refer to Chart I, Entrance Gauge Table Settings:

Note: There is an interference when using standard 2 in 1 and 3 in 1 Entrance Gauge
Bars when the slitter is attached to the machine. It will, therefore, be necessary
to furnish a special Entrance Gauge Bar for this operation. We will need the
Serial No. of the machine and the type of rolls (2 in 1 or 3 in 1) for which the
gauge bar is required. Please return the existing Gauge Bar for credit. New
entrance gauge bar will be furnished from Lockformer, Chicago Factory.

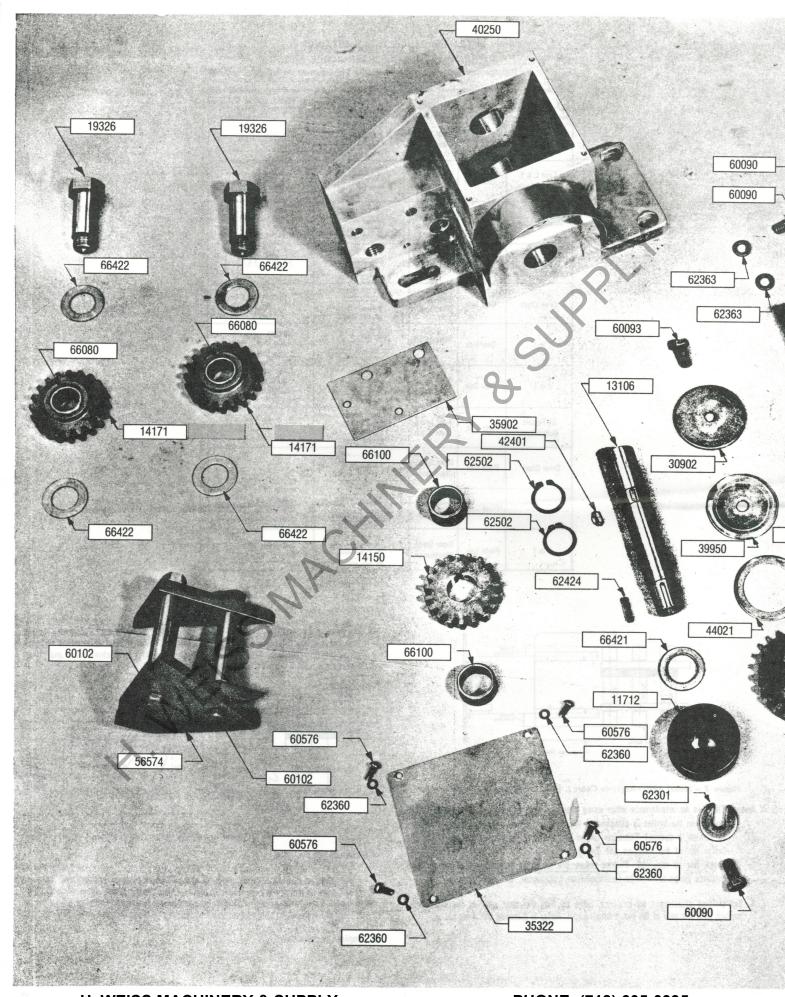
4. Set slitting attachment on entrance table so that the spur gear of the attachment meshes with the gear of the No. 1 forming roll. Refer to Drawing No. 4 for set-up. 5. By placing the template furnished across the back of the slitting attachment, casting and the machine plate, bolt in place per sketch: Note: 7/32** Dimension is fabricated into the template. Template edges must be parallel to Machine plate and slitter attachment casting.



Alternate Set-Up Procedure:

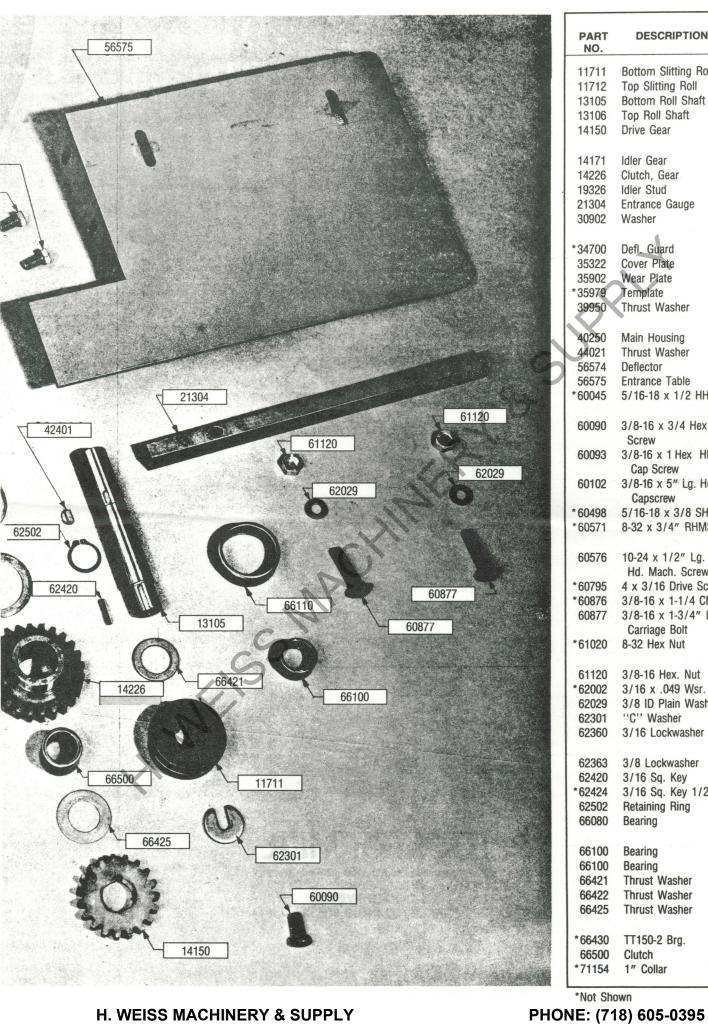
Place straight edge across the back of the slitter attachment casting and measure 7/32" from straight edge to machine plate. Take measurements at least 12" apart to insure slitter attachment is parallel to machine plate: Note: Entrance gauge bar is factory set and should not need adjustment. Setting is given for reference only.

6. Replace machine cover.



H. WEISS MACHINERY & SUPPLY

PHONE: (718) 605-0395



11711 Bottom Slitting Roll 11712 Top Slitting Roll 113105 Bottom Roll Shaft 13106 Top Roll Shaft 13106 Top Roll Shaft 14150 Drive Gear 2 14171 Idler Gear 2 Clutch, Gear 19326 Idler Stud 2 21304 Entrance Gauge 30902 Washer 1 *34700 Defl. Guard 35322 Cover Plate 35902 Wear Plate 1 Template 1 Thrust Washer 1 Template 1 Thrust Washer 2 Thrust Washer 1 Thrust Washer 1 Thrust Washer 1 Thrust Washer 2 Thrust Washer 3 Thrust Washer 1 Thrust Washer 2 Thrust Washer 2 Thrust Washer 2 Thrust Washer 3 Thrust Washer 2 Thrust Washer 3 Thrust Washer 3 Thrust Washer 4 Thrust Washer 5 The Roman Arable Streen 4 Thrust Washer 5 The Roman Arable Streen 4 Thrust Washer 5 Thrust Washer 5 Thrust Washer 6 Thrust Washer 7 Thrust Washe	PART NO.	DESCRIPTION	REQ. PER UNIT
13105 Bottom Roll Shaft 13106 Top Roll Shaft 13106 Top Roll Shaft 14150 Drive Gear 2 14171 Idler Gear 14226 Clutch, Gear 19326 Idler Stud 2 21304 Entrance Gauge 1 30902 Washer 1 *34700 Defl_ Guard 35322 Cover Plate 35902 Wear Plate 1 *35979 Template 39950 Thrust Washer 1 40250 Main Housing 1 Thrust Washer 2 Toolog Screw 4 Toolog Screw 4 Toolog Screw 5 Toolog Screw 5 Toolog Screw 6 Toolog Screw 6 Toolog Screw 5 Toolog Screw 6 Toolog Screw 1 Toolog Screw 6 Toolog Screw 1 Toolog Screw 2 Toolog Screw 1 Toolog Screw 2 Toolog Screw 1 Toolog Screw 1 Toolog Screw 1 Toolog Screw 2 Toolog Screw 2 Toolog Screw 1 Toolog Screw 2 Toolog Screw 3 Toolog Screw 2 Toolog Screw 2 Toolog Screw 3 Toolog Screw 4 Toolog Screw 5 Toolog Screw	11711	Bottom Slitting Roll	1
13106 Top Roll Shaft 14150 Drive Gear 2 14171 Idler Gear 14226 Clutch, Gear 19326 Idler Stud 2 21304 Entrance Gauge 1 30902 Washer 1 *34700 Defl. Guard 35322 Cover Plate 1 35902 Wear Plate 1 35902 Wear Plate 1 1 *40250 Main Housing 1 4021 Thrust Washer 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 60093 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 60877 3/8-16 x 1-1/4 CB 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62360 3/16 Sq. Key 1 *62424 3/16	11712		1
14171 Idler Gear 2 14226 Clutch, Gear 1 19326 Idler Stud 2 21304 Entrance Gauge 1 30902 Washer 1 *34700 Defl. Guard 1 35322 Cover Plate 1 35902 Wear Plate 1 *35970 Template 1 *39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 1 56575 Entrance Table 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 61202 3/16 x .049 Wsr. 2 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62	13105		
14171 Idler Gear 14226 Clutch, Gear 19326 Idler Stud 2 21304 Entrance Gauge 30902 Washer *34700 Defl_ Guard 35322 Cover Plate 35902 Wear Plate 1 35902 Wear Plate 1 35978 Template 39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 56575 Entrance Table 1 60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 1-1/2 HHCS 2 60090 3/8-16 x 5" Lg. Hex. Capscrew 2 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 60498 5/16-18 x 3/8 SHCS 1 60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 60795 4 x 3/16 Drive Scr. 2 60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 62002 3/16 x 0.49 Wsr. 62002 3/16 X 0.49 Wsr. 62002 3/16 X 0.49 Wsr. 62002 3/16 Sq. Key 1 62301 "C" Washer 2 62301 "C" Washer 2 62301 3/16 Sq. Key 1 62424 3/16 Sq. Key 1 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 66100 Bearing 66425 Thrust Washer 4 66430 TT150-2 Brg. 1 66500 Clutch 1		•	
14226 Clutch, Gear 19326 Idler Stud 2 21304 Entrance Gauge 30902 Washer *34700 Defl_ Guard 35322 Cover Plate 35902 Wear Plate 1 35902 Wear Plate 1 35905 Thrust Washer 1 40250 Main Housing 4021 Thrust Washer 1 56574 Deflector 56575 Entrance Table 1 60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 60093 3/8-16 x 3/4 Hex Cap Screw 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 60498 5/16-18 x 3/8 SHCS 1 60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 60795 4 x 3/16 Drive Scr. 2 60876 3/8-16 x 1-1/4 CB 3 3/8-16 x 1-1/4 CB 3 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 61120 3/8-16 Hex. Nut 2 62029 3/8 ID Plain Washer 62361 3/8 Lockwasher 4 62363 3/8 Lockwasher 62420 3/16 Sq. Key 1 62361 Thrust Washer 62424 3/16 Sq. Key 1 62424 3/16 Sq. Key 1 62502 Retaining Ring 66100 Bearing 66100 Bearing 66100 Bearing 66421 Thrust Washer 1 66430 TT150-2 Brg. 66500 Clutch 1	14150	Drive Gear	2
19326 Idler Stud 2 21304 Entrance Gauge 1 30902 Washer 1 *34700 Defl. Guard 1 35322 Cover Plate 1 35902 Wear Plate 1 35979 Template 1 39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 1 56575 Entrance Table 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 5" Lg. Hex. CapScrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62301 "C" Washer 2 62303 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66100 Bearing 3 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	14171	Idler Gear	
21304 Entrance Gauge 30902 Washer 1 *34700 Defl. Guard 35322 Cover Plate 35902 Wear Plate 1 *35979 Template 39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 56575 Entrance Table 60045 5/16-18 x 1/2 HHCS 60090 3/8-16 x 3/4 Hex Cap Screw 60093 3/8-16 x 1 Hex HD Cap Screw 1 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 60877 3/8-16 x 1-1/4 CB 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62002 3/16 x .049 Wsr. 2 62301 "C" Washer 2 62301 "C" Washer 2 62303 3/8 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62425 Thrust Washer 2 66400 Bearing 3 66100 Bearing 1 66421 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66500 Clutch 1		,	
30902 Washer 1 *34700 Defl_ Guard 1 35322 Cover Plate 1 35902 Wear Plate 1 *35979 Template 1 39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 1 56575 Entrance Table 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 1 Hex HD Cap Screw 1 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62301 "C" Washer 2 62301 "C" Washer 2 62303 3/16 Lockwasher 5 62420 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66100 Bearing 3 66421 Thrust Washer 2 66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1			
*34700 Defl. Guard 1 35322 Cover Plate 1 35902 Wear Plate 1 *35979 Template 1 39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 1 56575 Entrance Table 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 1 Hex HD Cap Screw 1 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62301 "C" Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 5 62420 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 3 66100 Bearing 3 66421 Thrust Washer 2 66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1		-	
35322 Cover Plate 1 35902 Wear Plate 1 *35979 Template 1 39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 1 56575 Entrance Table 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 1 Hex HD Cap Screw 1 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62301 "C" Washer 2 62301 "C" Washer 2 62303 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66430 TT150-2 Brg. 1 *66500 Clutch 1	30902	wastier	'
35902 Wear Plate *35979 Template 39950 Thrust Washer 40250 Main Housing 44021 Thrust Washer 56574 Deflector 56575 Entrance Table *60045 5/16-18 x 1/2 HHCS 60090 3/8-16 x 3/4 Hex Cap Screw 60093 3/8-16 x 3/4 Hex Cap Screw 60102 3/8-16 x 5" Lg. Hex. Cap Screw *60498 5/16-18 x 3/8 SHCS *60571 8-32 x 3/4" RHMS 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw *60795 4 x 3/16 Drive Scr. *60876 3/8-16 x 1-1/4 CB 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 61120 3/8-16 Hex. Nut 2 62301 "C" Washer 62301 "C" Washer 62301 "C" Washer 62301 "C" Washer 62303 3/16 Lockwasher 62363 3/8 Lockwasher 62420 3/16 Sq. Key 1 62502 Retaining Ring 3 66100 Bearing 66100 Bearing 66421 Thrust Washer 2 66422 Thrust Washer 2 66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66500 Clutch 1			
*35979 Template 1 39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 1 56575 Entrance Table 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 1 Hex HD Cap Screw 1 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62301 "C" Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			
39950 Thrust Washer 1 40250 Main Housing 1 44021 Thrust Washer 1 56574 Deflector 1 56575 Entrance Table 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap 2 Screw 4 60093 3/8-16 x 1 Hex HD 2 60102 3/8-16 x 5" Lg. Hex. 2 Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. 4 Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. 2 carriage Bolt 2 *61020 8-32 Hex Nut 2 *61120 3/8-16 Hex. Nut 2 *62029 3/8 ID Plain Washer 2 62361 3/16 Sq. Key 1 *62420 3/16 Sq. Key 1 *62420 <t< td=""><td></td><td></td><td></td></t<>			
40250 Main Housing 44021 Thrust Washer 56574 Deflector 56575 Entrance Table *60045 5/16-18 x 1/2 HHCS 60090 3/8-16 x 3/4 Hex Cap Screw 60093 3/8-16 x 1 Hex HD Cap Screw 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS *60571 8-32 x 3/4" RHMS 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 61120 3/8-16 Hex. Nut 2 62002 3/16 x .049 Wsr. 62029 3/8 ID Plain Washer 62361 'C' Washer 62361 'C' Washer 62363 3/8 Lockwasher 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62425 Retaining Ring 3 66080 Bearing 2 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 2 66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1			
44021 Thrust Washer 1 56574 Deflector 1 56575 Entrance Table 1 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 1 Hex HD Cap Screw 4 60102 3/8-16 x 5" Lg. Hex. Cap Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 *61020 3/8-16 Hex. Nut 2 *62022 3/16 x .049 Wsr. 2 62301 "C" Washer 2 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62502 Retaining Ring 3			
56574 Deflector 56575 Entrance Table *60045 5/16-18 x 1/2 HHCS 60090 3/8-16 x 3/4 Hex Cap Screw 60093 3/8-16 x 1 Hex HD Cap Screw 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS *60571 8-32 x 3/4" RHMS 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 *62002 3/16 x .049 Wsr. 62029 3/8 ID Plain Washer 62301 "C" Washer 62301 "C" Washer 62301 "C" Washer 62301 "G" Washer 62301 "G" Washer 62303 3/8 Lockwasher 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62427 Thrust Washer 66427 Thrust Washer 1 *66430 TT150-2 Brg. 66500 Clutch 1 *66430 TT150-2 Brg. 1 66500 Clutch	40250	Main Housing	
*60045 5/16-18 x 1/2 HHCS 2 *60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap			
*60045 5/16-18 x 1/2 HHCS 2 60090 3/8-16 x 3/4 Hex Cap Screw 4 60093 3/8-16 x 1 Hex HD Cap Screw 1 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 61120 3/8-16 Hex. Nut 2 62002 3/16 x .049 Wsr. 2 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1			
Screw 60093 3/8-16 x 1 Hex HD Cap Screw 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			
60093 3/8-16 x 1 Hex HD Cap Screw 1 60102 3/8-16 x 5" Lg. Hex. Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62301 "C" Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	60090	_	4
60102 3/8-16 x 5" Lg. Hex.	60093	3/8-16 x 1 Hex HD	
Capscrew 2 *60498 5/16-18 x 3/8 SHCS 1 *60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd.	60102		1
*60571 8-32 x 3/4" RHMS 2 60576 10-24 x 1/2" Lg. Rd. Hd. Mach. Screw 4 *60795 4 x 3/16 Drive Scr. 2 *60876 3/8-16 x 1-1/4 CB 3 60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 3 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	00102	A CONTRACTOR OF THE PROPERTY O	2
60576 10-24 x 1/2" Lg. Rd.	*60498	5/16-18 x 3/8 SHCS	1
*60795	*60571	8-32 x 3/4" RHMS	2
*60795	60576		4
60877 3/8-16 x 1-3/4" Lg. Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	*60795		2
Carriage Bolt 2 *61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	*60876		3
*61020 8-32 Hex Nut 2 61120 3/8-16 Hex. Nut 2 *62002 3/16 x .049 Wsr. 2 62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	60877	9	
*62002 3/16 x .049 Wsr. 2 62029 3/8 ID Plain Washer 2 62301 ''C'' Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	*61020		2 2
*62002 3/16 x .049 Wsr. 2 62029 3/8 ID Plain Washer 2 62301 ''C'' Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	61100	2/0 16 Hay Not	,
62029 3/8 ID Plain Washer 2 62301 "C" Washer 2 62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 1 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	2 2 200 00		
62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 1 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			2
62360 3/16 Lockwasher 4 62363 3/8 Lockwasher 5 62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 1 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			2
62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 1 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			
62420 3/16 Sq. Key 1 *62424 3/16 Sq. Key 1/2 1 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	62363	3/8 Lockwasher	5
*62424 3/16 Sq. Key 1/2 1 62502 Retaining Ring 3 66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			
66080 Bearing 2 66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	*62424		
66100 Bearing 3 66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			
66100 Bearing 1 66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1	66080	Bearing	2
66421 Thrust Washer 2 66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			
66422 Thrust Washer 4 66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			
66425 Thrust Washer 1 *66430 TT150-2 Brg. 1 66500 Clutch 1			
*66430 TT150-2 Brg. 1 66500 Clutch 1			
66500 Clutch 1	00425	inrust Wasner	1
7 1 194 1 1 GOHAF 1			
	/1154	i Colldi	'