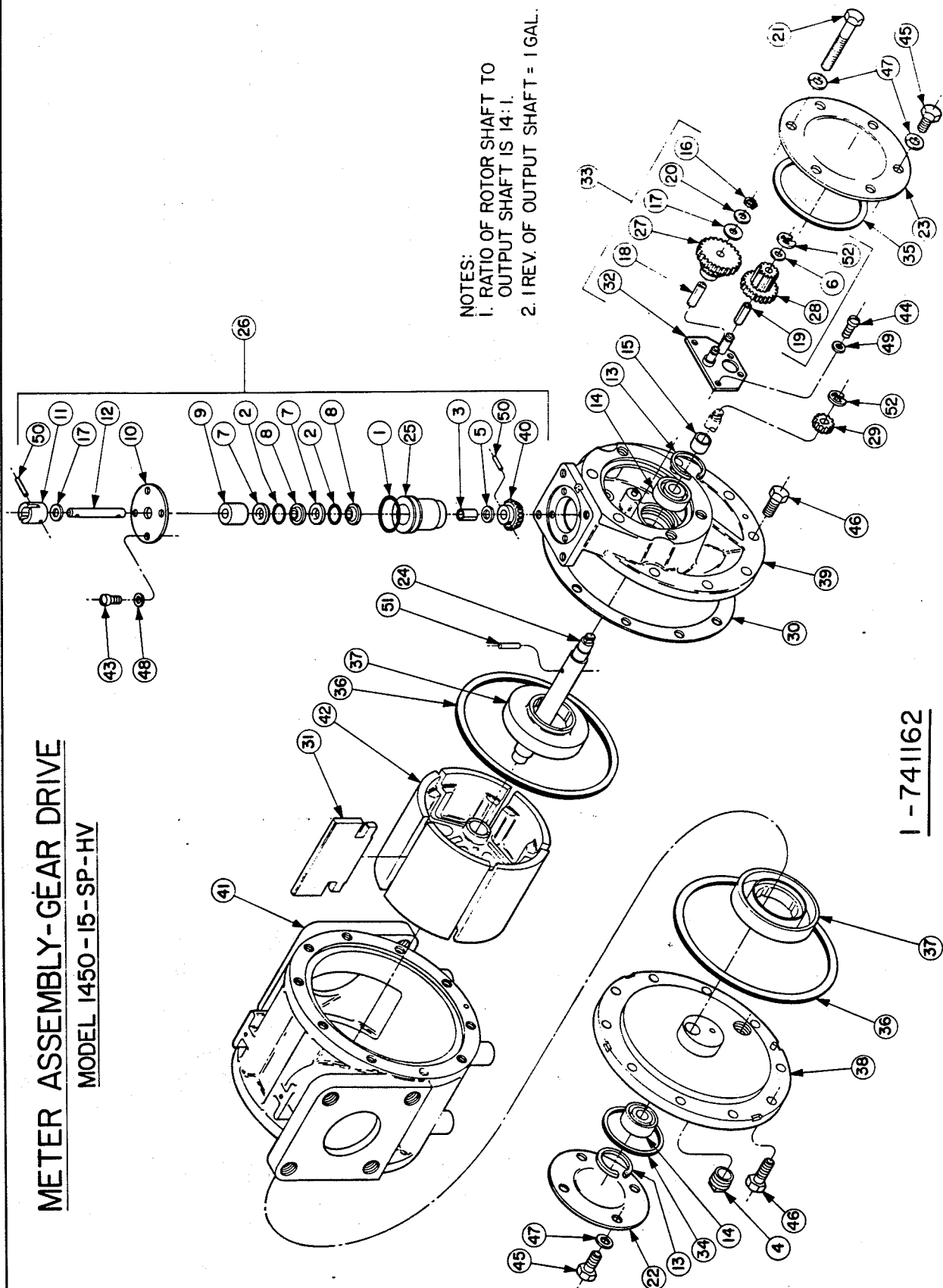


METER ASSEMBLY-GEAR DRIVE

MODEL 1450-15-SP-HV

NOTES:
1. RATIO OF ROTOR SHAFT TO
OUTPUT SHAFT IS 14:1.
2. 1 REV. OF OUTPUT SHAFT = 1 GAL.



1-741162

1-741162
1 of 1

METER ASSEMBLY, GEAR DRIVE (MODEL 1450-15-SP-HV)

<u>Item Part</u> <u>No. No.</u>		<u>Description</u>	<u>Item Part</u> <u>No. No.</u>	<u>Description</u>
1	17-37106	"O" RING	31	1-225077 BLADE "A" NOTE: PROPER BLADE
2	15-38210	"O" RING	2-225077	BLADE "B" SELECTION DETERMINED
3	5-125117	BEARING INSERT	3-225077	BLADE "C" BY USING BLADE
4	2-125936	1/4 SQ. HD. PIPE PLUG	4-225077	BLADE "D" IDENTIFIER LETTER STAMPED
5	1-126182	WASHER		ON SERIAL # PLATE.
6	1-126341	WASHER	226143-1	GEAR PLATE & SHAFT ASSEMBLY
7	2-126898	SEAL	226144-1	GEAR TRAIN ASSEMBLY
8	1-126902	SEAL RETAINING RING	22-311105	GASKET
9	1-127617	UPPER BEARING	36-311105	GASKET
10	1-127618	PACKING GLAND PLATE	44-311105	GASKET
11	1-127619	COUPLING	2-311803	BLADE RING
12	1-127620	DRIVE SHAFT	311804-1	COVER ASSEMBLY (INCLUDES ITEMS 13 & 14)
13	2-127672	RETAINING RING	311805-1	GEAR COVER & PIN ASSEMBLY (INCLUDES
14	1-127673	BEARING		ITEMS 13 & 14)
15	1-127821	SPACER	3-315174	MITER GEAR (24 TEETH)
16	1-127863	RETAINING RING TYPE 5100	1-410797	METER BODY
17	1-128068	WASHER	1-415582	ROTOR
18	1-128075	BEARING	88-50183	#10-24 X 3/8 LG. FIL. HD. MACH SCREW
19	3-128075	BEARING INSERT	119-50183	#12-24 X 3/8 LG. FIL. HD. MACH SCREW
20	1-128087	WASHER	01-50361	1/4-20 X 1/2 LG. HEX HD. CAP SCREW
21	1-129168	SEAL SCREW	03-50361	1/4-20 X 3/4 LG. HEX HD. CAP SCREW
22	1-221454	BEARING COVER	13-50641	1/4 LOCKWASHER
23	1-221455	INSPECTION COVER	23-50763	#1210 SHAKEPROOF LOCKWASHER
24	1-221456	ROTOR SHAFT ASSY. (INCLUDES ITEM 51)	24-50763	#1212 SHAKEPROOF LOCKWASHER
25	1-221546	PACKING CAPSULE	25-51323	GROOV-PIN "TYPE 5" 3/32 DIA X 5/8 LG.
26	221547-1	PACKING CAPSULE ASSEMBLY	41-51341	GROOV-PIN 1/8 DIA X 5/8 LG.
27	222014-6	GEAR ASSEMBLY (48/24 TEETH) (INCLUDES ITEM 18)	05-53420	TRUARC RETAINING RING TYPE 5133
28	222015-6	GEAR ASSEMBLY (42/12 TEETH) (INCLUDES ITEM 19)		
29	2-222749	GEAR (12 TEETH)		
30	SHIM (SPECIFY NUMBER OF EACH COLOR REQ.D.)			
	1-222795	"RED"		
	2-222795	"GREEN"		

ORDER: 1-317328 FOR COMPLETE METER ASSEMBLY

1-741162

This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or valve. The parts are numbered as follows:

- 1:** A small circular gasket or seal.
- 2:** A large circular gasket or seal.
- 3:** A small screw or bolt.
- 4:** A flange or housing component.
- 5:** A flange or housing component.
- 6:** A coiled spring.
- 7:** A flange or housing component.
- 8:** A small cylindrical component.
- 9:** A small circular gasket or seal.
- 10:** A bracket or support structure.
- 11:** A large rectangular flange or housing component.
- 12:** A large circular gasket or seal.
- 13:** A flange or housing component.
- 14:** A flange or housing component.
- 15:** A large screw or bolt.
- 16:** A small screw or bolt.
- 17:** A small cylindrical component.

The diagram shows the assembly sequence from the base housing (11) up to the top flange (14) and the final assembly (15) secured with a large screw (15). A bracket (10) is shown supporting the assembly from the side.

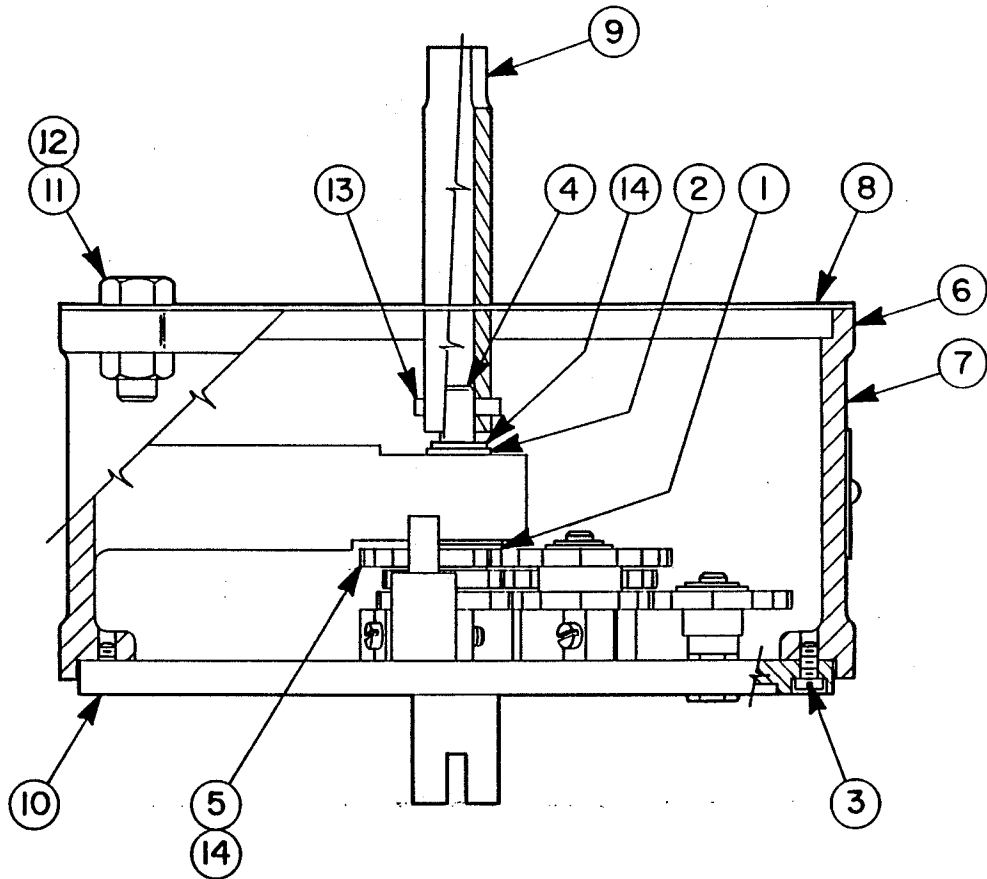
**Model 785 Series Service Parts Manual
Version 1.0 Form 2146A
Tokheim Corporation March 1991**

**VALVE ASSEMBLY
(MODEL 1450-15-SP-HV METER)**

<u>Item No.</u>	<u>Part No.</u>	<u>Description</u>
1	30-37106	"O" RING
2	52-37106	"O" RING
3	1-125636	MALE CONNECTOR
4	1-128278	VALVE DISC
5	1-128612	PLUNGER CUP
6	1-130936	VALVE SPRING
7	1-222357	PLUNGER CUP SUPPORT
8	2-224214	POPPET GUIDE
9	1-227097	COVER
10	228000-1	POPPET ASSEMBLY
11	228001-1	VALVE BODY ASSEMBLY
12	1-316166	VALVE COVER
13	1-316167	PLUNGER
14	252-50100	#10-24 X 1/2 LG. RD. HD. MACH. SCREW
15	35-50361	5/16-18 X 1" LG. HEX. HD. CAP SCREW
16	01-51911	1/8 SQ. HD. PIPE PLUG
17	62-51971	DOWEL PIN
ORDER: 416193-1 FOR COMPLETE VALVE ASSEMBLY		

1-73505

MODEL 1514-2 GEARING ADAPTER
FOR MODEL 1450-15-SP-HV METER



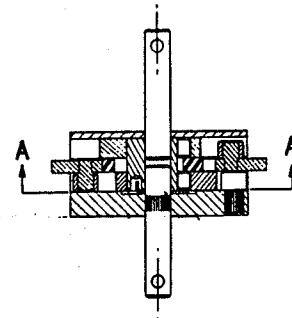
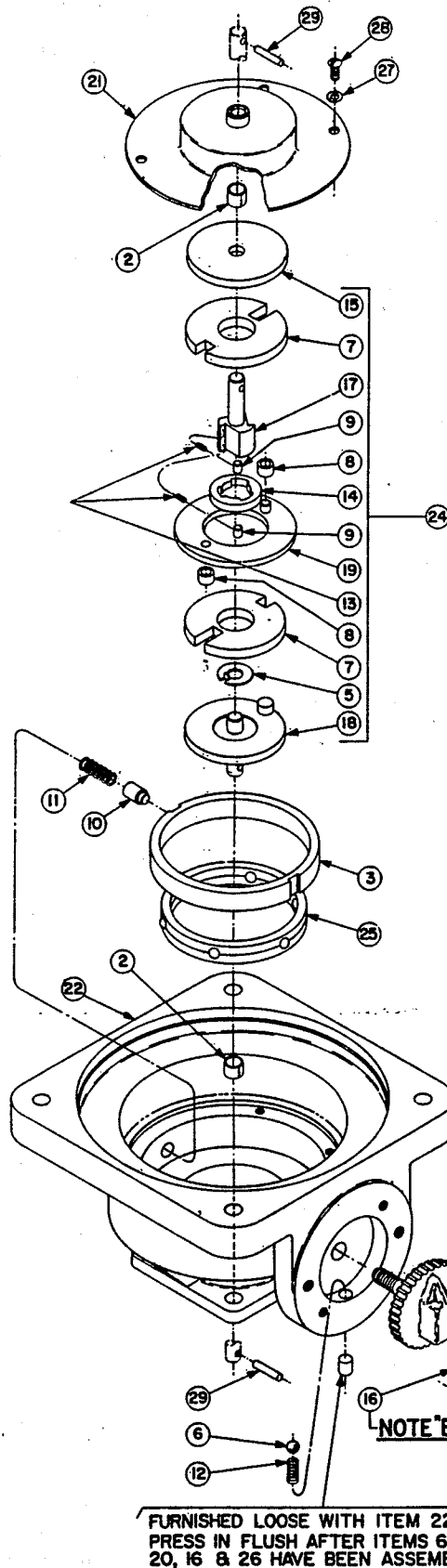
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MODEL 1514-2 GEARING ADAPTER (MODEL 1450-15-SP-HV METER)

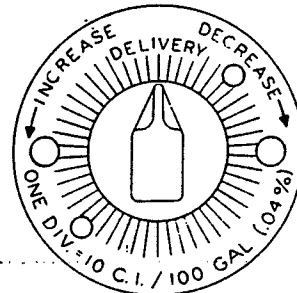
<u>Item No.</u>	<u>Part No.</u>	<u>Description</u>
1	2-118692	WASHER
2	1-128087	WASHER
3	1-128900	#8-32 X 1/4 LG. SPECIAL SCREW
4	1-222513	OUTPUT SHAFT
5	1-222514	GEAR (39 TEETH)
6	222515-1	ADAPTER & BEARING ASSEMBLY
7	222516-4	ADAPTER & GEAR ASSY.(INCLUDES ITEM 1, 2, 4, 5, 6, 13 & 14)
8	1-227098	COVER
9	1-227099	COUPLING
10	<u>GEAR PLATE ASSEMBLY (WHEN ORDERING REPLACEMENT GEARS. SPECIFY NUMBER OF TEETH AS STAMPED ON GEAR.)</u>	
	417942-17	(1:4)(U.S.MEASURE)
	417942-18	(1:1.514)(LITRE MEASURE)
	417942-19	(LC METER)
11	01-50301	1/4-20 HEX. NUT
12	03-50361	1/4-20 X 3/4 LG. HEX. HD. CAP SCREW
13	41-51321	GROOV-PIN 1/8 DIA. X 5/8 LG.
14	06-52481	RETAINING RING
ORDER 411867-58 FOR COMPLETE ASSEMBLY		

CALIBRATOR ASSEMBLY

MODEL 1510



VIEW A-A
VIEW SHOWING POSITION
OF SPRINGS & ROLLERS
IN CLUTCH ASSEMBLY.



SEALED ADJUSTMENT DIAL

NOTE "B" IF TEST MEASURE SHOWS LESS THAN
METER-INCREASE ADJUSTMENT.
IF TEST MEASURE SHOWS MORE THAN
METER-DECREASE ADJUSTMENT.

**FOR MOUNTING HARDWARE, SEE
GENERAL ASSEMBLY DRAWING.**

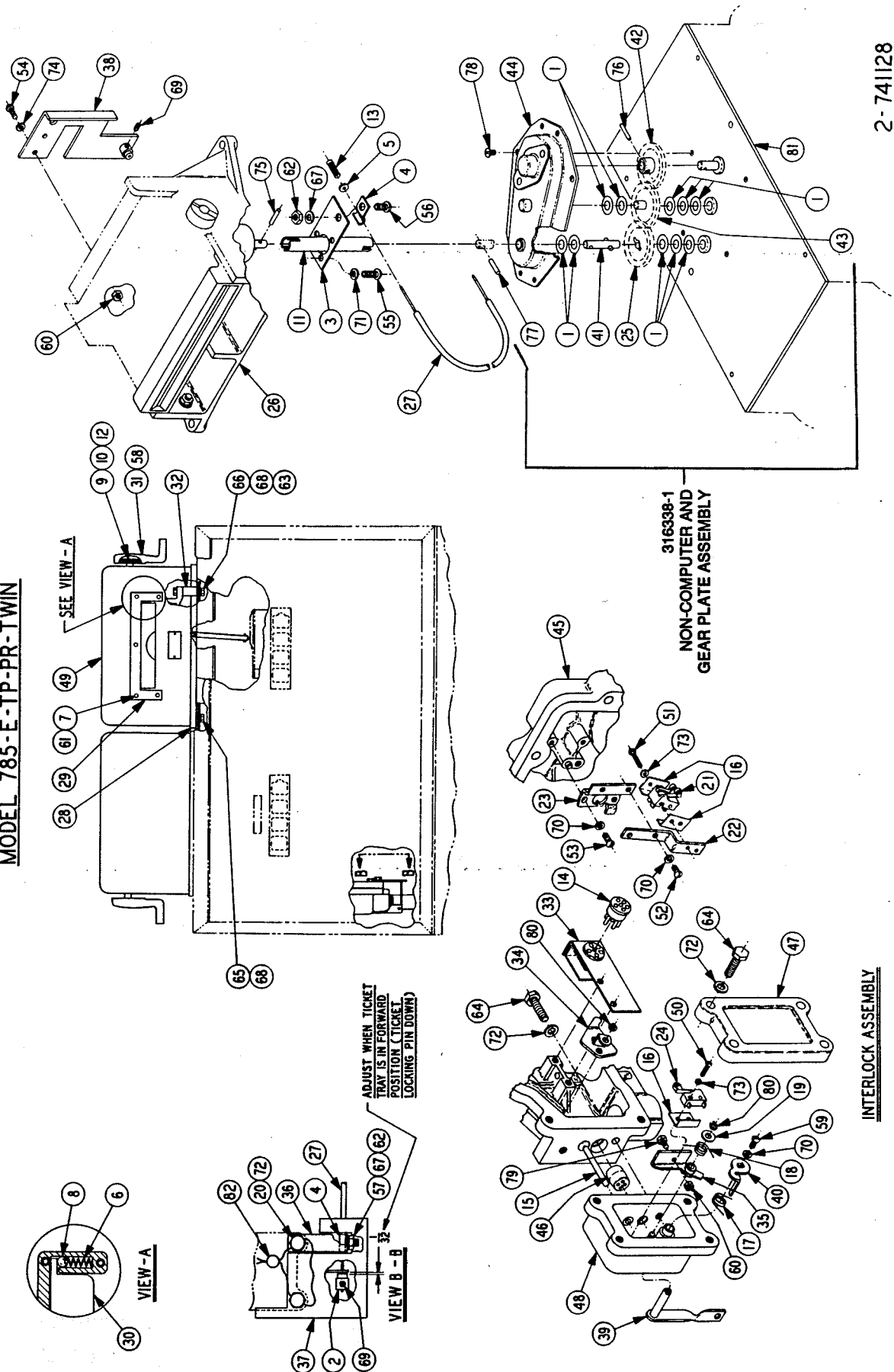
CALIBRATOR ASSEMBLY (MODEL 1510)

<u>Item No.</u>	<u>Part No.</u>	<u>Description</u>
1	1-118849	SEAL WIRE & SEAL
2	4-125117	BEARING INSERT
3	1-127630	CONTROL RING
4	2-127634	SPECIAL THUMB SCREW
5	1-127635	CLUTCH WASHER
6	1-127636	BALL 3/16 DIA.
7	1-127638	WASHER
8	1-127639	ROLLER
9	1-127641	ROLLER
10	1-127644	GUIDE PIN
11	1-127648	SPRING
12	1-127649	SPRING
13	1-127650	SPRING
14	1-127652	CLUTCH SPACER
15	1-127661	RETAINING DISC
16	1-221418	DIAL PLATE
17	221419-1	CLUTCH CORE ASSEMBLY
18	221420-1	DRIVE DISC ASSEMBLY
19	221421-1	STROKE RING ASSEMBLY
20	221423-1	KNOB ASSEMBLY
21	221426-1	COVER ASSEMBLY
22	221428-2	HOUSING & BEARING ASSEMBLY (WITH PLUGS)
23	1-221429	DIAL COVER
24	311790-1	CLUTCH ASSEMBLY
25	1-311843	BALL RETAINER COMPLETE
26	166-50001	#8-32 X 1/4 LG. RD. HD. MACH SCREW
27	03-50761	#1106 SHAKEPROOF LOCKWASHER
28	13-51441	#6 X 5/16 LG. RD. HD. P.K. SELF-TAPPING SCREW
29	49-52901	ROLL PIN 1/8 DIA. X 5/8 LG.
		ORDER 410770-2 FOR COMPLETE CALIBRATOR ASSEMBLY

4-74285

EXTERNAL TICKET PRINTER ASSEMBLY

MODEL 785-E-TP-PR-TWIN



2-741128

2-741128
1 of 1

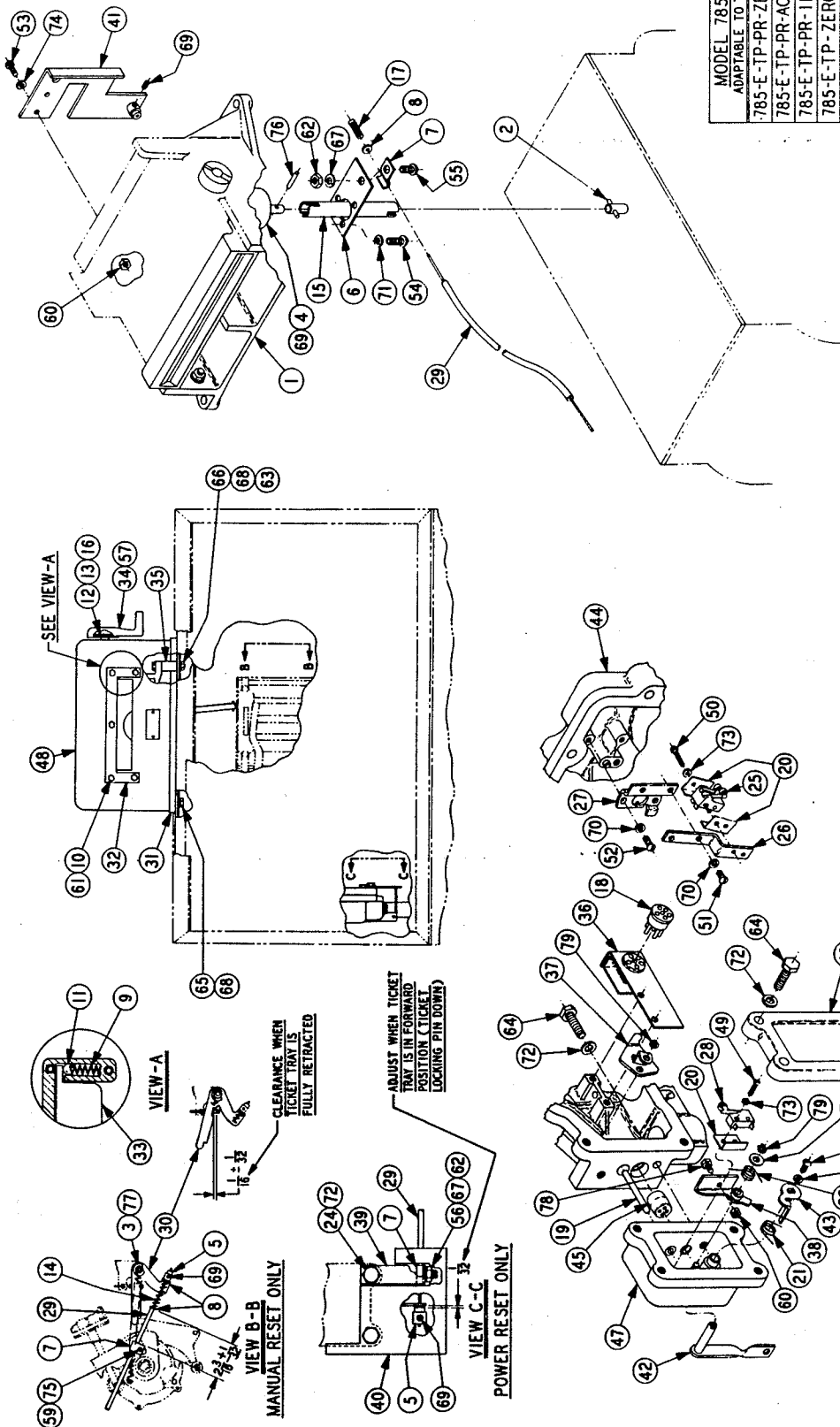
EXTERNAL TICKET PRINTER ASSEMBLY (MODEL 785-E-TP-PR-TWIN)

Item Part		Item Part		Item Part	
No.	Description	No.	Description	No.	Description
1	1-122316 WASHER	35	223498-1 LATCH PAWL ASSEMBLY	62	05-50211 #10-24 HEX MACH NUT
2	2-125530 ANCHOR	36	1-223720 CABLE BRACKET	63	01-50301 1/4-20 HEX NUT
3	1-125531 CLAMP SUPPORT	37	1-223950 WELDED SHROUD	64	04-50361 1/4-20 X 7/8 LG HEX HD CAP SCREW
4	1-125532 CLAMP	38	225368-1 BRACKET ASSEMBLY	65	05-50361 1/4-20 X 1" LG HEX HD CAP SCREW
5	1-125533 WASHER	39	225402-1 KEY ARM & SHAFT ASSY	66	08-50361 1/4-20 X 1-3/4 LG HEX HD CAP SCREW
6	1-125543 COVER SPRING	40	1-225403 KEY LATCH	67	10-50641 #10 LOCKWASHER
7	1-125544 BEZEL SCREW	41	227223-1 DRIVEN SHAFT ASSEMBLY	68	13-50641 1/4 LOCKWASHER
8	1-125545 STEEL BALL - 1/4 DIA	42	227224-1 GEAR ASSEMBLY	69	232-50751 #8-32 X 3/16 LG HEX SOCKET CUP PT SET SCREW
9	1-125547 WASHER	43	227225-1 IDLER GEAR ASSEMBLY	70	03-50761 #6 LOCKWASHER
10	1-125548 RUBBER WASHER	44	311073-3 GEAR BOX PLATE ASSY	71	04-50761 #1108 LOCKWASHER
11	7-126443 COUPLING SHAFT	45	312941-1 COVER & BEARING ASSY	72	07-50761 #1114 LOCKWASHER
12	1-127539 SPRING WASHER	46	413676-1 COMPLETE COVER ASSY	73	17-50761 #1202 LOCKWASHER
13	1-128492 SPRING	47	2-313229 WIRE SEAL	74	21-50761 #1206 LOCKWASHER
14	2-128878 PLUG	48	1-313315 INTERLOCK BOX COVER	75	11-51321 1/16 X 5/8 LG GROOV-PIN
15	1-129116 PUSH ROD	49	314727-1 INTERLOCK BOX ASSY	76	24-51321 3/32 X 1/2 LG GROOV-PIN TYPE 5
16	1-129118 INSULATION	50	407859-4 COVER ASSEMBLY	77	25-51321 3/32 X 5/8 LG GROOV-PIN TYPE 5
17	1-129237 SPRING	51	13-50001 #2-56 X 1/2 LG RD HD MACH SCREW	78	23-52721 #10-24 X 3/8 LG SEMS FASTENER
18	1-129320 RETURN SPRING	52	15-50001 #2-56 X 5/8 LG RD HD MACH SCREW	79	88-52851 #6-32 X 1/4 LG HEX HD MACH SCREW
19	1-129321 WASHER	53	88-50001 #6-32 X 1/4 LG RD HD MACH SCREW	80	03-52920 TRUARC RETAINING RING
20	1-129513 1/4-20 X 1" LG HEX HD SEAL SCREW	54	90-50001 #6-32 X 3/8 LG RD HD MACH SCREW	81	316337-1 COVER PLATE & BUSHING ASSY
21	1-129651 SWITCH	55	92-50001 #8-32 X 3/8 LG RD HD MACH SCREW	82	1-118849 SEAL WIRE & SEAL (8" LG)
22	1-129652 SWITCH MOUNTING BRACKET	56	170-50001 #8-32 X 3/8 LG RD HD MACH SCREW		
23	1-129655 SWITCH BRACKET	57	248-50001 #10-24 X 3/8 LG RD HD MACH SCREW		
24	1-129664 SWITCH	58	250-50001 #10-24 X 7/16 LG RD HD MACH SCREW		
25	1-131286 DRIVEN GEAR	59	221-50011 #8-36 X 1" LG FLAT HD MACH SCREW		
26	TICKET PRINTER MECHANISM (ZERO START)	60	88-50031 #6-32 X 1/4 LG TRUSS HD MACH SCREW		
27	3-214571 (ACCUMULATIVE)	61	03-50211 #6-32 HEX MACH NUT		
28	3-214984 CABLE COMPLETE		04-50211 #8-32 HEX MACH NUT		
29	10-218775 COVER CHANNEL				
30	1-218784 BEZEL				
31	1-218787 SALES SLIP OPENING COVER				
32	1-218798 CRANK				
33	1-218799 SPACER				
34	223063-2 TERMINAL BRACKET ASSY				
	223496-1 OPERATOR ASSEMBLY				

2-741128

EXTERNAL TICKET PRINTER ASSEMBLY

MODEL 785-E-TP-SINGLE SERIES



INTERLOCK ASSEMBLY - POWER RESET ONLY

3-741002

3-741002

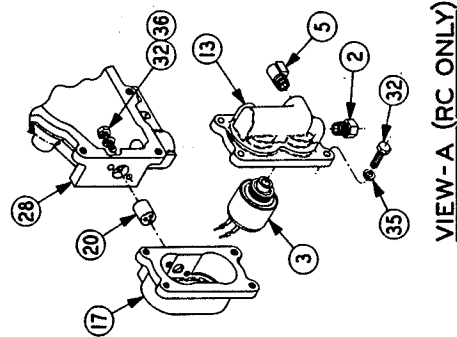
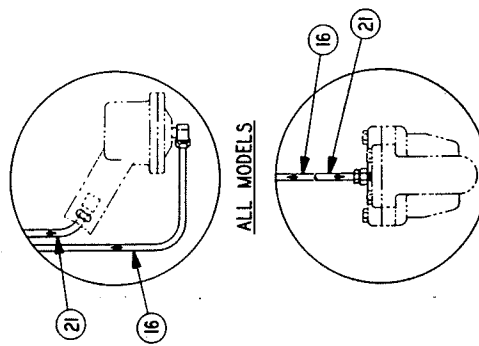
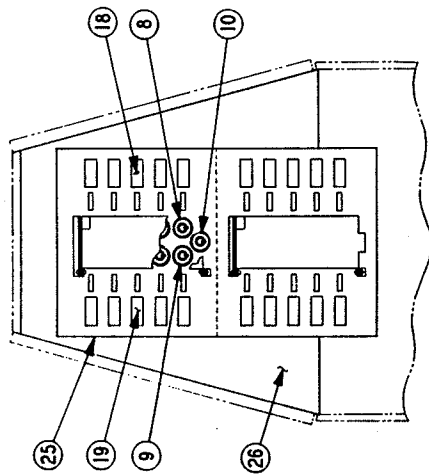
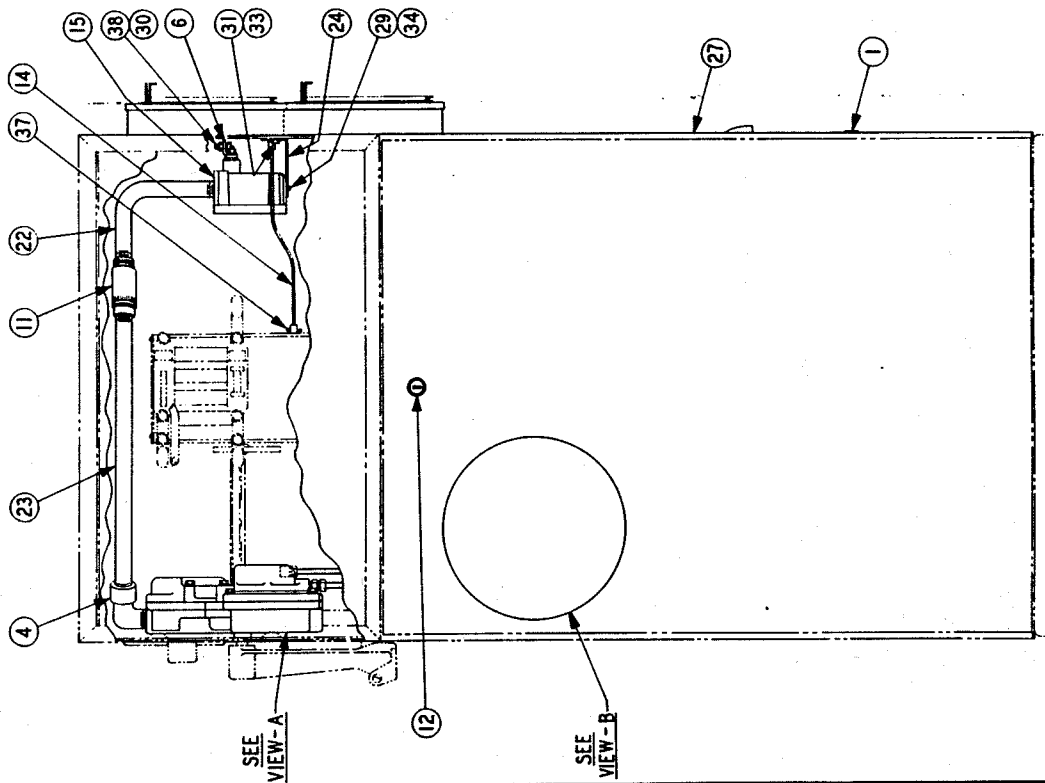
1 of 1

EXTERNAL TICKET PRINTER ASSEMBLY (MODEL 785-E-T-SINGLE)

Item Part		Item Part		Item Part	
No.	Description	No.	Description	No.	Description
1	TICKET PRINTER MECHANISM	30	218776-1 ARM & HUB ASSEMBLY	56	250-50001 #10-24 X 7/16 LG RD HD MACH SCREW
13-39597 (I.B.M.)		31	1-218784 COVER CHANNEL	57	221-50011 #8-36 X 1" LG FLAT HD MACH SCREW
3-214571 (ZERO START)		32	1-218786 BEZEL	58	88-50031 #6-32 X 1/4 LG TRUSS HD MACH SCREW
3-214984 (ACCUMULATIVE)		33	1-218787 SALES SLIP OPENING COVER	59	244-50054 #10-24 X 1/4 LG RD HD MACH SCREW
2	1-120826 3/32 X 5/8 LG GROOV-PIN	34	1-218798 CRANK	60	03-50211 #6-32 HEX MACH NUT
3	1-125095 WASHER	35	1-218799 SPACER	61	04-50211 #8-32 HEX MACH NUT
4	1-125419 ADAPTER (MANUAL RESET)	36	223063-2 TERMINAL BRACKET ASSY	62	05-50211 #10-24 HEX MACH NUT
5	2-125530 ANCHOR	37	223496-1 OPERATOR ASSEMBLY	63	01-50301 1/4-20 HEX NUT
6	1-125531 CLAMP SUPPORT	38	223498-1 LATCH PAWL ASSEMBLY	64	04-50361 1/4-20 X 7/8 LG HEX HD CAP SCREW
7	1-125532 CLAMP	39	1-223720 CABLE BRACKET	65	05-50361 1/4-20 X 1" LG HEX HD CAP SCREW
8	1-125533 WASHER	40	1-223950 WELDED SHROUD	66	08-50361 1/4-20 X 1-3/4 LG HEX HD CAP SCREW
9	1-125543 COVER SPRING	41	225368-1 BRACKET ASSEMBLY	67	10-50641 #10 LOCKWASHER
10	1-125544 BEZEL SCREW	42	225402-1 KEY ARM & SHAFT ASSEMBLY	68	13-50641 1/4 LOCKWASHER
11	1-125545 STEEL BALL - 1/4 DIA	43	1-225403 KEY LATCH	69	232-50751 #8-32 X 3/16 LG HEX SOCKET CUP PT SET SCREW
12	1-125547 WASHER	44	312941-1 COVER & BEARING ASSEMBLY	70	03-50761 #6 LOCKWASHER
13	1-125548 RUBBER WASHER	45	413676-1 COMPLETE COVER ASSEMBLY	71	04-50761 #1108 LOCKWASHER
14	1-125617 SPRING	46	2-313229 WIRE SEAL	72	07-50761 #1114 LOCKWASHER
15	6-126443 COUPLING SHAFT	47	1-313315 INTERLOCK BOX COVER	73	17-50761 #1202 LOCKWASHER
16	1-127539 SPRING WASHER	48	314727-1 INTERLOCK BOX ASSEMBLY	74	21-50761 #1206 LOCKWASHER
17	1-128492 SPRING	49	407856 COVER	75	23-50761 #10 LOCKWASHER
18	2-128878 PLUG	50	13-50001 #2-56 X 1/2 LG RD HD MACH SCREW	76	1/16 X 5/8 LG GROOV-PIN
19	1-129116 PUSH ROD	51	15-50001 #2-56 X 5/8 LG RD HD MACH SCREW	77	11-51321 (POWER RESET)
20	1-129118 INSULATION	52	88-50001 #6-32 X 1/4 LG RD HD MACH SCREW	78	25-51321 (MANUAL RESET)
21	1-129237 SPRING	53	90-50001 #6-32 X 5/16 LG RD HD MACH SCREW	79	07-52482 TRUARC "E" RETAINING RING
22	1-129320 RETURN SPRING	54	92-50001 #6-32 X 3/8 LG RD HD MACH SCREW	80	88-52851 #6-32 X 1/4 LG HEX HD MACH SCREW
23	1-129321 WASHER	55	170-50001 #8-32 X 3/8 LG RD HD MACH SCREW		
24	1-129513 1/4-20 X 1" LG HEX HD SEAL SCREW		248-50001 #10-24 X 3/8 LG RD HD MACH SCREW		
25	1-129651 SWITCH				
26	1-129652 SWITCH MOUNTING BRACKET				
27	1-129655 SWITCH BRACKET				
28	1-129664 SWITCH				
29	CABLE COMPLETE				
	1-218775 (MANUAL RESET)				
	10-218775 (POWER RESET)				

3-741002

KEY CONTROL ASSEMBLY



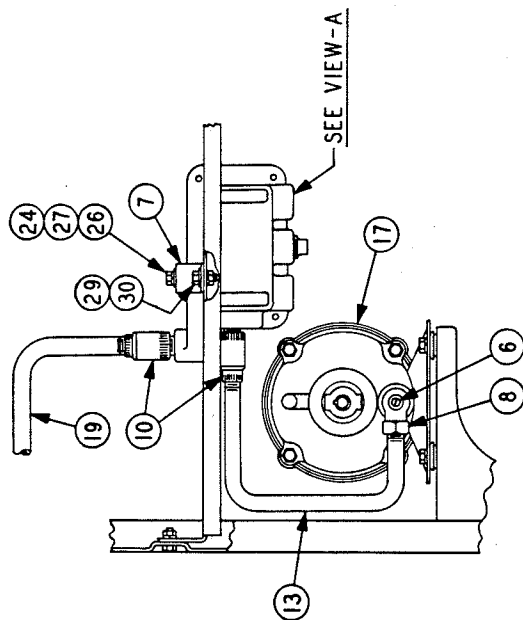
VIEW-A (RC ONLY)

2-741003

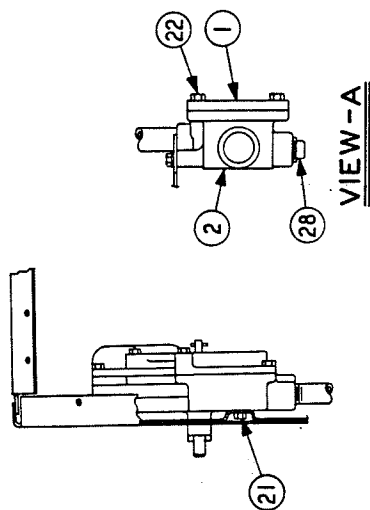
KEY CONTROL ASSEMBLY

<u>Item Part</u>		<u>Item Part</u>	
<u>No.</u>	<u>Description</u>	<u>No.</u>	<u>Description</u>
1	1-122780 PLUG BUTTON	20	2-313229 WIRE SEAL
2	1-125636 MALE CONNECTOR	21	PILOT VALVE TUBE ASSEMBLY (OUTLET)
3	1-127324 SOLENOID	313354-3	(ALL MODELS EXCEPT HV)
4	1-128035 1/2 X 90 CONDUIT ST. ELBOW	316215-12	(HV ONLY)
5	1-128433 MALE ELBOW	1-313422 CONDUIT	
6	1-129081 SWITCH LEVER	1-313452 CONDUIT	
8	1-129087 LOCK (RIGHT HAND) (WITH 2 KEYS)	1-314522 SWITCH SUPPORT	
9	2-129087 LOCK (LEFT HAND) (WITH 2 KEYS)	1-412820 KEYTROL PANEL (20 KEY)	
10	1-130423 SHUTTER LOCK	1-412828 KEYTROL PANEL (10 KEY)	
11	1-219892 EXPANSION UNION	3-413318 END PANEL (RIGHT)	
12	1-221039 DOOR LOCK (SET OF 2 LOCKS)	4-413693 SIDE HOUSING (RIGHT)	
13	223451-2 COVER & INSERT ASSEMBLY	415247-3 RESET BOX & PIN ASSEMBLY	
14	2-223454 DRIVE CABLE	285-50001 #10-32 X 5/16 LG RD. HD. MACH SCREW	
15	1-311344 MICRO-SWITCH COMPLETE	13-50211 #10-32 HEX MACH NUT	
16	PILOT VALVE TUBE ASSEMBLY (INLET)	01-50361 1/4-20 X 1/2 LG. HEX HD. CAP SCREW	
312049-59	(ALL MODELS EXCEPT HV)	04-50361 1/4-20 X 7/8 LG. HEX HD. CAP SCREW	
316215-11	(HV ONLY)	13-50641 1/4 LOCKWASHER	
1-313218	SOLENOID BOX	05-50761 #10 LOCKWASHER	
313222-3	TOTALIZER & LOCK KIT (RIGHT HAND)	07-50761 1/4 LOCKWASHER	
3-129090	TOTALIZER COMPLETE (ONLY)(RIGHT HAND)	25-50761 1/4 LOCKWASHER	
313222-4	TOTALIZER & LOCK KIT (LEFT HAND)	17-51201 1/16 X 1/2 LG. COTTER PIN	
4-129090	TOTALIZER COMPLETE (ONLY)(LEFT HAND)	303-52851 #10-32 X 1-1/4 LG. HEX HD. MACH SCREW	

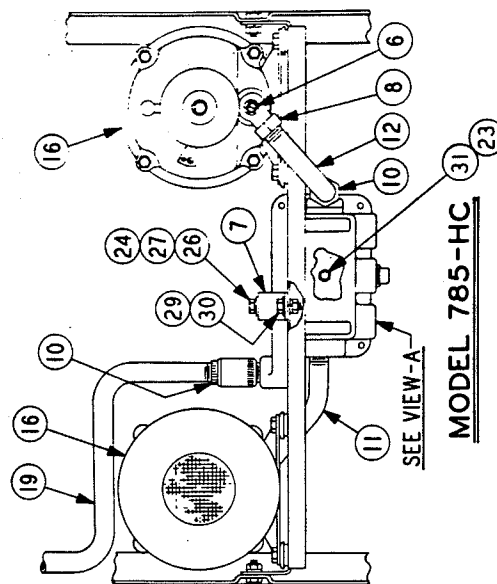
ELECTRICAL ASSEMBLY



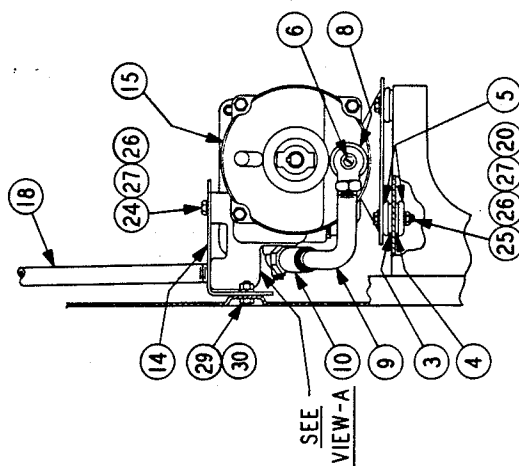
MODEL 785-MC



VIEW-A



MODEL 785-HC



MODEL 785 & 785-RC

4-74594

4-74594

1 of 1

ELECTRICAL ASSEMBLY (785, 785-RC, 785-HC)

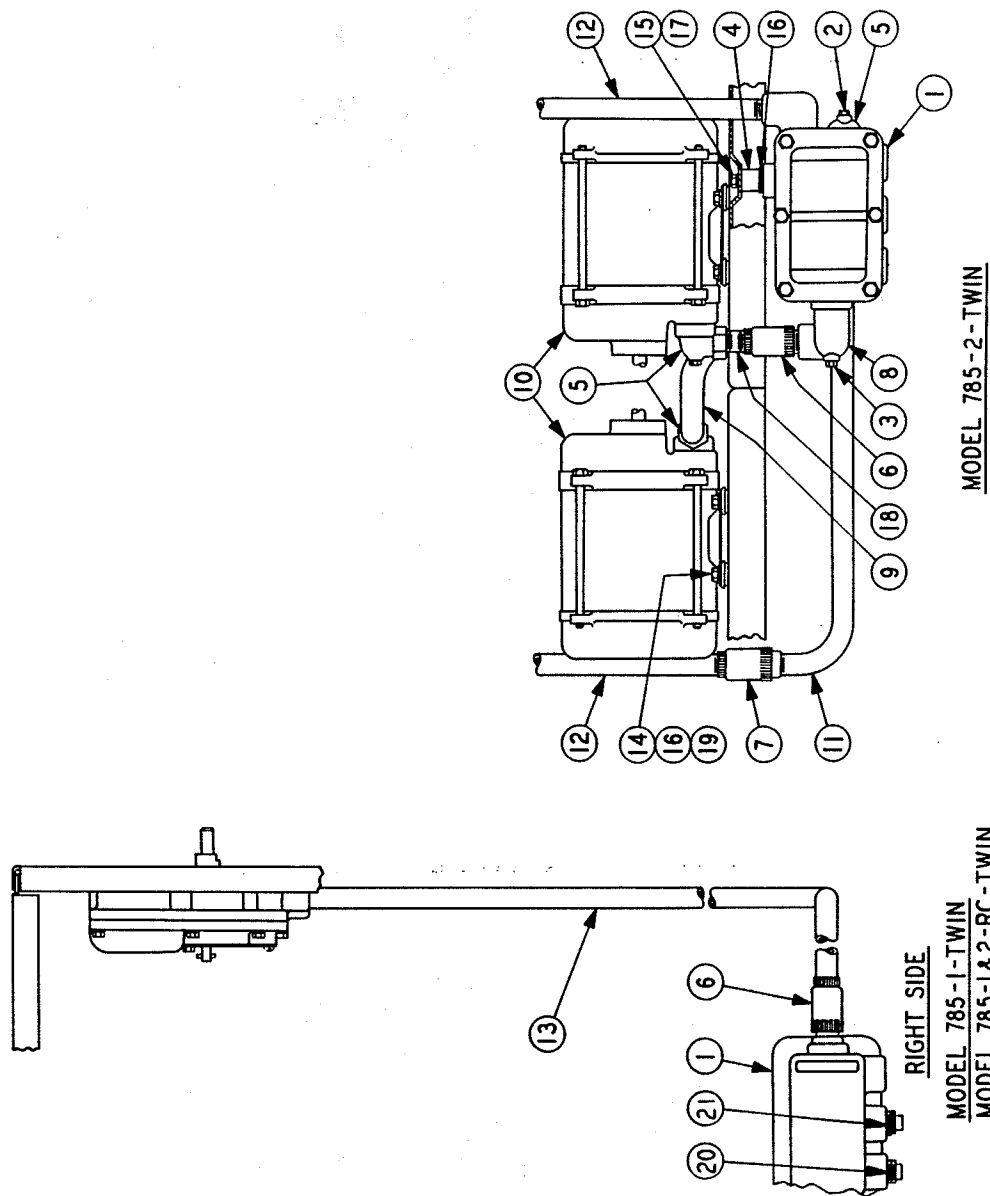
Item PartNo. No.DescriptionItem PartNo. No.Description

- 1 1-311479 CONNECTION BOX COVER
1-314063 (785-1-TWIN-APC ONLY)
2 CONNECTION BOX
1-39699 (785 SERIES)
1-408199 (785-RC & 785-RC-HC SERIES)
1-311233 (785-MC SERIES)
1-39700 (785-HC SERIES)
3 1-114468 CUSHION GROMMET
4 1-114469 CUSHION WASHER
5 1-114470 CUSHION RETAINER
6 1-121413 SPECIAL SCREW
7 1-126752 BOX SUPPORT
8 1-214107 CONDUIT CONNECTOR
9 1-218860 MOTOR CONDUIT
10 1-218941 EXPANSION UNION
11 1-221958 LEFT MOTOR CONDUIT
12 1-221959 RIGHT MOTOR CONDUIT
13 1-221998 MOTOR CONDUIT
14 1-311997 CONNECTION BOX SUPPORT
15 MOTOR (1/3 H.P.)
1-405586 WESTINGHOUSE
4-408411 G.E.
1-412766 FRANKLIN

- 16 MOTOR (1/2 H.P.)
1-407914 WESTINGHOUSE
1-414445 G.E.
1-416908 FRANKLIN Subs to 2-416908
17 MOTOR (3/4 H.P.)
7-408234 WEST.)
4-410310 G.E.
1-416490 FRANKLIN
18 1-412639 CONDUIT
19 1-412657 CONDUIT
20 02-50301 5/16-18 HEX NUT
21 01-50361 1/4-20 X 1/2 LG HEX HD CAP SCREW
22 04-50361 1/4-20 X 7/8 LG HEX HD CAP SCREW
23 1-131270 #10-32 X 3/8 LG SPECIAL SCREW
24 33-50361 5/16-18 X 3/4 HEX HD CAP SCREW
25 37-50361 5/16-18 X 1-1/2 LG HEX HD CAP SCREW
26 03-50611 5/16 PLATEWASHER
27 14-50641 5/16 LOCKWASHER
28 05-51901 3/4 SQ HD PIPE PLUG
29 35-54742 5/16-18 X 5/8 LG M-F HEX HD
WHIZ-LOCK SCREW
30 02-54752 5/16-18 M-F FLANGE WHIZ-LOCK
NUT
31 1-131322 CUP WASHER

4-74594

ELECTRICAL ASSEMBLY



ELECTRICAL ASSEMBLY **(785 1&2 PRODUCT TWIN OR RC)**

<u>Item No.</u>	<u>Part No.</u>	<u>Description</u>
1	CONNECTION BOX	
	1-39701	(785-1-TWIN)
	1-39703	(785-1 & 2- TWIN)
	1-311478	(785-2-TWIN)
2	1-121413	SPECIAL SCREW
3	1-126300	SPECIAL SCREW
4	3-126638	SPACER POST
5	1-214107	CONDUIT CONNECTOR
6	1-218941	EXPANSION UNION (MALE/FEMALE)
7	1-219892	EXPANSION UNION (FEMALE)
8	2-310300	CONDUIT CONNECTOR
9	1-312080	MOTOR CONDUIT
10	1-408434	MOTOR (1/3 H.P. - 785-2-TWIN)
	1-415138	MOTOR (1/2 H.P. - 785-1-TWIN)
11	1-412638	CONDUIT
12	1-412639	CONDUIT
13	1-412745	CONDUIT
14	36-50361	5/16-18 X 1-1/4 LG HEX HD CAP SCREW
15	38-50361	5/16-18 X 1-3/4 LG HEX HD CAP SCREW
16	03-50611	5/16 PLATEWASHER
17	14-50641	5/16 LOCKWASHER
18	01-50710	1/2 CONDUIT NIPPLE
19	02-54752	5/16-18 M-F FLANGE WHIZ-LOCK NUT
20	05-51901	3/4 PIPE PLUG
21	06-51901	1" PIPE PLUG

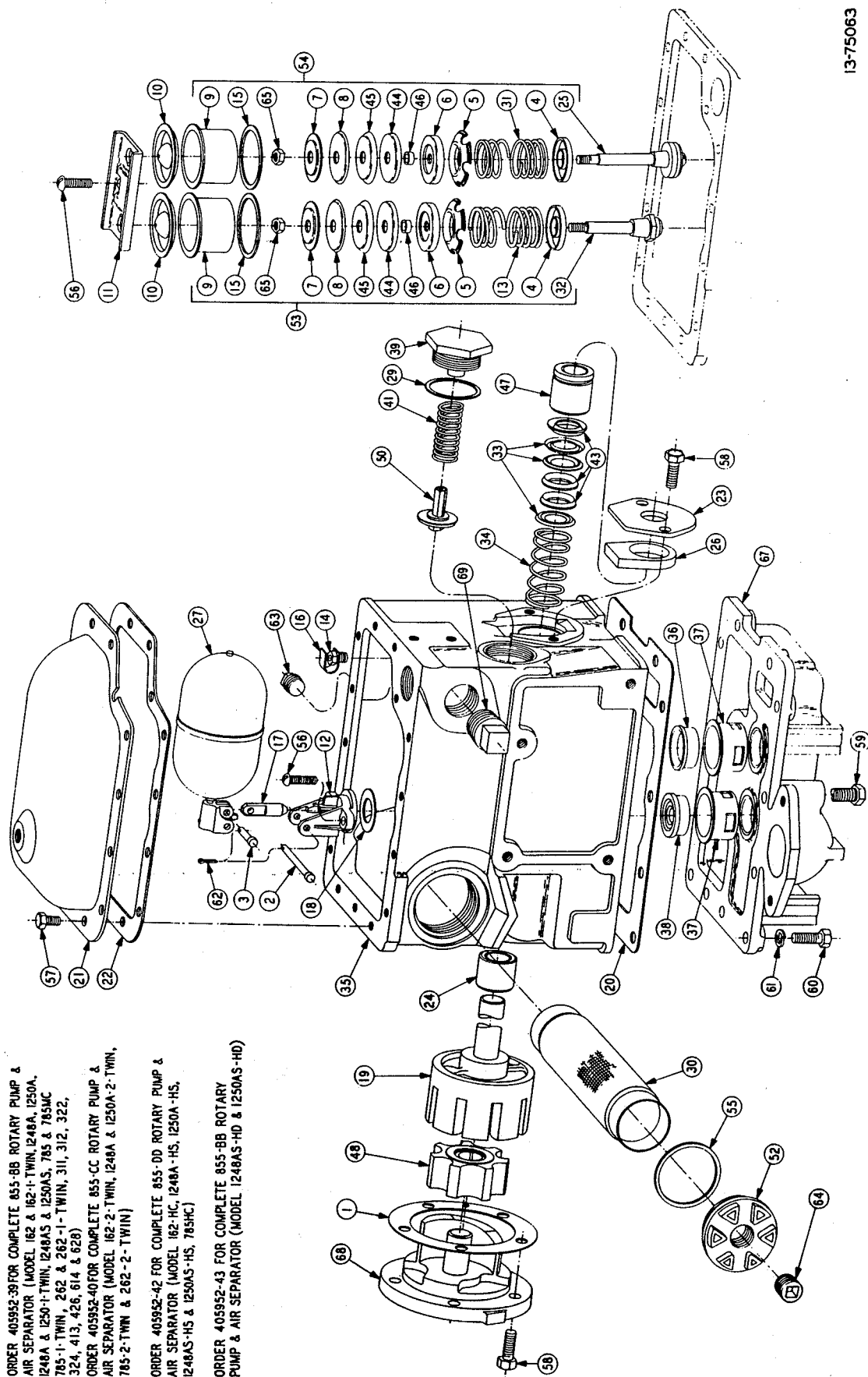
ROTARY PUMP & AIR SEPARATOR

ORDER 405952-39 FOR COMPLETE 855-BB ROTARY PUMP & AIR SEPARATOR (MODEL 162 & 162-1 TWIN, 1248A, 1250A, 1248A & 1250-1 TWIN, 1248AS & 1250AS, 785 & 785MC, 785-1 TWIN, 262 & 262-1 TWIN, 311, 312, 322, 324, 413, 426, 614 & 626)

ORDER 405952-40 FOR COMPLETE 855-CC ROTARY PUMP & AIR SEPARATOR (MODEL 162-2 TWIN, 1248A & 1250A-2 TWIN, 785-2 TWIN & 262-2 TWIN)

ORDER 405952-42 FOR COMPLETE 855-DD ROTARY PUMP & AIR SEPARATOR (MODEL 162-HC, 1248A-HS, 1250A-HS, 1248AS-HS & 1250AS-HS, 785HC)

ORDER 405952-43 FOR COMPLETE 855-BB ROTARY PUMP & AIR SEPARATOR (MODEL 1248AS-HD & 1250AS-HD)

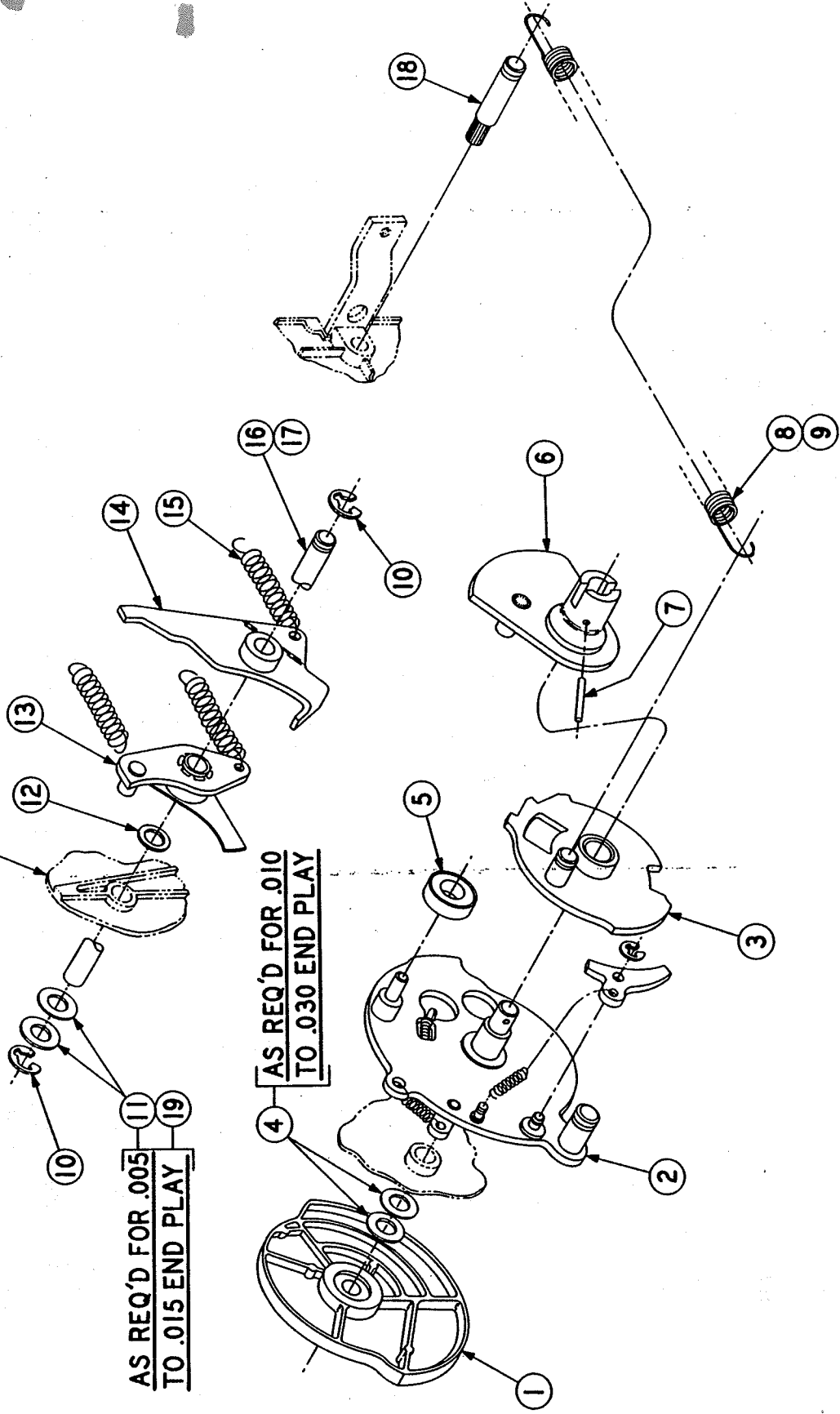


13-75063

ROTARY PUMP AND AIR SEPARATOR

Item Part		Item Part		Item Part	
No.	Description	No.	Description	No.	Description
1	1-17526 GASKET	34	1-117660 PACKING SPRING	61	15-50641 SCREW
2	1-18654 FLOAT LEVER PIN	35	118335-1 ROTARY PUMP & SEPARATOR BODY WITH GASKET, BEARING, SCREWS & SPRING	62	17-51210 3/8 LOCKWASHER (MODEL 855CC)
3	1-18655 GUIDE PLATE			63	02-51911 1/16 X 1/2 LG COTTER PIN
4	1-18716 SPRING PLATE			64	38-51911 1/4 SQ HD PIPE PLUG
5	1-18717 PLUNGER HEAD				1/4 COUNTERSUNK PIPE PLUG
6	1-18718 PLUNGER PLATE	36	1-118590 REGULATING VALVE SEAT	65	01-52321 1/4-28 HEX NUT
7	1-18719 PLUNGER FOLLOWER	37	1-118591 VALVE SEAT GUIDE	67	LOWER PUMP HEAD WITH VALVE SEAT GUIDES, REGULATING VALVE SEAT & BY-PASS VALVE SEAT
8	1-18720 VALVE CYLINDER	38	1-118640 BY-PASS VALVE SEAT		
9	1-18721 CYLINDER HEAD	39	1-120731 CHECK VALVE CAP		
10	1-18722 CLAMP PLATE	40	1-120733 POPPET SPRING		
11	1-18731 FLOAT VALVE BODY	41	1-121394 "V" PACKING		
12	1-18734 BY-PASS VALVE SPRING	42	1-126295 PLUNGER GUIDE		
13	1-18735 (#34 TO #35-1/2 SPRING) (MODEL 855BB & 855CC)	43	1-126343 PLUNGER DISC		
	1-131178 (44-1/2# SPRING) (MODEL 855DD & 855BB)	44	1-126344 PLUNGER SPACER		
14	1-18750 VENT SCREW	45	1-210024 DRIVE SHAFT BEARING	68	221818-1 ROTARY PUMP HEAD ASSY
15	1-18792 VALVE CYLINDER GASKET	46	1-211816 POPPET DISC & RELIEF VALVE ASSY	69	27-51901 1" PIPE PLUG (MODEL 855-CC)
16	1-18799 VENT SCREW GUARD	52	SUCTION STRAINER CAP		
17	1-18860 FLOAT VALVE NEEDLE	1-215030 (MODEL 855BB & 855DD)			
18	1-18961 FLOAT VALVE GASKET	2-215030 (MODEL 855CC)			
19	25664-1 PUMP ROTOR SHAFT ASSY	BY-PASS VALVE ASSY			
20	1-25879 BOTTOM HEAD GASKET	217897-2 (34# TO 35-1/2# SPRING) (MODEL 855BB & 855CC)			
21	1-32089 SEPARATOR COVER	217897-6 (44-1/2# SPRING) (MODEL 855DD & 855BB)			
22	2-113691 COVER GASKET	217898-2 REGULATING VALVE ASSY			
23	1-113698 RETAINER	127-311105 GASKET			
24	1-113703 BEARING	401-50001 1/4-20 X 7/8 LG RD HD			
25	113776-1 REGUL POPPET ASSY	01-50360 1/4-20 X 1/2 LG HEX HD CAP			
26	1-113819 OIL WELL FELT	34-50360 5/16-18 X 7/8 LG HEX HD CAP			
27	114064-1 FLOAT ASSEMBLY	72-50360 3/8-16 X 2-3/4 LG HEX HD CAP			
29	1-114541 GASKET	297-50360 3/8-16 X 1-1/8 LG HEX HD CAP			
30	1-115075 SUCTION SCREEN (GASOLINE)				
	2-115075 SUCTION SCREEN (DIESEL)				
31	1-115642 REGULATING VALVE SPRING				
32	1-116628 BY-PASS VALVE POPPET				
33	1-117475 PACKING GLAND				

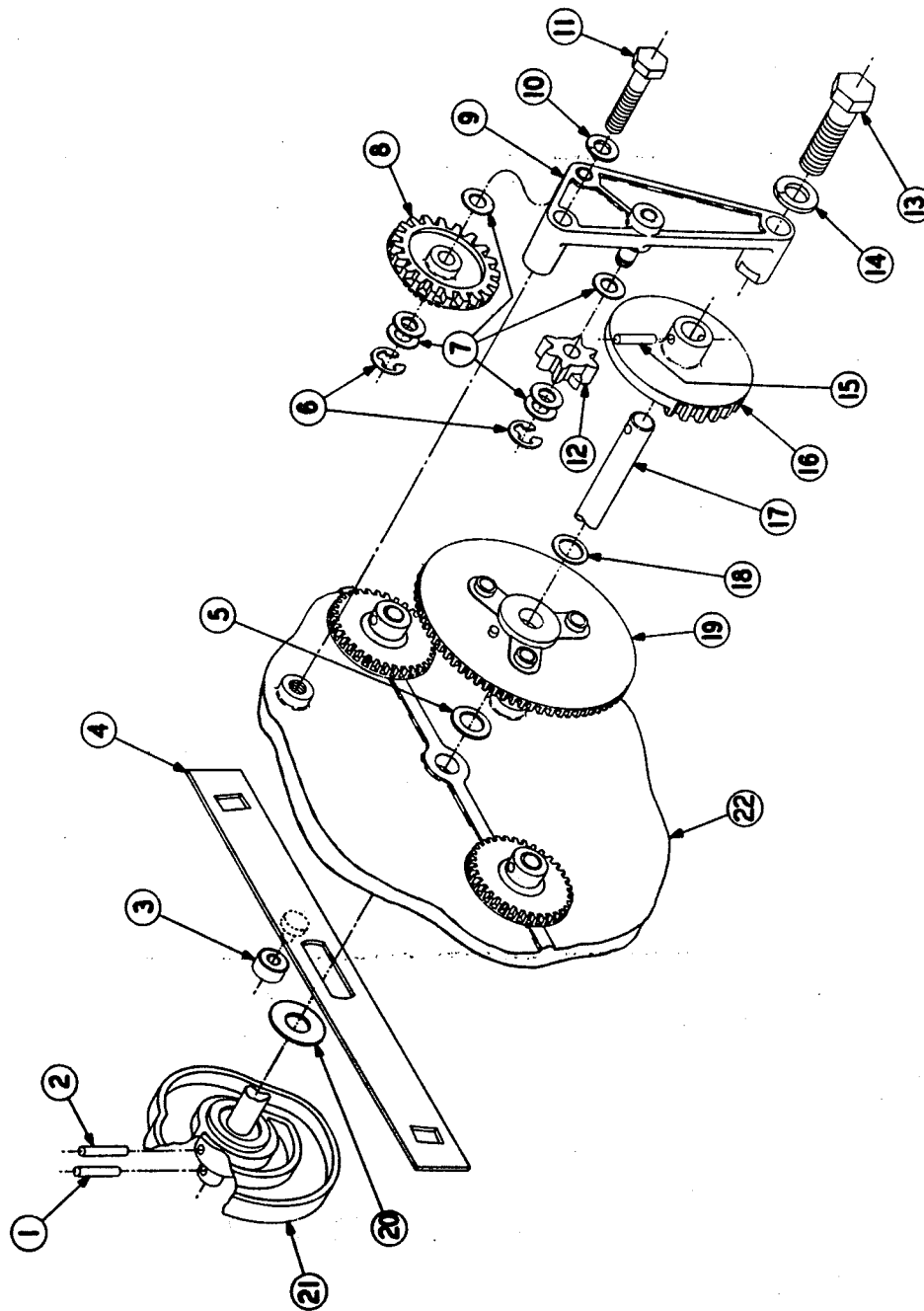
LEFT COMPUTER FRAME



MANUAL RESET, COMPUTER COMPONENTS

<u>Item No.</u>	<u>Part No.</u>	<u>Description</u>
1	86704-1	CAM SHIFT
2	G-86672-1	GEAR GROUP - RESET DRIVE
3	GW-77008-5	DISC GROUP - RESET
4	11071-JE	WASHER
5	GW-80694-1	BUMPER GROUP
6	G-86709-1	OVERTRAVEL ARM ASSEMBLY
7	510100-111	GROOV-PIN
8	W-14427-PT	SPRING (3 WHEEL)
9	K-14427-PS	SPRING (4 WHEEL)
10	FS-511841	TRUARC RETAINING RING
11	W-11071-DA	WASHER
12	W-11071-OM	WASHER
13	GW-77034-3	STOP PAWL HUB ASSEMBLY
14	GW-80657-1	PAWL RELEASE ASSEMBLY
15	W-14427-NN	SPRING
16	X-76855-9	TRIP LEVER SHAFT (3 WHEEL)
17	X-76855-10	TRIP LEVER SHAFT (4 WHEEL)
18	W-77040-167	STUD
19	V-74800-7	WASHER

POWER RESET COMPUTER COMPONENTS

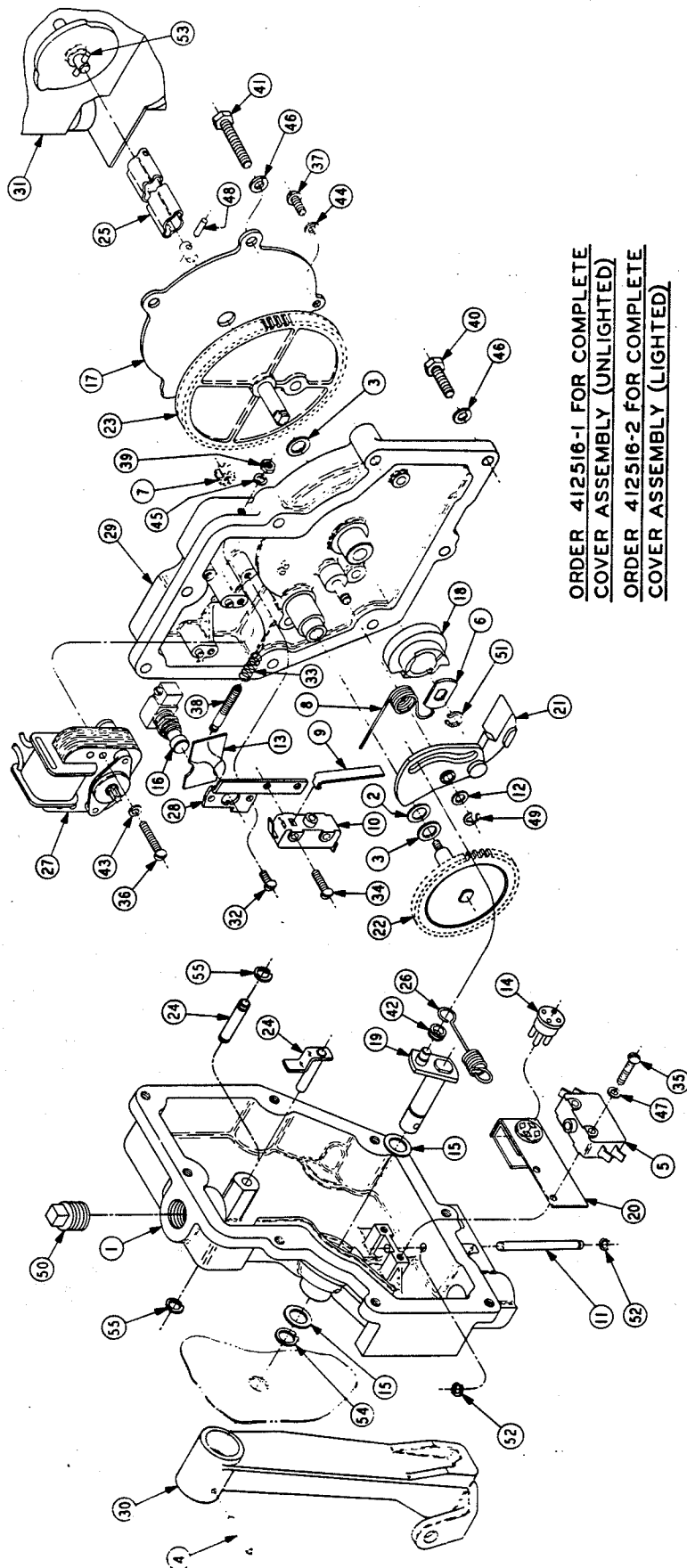


2-74115

POWER RESET, COMPUTER COMPONENTS

<u>Item No.</u>	<u>Part No.</u>	<u>Description</u>
1	510100-103	GROOV-PIN
2	510100-111	GROOV-PIN
3	76774-1	ROLLER
4	GW77061-5	SHIFT SLIDE GROUP
5	11071-ED	WASHER
6	511810	TRUARC RETAINING RING
7	11071-FN	WASHER (AS REQ'D.)
8	95167-1	COMPOUND GEAR
9	G-95182-1	BRACKET ASSEMBLY
10	510020	LOCKWASHER
11	503305-WN	1/4-20 X 1-3/8 LG. HEX HD.
		CAP SCREW
12	95168-1	IDLER GEAR
13	505018-WN	3/8-16 X 1-1/2 LG. HEX HD.
		CAP SCREW
14	510023CAD	3/8 LOCKWASHER
15	510100-102	GROOV-PIN
16	95166-1	DRIVE GEAR
17	86661-1	CENTER SHAFT (3 WHEEL)
	86661-2	CENTER SHAFT (4 WHEEL)
18	11071-JE	WASHER
19	77001-2	IDLER GEAR
20	74800-108	WASHER
21	95291-1	SHIFT CAM
22	G-86742-30	RIGHT HAND FRAME ASSEMBLY

MODEL 77 POWER RESET



ORDER 412516-1 FOR COMPLETE
COVER ASSEMBLY (UNLIGHTED)
ORDER 412516-2 FOR COMPLETE
COVER ASSEMBLY (LIGHTED)

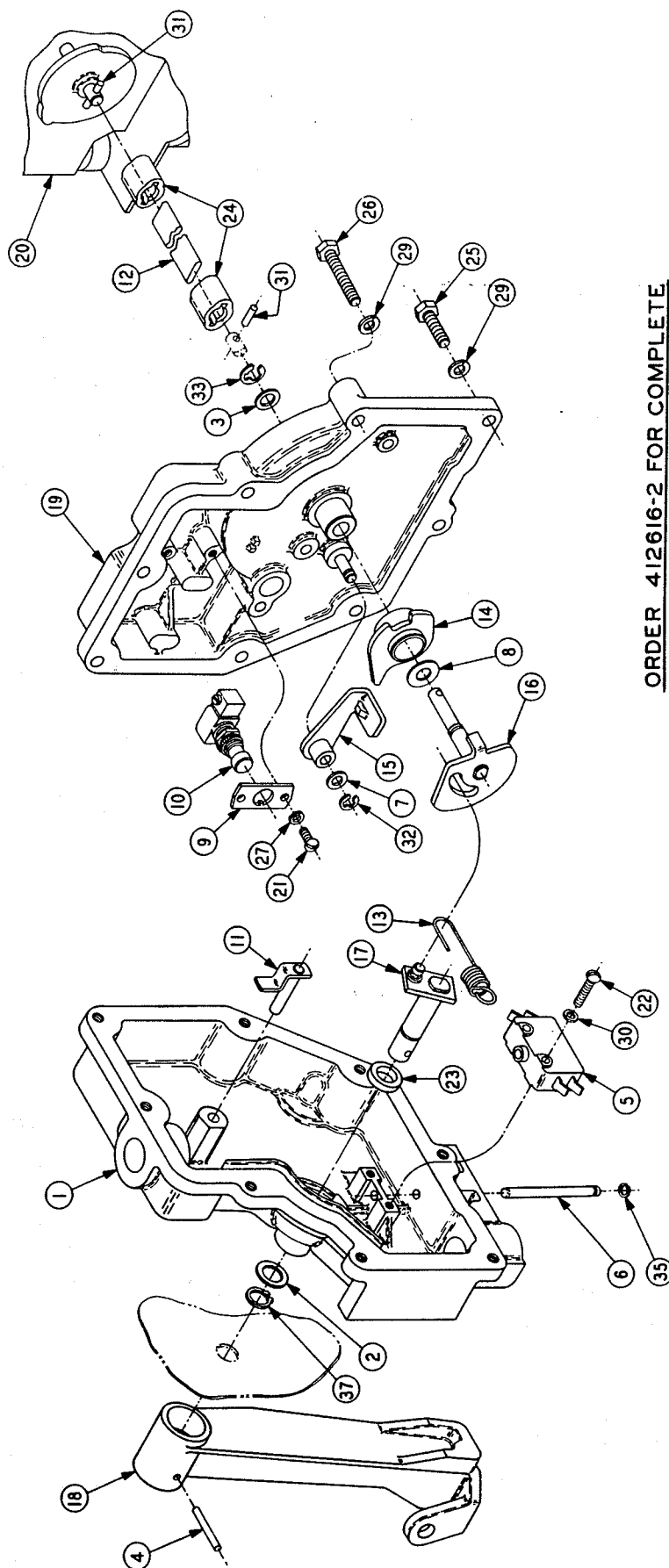
TOKHEIM CORPORATION
FORT WAYNE, INDIANA

7-74490

MODEL 77 POWER RESET

Item Part		Description		Item Part		Description	
No.	No.			No.	No.		
1	415254-1	RESET BOX & PIN ASSY		30	1-316301	CONTROL LEVER	
2	3-124955	SPRING WASHER		31	COMPUTER		
3	3-110901	THRUST WASHER			1-413951	(3 WHEEL) MODEL 101	
4	45-51221	1/8 X 1-1/4 GROOV-PIN			1-415421	(4 WHEEL) MODEL 2001	
5	1-129798	SWITCH D.P.S.T.			1-415777	(4 WHEEL) MODEL 2002	
6	1-128775	DRIVE			1-416742	(4 WHEEL) MODEL 2002E	
7	1-129287	PINION		32	1-224447	SHOULDER SCREW	
8	1-130611	OPERATOR SPRING		33	1-230337	DAMPENER SPRING	
9	1-128792	LEAF ACTUATOR		34	100-50001	#6-32 X 3/4 LG RD HD MACH SCREW	
10	1-128797	RESET SWITCH		35	102-50001	#6-32 X 7/8 LG RD HD MACH SCREW	
11	1-128798	OPERATOR ROD		36	106-50001	#6-32 X 1-1/8 LG RD HD MACH SCREW	
	1-130596	PLUG SHAFT		37	170-50001	#8-32 X 3/8 LG RD HD MACH SCREW	
12	1-128828	SHIM WASHER		38	1-224550	ADJUSTING SCREW	
13	1-128829	INSULATOR		39	05-50211	#10-24 HEX NUT	
14	1-131517	PLUG		40	04-50361	1/4-20 X 7/8 LG HEX HD CAP SCREW	
15	1-126783	SPRING WASHER		41	07-50361	1/4-20 X 1-1/2 LG HEX HD CAP SCREW	
16	1-224716	LIGHT SWITCH		42	1-131169	PIN COLLAR	
17	1-222976	GEAR COVER		43	03-50761	#6 LOCKWASHER	
18	1-223012	CAM		44	08-50641	#8 LOCKWASHER	
19	223030-1	HANDLE OPERATOR ASSY		45	05-50761	#1110 LOCKWSAHER	
20	223063-2	TERMINAL BRACKET ASSY		46	07-50761	#1114 LOCKWASHER	
21	223566-1	INTERPONENT ASSEMBLY		47	21-50761	#1206 LOCKWASHER	
22	223066-1	IDLER SHAFT ASSEMBLY		48	44-51240	1/8 X 1" LG GROOV-PIN	
23	223068-1	COMPUTER DRIVE ASSEMBLY		49	06-52482	TRUARC "E" RETAINING RING	
24	223069-1	ACTUATOR ASSEMBLY		50	04-51901	1/2 PIPE PLUG	
	1-130595	PLUG SHAFT		51	13-52922	TRUARC RETAINING RING	
25	COUPLING			52	03-52920	TRUARC RETAINING RING	
	1-223729	(4 WHEEL - SIDE MOUNT & TWINS)		53	44-51240	1/8 X 1" LG GROOV-PIN	
	2-223729	(3 WHEEL - SIDE MOUNT & TWINS)		54	18-52922	TRUARC RETAINING RING	
	3-223729	(4 WHEEL - CENTER MOUNT)		55	06-53272	RELANCE SQ SNAP RING	
	4-223729	(3 WHEEL - CENTER MOUNT)					
26	1-223175	HANDLE SPRING					
27	312942-3	RESET MOTOR ASSEMBLY					
28	1-313932	SWITCH BRACKET					
29	314076-1	COVER & BEARING ASSEMBLY					

MODEL 77 MANUAL RESET



ORDER 412616-2 FOR COMPLETE
COVER ASSEMBLY (DOES NOT INCLUDE
LIGHT SWITCH & BRACKET, ITEM NO.9 & 10-
ORDER SEPERATELY)

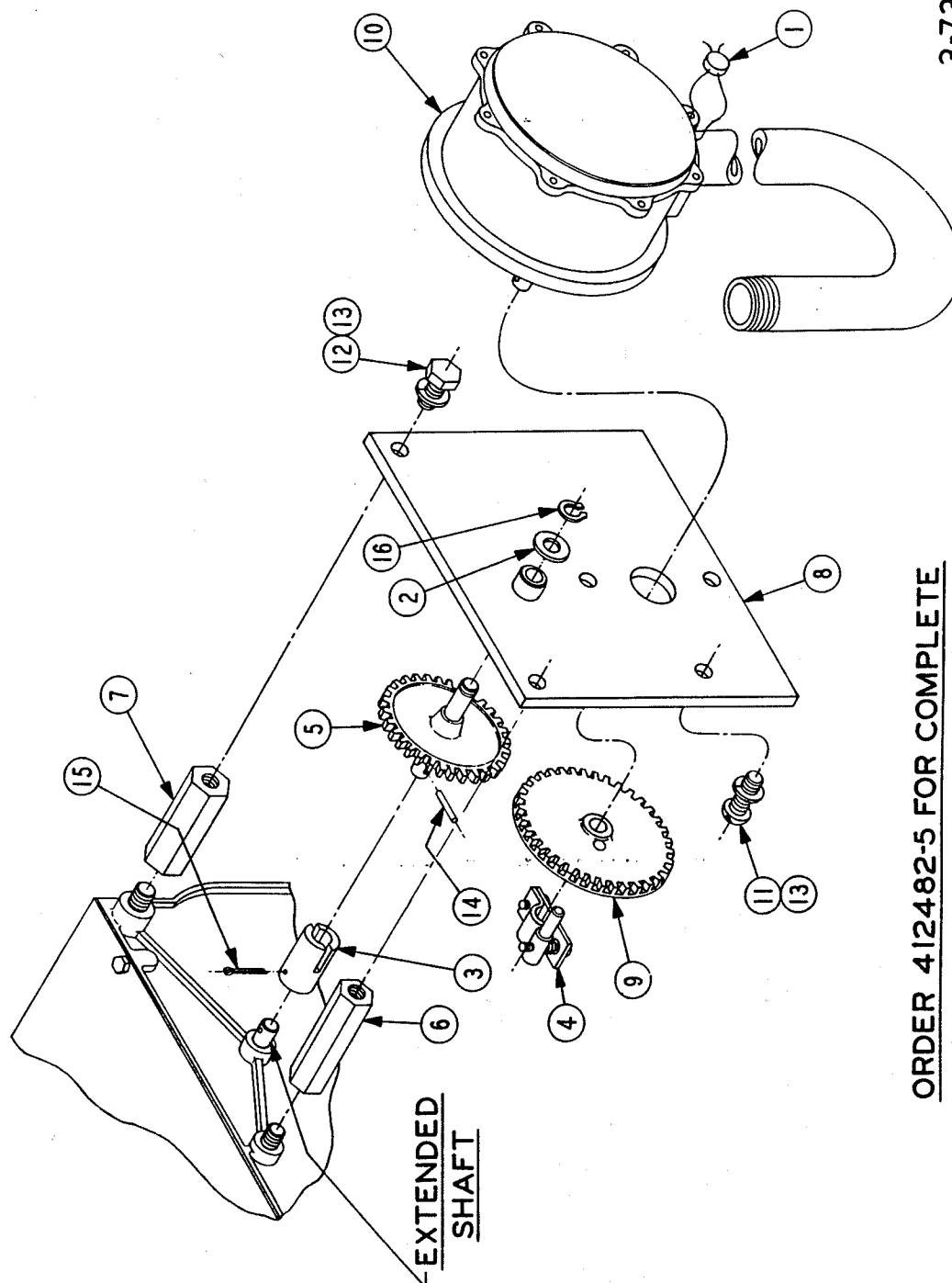
TOKHEIM CORPORATION
FORT WAYNE, INDIANA

4-74507

MODEL 77 MANUAL RESET

Item No.	Part No.	Description	Item No.	Part No.	Description
1	415254-1	RESET BOX & PIN ASSEMBLY	19	313025-2	COVER & BEARING ASSEMBLY
2	1-216783	WASHER	20	2-412181	COMPUTER (3 WHEEL)
3	3-110901	THRUST WASHER	21	2-412182	COMPUTER (4 WHEEL)
4	53-51241	5/32 X 1-1/4 LG. GROOV-PIN	22	90-50001	#6-32 X 5/16 LG. RD. HD. MACH. SCREW
5	1-129798	SWITCH D.P.S.T.	23	102-50001	#6-32 X 7/8 LG. RD. HD. MACH. SCREW
6	1-128798	OPERATING ROD	24	1-224617	SPACER
7	1-128828	SHIM WASHER		<u>COUPLING</u>	
8	1-129578	WASHER		1-224719	(3 WHEEL - SIDE MOUNT & TWINS, 3 & 4 WHEEL CENTER MOUNT)
9	1-128902	SWITCH BRACKET		1-224687	(4 WHEEL - SIDE MOUNT & TWINS)
10	1-224716	LIGHT SWITCH	25	04-50361	1/4-20 X 7/8 LG. HEX. HD. CAP SCREW
11	223069-1	ACTUATOR ASSEMBLY	26	07-50361	1/4-20 X 1-1/2 LG. HEX. HD. CAP SCREW
12	<u>COUPLING SHAFT</u>		27	06-50641	#6 LOCKWASHER
	1-224688	(4 WHEEL - CENTER MOUNT)	29	07-50761	#1114 LOCKWASHER
	2-224688	(3 WHEEL - CENTER MOUNT)	30	21-50761	#1206 LOCKWASHER
	4-224688	(3 WHEEL - SIDE MOUNT & TWINS)	31	51-51341	5/32 X 7/8 LG. GROOV-PIN
13	1-224619	HANDLE SPRING	32	07-52921	TRUARC RETAINING RING
14	223195-1	PAWL ASSEMBLY	33	07-52481	TRUARC "E" RETAINING RING
15	223215-1	OPERATOR ASSEMBLY	35	03-52921	TRUARC RETAINING RING
16	224615-1	OUTPUT SHAFT ASSEMBLY	37	18-52921	TRUARC RETAINING RING
17	224611-1	HANDLE OPERATOR ASSEMBLY			
18	314111-1	CONTROL LEVER ASSEMBLY			

CONTACTOR & GEAR ASSEMBLY MODEL 785 SERIES



3-73227

ORDER 412482-5 FOR COMPLETE
CONTACTOR & GEAR ASSEMBLY

3-73227

1 of 1

CONTACTOR AND GEAR ASSEMBLY

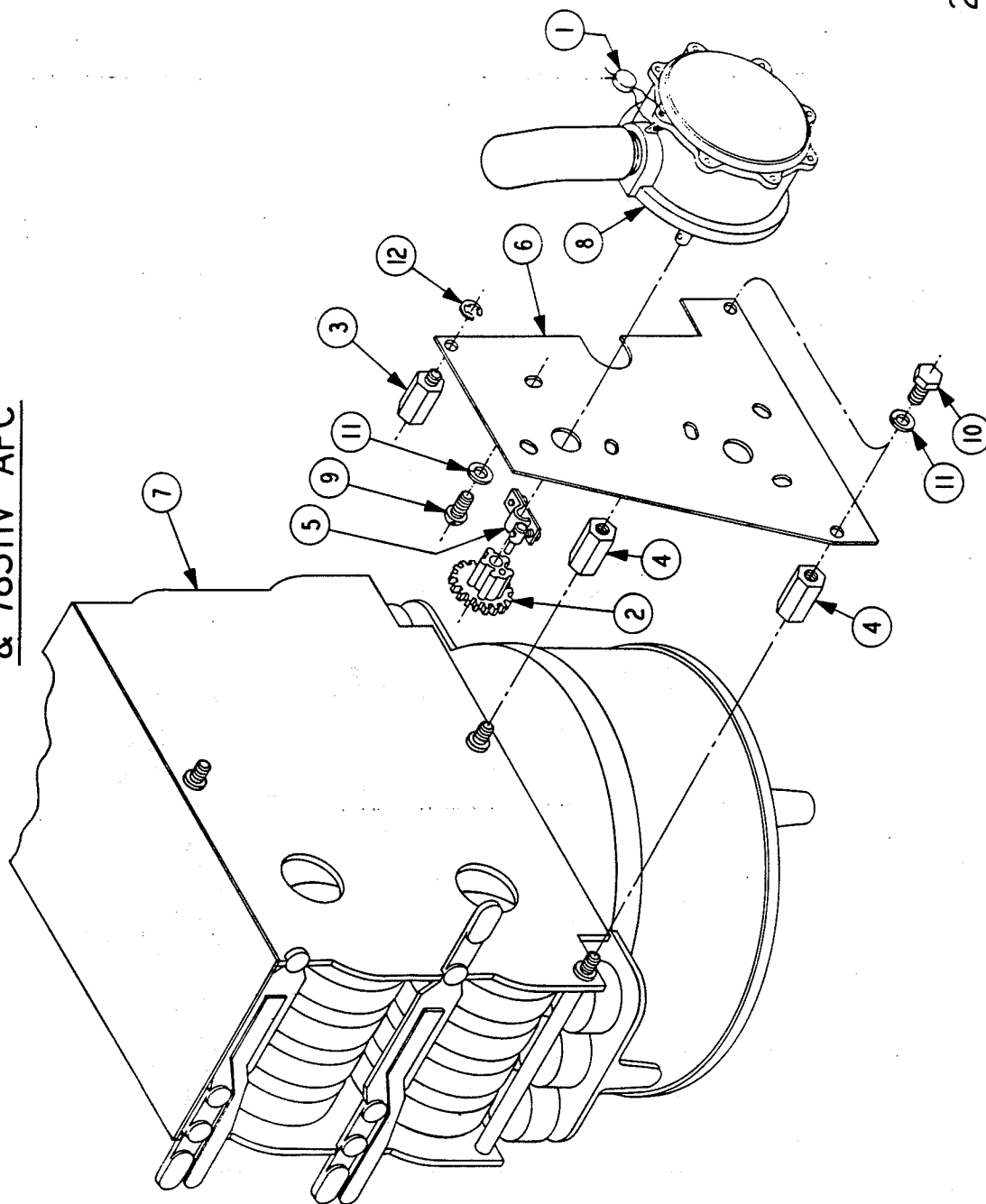
Item No.	Part No.	Description
1	1-118849	SEAL WIRE & SEAL (8" LG)
2	1-126667	WASHER
3	1-127265	COUPLING
4	224577-1	ADJUSTING BLOCK ASSEMBLY
5	222068-1	DRIVE GEAR ASSEMBLY
6	1-222521	1/2 HEX X 1-57/64 LG SPACER
7	1-222522	5/8 HEX X 1-23/32 LG SPACER
8	223332-1	PLATE & BEARING ASSEMBLY
9	1-224178	DRIVEN GEAR
10	CONTACTOR & CONDUIT ASSY	
	412595-5	(10 PULSES PER GAL)
	412595-13	(1 PULSE PER GAL)
11	397-50001	1/4-20 X 5/8 LG RD HD MACH SCREW
12	01-50361	1/4-20 X 1/2 LG HEX HD CAP SCREW
13	13-50641	1/4 LOCKWASHER
14	25-51321	3/32 X 5/8 LG GROOV-PIN
15	22-51201	1/16 X 1" LG COTTER RING
16	07-52922	TRUARC RETAINING RING
	COMPLETE CONTACTOR & GEAR ASSEMBLY	
	412482-5	(10 PULSES PER GAL)
	COMPLETE CONTACTOR & BEARING	
	412482-6	(1 PULSE PER GAL)

3-73227

COMPUTER & CONTACTOR ASSEMBLY

MODEL 785-APC-TWIN SERIES

& 785HV-APC



2-73488

COMPUTER AND CONTACTOR ASSEMBLY

<u>Item No.</u>	<u>Part No.</u>	<u>Description</u>
1	1-118849	SEAL WIRE & SEAL (8" LG)
2	1-129838	GEAR
3	1-129839	UPPER SPACER
4	1-129840	LOWER SPACER
5	224577-1	ADJUSTING BLOCK ASSEMBLY
6	1-313940	MOUNTING PLATE
7	2-412185	NON-COMPUTER (4 WHEEL)
8	412595-14	CONTACTOR & CONDUIT ASSY
9	393-50001	1/4-20 X 7/16 LG RD HD MACH SCREW
10	16-50361	1/4-28 X 1/2 LG HEX HD CAP SCREW
11	13-50641	1/4 LOCKWASHER
12	06-52482	TRUARC RETAINING RING



7

4



USER'S COMMENT AND EVALUATION FORM



PLEASE FILL IN THIS INFORMATION

MANUAL _____

FORM NUMBER _____

We appreciate your comments and evaluation (both favorable and unfavorable) of this manual.

1. This manual was easy to follow. YES _____ NO _____
2. The information was easy to understand YES _____ NO _____
3. Section _____ of this manual was most helpful. *(briefly state why)*

4. Section _____ of this manual was least helpful. *(briefly state why)*

5. What errors, if any, did you find? *(Please identify by page number)*

page number | _____

page number | _____

page number | _____

page number | _____

page number | _____

Suggestions for Improvements/Additional Comments:

Name _____

Title _____

Company _____

Date _____

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