

FPT-180

Operator's Manual

&

Illustrated Parts List

FOR PART NUMBER 0183957906

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1. INTRODUCTION TO FPT 180 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 180 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 equipment when not in use.

Keep equipment clean and in good running order.

Promptly report all problems, loose/missing parts and malfunctions. Do not attempt to operate a damaged or malfunctioning machine.

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:

24" L X 24 1/2" 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

46.75 X 26.50 X 16.12

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 3/4	14" CONVEYORS
540	16" CONVEYORS

6. MAINTENANCE

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

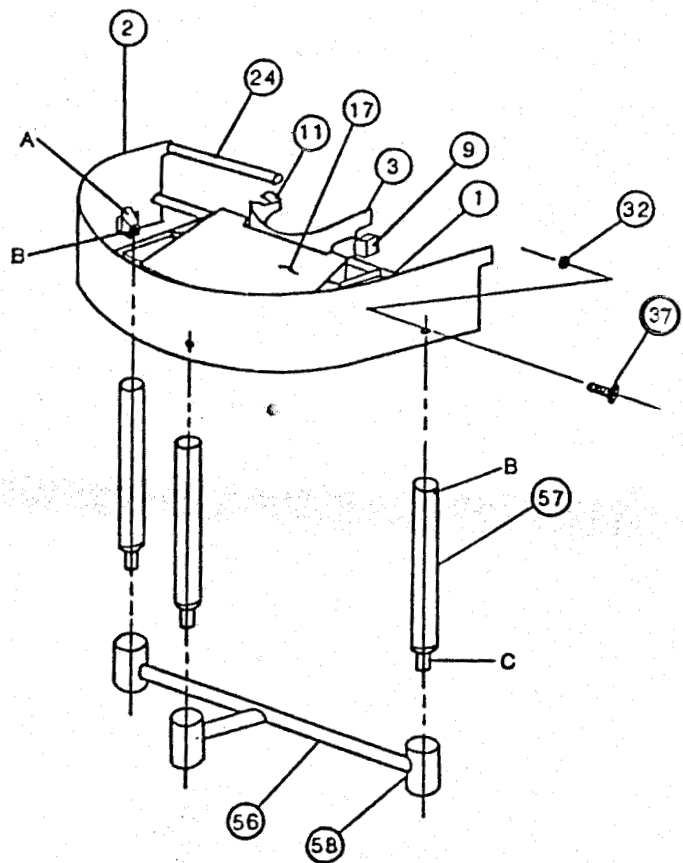
Use a soft cloth and a mild soap and water solution to clean the surface areas and polyurethane belts.

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 (56) on floor.
- STEP 2. Insert all three legs (57) into leg frame (56) with adjustable foot (C) to the floor.
- STEP 3. Set FTP 180 Conveyor unit on legs (57), by inserting each leg on the inside of the outer support (2).
- STEP 4. Turn each leg (57) to align the hole (8) for installation of bolts (37).
- STEP 5. Install bolts (37) thru hole (8) and screw hex nut (32) loosely.
- STEP 6. Slide leg frame (56) approx. 15 inches from floor and tighten with hex key in set screw (58).
- STEP 7. Tighten bolts (37) and hex nuts (32).



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 (4) up or down as needed. If an improper belt seat results, refer to page 6.

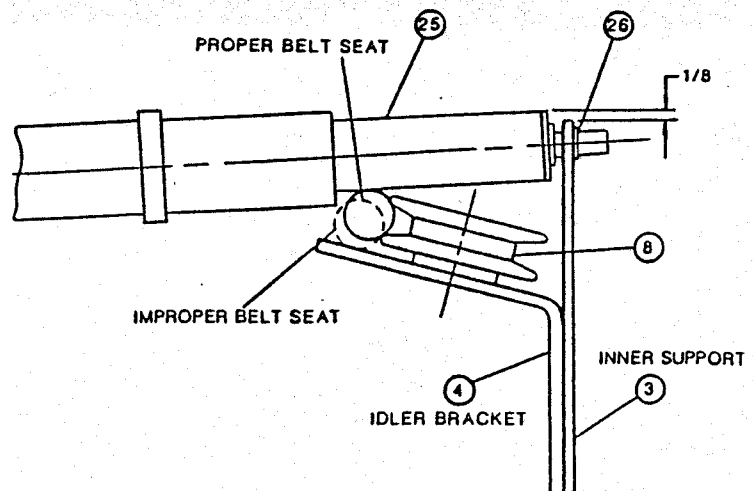


FIG. 2

9. CONVEYOR BELT TENSION

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

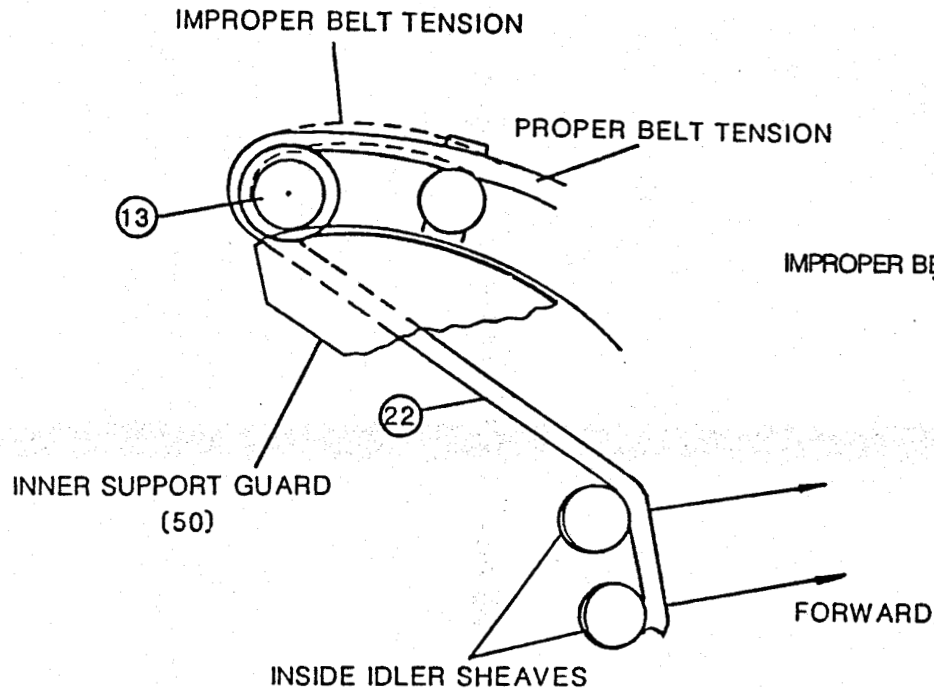


FIG. 3

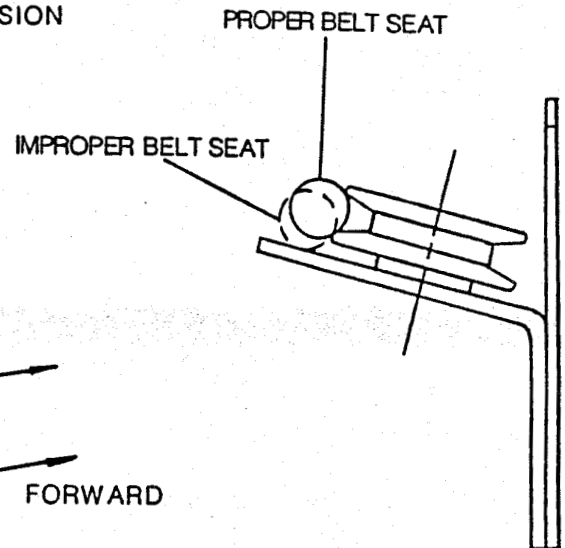


FIG.4

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).

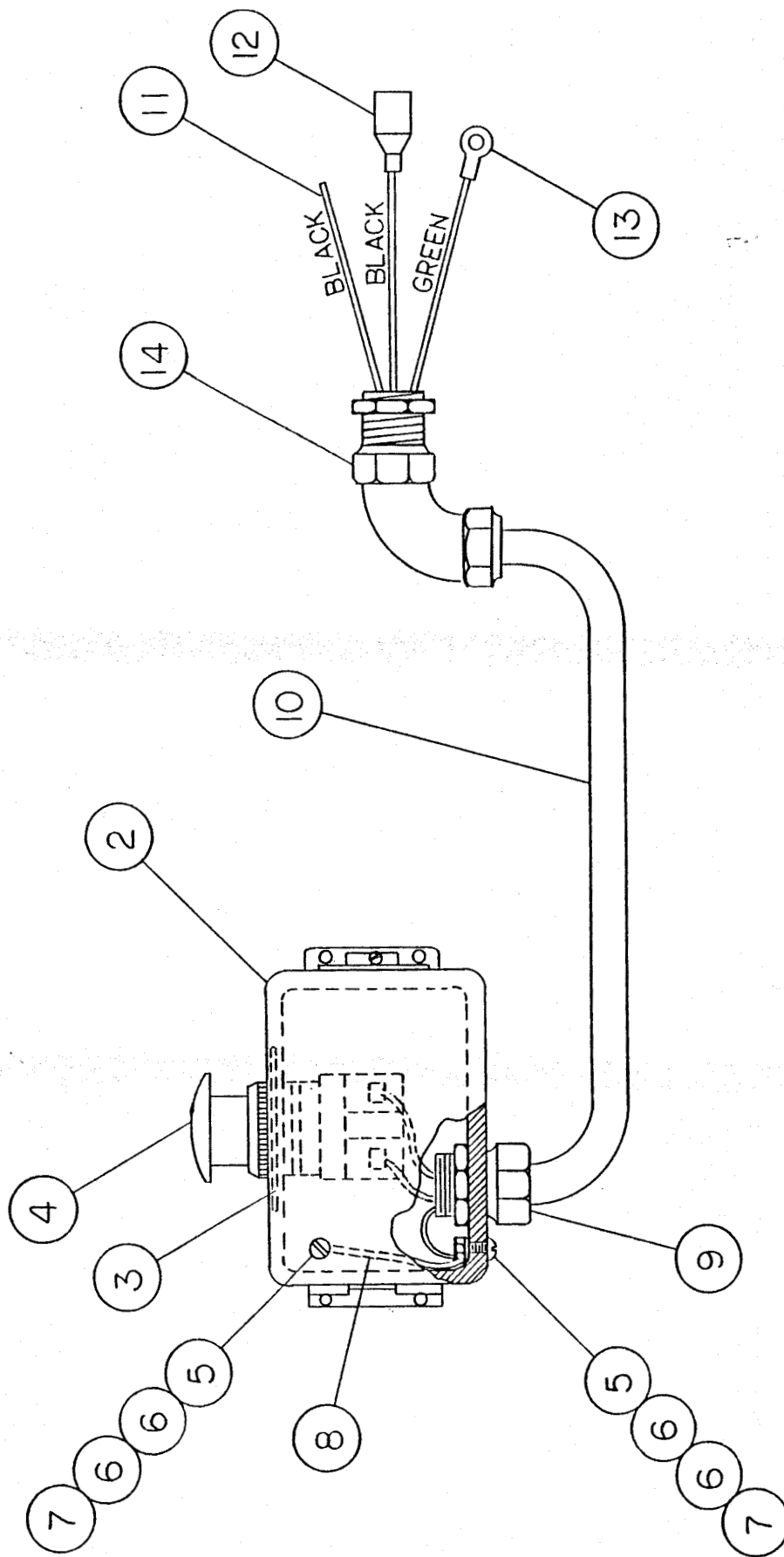
10. CHANGING PRODUCT FLOW DIRECTION FROM LR TO RL

WARNING: Always unplug and remove power source before working on or around the machine. Only qualified trained service personnel are to perform the 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 negative (-blue wire) terminal and connect it to the positive (+red wire) terminal of the capacitor. |
| STEP 4 | Replace motor cover. |

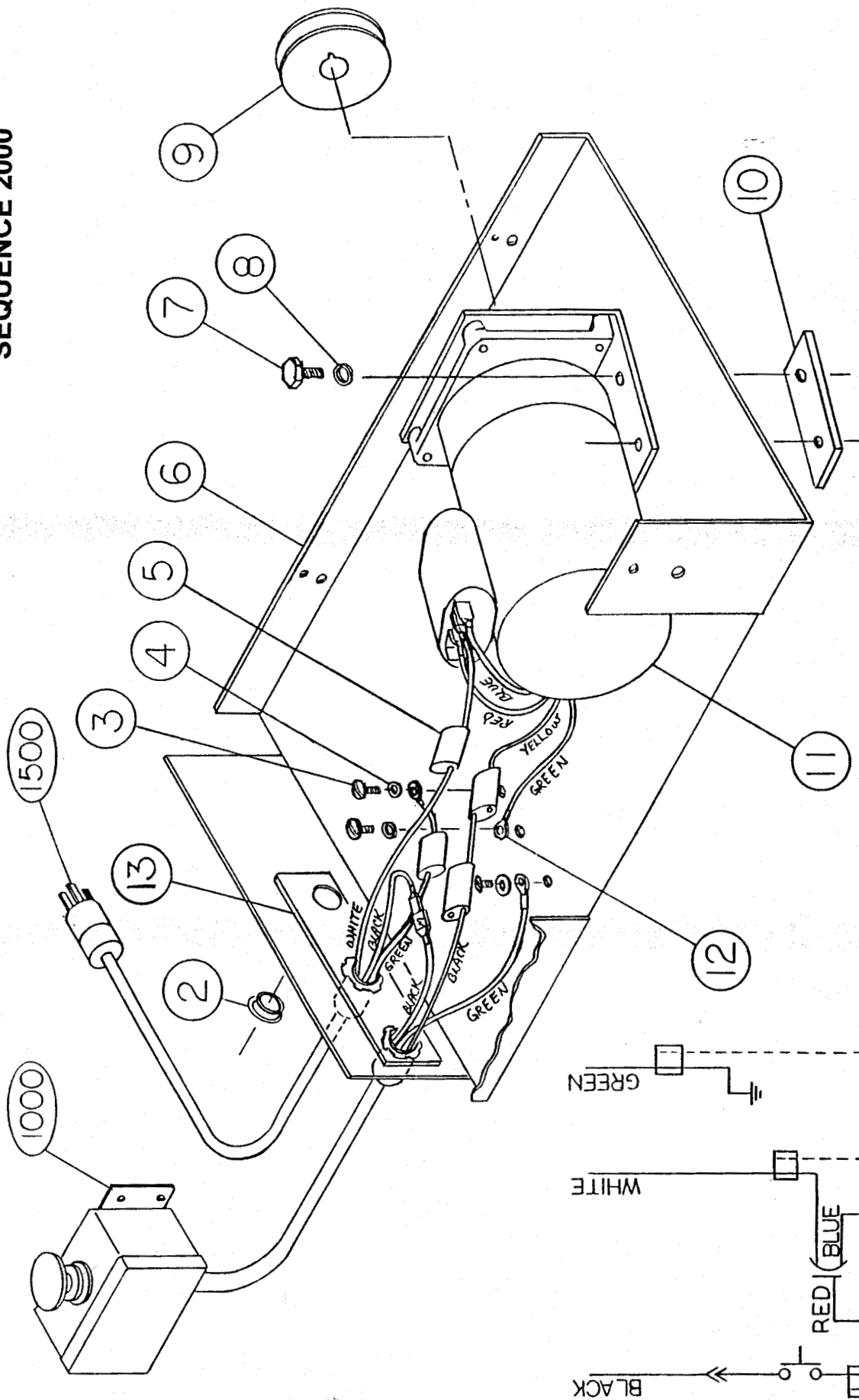
NOTE: DO NOT twist belt to reverse product flow; belt will rub the frame and wear out rapidly if twisted.



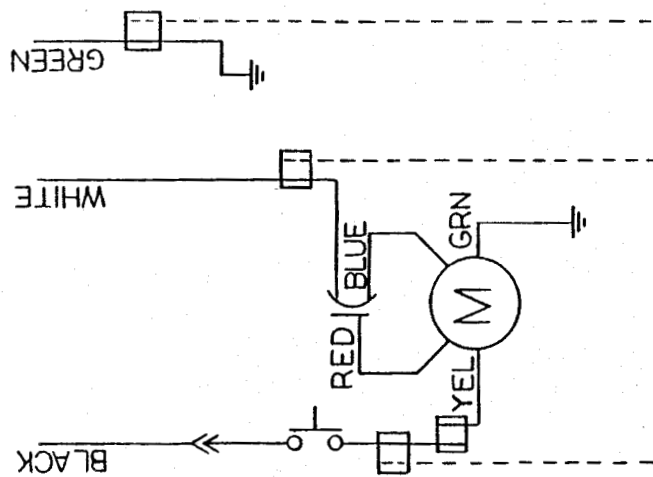
0183957915 Spare Parts; Control Box

Item	Part Number	Description	U/M	From Serial No.	To Serial No.
1001	0209694804	M/A CONTROL BOX	RF	9809-	Up
1002	0209694105	BOX SWITCH	EA	9809-	Up
1003	0270117215	PLATE; LEGEND "PUSH TO STOP"	EA	9809-	Up
1004	0203090103	SWITCH	EA	9809-	Up
1006	0275571107	WASHER; #10 IT,400SS	EA	9809-	Up
1007	0275573108	NUT; #10-32 HEX,300SS	EA	9809-	Up
1008	0272401348	WIRE; LEAD	EA	9809-	Up
1009	0501958102	CONNECTOR	EA	9809-	Up
1010	0203191102	CONDUIT; FLEX	EA	9809-	Up
1011	0272401348	WIRE; LEAD	EA	9809-	Up
1012	0272401350	WIRE; LEAD	EA	9809-	Up
1013	0272401349	WIRE; LEAD	EA	9809-	Up
1014	0501958302	CONNECTOR; 90	EA	9809-	Up

SEQUENCE 2000



REMOVE RED AND BLUE
LONG LEADS AND DISCARD



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

0183957916 Spare Parts; FPT-180 Wiring

Item Part Number	Description	U/M	From Serial No.	To Serial No.
2001 0200370802	M/A WIRING FPT-180	RF	9809-	Up
2002 0200560113	PLUG, HOLE .875	EA	9809-	Up
2003 0275154401	SRHMS; #10-32X1/4, 300SS	EA	9809-	Up
2004 0275571107	WASHER; #10 IT,400SS	EA	9809-	Up
2005 0203256101	CONNECTOR 18-14	EA	9809-	Up
2006 0204995103	BASE; MOTOR	EA	9809-	Up
2007 0275572103	WASHER; #4 S/L REGULAR, 300SS	EA	9809-	Up
2008 0275572109	WASHER; 1/4 S/L REGULAR,300SS	EA	9809-	Up
2010 0188040105	NUT PLATE	EA	9809-	Up
2012 0209525206	TERMINAL; 18-14 #10 RING	EA	9809-	Up
2013 0269895103	PLATE THREE HOLE GRIP	EA	9809-	Up

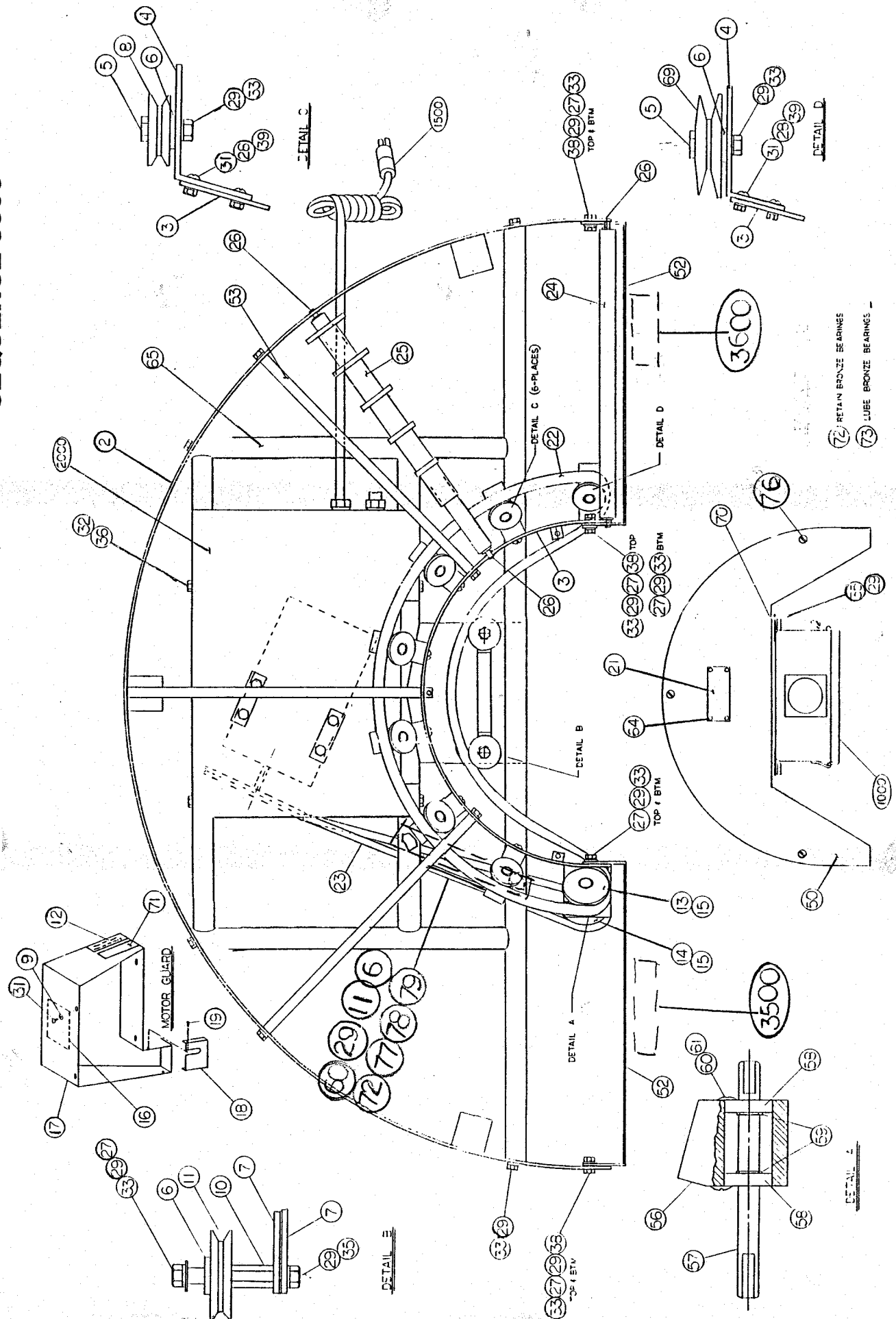
0183957012 Spare Parts; Speed: 40ft/min Option

Item Part Number	Description	U/M	From Serial No.	To Serial No.
0002 0272531082	AMPS-3.18	RF	9809-	Up
0005 0272531101	UL APPROVED-YES	RF	9809-	Up
0006 0272531104	CSA APPROVED: NO	RF	9809-	Up
2009 0188062105	SHEAVE 1 GROOVE	EA	9809-	Up
2011 0200370101	MOTOR; 28 RPM GEAR	EA	9809-	Up
3021 0269376105	NAMEPLATE; UL	EA	9809-	Up

0183957016 Spare Parts; Speed: 50 ft/min Option

Item Part Number	Description	U/M	From Serial No.	To Serial No.
2009 0188062139	SHEAVE; "A"PD 6.00, BORE .625	EA	9809-	Up
2011 0200370101	MOTOR; 28 RPM GEAR	EA	9809-	Up

SEQUENCE 3000



0183957917 Spare Parts; FPT-180 Basic

Item	Part Number	Description	U/M	From Serial No.	To Serial No.
3001	0183957801	M/A FPT-180	RF	9809-	Up
3002	0183957952	SUPPORT; OUTER	EA	9809-	Up
3003	0183957953	SUPPORT; INNER C	EA	9809-	Up
3004	0183957104	BRACKET; IDLER	EA	9809-	Up
3005	0183957105	BUSHING	EA	9809-	Up
3006	0199206121	BEARING; FLANGED	EA	9809-	Up
3007	0183957105	BUSHING	EA	9809-	Up
3008	0269323101	SHEAVE; SINGLE GROOVE	EA	9809-	Up
3009	0275575106	WASHER; #10 FLAT, TYPE A, 300SS	EA	9809-	Up
3010	0183957137	POST IDLER A	EA	9809-	Up
3011	0269324105	SHEAVE; SINGLE GROOVE	EA	9809-	Up
3012	0800923101	LABEL; WARNING	EA	9809-	Up
3013	0183957118	SHEAVE; DRIVE	EA	9809-	Up
3014	0269324101	SHEAVE; SINGLE GROOVE	EA	9809-	Up
3015	0208176153	HSSS-KCP; 5/16-18X3/8, HI-STREN	EA	9809-	Up
3016	0269468101	LABEL; WIRING	EA	9809-	Up
3017	0204955903	GUARD; MOTOR	EA	9809-	Up
3018	0204976101	GUARD; PULLEY LR	EA	9809-	Up
3019	0275350253	SHWHS-ST; #8X1/2 STEEL-ZP	EA	9809-	Up
3021	0269376105	NAMEPLATE; UL	EA	9809-	Up
3022	0188098104	BELT; 1/2" X 57" URETHANE	EA	9809-	Up
3023	0188098103	BELT; 3/8" X 39" URETHANE	EA	9809-	Up
3024	0200851101	ROLLER 13.50 LG	EA	9809-	Up
3025	0183957961	ROLLER ASSEMBLY	EA	9809-	Up
3026	0188096103	LINER; NYLON	EA	9809-	Up
3027	0275575109	WASHER; 1/4 FLAT, TYPE A-N, 300SS	EA	9809-	Up
3028	0275572107	WASHER; #10 S/L REGULAR, 300SS	EA	9809-	Up
3029	0275572109	WASHER; 1/4 S/L REGULAR, 300SS	EA	9809-	Up
3031	0275154403	SRHMS; #10-32X3/8, 300SS	EA	9809-	Up
3032	0275295105	HHCS; 1/4-20X7/8, 300SS	EA	9809-	Up
3033	0275295102	HHCS; 1/4-20X1/2, 300SS	EA	9809-	Up
3035	0275295105	HHCS; 1/4-20X7/8, 300SS	EA	9809-	Up
3036	0275295109	HHCS; 1/4-20X1 1/2, 300SS	EA	9809-	Up
3038	0275566101	NUT; 1/4-20 HEX, 300SS	EA	9809-	Up
3039	0275573108	NUT; #10-32 HEX, 300SS	EA	9809-	Up
3050	0183957141	GUARD; SUPPORT	EA	9809-	Up
3052	0183957113	PLATE; MOUNTING	EA	9809-	Up
3053	0197661122	SPACER; TAPPED	EA	9809-	Up
3056	0183957107	BEARING; BLOCK	EA	9809-	Up
3057	0183957108	SHAFT; DRIVE A	EA	9809-	Up
3058	0199270139	BEARING; BALL	EA	9809-	Up
3059	0220006118	RING, RETAINING	EA	9809-	Up
3060	0903215101	ADHESIVE; "242" 50ML	BT	9809-	Up
3061	0275970502	CRTHS; 1/4-20 X 3/8, 300SS	EA	9809-	Up
3064	0271767301	POP RIVET; .125X.031-.125, 305SS	EA	9809-	Up
3065	0183957951	FRAME, FPT-180C	EA	9809-	Up
3069	0269503101	SHEAVE; SINGLE GROOVE	EA	9809-	Up
3070	0194085114	SPACER	EA	9809-	Up

0183957917 Spare Parts; FPT-180 Basic

Item	Part Number	Description	U/M	From Serial No.	To Serial No.
3072	0903206100	LOCTITE 609	BT	9809-	Up
3073	0960408109	GREASE; SUPER LUBE	CR	9809-	Up
3074	0275295108	HHCS; 1/4-20X1 1/4, 300SS	EA	9809-	Up
3075	0270101101	BRACKET; ANGLE MOUNTING	EA	9809-	Up
3076	0275901355	SFCMS; 10-32X1/2, 300SS	EA	9809-	Up
3077	0270145102	BRACKET; IDLER	EA	9809-	Up
3078	0275295109	HHCS; 1/4-20X1 1/2, 300SS	EA	9809-	Up
3079	0208867301	SCREW; SHOULDER SS	EA	9809-	Up
3080	0202064103	LABEL; WARNING	EA	9809-	Up

0183957004 Spare Parts; FPT-180 Input Mounting Bracket

Item	Part Number	Description	U/M	From Serial No.	To 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	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

0183957005 Spare Parts; FPT-180 Discharge Mounting Bracket

Item	Part Number	Description	U/M	From Serial No.	To 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	0183957996	FPT TO 12" GRAVITY CONVEYOR	EA	9809-	Up
3600	0183957999	FPT TO 12" WIDE GC CANTILEVER	EA	9809-	Up

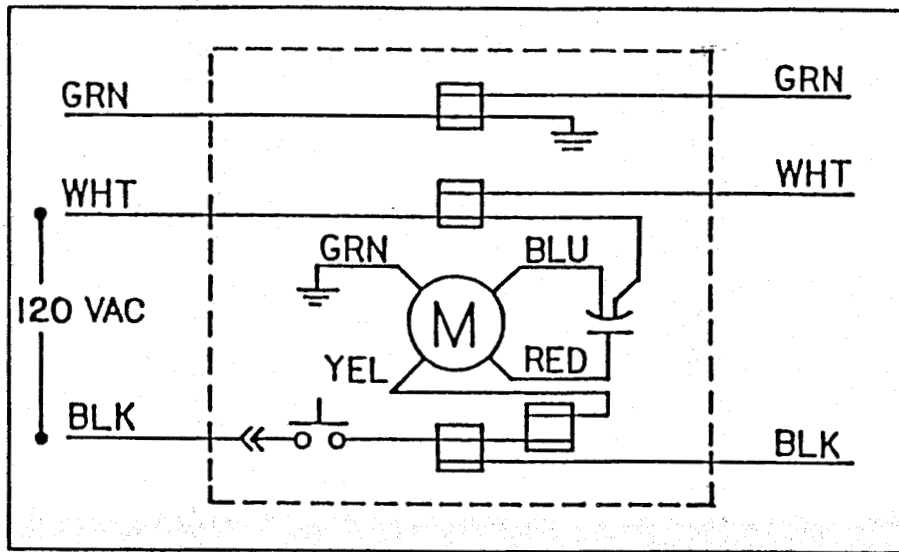
0183957918 Spare Parts; Packing

Item Part Number	Description	U/M	From Serial No.	To Serial No.
4001 0205102802	M/A PACK FPT180	RF	9809-	Up
4002 0205034121	CARTON; FOLDER 45 X 23.25 X 2	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 0183957993	MANUAL; FPT-180 OPERATOR	EA	9809-	Up
4009 0183957981	FRAME; LEG	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 0205164102	CARTON	EA	9809-	Up
4023 0205163101	CARTON; LID B	EA	9809-	Up
4024 0961806103	STRAPPING NYLON	RL	9809-	Up

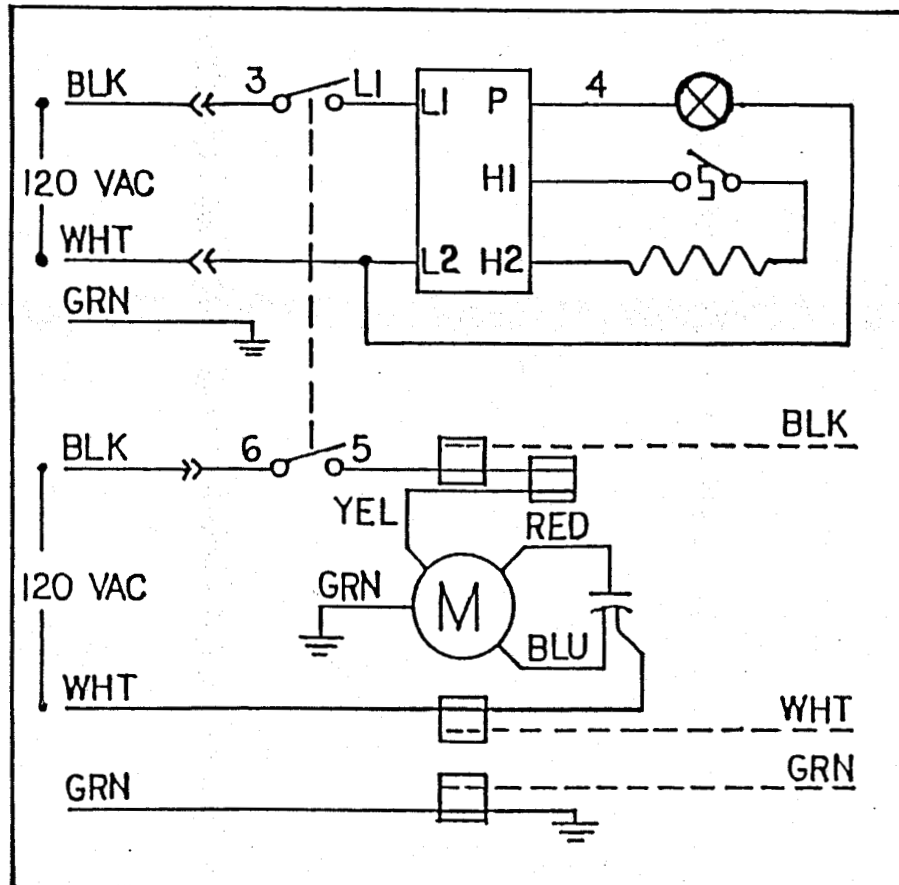
0183957001 Spare Parts; FPT Height Feature

Item Part Number	Description	U/M	From Serial No.	To 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

WIRING DIAGRAMS



CB/FPT CONVEYORS



HB CONVEYOR

13. 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.

Notes

Notes

