

***FEEDMAX***

***SYSTEM***

***IJ SERIES***

***Parts Manual***



***SURE-FEED ENGINEERING***

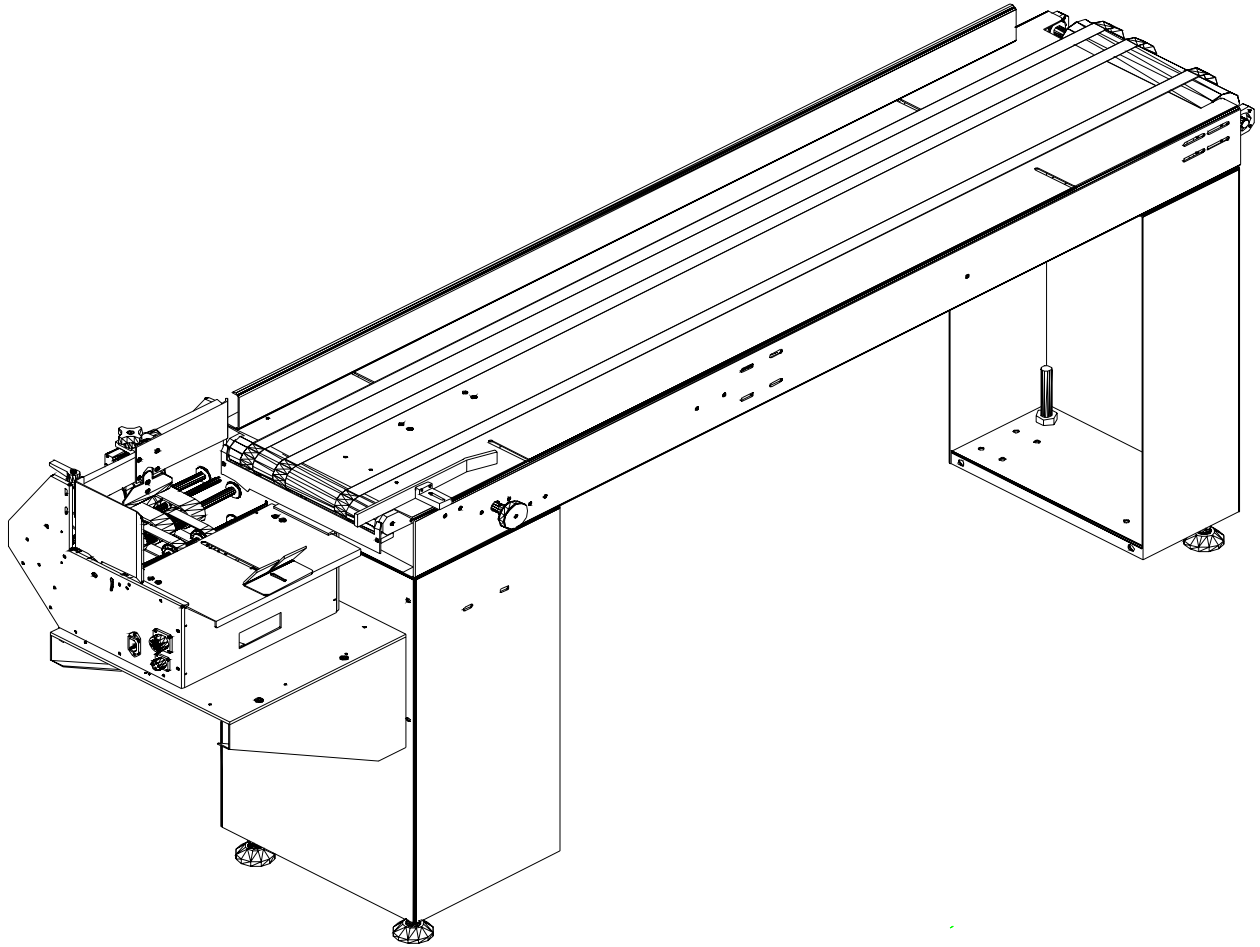
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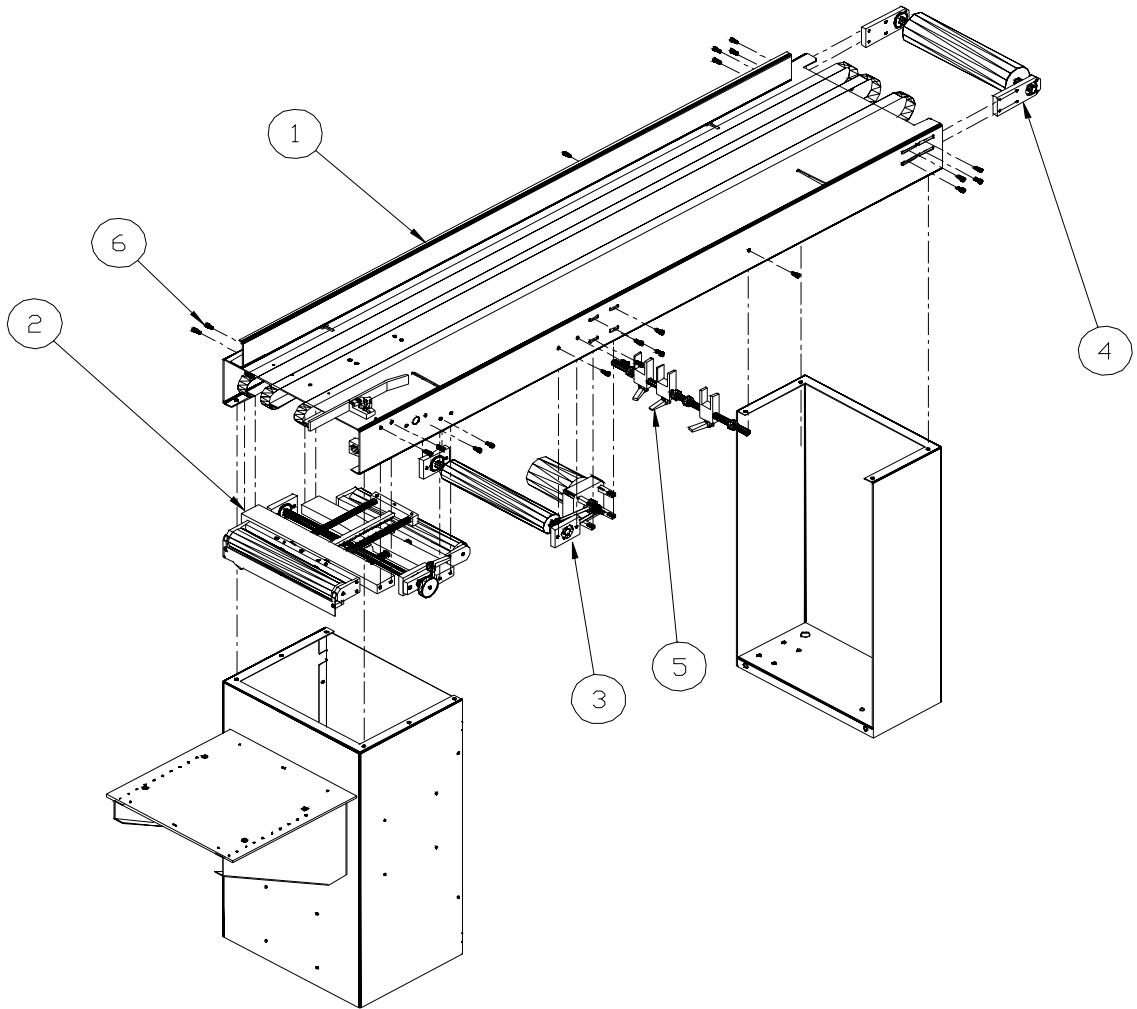
# ***FEEDMAX SYSTEM***



## **FEEDMAX CONVEYOR ASSEMBLY (Fig. 1)**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	SEE FIG.2	1	CONVEYOR FRAME ASSEMBLY
2	SEE FIG. 3	1	ADJUSTABLE PULLEY ASSEMBLY
3	SEE FIG. 4	1	DRIVE ASSEMBLY
4	SEE FIG. 5	1	IDLER PULLEY ASSEMBLY
5	SEE FIG. 6	1	BELT GUIDE ASSEMBLY
6		30	SCREW, SKT HD, 1/4-20 X 5/8
7	SEE FIG. 12	1	ELECTRICAL ASSEMBLY, CONVEYOR (NOT SHOWN)

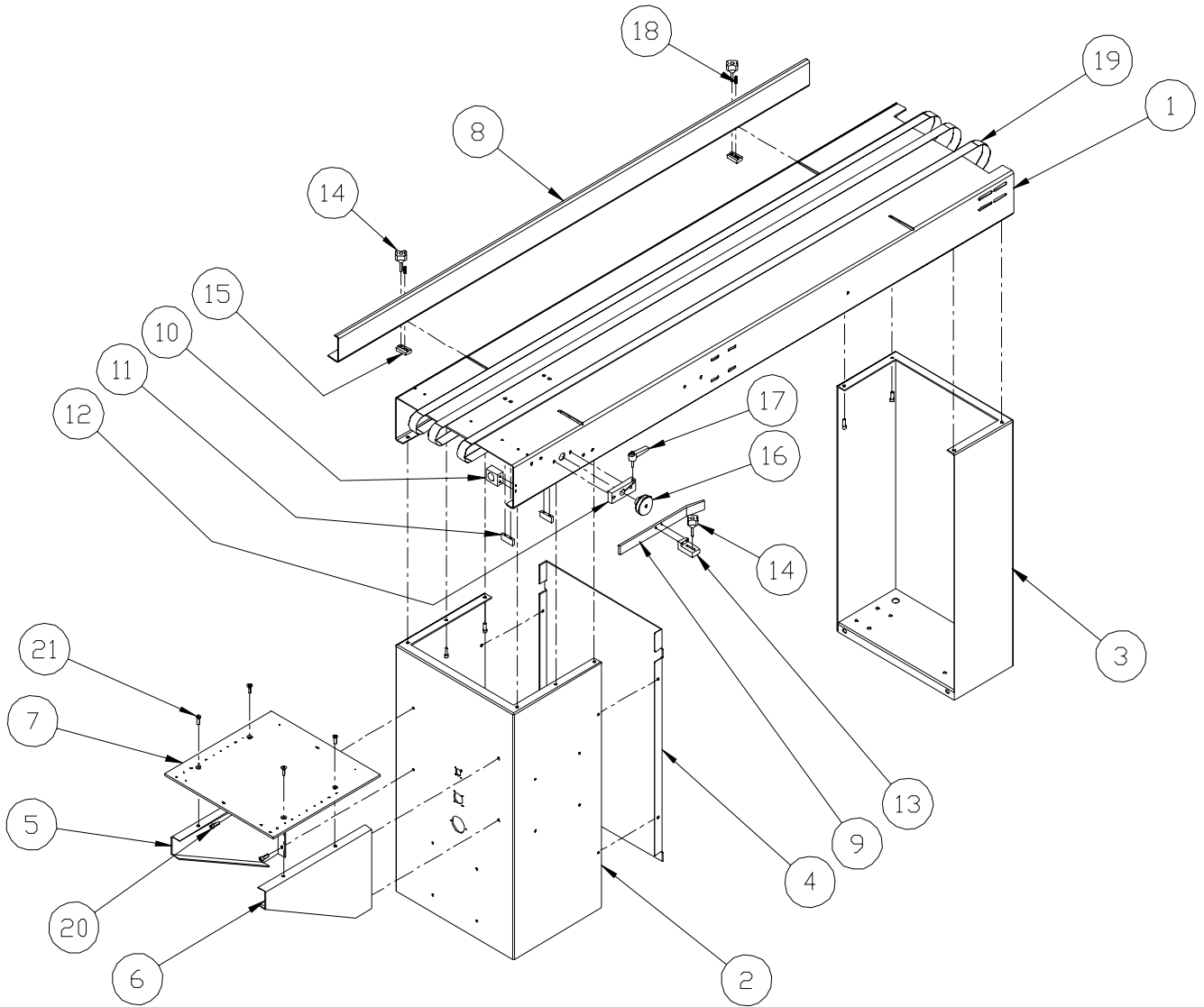
FIG. 1



**FEEDMAX CONVEYOR (Fig. 2)  
FRAME ASSEMBLY**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	12000-016	1	SIDEFAME, FEEDMAX CONVEYOR
2	12010-013	1	LEG, CONVEYOR DRIVE, 36"
3	12010-001	1	LEG, CONVEYOR IDLE
4	12013-014	1	GUARD, CONVEYOR DRIVE LEG
5	12010-011	1	SUPPORT, LH, FEEDER
6	12010-012	1	SUPPORT, RH, FEEDER
7	12011-029	1	PLATE, FEEDER MTG.
8	12005-023	1	GUIDE, RH SIDE
9	12005-010	1	GUIDE, LH SIDE
10	12007-026	1	BLOCK, SENSOR HOSE MTG.
11	12008-019	1	BAR, STOP
12	12007-025	1	BLOCK, CLAMP
13	12007-008	1	BLOCK, SIDE GUIDE MTG (SHORT)
13	12007-016	1	BLOCK, SIDE GUIDE MTG (LONG)
14	99004-019	4	KNOB, MALE, 10-24 X 3/4
15	10007-074	3	NUT, PAPER SLIDE (SHORT)
16	12015-001	1	KNOB, ALUM, 5/8 BORE
17	99004-003	1	HANDLE, RACHET, 10-24
18	99006-020	2	ROLL PIN, 5/32 X 3/4
19	99000-126	2	BELT, ENDLESS, 1"W X 171"L
20		4	SCREW, SKT HD, 1/4-20 X 5/8

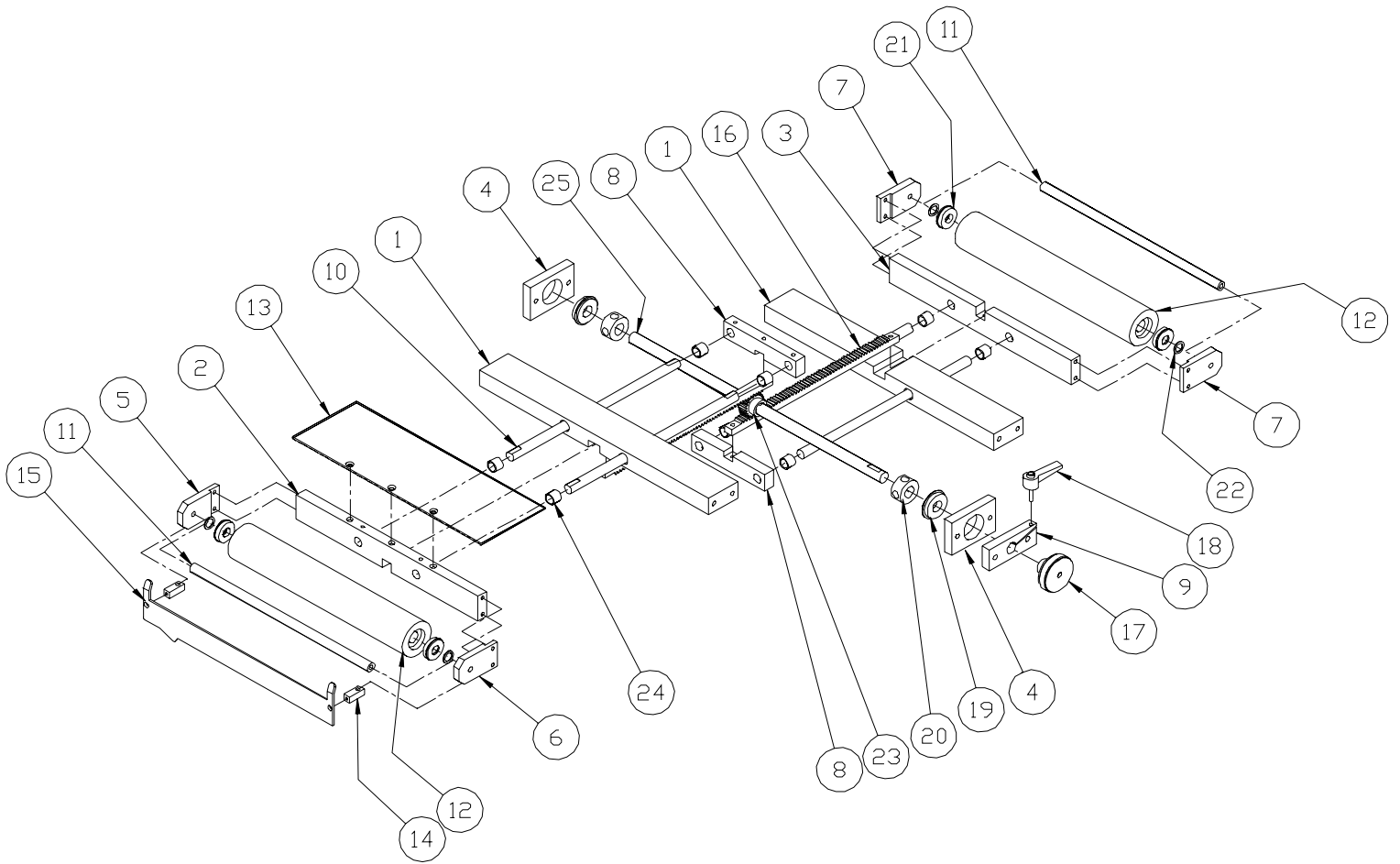
FIG. 2



**FEEDMAX CONVEYOR (Fig. 3)  
ADJUSTABLE PULLEY ASSEMBLY**

ITEM	PART NO.	QTY.	DESCRIPTION
1	12003-002	2	CROSSBAR, GUIDE, SHAFT MTG.
2	12008-018	1	BAR, ADJ PULLEY MTG. (OUTSIDE)
3	12008-015	1	BAR, ADJ PULLEY MTG. (INSIDE)
4	12007-022	2	BLOCK, BEARING MTG, 5/8
5	12007-020	1	BLOCK, ADJ PULLEY MTG, RH
6	12007-019	1	BLOCK, ADJ PULLEY MTG, LH
7	12007-023	2	BLOCK, ADJ PULLEY MTG.
8	12008-016	2	GUIDE, SHAFT SUPPORT
9	12007-025	1	BLOCK, SHAFT CLAMP
10	12004-021	4	SHAFT, ADJ PULLEY GUIDE
11	12004-024	2	SHAFT, IDLER, 1/2"
12	12006-015	1	PULLEY, IDLER, 2" D X 12" W
13	12011-028	1	PLATE, TOP EXTENSION
14	12007-021	2	BLOCK, REAR SIDE GUIDE MTG.
15	12005-022	1	GUIDE, REAR SIDE, RH 90 DEG.
15	12005-024	1	GUIDE, REAR SIDE, LH 90 DEG.
16	12008-017	2	RACK, 11.5" LONG (16D.P., 14.5 DEG. P.A.)
17	12015-001	1	KNOB, ALUM, 5/8 BORE
18	99004-019	1	RACHET, MALE, 10-24 X 3/4
19	99003-006	2	BEARING, 5/8 X 1-3/8, SEALED W/ S.R.
20	99017-005	2	COLLAR, SET, 5/8
21	99003-007	4	BEARING, 1/2 X 1-1/8, SEALED W/ S.R.
22	99003-018	4	WASHER, NYLON, 1/2 X 1/16
23	99021-006	1	PUR GEAR, 20T, 16 D.P., 14.5 DEG P.A.
24	99003-031	8	BUSHING, SLEEVE, 1/2 X 5/8 X 1/2
25	12004-023	1	SHAFT, CRANK, ADJ. PULLEY

*FIG. 3*



**FEEDMAX CONVEYOR (Fig. 4)**

## DRIVE ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	12007-022	2	BLOCK, BEARING, 5/8
2	99001-009	1	MOTOR, 32 RPM
3	12006-016	1	PULLEY, DRIVE, 2"D X 12" W
4	12004-022	1	SHAFT, STUB IDLER W/ FLATS
5	12004-025	1	SHAFT, STUB IDLER
6	10006-063	1	PULLEY, TIMING, 24XL037, 5/8 BORE
7	99002-008	1	PULLEY, MOTOR, 12XLO37
8	12012-001	4	STANDOFF, MOTOR
9	99003-006	2	BEARING, 5/8 X 1-3/8, SEALED W/ S.R.
10	99003-021	2	WASHER, NYLON, 5/8 X 1/16
11	99017-005	1	COLLAR, SET, 5/8
12	99000-003	1	BELT, TIMING, 120XL037

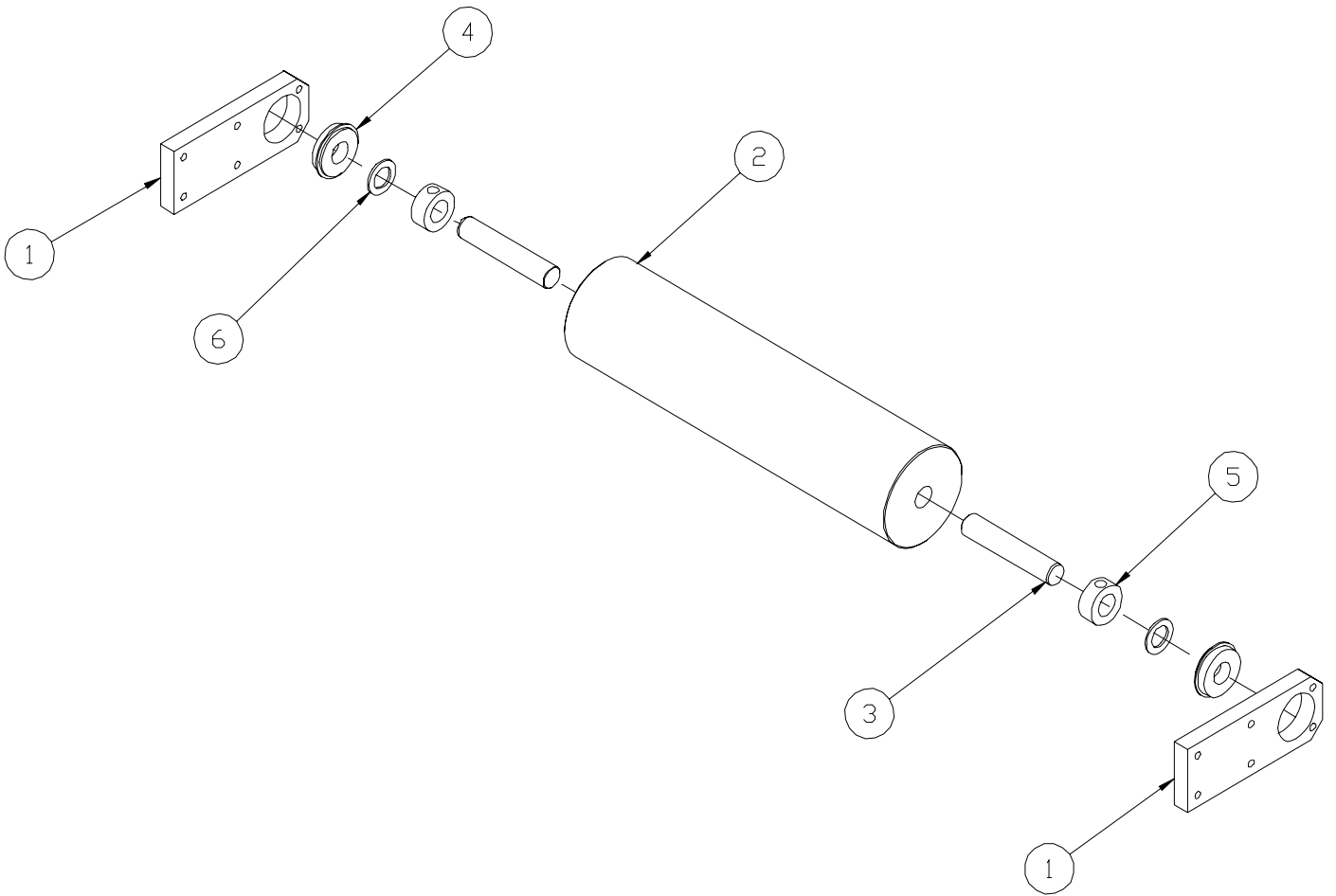
*FIG. 4*



**FEEDMAX CONVEYOR (Fig. 5)**  
**IDLER ASSEMBLY**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	12007-001	2	BLOCK, BEARING, 5/8
2	12006-017	1	PULLEY, IDLER, 3" D X 12" W
3	12004-025	2	SHAFT, STUB IDLER
4	99003-006	2	BEARING, 5/8 X 1-3/8 SEALED W/ S.R.
5	99017-005	2	COLLAR, SET, 5/8
6	99003-021	2	WASHER, NYLON, 5/8 X 1/16

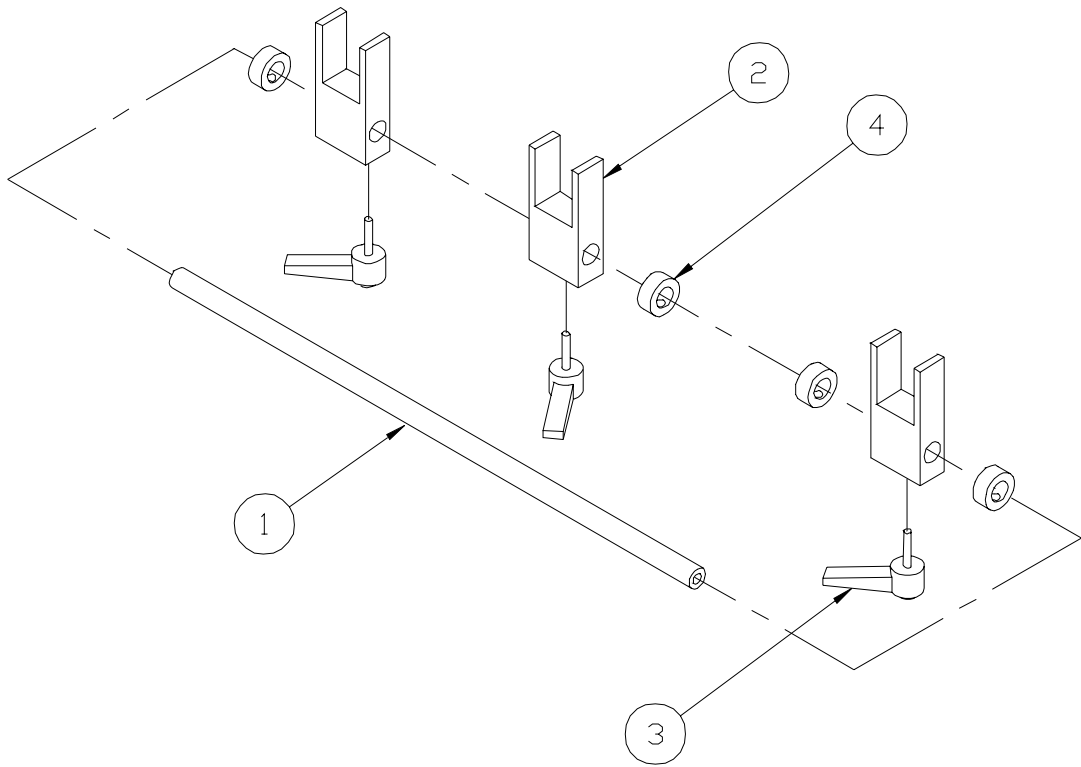
*FIG. 5*



**FEEDMAX CONVEYOR (Fig. 6)**  
**BELT GUIDE ASSEMBLY**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	12004-005	1	SHAFT, BELT GUIDE MTG.
2	16005-003	3	BELT GUIDE, 1"
3	99004-003	3	HANDLE, RATCHET, 10-24 X 1/2
4	99017-004	4	COLLAR, SET, 1/2

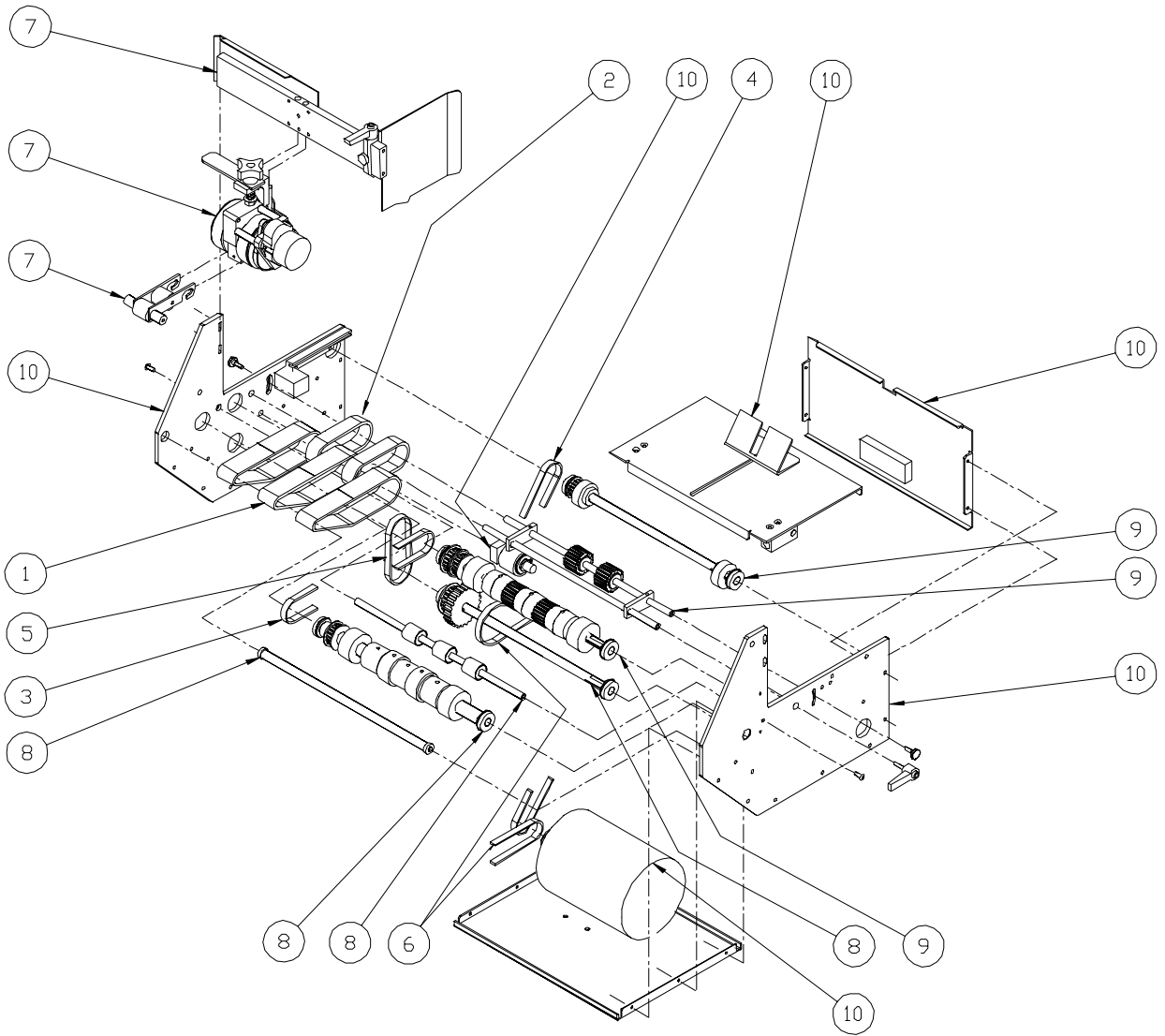
FIG. 6



## **FEEDMAX FEEDER ASSEMBLY (Fig. 7)**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
1	99000-133	3	BELT, RED GUM, GROOVED
2	99000-134	2	BELT, TIMING, ELEVATOR, GROOVED
3	99000-001	1	BELT, TIMING, 90XL037
4	99000-041	1	BELT, TIMING, 100XL037
5	99000-002	1	BELT, TIMING, 110XL037
6	99000-027	1	BELT, TIMING, 160XL037
7	SEE FIG. 8		SEPERATOR / SIDE GUIDE / TRAILING ARM ASSY
8	SEE FIG. 9		FRONT / NIP / IDLER / JACK SHAFT ASSEMBLIES
9	SEE FIG. 10		MAIN / ELEVATOR / CAM SHAFT ASSEMBLIES
10	SEE FIG. 11		CHASSIS / TENSIONER / MOTOR ASSEMBLIES
11	SEE FIG. 13		ELECTRICAL ASSEMBLY, FEEDER (NOT SHOWN)

FIG. 7



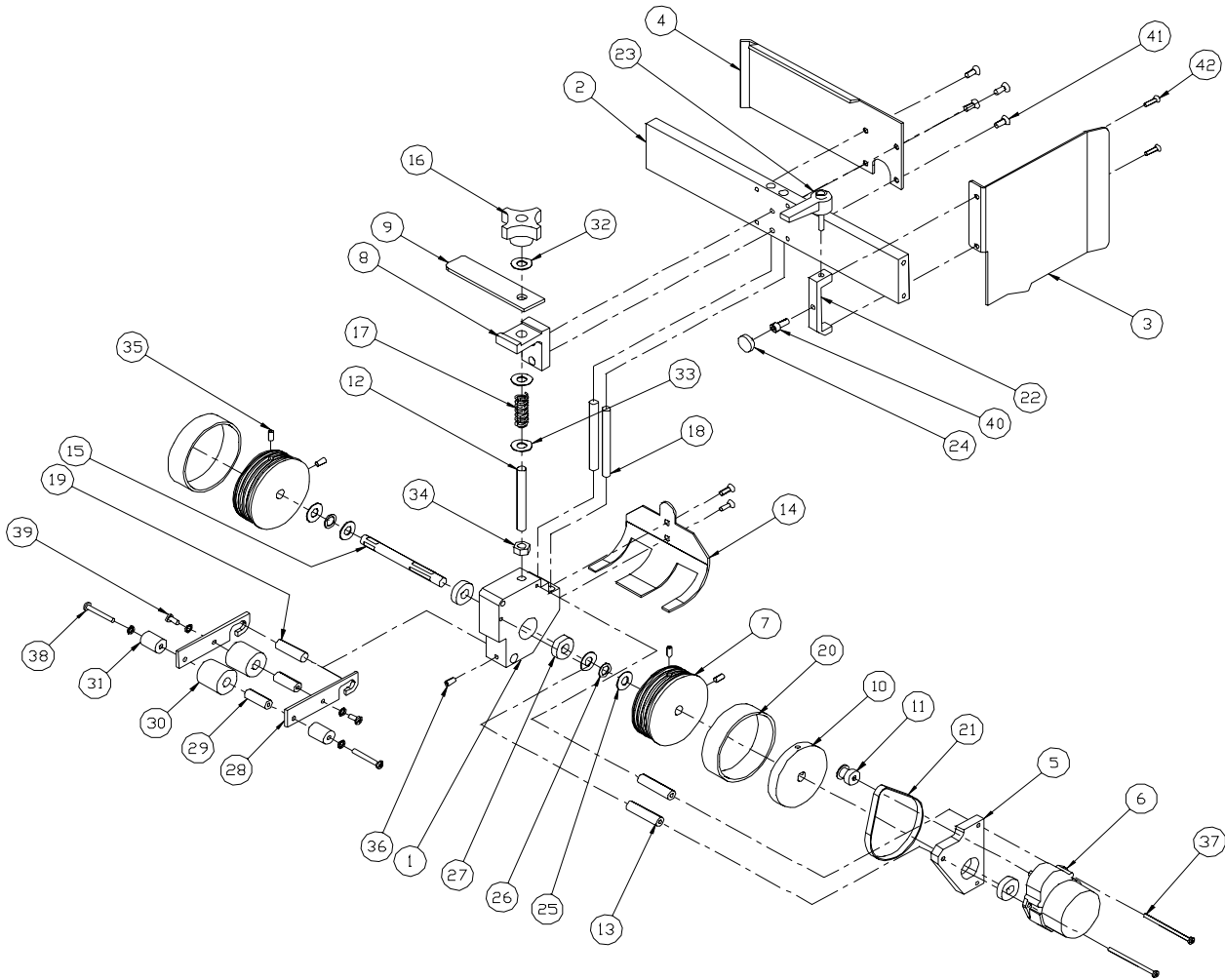
**FEEDMAX FEEDER (Fig. 8)**  
**SEPERATOR / SIDE GUIDE / TRAILING ARM ASSEMBLIES**

ITEM	PART NO.	QTY.	DESCRIPTION
1	10007-001	1	BLOCK, SEPERATOR, 3" ROLLER
2	10003-002	1	CROSS BAR, 1200 IJ
3	10005-087	1	SIDE GUIDE, LH, LONG
	10005-086	1	SIDE GUIDE, RH LONG (OPTION)
	10005-101	1	SIDE GUIDE, LH SHORT (OPTION)
	10005-102	1	SIDE GUIDE, RH SHORT (OPTION)
4	10005-085	1	GUIDE, FRONT, RH, 90 DEG
5	10011-001	1	PLATE, SEPERATOR MOTOR MTG.
6	99001-001	1	MOTOR, SEPERAOTR
7	10006-001	2	WHEEL, SEPERATOR, 3"
8	10007-010	1	BLOCK, SEPERATOR ADJ.
9	10008-024	1	BAR, SEPERAOTR RELEASE
10	99002-001	1	PULLEY, 100MXL025, NO HUB, 3/8 BORE
11	99002-002	1	PULLEY, 16MXL025, 3/16 BORE
12	10004-028	1	STUD, SEPERATOR ADJUSTING
13	10012-002	2	STANDOFF, SEPERATOR MOTOR
14	10005-003	1	SHROUD, SEPERATOR
15	10004-001	1	SHAFT, SEPERATOR
16	99004-001	1	KNOB, 5/16-24 FEMALE
17	10019-001	1	SPRING, COMPRESSION
18	99006-002	2	PIN, DOWELL, 5/16 X 3
19	99006-001	1	PIN, DOWEL, 3/8 X 1-1/4
20	10014-001	2	BELT, SEPERATOR, 3"
21	99000-006	1	BELT, TIMING, 115MXL025
22	10009-002	1	BRACKET, SIDE GUIDE MTG.
23	99004-003	2	HANDLE, RACHET, 10-24
24	99004-002	2	KNOB, #10 SCREW
25	99003-017	5	WASHER, NYLON, 3/8 X 1/16
26	99003-016	2	WASHER, NYLON, 3/8 X 1/32
27	99003-008	3	BEARING, SELAED, 3/8 X 7/8
28	10011-002	2	PLATE, TRIALING ARM

**FEEDMAX FEEDER (Fig. 8)**  
**SEPERATOR / SIDE GUIDE / TRAILING ARM ASSEMBLIES**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
29	10012-003	2	SPACER
30	10006-016	2	ROLLER (EXIT RAMP)
31	10004-016	2	WEIGHT
32	99003-015	1	WASHER, NYLON, 5/16 X 1/16
33		2	WASHER, FLAT, 5/16
34		1	NUT, HEX HEAD, 5/16-24
35		4	SET SCREW, 10-32 X 3/8
36		1	SET SCREW, 8-32 X 1/8
37		2	SCREW, PAN HEAD, 6-32 X 2-1/2
38		2	SCREW, BUTTON HEAD, 8-32 X 1-1/4
39		2	SCREW, BUTTON HEAD, 8-32 X 1/2
40		1	SCREW, SKT HD, 10-24 X 1/2
41		4	SCREW, FLAT HEAD, 6-32 X 1/2
42		2	SCREW, FLAT HEAD, 10-24 X 3/8

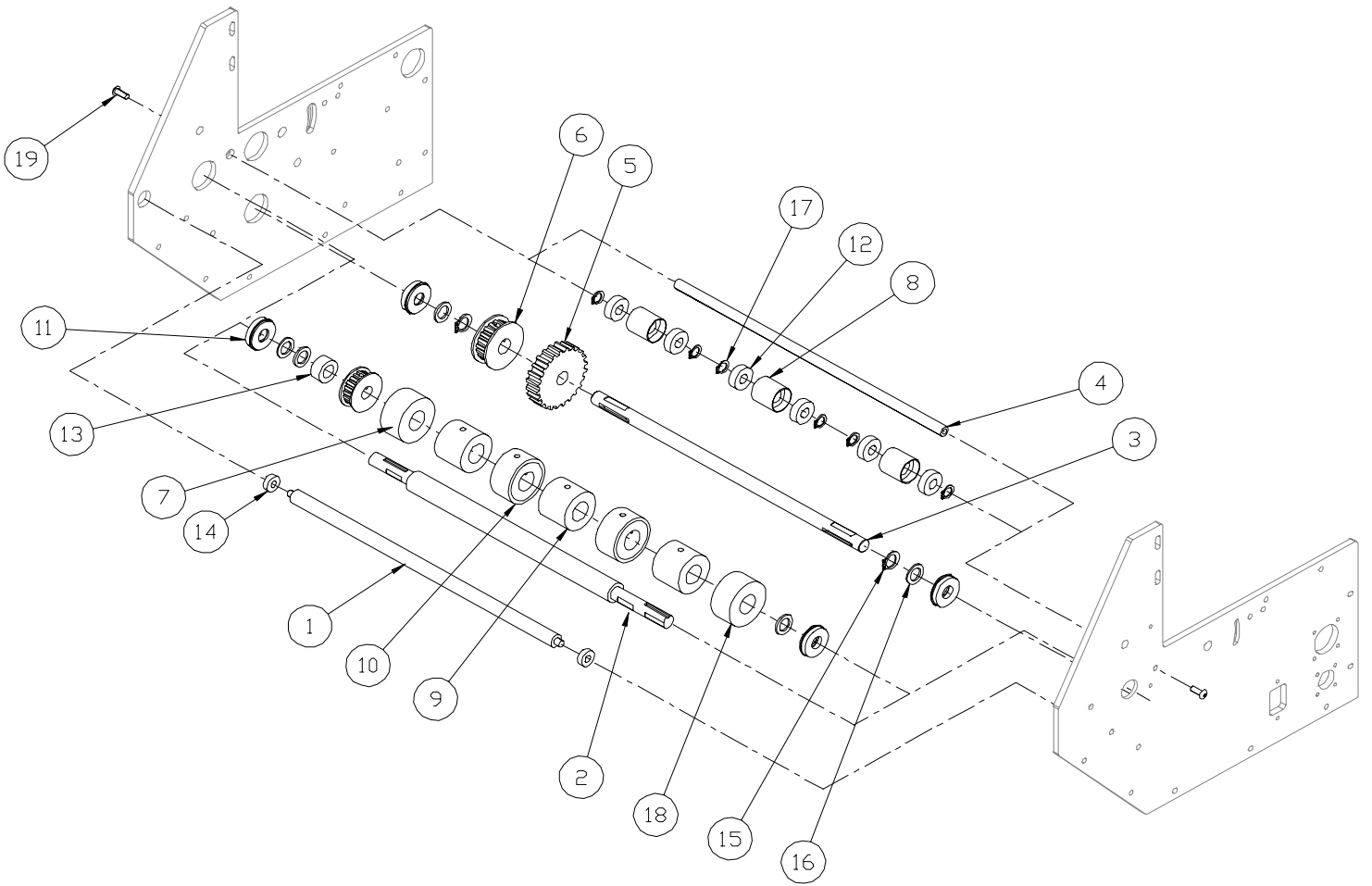
FIG. 8



**FEEDMAX FEEDER (Fig. 9)**  
**FRONT / NIP / IDLER / JACK SHAFT ASSEMBLIES**

ITEM	PART NO.	QTY.	DESCRIPTION
1	10004-024	1	SHAFT, FRONT
2	10004-132	1	SHAFT, NIP ROLLER
3	10004-022	1	SHAFT, JACK
4	10004-023	1	SHAFT, IDLER
5	99002-005	1	PULLEY, TIMING, 36XL037
6	99002-006	1	PULLEY, TIMING, 24XL037
7	99002-054	1	PULLEY, TIMING, 20XL037
8	10006-012	3	ROLLER, IDLER
9	10006-071	3	PULLEY, MATE, 3/4 BORE
10	10006-070	2	ROLLER, NIP, 3/4 BORE
11	99003-007	4	BEARING, 1/2 X 1-1/8, SEALED W/ S.R.
12	99003-008	6	BEARING, 3/8 X 7/8, SEALED W/ S.R.
13	99017-004	1	COLLAR, SET, 1/2
14	99003-002	2	BEARING, 1/4 X 5/8, SELAED
15	99022-004	2	SNAP RING, 1/2
16	99003-018	5	WASHER, NYLON, 1/2 X 1/16
17	99022-003	6	SNAP RING, 3/8
18	10006-069	2	ROLLER, FEEDER, 3/4 BORE
19		2	SCREW, BUTTON HEAD, 10-24 X 1/2

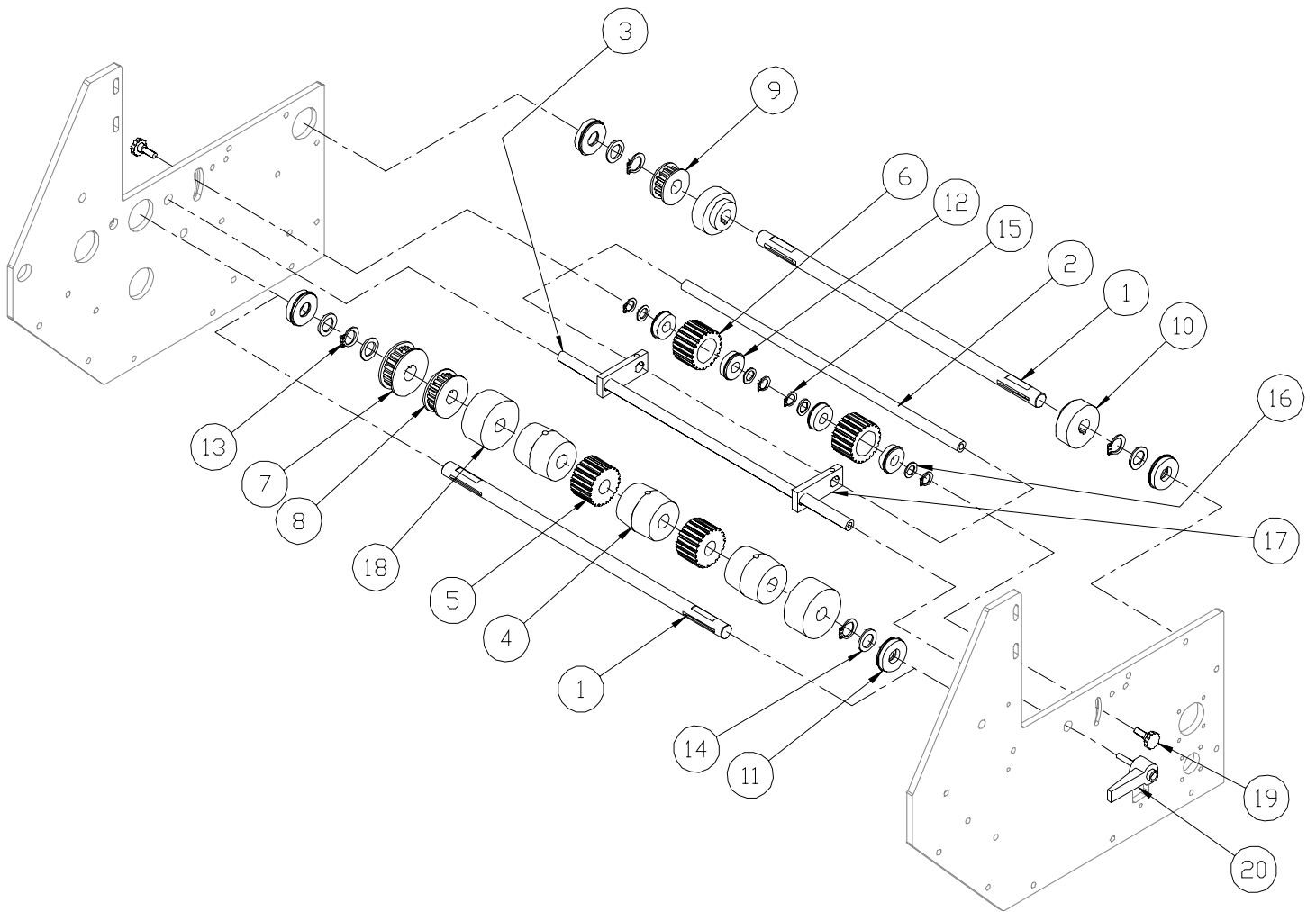
FIG. 9



**FEEDMAX FEEDER (Fig. 10)**  
**MAIN / ELEVATOR / CAM SHAFT ASSEMBLIES**

ITEM	PART NO.	QTY.	DESCRIPTION
1	10004-022	2	SHAFT, MAIN
2	10004-023	1	SHAFT, IDLER
3	10004-014	1	SHAFT, ELEVATOR ADJ.
4	10006-018	3	PULLEY, CROWNED
5	10006-021	2	PULLEY, DRIVE, 22XL875
6	10006-022	2	PULLEY, IDLE, 24XL875
7	99002-074	1	PULLEY, TIMING, 22XL037, 1/2 BORE (NO HUB)
8	99002-054	1	PULLEY, TIMING, 20XL037
9	99002-054	1	PULLEY, TIMING, 20XL037
10	10006-048	2	CAM
11	99003-007	4	BEARING, 1/2 X 1-1/8, SEALED W/ S.R.
12	99003-008	4	BEARING, 3/8 X 7/8, SEALED
13	99022-004	2	SNAP RING, 1/2
14	99003-018	3	WASHER, NYLON, 1/2 X 1/16
15	99022-003	4	SNAP RING, 3/8
16	99003-017	4	WASHER, NYLON, 3/8 X 1/16
17	10007-068	2	BLOCK, ELEVATOR BELT ADJ.
18	99004-003	1	HANDLE, RACHET, 10-24
19	99004-002	2	KNOB, #10 SCREW

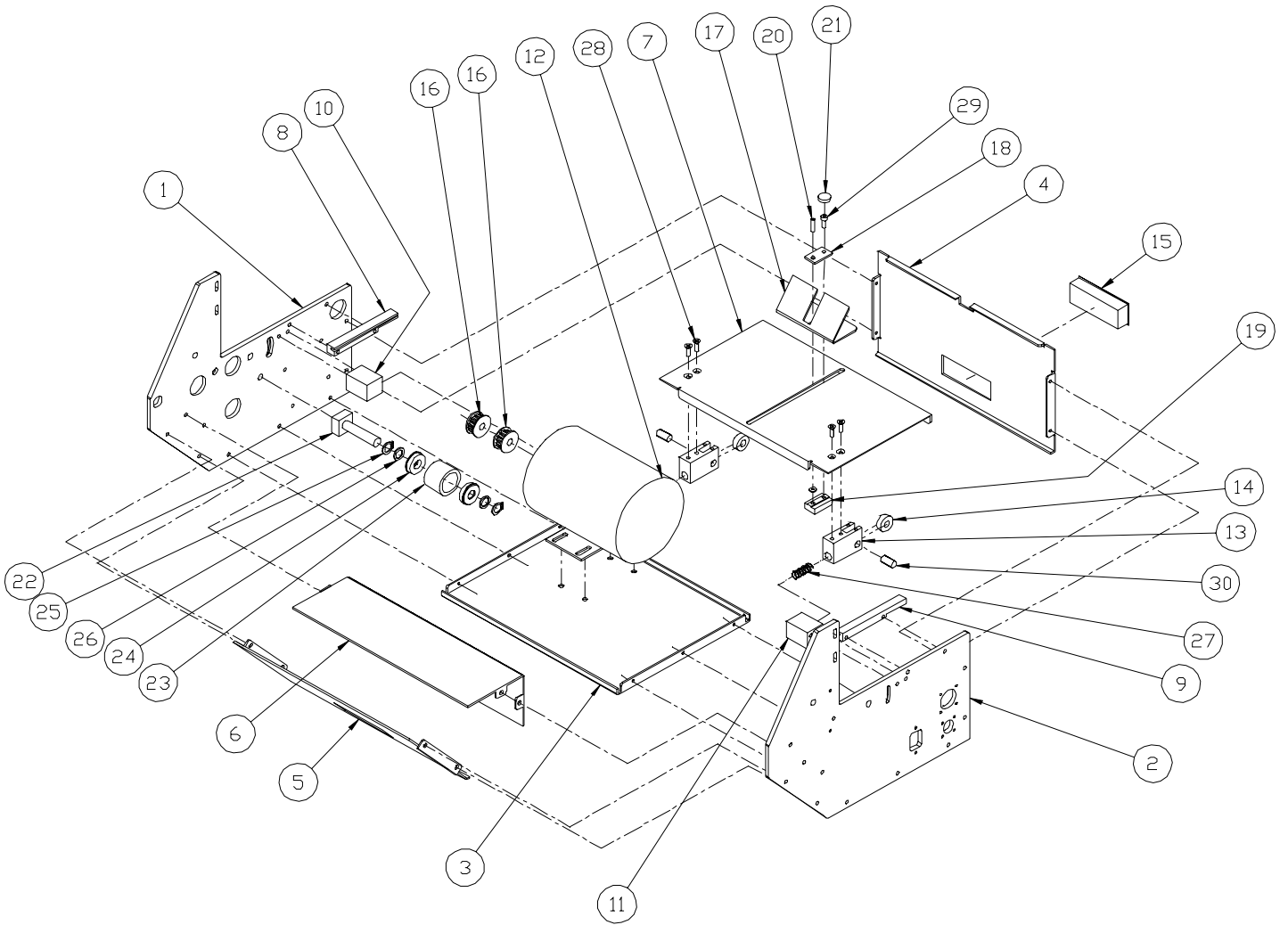
FIG. 10



**FEEDMAX FEEDER (Fig. 11)**  
**CHASIS / TENSIONER / MOTOR ASSEMBLIES**

ITEM	PART NO.	QTY.	DESCRIPTION
1	10000-044	1	SIDE FRAME, RH, FEEDMAX
2	10000-050	1	SIDE FRAME, LH, FEEDMAX (IJ SERIES)
3	10002-010	1	COVER, BOTTOM
4	10001-030	1	COVER, REAR
5	10001-029	1	COVER, FRONT
6	10001-031	1	COVER, ELECTRONICS
7	10011-021	1	COVER, TOP PLATE (VIBRATING)
8	10007-052	1	BLOCK, CHANNEL, RH
9	10007-051	1	BLOCK, CHANNEL, LH
10	10007-054	1	BLOCK, CAM SPRING ANCHOR, RH
11	10007-053	1	BLOCK, CAM SPRING ANCHOR, LH
12	99001-012	1	MOTOR, 1/6 HP, 42 FRAME
13	10007-055	2	BLOCK, CAM FOLLOWER MTG.
14	99003-008	2	BEARING, 3/8 X 7/8
15	99012-002	2	HANDLE, POCKET PULL
16	99002-030	2	PULLEY, TIMING, 16XL037, 3/8 BORE
17	10005-088	1	GUIDE, REAR WEDGE, 3-1/4" W
	10005-103	1	GUIDE, REAR WEDGE, EXTENDED (OPTION)
	10005-104	1	GUIDE, REAR WEDGE, 5-1/2" W (OPTION)
18	10007-004	1	WASHER, PAPER SLIDE
19	10007-003	1	NUT, PLATE SLIDE
20	99006-020	1	ROLL PIN, 5/32 X 3/4
21	99004-002	1	KNOB, #10 SCREW
22	18004-022	1	SHAFT, ECCENTRIC, .5 DIAM X 2.00" LONG
23	18006-012	1	PULLEY, FLAT IDLER
24	99003-007	2	BEARING, 1/2 X 1-1/8, SEALED W/ S.R.
25	99022-004	2	SNAP RING, 1/2
26	99002-018	2	WASHER, NYLON, 1/2 X 1/16
27	99005-006	2	SPRING, COMPRESSION
28		4	SCREW, FLAT HEAD, 10-24 X 1/2
29		1	SCREW, SKT HEAD, 10-14 X 3/4
30	99006-005	2	PIN, DOWEL, 3/8 X 3/4

FIG. 11



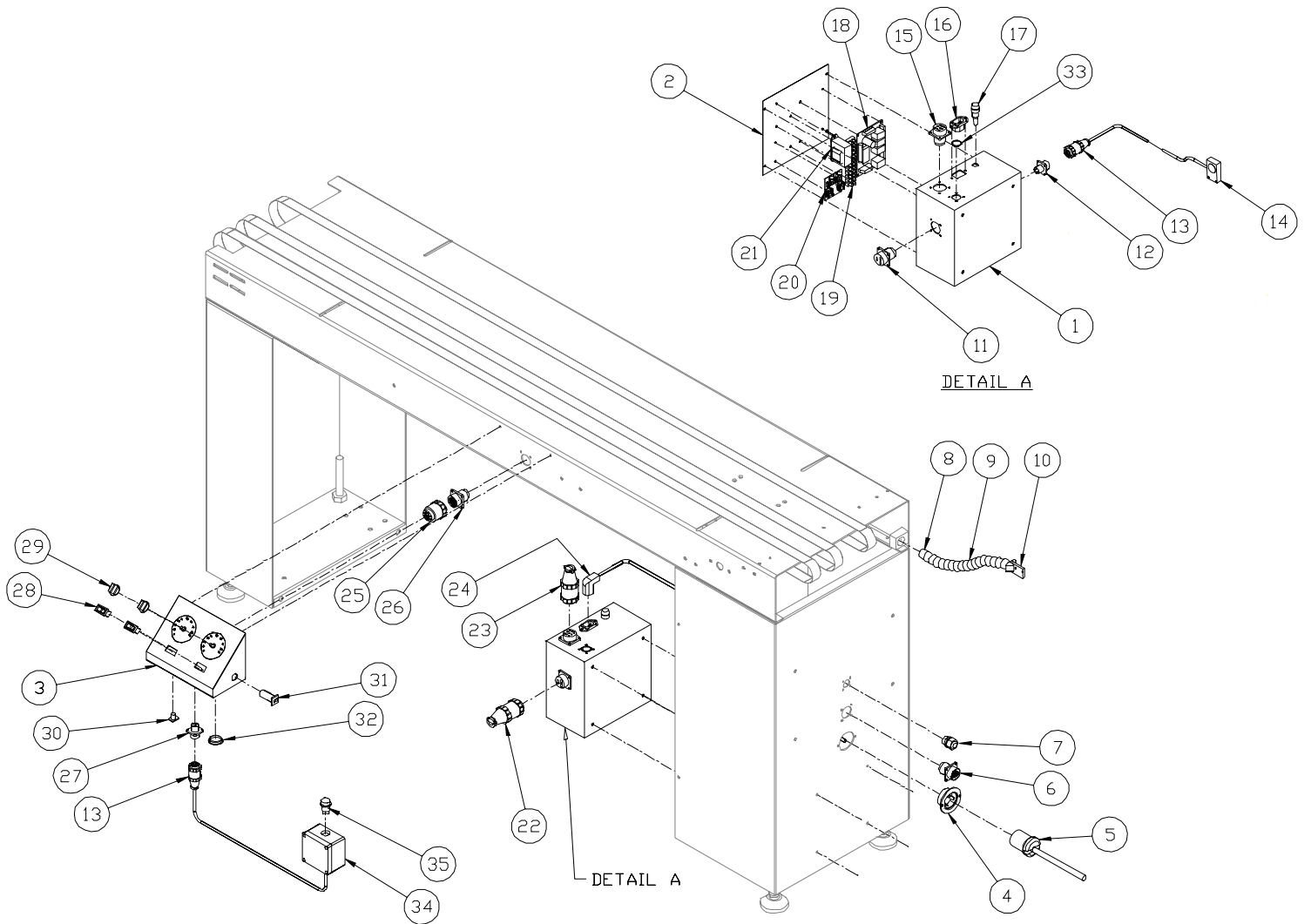
## ELECTRICAL - FEEDMAX CONVEYOR (Fig. 12)

ITEM	PART NO.	QTY.	DESCRIPTION
1	12013-015	1	ENCLOSURE, ELCTRICAL CONTROL
2	12013-017	1	COVER, CONTROL ENCLOSURE
3	10013-016	1	ENCLOSURE, CONTROL CONSOLE
4	98016-074	1	RECEPTICAL, HUBBEL, 3 PIN, 115V
5	98016-073	1	PLUG, HUBBEL, 3PIN, 115V
6	98016-010	1	RECEPTICAL, SQ FL, AMP, 17-16 MALE
7	98015-001	1	STRAIN RELIEF, 1/2"
8	98019-053	1	CONNECTOR, 1/2 NPT, MALE
9	98019-055	1.5 ft	HOSE SEGMENTS, 1/2"
10	98019-054	1	NOZZLE, SENSOR MTG.
11	98016-002	1	RECEPTICAL, SQ FL, AMP, 17-3 FEMALE
12	98016-011	1	RECEPTICAL, SQ FL, AMP, 11-4 FEMALE
13	98016-029	2	PLUG, AMP, 11-4 MALE W/
	98016-015	2	BACKSHELL, PLASTIC, SIZE 11
14	98009-001	1	SENSOR, BANNER AN7
15	98016-093	1	RECEPTICAL, SQ FL, AMP, 17-9 FEMALE
16	98003-001	1	RECEPTICAL, POWER CORD
17	98004-027	1	HOLDER, FUSE W/
	98004-018	1	FUSE, 3 AMP, 250V, 5X20MM
18	98023-005	1	I/O BOARD, FEEDMAX
19	98001-002	1	TERMINAL STRIP, 12 POSITION
20	98005-001	1	MOTOR CONTROLLER, 90V DC W/ SPEED POT
21	98008-001	1	TRANSFORMER
22	98016-004	1	PLUG, AMP, 17-3 MALE W/
	98016-005	1	BACKSHELL, PLASTIC, SIZE 17
23	98016-094	1	PLUG, AMP, 17-9 MALE W/
	98016-005	1	BACKSHELL, PLASTIC, SIZE 17
24	98007-001	1	POWER CORD, 90 DEG ANGLED
25	98016-092	1	PLUG, AMP, 17-14 MALE
26	98016-091	1	RECEPTICAL, SQ FL, AMP, 17-14 FEMALE
27	98016-011	1	RECEPTICAL, SQ FL, AMP, 11-4 FEMALE
28	98000-001	2	POWER SWITCH, RED ROCKER (LARGE)

## **ELECTRICAL - FEEDMAX CONVEYOR (Fig. 12)**

<b>ITEM</b>	<b>PART NO.</b>	<b>QTY.</b>	<b>DESCRIPTION</b>
29	99004-015	2	KNOB, SPEED POT
30	98000-033	1	ROCKER SWITCH, RED (SMALL)
31		1	CIRCUIT BREAKER, 5 AMP
32	98015-012	1	FINISHING, PLUG, 1-1/8 HOLE, BLACK PLASTIC
33	98015-021	1	FINISHING, PLUG, 3/4 HOLE, BLACK PLASTIC
34		1	MOUNTING BOX, INTERRUPT PUSH BUTTON
35		1	PUSH BUTTON, RED, INTERRUPT

FIG. 12



## ELECTRICAL - FEEDMAX FEEDER (Fig. 13)

ITEM	PART NO.	QTY.	DESCRIPTION
1	98003-001	1	RECEPTICAL, POWER CORD
2	98016-011	1	RECEPTICAL, SQ FL, AMP, 11-4 FEMALE
3	98016-093	1	RECEPTICAL, SQ FL, AMP, 17-9 FEMALE
4	98016-029	1	PLUG, AMP, 11-4 MALE
5	98016-094	1	PLUG, AMP, 17-9 MALE
6	98016-012	1	PLUG, AMP, 17-16 FEMALE
7	98007-001	1	POWER CORD, 90 DEG ANGLED
8	98016-015	1	BACKSHELL, PLASTIC, SIZE 11
9	98016-005	2	BACKSHELL, PLASTIC, SIZE 17
10	98005-001	1	CONTROLLER, MOTOR, 90VDC W/ SPEED POT
11	98001-002	1	TERMINAL STRIP, 12 POSITION
12	98002-002	2	SOCKET, RELAY
13	98002-024	1	RELAY, TIME DELAY, 24VDC / 24VAC
14	98002-001	1	RELAY, TIME DELAY

FIG. 13

