

# **FTP-90-RL**

## **90° Powered Conveyor RL**

### **Operator Manual and Parts List**

S/N 9809-XXXX and UP  
For Part Number -183967906



20 N. Pennsylvania Ave.  
Morrisville, PA 19067  
Phone: 215-295-2000  
Fax: 215-295-2080

**0183977102**  
**(5/03) REV 4**



## Index

| <u>Description</u>                                | <u>Page</u> |
|---------------------------------------------------|-------------|
| 1. Introduction To FPT-90-RL .....                | 0           |
| 2. Warning .....                                  | 3           |
| 3. Physical Dimensions .....                      | 4           |
| 4. Electrical Requirements .....                  | 4           |
| 5. Compatible Equipment .....                     | 4           |
| 6. Maintenance Instructions .....                 | 4           |
| 7. Assembly Instructions .....                    | 5           |
| 8. Conveyor Rollers .....                         | 5           |
| 9. Conveyor Belt Tension .....                    | 6           |
| 10. Changing Product Flow Direction .....         | 7           |
| 11. FPT-90-RL Illustrated Parts List              |             |
| Motor Assembly .....                              | 8           |
| Power Cord Option .....                           | 9           |
| Wiring .....                                      | 9           |
| Speed: 40ft/min .....                             | 9           |
| Speed: 50ft/min .....                             | 9           |
| FPT-90-RL Basic .....                             | 10-12       |
| FPT-90-RL Input Mounting Bracket Option .....     | 13          |
| FPT-90-RL Discharge Mounting Bracket Option ..... | 13          |
| Packing FPT-90-RL .....                           | 14&15       |
| 12. Warranty .....                                | 16          |

## **1. INTRODUCTION TO FPT-90-RL CONVEYORS**

Exact Equipment's powered turn conveyors are the answer to many backroom wrapping layout problems that require the turning of a process line to conserve space or to allow one operator to serve both the loading and unloading function.

Exact Equipment's FPT-90-RL power turn features a sturdy, sanitary stainless steel construction, power driven rollers and positive drive adjustment. Tapered rollers eliminate the need for guide rails and provide accurate package turning and movement. No lubrication is required.

**2. WARNING: FAILURE TO ADHERE TO THE FOLLOWING INSTRUCTIONS  
COULD RESULT IN SERIOUS BODILY INJURY OR  
PROPERTY DAMAGE!**

**Carefully** read Operators Manual.

**No one** but qualified operators should operate equipment.

**Do not** permit distraction of operator while equipment is in use. Stay alert.

**Maintain** firm footing in area around equipment.

**Do not** allow unqualified personnel to attempt repairs.

**Switch off** and unplug before attempting any cleaning, maintenance or repairs.

**Do not** spray any electrical components with water.

**Use only** in accordance with manufacture's instructions.

**Do not** force-feed oversize or odd size packages through or into the machine.

**Do not** force-feed machine faster than it can accept product.

**Do keep** area around machinery clean and dry, and free of obstacles.

**Do not** use extension cords unless provided by the manufactures for the specific purpose.

Safety devises and guards are installed for your protection; **DO NOT** attempt to remove or defeat them.

### **3. PHYSICAL DIMENSION:**

36" L X 24" W X 32"-44" H (height will depend on length of leg)

### **CONSTRUCTION**

GUARD: Stainless Steel  
FRAME: Welded Stainless Steel Tubing  
ROLLERS: Aluminum Tubing  
DRIVE: Urethane Belt

### **SHIPPING WEIGHT**

125 Pounds

### **CARTON SIZE**

39.00 X 26.00 X 16.38

### **4. POWER REQUIREMENTS:**

120 V, 60 HZ, 1 PHASE, 3.18 AMPS

### **5. COMPATIBLE EQUIPMENT:**

|                     |               |
|---------------------|---------------|
| CB SERIES CONVEYORS | 820 S         |
| HB SERIES CONVEYORS | 820 L         |
| SM 3                | 14" CONVEYORS |
| SM 4                | 540           |

### **6. MAINTENANCE**

A few moments spent in daily cleaning provides smoother trouble free operation and a longer conveyor life.

Use a soft cloth and a mild soap and water solution to clean the surface areas and polyurethane belts.

Be sure to wring excess solution from the cloth before cleaning and prevent any water from dripping into motor areas as this may cause shorting and permanent damage and/or possible hazard to operating personnel.

Clean the exterior surface with steel wool or Scotch Brite general all purpose pads to remove any dried on food residue. DO NOT scrap with a knife or hard steel object.

## **7. ASSEMBLY INSTRUCTIONS**

- STEP 1. Lay leg frame (1) on floor.
- STEP 2. Insert all three legs (2) into leg frame (1) with adjustable foot (3) to the floor.
- STEP 3. Set FTP-90-RL Conveyor unit on legs (2), by inserting each leg (2) into the square pocket on the inside of the support.
- STEP 4. Turn each leg (2) to align the hole (4) for installation of bolts (5).
- STEP 5. Install bolts (5) thru hole and screw hex nut (6) loosely.
- STEP 6. Slide leg frame (1) approx. 15 inches from floor and tighten with hex key in set screw (5).
- STEP 7. Tighten bolts (5) and hex nuts (6).

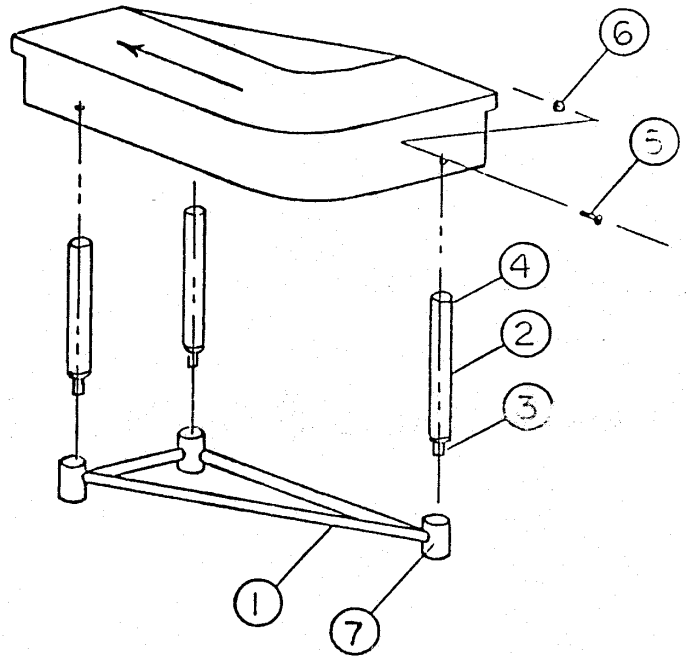


FIG. 1

## **8. CONVEYOR ROLLERS**

Conveyor Rollers must have a  $\frac{1}{8}$  inch uniform clearance above inner support as shown in Fig. 2.

To obtain the  $\frac{1}{8}$  inch dimension as shown in Fig. 2 bend the idler bracket up or down as needed. If an improper belt seat results, refer to page 6.

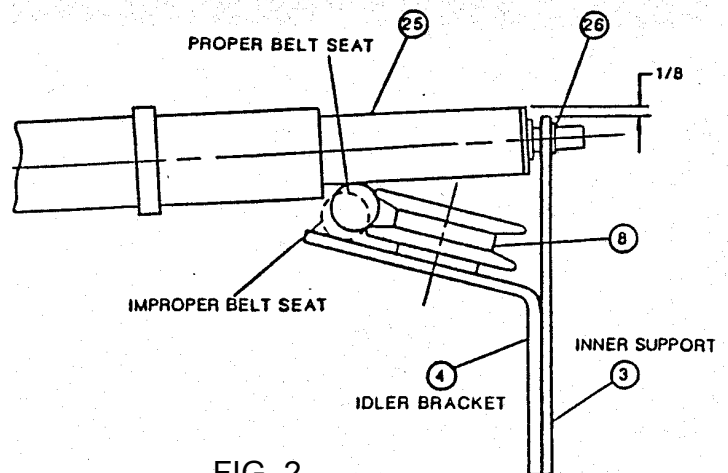


FIG. 2

## **9. CONVEYOR BELT TENSION**

Conveyor belt must be taut at all times to insure proper function of conveyor rollers.

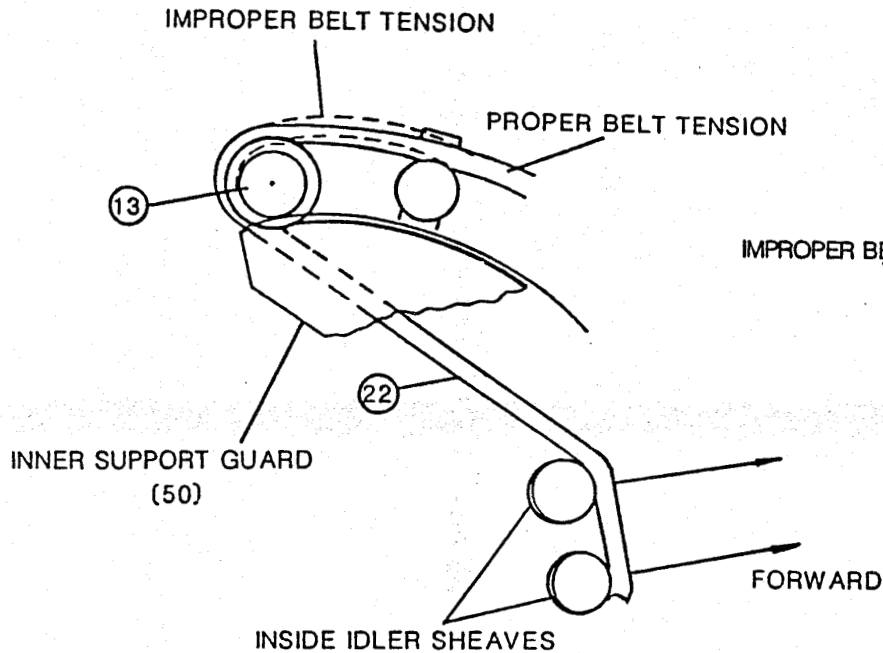


FIG. 3

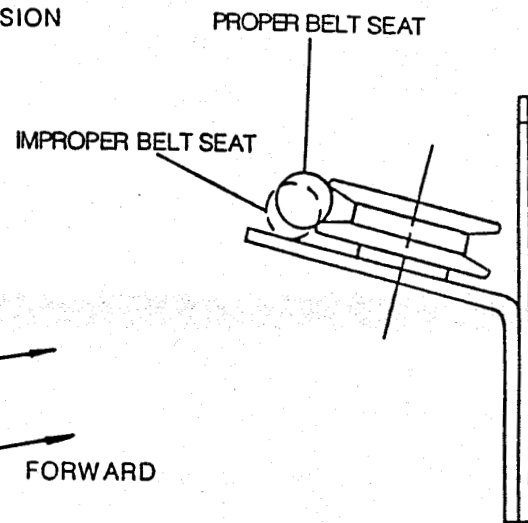


FIG.4

### **TENSION ADJUSTMENT**

- STEP 1. Remove inner support guard from unit (remove 3 screws from top).
- STEP 2. Loosen hex post under inside idler sheave, adjust sheave forward as shown in Fig. 3, then tighten.
- STEP 3. Run machine and check belt tension. If belt seats ok, replace inner support guard. If belt does not seat properly (Fig. 4), repeat step (2).

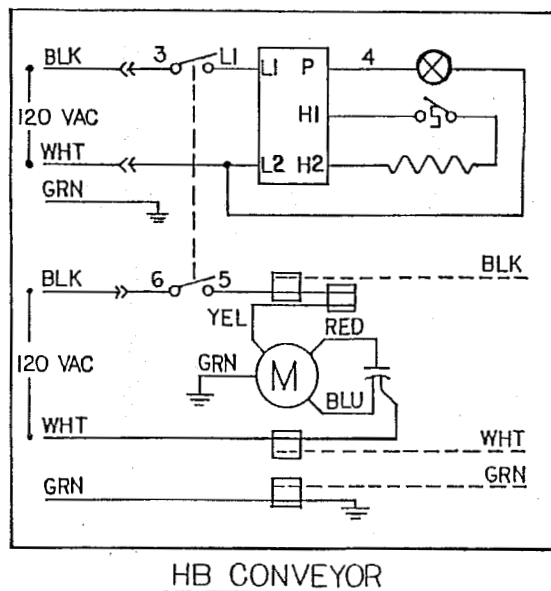
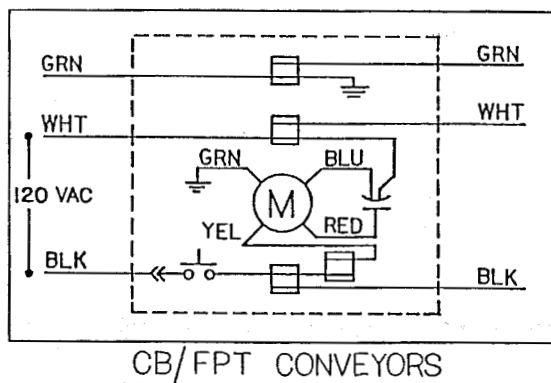
## 10. CHANGING PRODUCT FLOW DIRECTION FROM RL TO LR

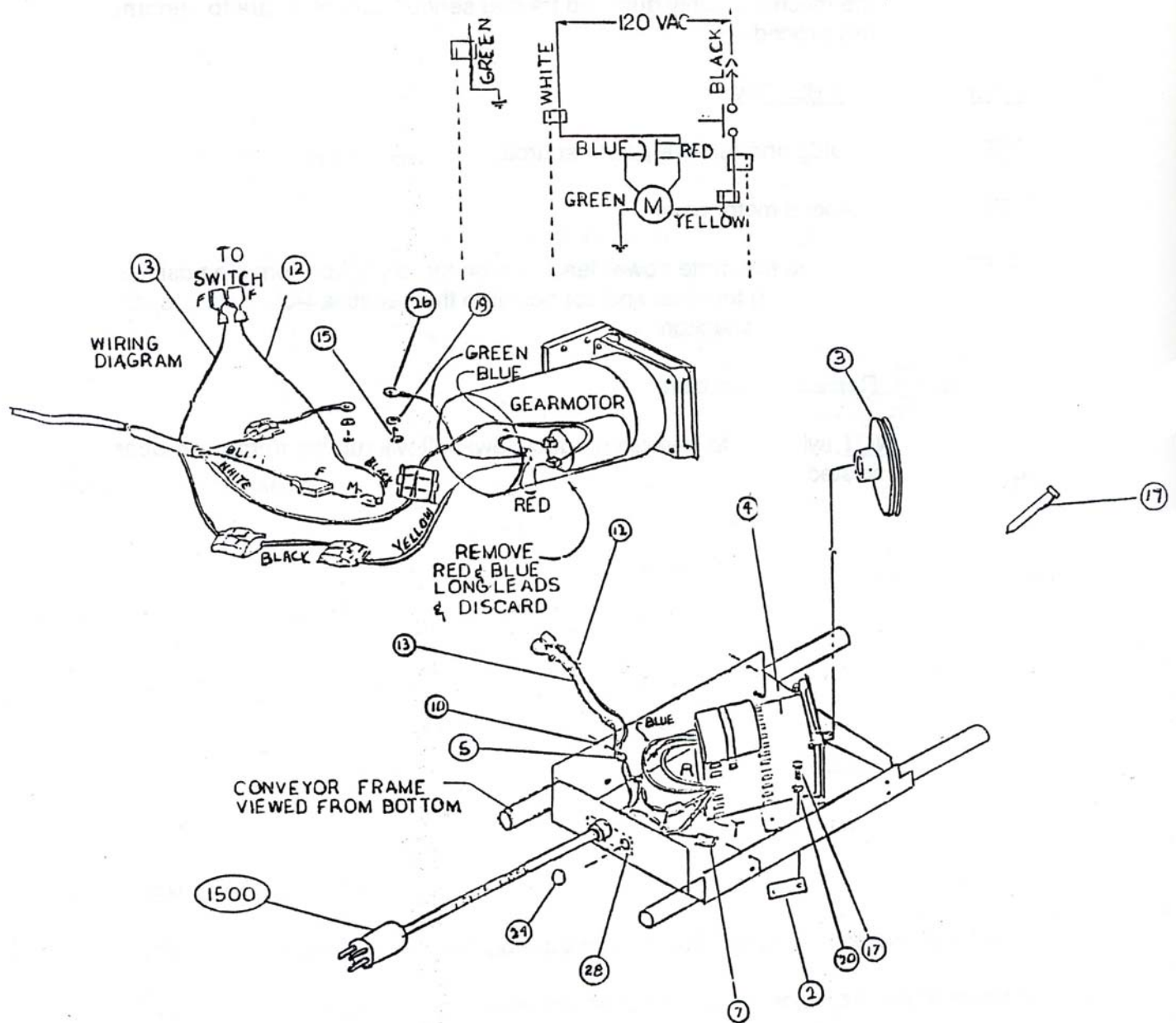
**WARNING:** Always unplug and remove power source before working on or around the machine. Only qualified trained service personnel are to perform this procedure.

### FOLLOW STEPS BELOW

- STEP 1. Unplug and remove power source.
- STEP 2. Remove motor cover.
- STEP 3. Remove the white power lead wire on the capacitor from the positive (+ red wire) terminal and connect it to the negative (-blue wire) terminal of the capacitor.
- STEP 4. Replace motor cover.

**NOTE:** DO NOT twist belt to reverse product flow; belt will rub the frame and wear out rapidly if twisted.





### 0183957003 Spare Parts; FPT Motor Power Cord Option

| Item Part Number | Description                     | U/M | From Serial No. | To Serial No. |
|------------------|---------------------------------|-----|-----------------|---------------|
| 1500 0183257021  | POWER CORD; PARALLEL BLADE 8 FT | EA  | 9809-           | Up            |
| 1500 0183257022  | POWER CORD; TWIST LOCK 8 FT     | EA  | 9809-           | Up            |
| 1500 0183257027  | CONDUIT; 2.5 FT,FPT TO FPT      | EA  | 9809-           | Up            |
| 1500 0183257028  | CONDUIT; 4.5 FT,FPT TO CB/HB-30 | EA  | 9809-           | Up            |
| 1500 0183257029  | CONDUIT; 6.0 FT,FPT TO CB/HB-48 | EA  | 9809-           | Up            |
| 1500 0183257030  | CONDUIT; 8.0 FT,CB/HB/FPT TO 72 | EA  | 9809-           | Up            |
| 1500 0183257031  | CONDUIT; 16 FT,FPT TO CB72-820  | EA  | 9809-           | Up            |

### 0183957909 Spare Parts; FPT-90-RL Wiring

| Item Part Number | Description                   | U/M | From Serial No. | To Serial No. |
|------------------|-------------------------------|-----|-----------------|---------------|
| 2001 0183967801  | M/A MOTOR ASSEMBLY RL         | RF  | 9809-           | Up            |
| 2002 0188040105  | NUT PLATE                     | EA  | 9809-           | Up            |
| 2005 0275685108  | BUSHING; SNAP A               | EA  | 9809-           | Up            |
| 2007 0203256101  | CONNECTOR 18-14               | EA  | 9809-           | Up            |
| 2010 0204995101  | BASE; MOTOR RL                | EA  | 9809-           | Up            |
| 2012 0272401394  | WIRE; LEAD                    | EA  | 9809-           | Up            |
| 2013 0272401395  | WIRE; LEAD                    | EA  | 9809-           | Up            |
| 2015 0275154401  | SRHMS; #10-32X1/4, 300SS      | EA  | 9809-           | Up            |
| 2017 0275295103  | HHCS; 1/4-20X5/8,300SS        | EA  | 9809-           | Up            |
| 2019 0275571107  | WASHER; #10 IT,400SS          | EA  | 9809-           | Up            |
| 2020 0275572109  | WASHER; 1/4 S/L REGULAR,300SS | EA  | 9809-           | Up            |
| 2024 0200560113  | PLUG; HOLE .875               | EA  | 9809-           | Up            |
| 2026 0209525206  | TERMINAL; 18-14 #10 RING      | EA  | 9809-           | Up            |
| 2027 0275265117  | CABLE TIE; .184X7.31          | EA  | 9809-           | Up            |
| 2028 0269895102  | PLATE; TWO HOLE GRIP          | EA  | 9809-           | Up            |

### 0183957015 Spare Parts; Speed: 40ft/min Option

| Item Part Number | Description        | U/M | From Serial No. | To Serial No. |
|------------------|--------------------|-----|-----------------|---------------|
| 2003 0188062105  | SHEAVE 1 GROOVE    | EA  | 9809-           | Up            |
| 2004 0200370101  | MOTOR; 28 RPM GEAR | EA  | 9809-           | Up            |

### 0183957016 Spare Parts; Speed: 50 ft/min Option

| Item Part Number | Description                   | U/M | From Serial No. | To Serial No. |
|------------------|-------------------------------|-----|-----------------|---------------|
| 2003 0188062139  | SHEAVE; "A"PD 6.00, BORE .625 | EA  | 9809-           | Up            |
| 2004 0200370101  | MOTOR; 28 RPM GEAR            | EA  | 9809-           | Up            |



## 0183957914 Spare Parts; FPT-90-RL

| Item Part<br>Number | Description                       | U/M | From<br>Serial No. | To<br>Serial No. |
|---------------------|-----------------------------------|-----|--------------------|------------------|
| 3001 0183977801     | M/A FPT-90-RL                     | RF  | 9809-              | Up               |
| 3002 0183957104     | BRACKET; IDLER                    | EA  | 9809-              | Up               |
| 3003 0183957105     | BUSHING                           | EA  | 9809-              | Up               |
| 3004 0183957107     | BLOCK BEARING                     | EA  | 9809-              | Up               |
| 3005 0183957108     | SHAFT; DRIVE A                    | EA  | 9809-              | Up               |
| 3006 0183957113     | PLATE; MOUNTING                   | EA  | 9809-              | Up               |
| 3007 0183957118     | SHEAVE; DRIVE                     | EA  | 9809-              | Up               |
| 3008 0183957961     | ROLLER ASSEMBLY                   | EA  | 9809-              | Up               |
| 3009 0269595101     | BRACKET; IDLER FPT-90 (90)        | EA  | 9809-              | Up               |
| 3010 0183977951     | FRAME; FPT 90 RL                  | EA  | 9809-              | Up               |
| 3011 0183977952     | SUPPORT ASSEMBLY; OUTER RL        | EA  | 9809-              | Up               |
| 3012 0183977953     | SUPPORT ASSEMBLY; INNER RL        | EA  | 9809-              | Up               |
| 3013 0188096103     | LINER; NYLON                      | EA  | 9809-              | Up               |
| 3014 0188098104     | BELT; 1/2" X 57" URETHANE         | EA  | 9809-              | Up               |
| 3015 0188098103     | BELT; 3/8" X 39" URETHANE         | EA  | 9809-              | Up               |
| 3016 0197661122     | SPACER; TAPPED                    | EA  | 9809-              | Up               |
| 3017 0199270139     | BEARING; BALL                     | EA  | 9809-              | Up               |
| 3018 0199206121     | BEARING; FLANGED                  | EA  | 9809-              | Up               |
| 3019 0270117215     | PLATE; LEGEND "PUSH TO STOP       | EA  | 9809-              | Up               |
| 3020 0200851101     | ROLLER 13.50 LG                   | EA  | 9809-              | Up               |
| 3021 0203090103     | SWITCH                            | EA  | 9809-              | Up               |
| 3022 0800812113     | SPACER; .750 ODX.250 IDX.250 L    | EA  | 9809-              | Up               |
| 3023 0208176153     | HSSS-KCP; 5/16-18X3/8, HI-STREN   | EA  | 9809-              | Up               |
| 3024 0204997901     | GUARD ASSEMBLY; FRONT RL          | EA  | 9809-              | Up               |
| 3024 0275154405     | SRHMS; #10-32X1/2, 300SS          | EA  | 9809-              | Up               |
| 3025 0208867301     | SCREW; SHOULDER SS                | EA  | 9809-              | Up               |
| 3026 0220006118     | RING; RETAINING                   | EA  | 9809-              | Up               |
| 3027 0269323101     | SHEAVE; SINGLE GROOVE             | EA  | 9809-              | Up               |
| 3028 0269324101     | SHEAVE; SINGLE GROOVE             | EA  | 9809-              | Up               |
| 3029 0269324105     | SHEAVE; SINGLE GROOVE             | EA  | 9809-              | Up               |
| 3030 0269503101     | SHEAVE; SINGLE GROOVE             | EA  | 9809-              | Up               |
| 3031 0269376103     | NAMEPLATE                         | EA  | 9809-              | Up               |
| 3032 0271767301     | POP RIVET; .125X.031-.125, 305SS  | EA  | 9809-              | Up               |
| 3033 0269283111     | CLAMP; CABLE .375 DIA X .203      | EA  | 9809-              | Up               |
| 3035 0199206120     | BEARING; FLANGED                  | EA  | 9809-              | Up               |
| 3036 0275295102     | HHCS; 1/4-20X1/2, 300SS           | EA  | 9809-              | Up               |
| 3037 0275295110     | HHCS; 1/4-20X1 3/4, 300SS         | EA  | 9809-              | Up               |
| 3038 0200006205     | COLLAR; SET; .375 I.D.            | EA  | 9809-              | Up               |
| 3039 0275566101     | NUT; 1/4-20 HEX, 300SS            | EA  | 9809-              | Up               |
| 3040 0275566102     | NUT; 5/16-18 HEX, 300SS           | EA  | 9809-              | Up               |
| 3041 0275572107     | WASHER; #10 S/L REGULAR, 300SS    | EA  | 9809-              | Up               |
| 3042 0275572109     | WASHER; 1/4 S/L REGULAR, 300SS    | EA  | 9809-              | Up               |
| 3043 0275572110     | WASHER; 5/16 S/L REGULAR, 300SS   | EA  | 9809-              | Up               |
| 3044 0275573108     | NUT; #10-32 HEX, 300SS            | EA  | 9809-              | Up               |
| 3045 0275575109     | WASHER; 1/4 FLAT, TYPE A-N, 300SS | EA  | 9809-              | Up               |
| 3046 0275575111     | WASHER; 5/16 FLAT, TYPE A-N, 300S | EA  | 9809-              | Up               |
| 3047 0275685108     | BUSHING; SNAP A                   | EA  | 9809-              | Up               |
| 3048 0275970502     | CRTHS; 1/4-20 X 3/8, 300SS        | EA  | 9809-              | Up               |

## 0183957914 Spare Parts; FPT-90-RL

| Item Part<br>Number | Description                      | U/M | From<br>Serial No. | To<br>Serial No. |    |
|---------------------|----------------------------------|-----|--------------------|------------------|----|
| 3049 0903215101     | ADHESIVE; "242" 50ML             | BT  | 9809-              |                  | Up |
| 3050 0275350253     | SHWHS-ST; #8X1/2 STEEL-ZP        | EA  | 9809-              |                  | Up |
| 3051 0204955910     | GUARD; ASSEMBLY RL               | EA  | 9809-              |                  | Up |
| 3052 0204976102     | GUARD; PULLEY RL                 | EA  | 9809-              | 0005-            |    |
| 3052 0204976104     | COVER; RL                        | EA  | 0005-              |                  | Up |
| 3053 0272401405     | WIRE; LEAD                       | EA  | 9809-              |                  | Up |
| 3054 0275575106     | WASHER; #10 FLAT, TYPE A, 300SS  | EA  | 9809-              |                  | Up |
| 3055 0800923101     | LABEL; WARNING                   | EA  | 9809-              |                  | Up |
| 3056 0269468101     | LABEL; WIRING                    | EA  | 9809-              |                  | Up |
| 3058 0275295103     | HHCS; 1/4-20X5/8, 300SS          | EA  | 9809-              |                  | Up |
| 3059 0903206100     | LOCTITE 609                      | BT  | 9809-              |                  | Up |
| 3060 0960408109     | GREASE; SUPER LUBE               | CR  | 9809-              |                  | Up |
| 3061 0208826202     | LOCKNUT; FLEXLOC                 | EA  | 9809-              |                  | Up |
| 3062 0208042207     | SOC.HD.SHLDR.SC                  | EA  | 9809-              |                  | Up |
| 3063 0275195105     | NUT; 1/4-20 HEX NYLON LOCK, 300S | EA  | 9809-              |                  | Up |
| 3064 0275295108     | HHCS; 1/4-20X1 1/4, 300SS        | EA  | 9809-              |                  | Up |
| 3065 0270101101     | BRACKET; ANGLE MOUNTING          | EA  | 9809-              |                  | Up |
| 3066 0275901355     | SFCMS; 10-32X1/2, 300SS          | EA  | 9809-              |                  | Up |
| 3067 0270119904     | RETAINER; RL BELT                | EA  | 9809-              |                  | Up |
| 3068 0270145102     | BRACKET; IDLER                   | EA  | 9809-              |                  | Up |
| 3069 0275295109     | HHCS; 1/4-20X1 1/2, 300SS        | EA  | 9809-              |                  | Up |
| 3070 0275157354     | SRHMS; #8-32X3/8, 300SS          | EA  | 9809-              |                  | Up |
| 3071 0202064103     | LABEL; WARNING                   | EA  | 9809-              |                  | Up |

### **0183957008 Spare Parts; FPT-90-RL Input Mounting Bracket Options**

| Item | Part<br>Number | Description                   | U/M | From<br>Serial No. | To<br>Serial No. |
|------|----------------|-------------------------------|-----|--------------------|------------------|
| 3500 | 0183957975     | 14" CONVEYOR (OLD) TO FPT     | EA  | 9809-              | Up               |
| 3500 | 0183957976     | 16" CONVEYOR (OLD) TO FPT     | EA  | 9809-              | Up               |
| 3500 | 0183957977     | 540 TO FPT                    | EA  | 9809-              | Up               |
| 3500 | 0183957978     | 820S TO FPT                   | EA  | 9809-              | Up               |
| 3500 | 0183957979     | 820L TO FPT                   | EA  | 9809-              | Up               |
| 3500 | 0183957983     | FPT TO SPEEDMASTER            | EA  | 9809-              | Up               |
| 3500 | 0183957986     | CB/HB TO FPT-90-RL            | EA  | 9809-              | Up               |
| 3500 | 0183957989     | 815L TO FPT                   | EA  | 9809-              | Up               |
| 3500 | 0183957995     | 12" GRAVITY CONVEYOR TO FPT   | EA  | 9809-              | Up               |
| 3500 | 0183957997     | WORKHORSE IK-31 TO FPT        | EA  | 9809-              | Up               |
| 3500 | 0183957998     | WH-ZS TO FPT                  | EA  | 9809-              | Up               |
| 3500 | 0183957999     | FPT TO 12" WIDE GC CANTILEVER | EA  | 9809-              | Up               |

### **0183957009 Spare Parts; FPT-90-RL Discharge Mounting Bracket**

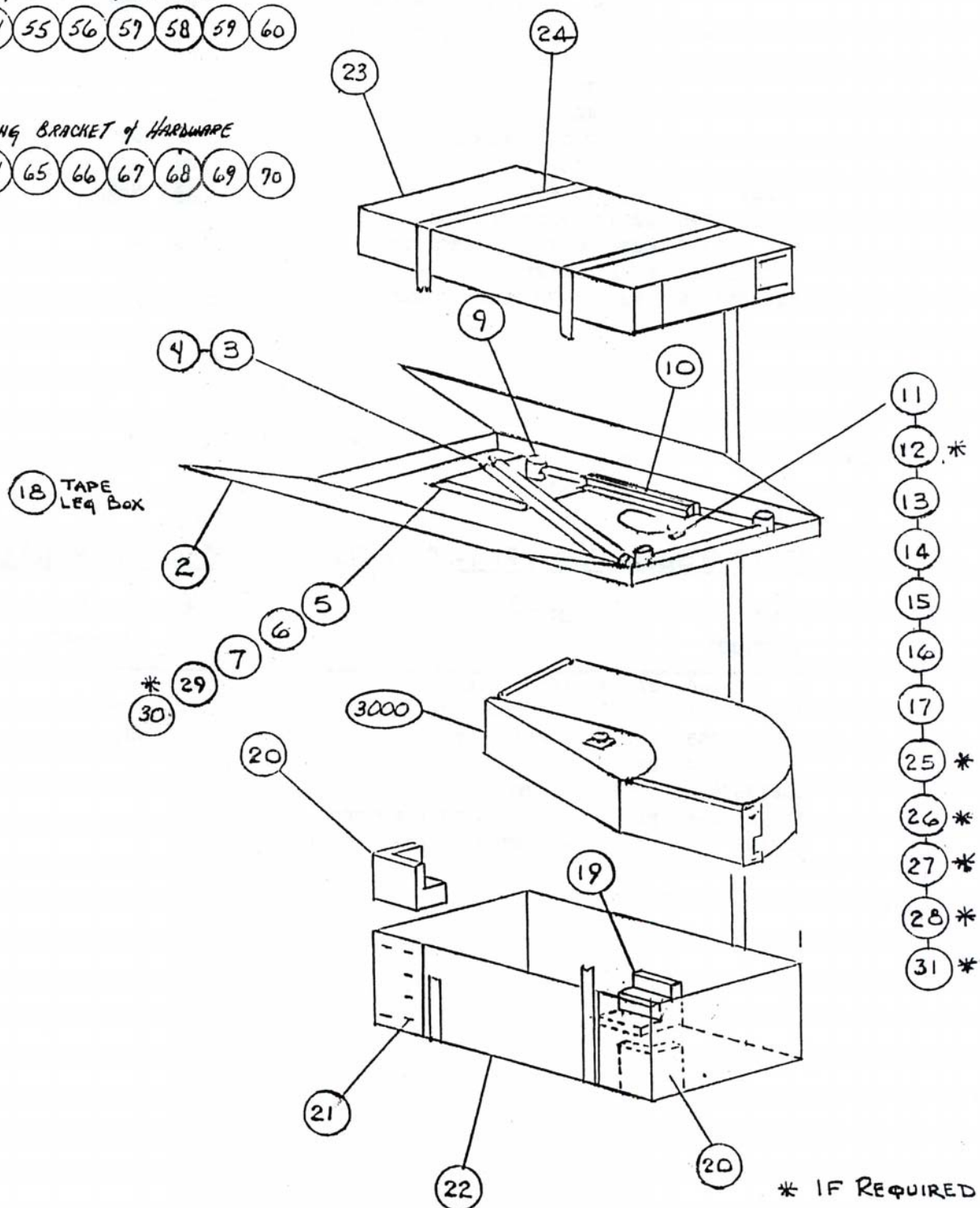
| Item | Part<br>Number | Description                   | U/M | From<br>Serial No. | To<br>Serial No. |
|------|----------------|-------------------------------|-----|--------------------|------------------|
| 3600 | 0183957980     | FPT TO 14" CONVEYOR (OLD)     | EA  | 9809-              | Up               |
| 3600 | 0183957982     | FPT TO 16" CONVEYOR (OLD)     | EA  | 9809-              | Up               |
| 3600 | 0183957983     | FPT TO SPEEDMASTER            | EA  | 9809-              | Up               |
| 3600 | 0183957984     | FPT TO FPT                    | EA  | 9809-              | Up               |
| 3600 | 0183957988     | FPT-90-RL TO CB/HB            | EA  | 9809-              | Up               |
| 3600 | 0183957996     | FPT TO 12" GRAVITY CONVEYOR   | EA  | 9809-              | Up               |
| 3600 | 0183957999     | FPT TO 12" WIDE GC CANTILEVER | EA  | 9809-              | Up               |

INPUT MOUNTING BRACKET & HARDWARE

52 53 54 55 56 57 58 59 60

DISCHARGE MOUNTING BRACKET & HARDWARE

62 63 64 65 66 67 68 69 70



RL SHOWN  
LR OPPOSITE

### **0183957910 Spare Parts; FPT-90-RL Packing**

| Item Part<br>Number | Description                      | U/M | From<br>Serial No. | To<br>Serial No. |
|---------------------|----------------------------------|-----|--------------------|------------------|
| 4001 0205102803     | M\A PACKING 90 FPT               | RF  | 9809-              | Up               |
| 4002 0205034122     | CARTON; FOLDER 38.50 X 23.25 X2  | EA  | 9809-              | Up               |
| 4003 0271857115     | FOOT INSERT HEX                  | EA  | 9809-              | Up               |
| 4005 0202123101     | ENVELOPE                         | EA  | 9809-              | Up               |
| 4006 0202193901     | KIT; WARRANTY REGISTRATION       | EA  | 9809-              | Up               |
| 4007 0183977101     | MANUAL; FPT-90-LR OPERATOR       | EA  | 9809-              | Up               |
| 4009 0183967981     | FRAME LEG 90                     | EA  | 9809-              | Up               |
| 4011 0200457101     | BAG; MUSLIN                      | EA  | 9809-              | Up               |
| 4013 0275295112     | HHCS; 1/4-20X2 1/4, 300SS        | EA  | 9809-              | Up               |
| 4014 0275195105     | NUT; 1/4-20 HEX NYLON LOCK, 300S | EA  | 9809-              | Up               |
| 4018 0271977101     | TAPE; REINFORCED                 | RL  | 9809-              | Up               |
| 4019 0205166102     | INSERT; SPRT CTR                 | EA  | 9809-              | Up               |
| 4020 0205165102     | INSERT; CORNER                   | EA  | 9809-              | Up               |
| 4022 0205164103     | CARTON                           | EA  | 9809-              | Up               |
| 4023 0205163102     | CARTON LID                       | EA  | 9809-              | Up               |
| 4024 0961806103     | STRAPPING; NYLON                 | RL  | 9809-              | Up               |

### **0183957001 Spare Parts; Height/Leg Options**

| Item Part<br>Number | Description                     | U/M | From<br>Serial No. | To<br>Serial No. |
|---------------------|---------------------------------|-----|--------------------|------------------|
| 4004 0188043111     | LEG; 38.50" (MATCHES 540--44")  | EA  | 9809-              | Up               |
| 4004 0188043112     | LEG; 31.38" (MATCHES H/W-37")   | EA  | 9809-              | Up               |
| 4004 0188043116     | LEG; 26.50" (MATCHES AC100-32") | EA  | 9809-              | Up               |
| 4004 0188043128     | LEG; 35" (MATCHES 820/SM-40.50) | EA  | 9809-              | Up               |
| 4004 0188043135     | LEG; 36.50" (MATCHES 830-42")   | EA  | 9809-              | Up               |
| 4004 0188043139     | LEG; 36" (MATCHES WH-41.50")    | EA  | 9809-              | Up               |
| 4004 0188043143     | LEG; 27.50" (MATCHES AT7-33")   | EA  | 9809-              | Up               |
| 4004 0188043144     | LEG; 30.50" (MATCHES AT7-36")   | EA  | 9809-              | Up               |

## **12. WARRANTY**

Exact Equipment warrants equipment and apparatus sold against defects in workmanship or materials for the following periods of time.

The FPT Conveyor Series: one (1) year from the date of shipment.

This warranty does not apply to expendable parts, repair labor, malfunctions caused by packaging supply failure, conditions of misapplication, abuse, lack of maintenance, improper installation or abnormal environmental conditions.

Exact Equipment shall in no way be liable for any losses, costs forfeitures or damages (including loss of profits: liabilities of the purchaser to its customers, or employees or other third persons; and all other special incidental or consequential damages) whether direct or indirect and whether or not resulting from or contributed to by the default, negligence, whether in manufacture or design, or failure to warn on the part of Exact Equipment its agents, employees and subcontractors, which might be claimed as the result of or use (with or without an active malfunction) or malfunction of the equipment or apparatus covered by this warranty, or as the result of the failure of Exact Equipment to comply with or confirm to any applicable term or condition of sale.

### **REMEDIES AND DAMAGES**

If the equipment should fail during the warranty period, Exact Equipment, at its sole option, shall provide replacement equipment or parts thereof. Repair labor is not included in this warranty.



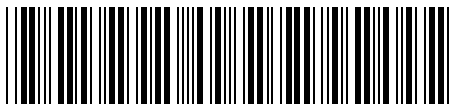


**METTLER TOLEDO**

1900 Polaris Parkway  
Columbus, Ohio 43240  
[www.mt.com](http://www.mt.com)

**P/N: 0183977102 REV 04**

METTLER TOLEDO® is a registered trademark of Mettler-Toledo, Inc.  
©2003 Mettler-Toledo, Inc.  
Printed in USA



**0183977102**