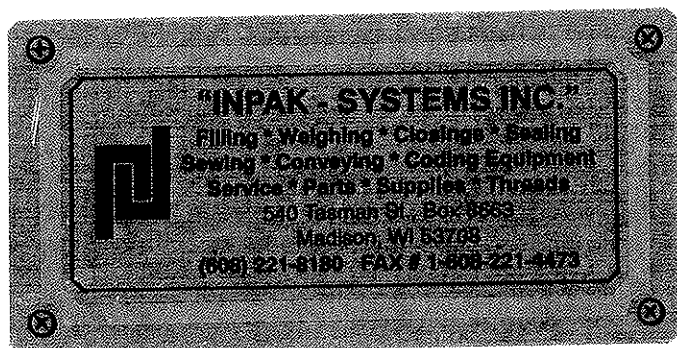
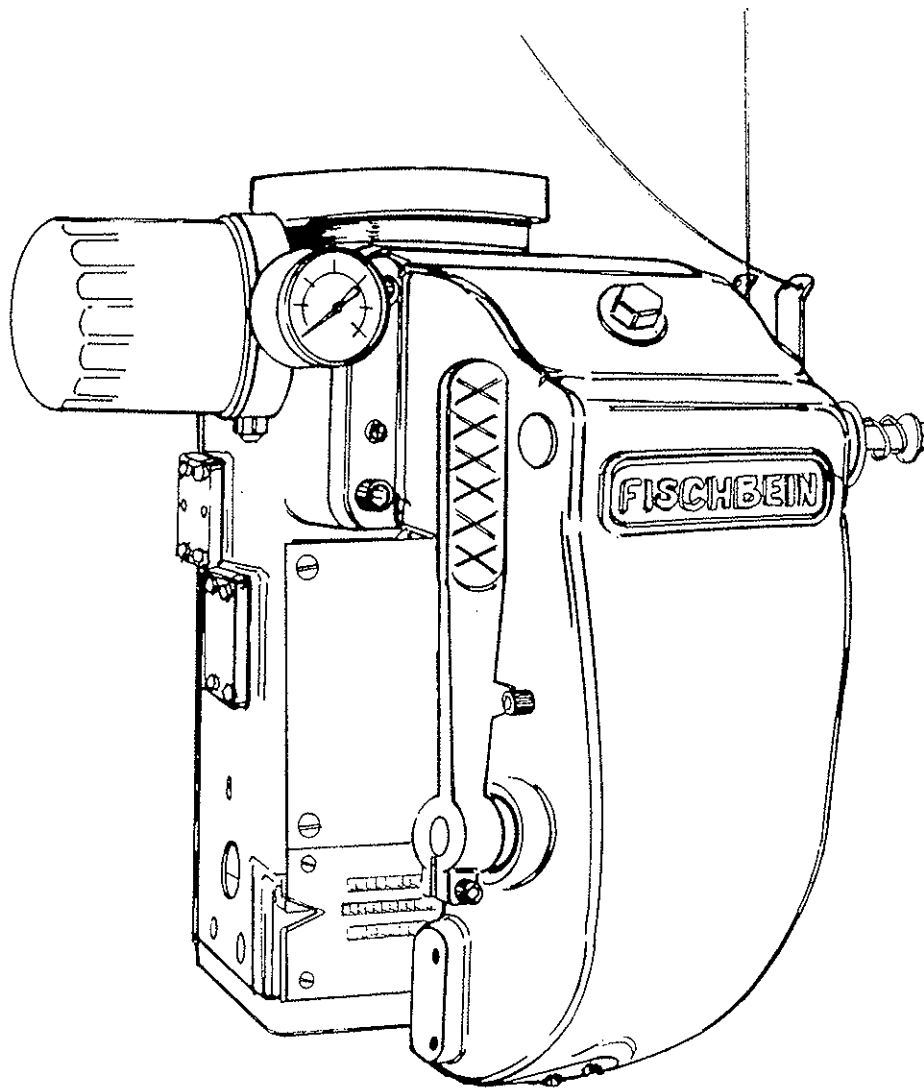
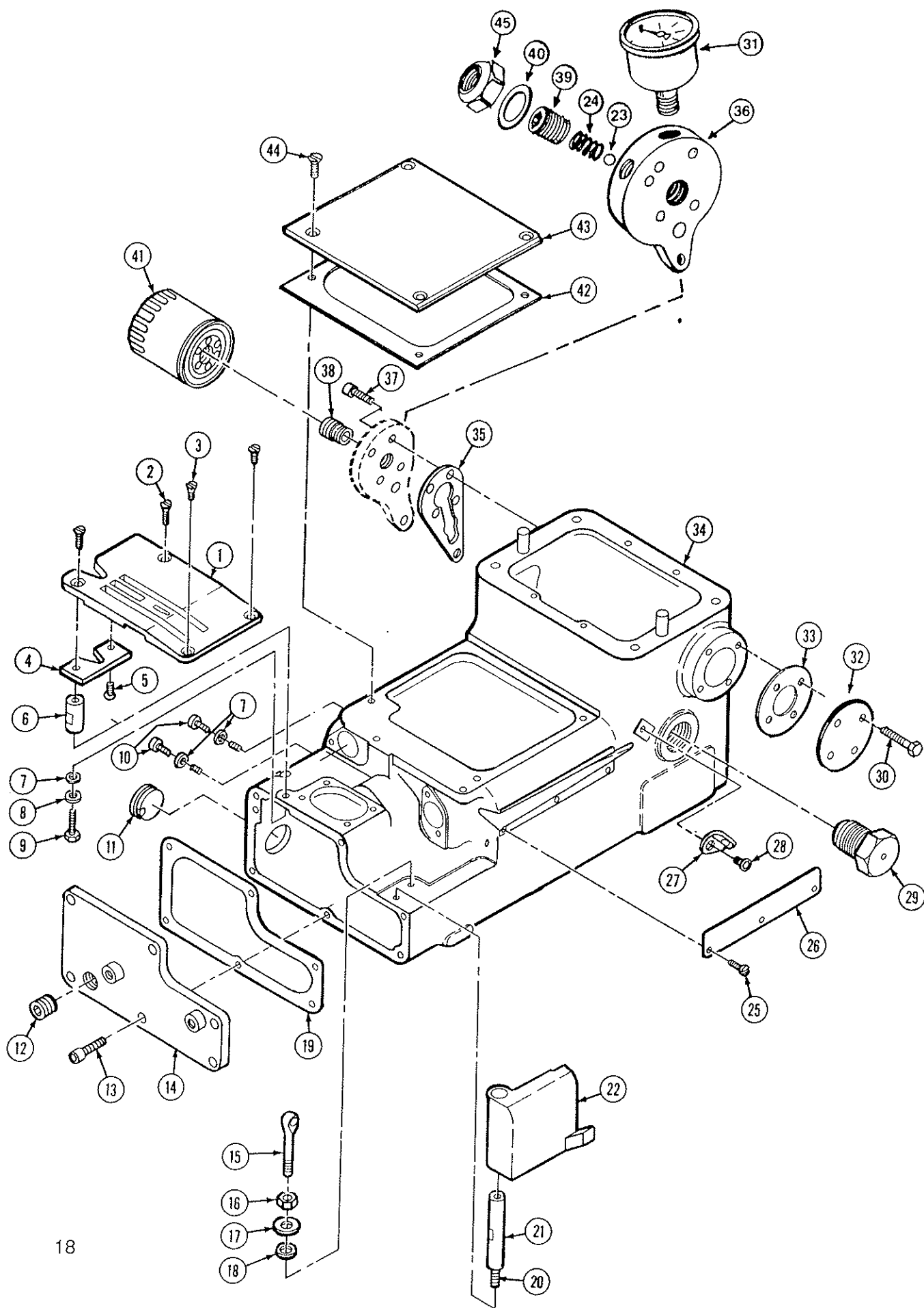


FISCHBEIN BAG CLOSER

INSTRUCTION & PARTS MANUAL MODEL 90

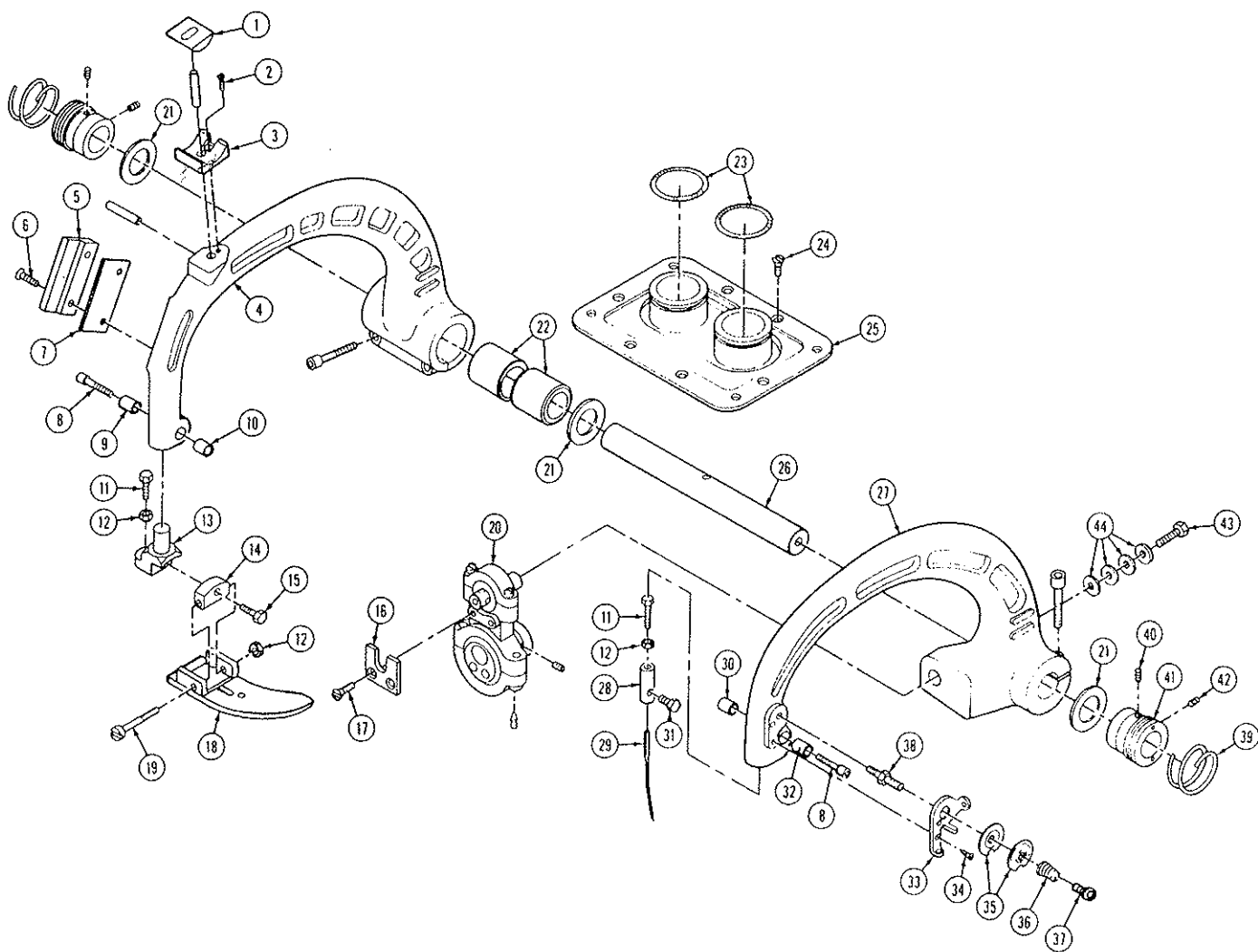


PART NO. 35018
REVISION 3/91



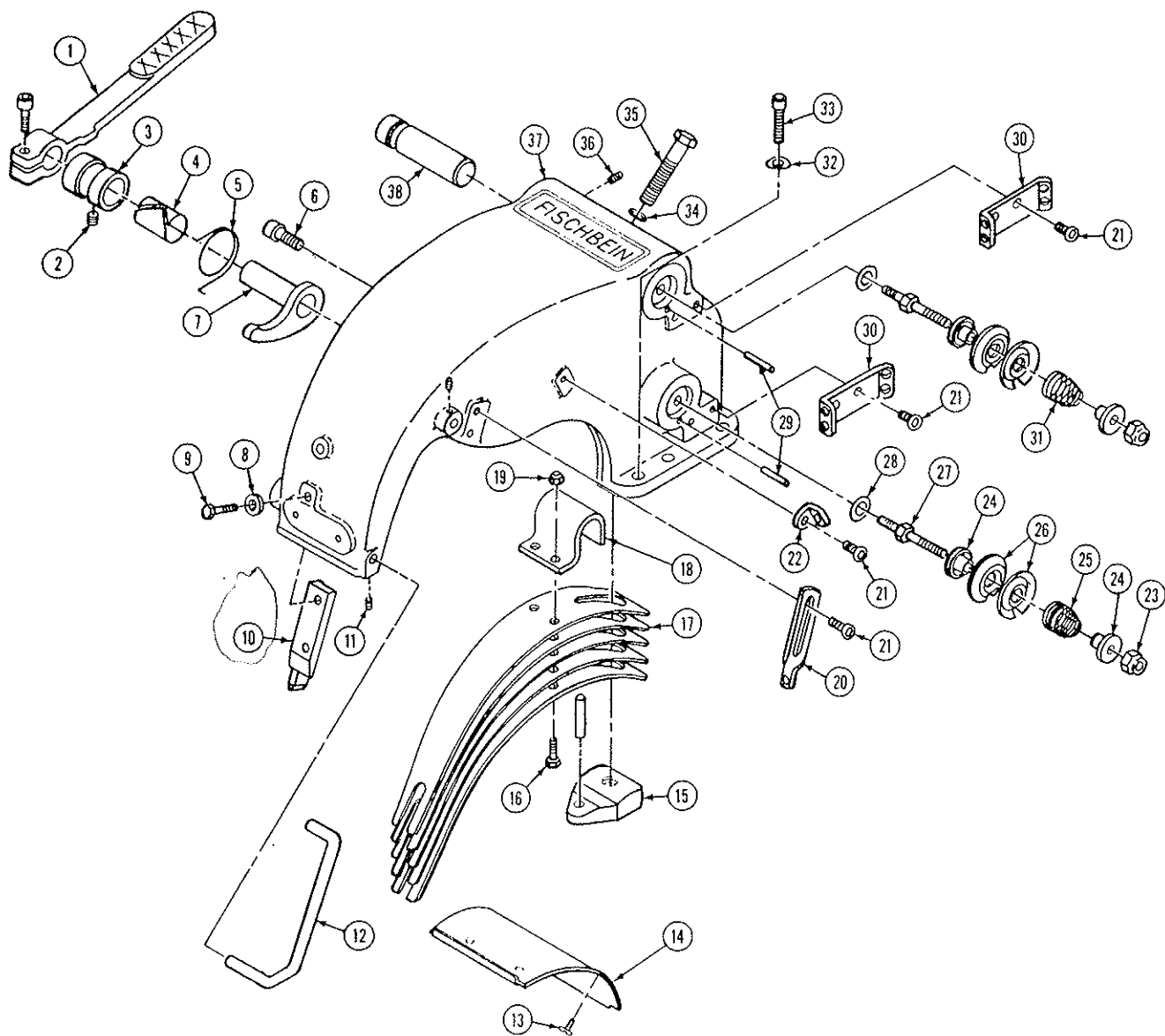
MAIN HOUSING

ITEM	QUAN.	PART.NO.	DESCRIPTION
1	1	10017	PLATE, THROAT
2	2	F103258	SCREW, FLAT HD #10-32x5/8
3	2	F103238	SCREW, FLAT HD #10-32x3/8
4	1	10091	KNIFE, STATIONARY
5	1	F83214	SCREW, FLAT HD#8-32x1/4
6	1	10015	POST, SHORT - THROAT PLATE
7	3	WN8	WASHER, NYLON
8	1	WF10	WASHER, FLAT#10
9	1	H103212	SCREW, HEX HD#10-32x1/2
10	2	B103214	SCREW, BINDING HD#10-32x1/4
11	1	10112	WINDOW, OIL LEVEL
12	1	10111	PLUG, DRAIN - MAGNETIC
13	6	SC103258	SCREW, SOC. CAP#10-32x5/8
14	1	15072	COVER, BOTTOM
15	1	10170	PULL-OFF - LOOPER THREAD
16	1	NH1420	NUT, HEX
17	1	WF14	WASHER, FLAT #14
18	1	10052	WASHER - NYLON
19	1	10093	GASKET, COVER - BOTTOM
20	1	SS10321	SCREW SOC.SET#10-32x1
21	1	10016	POST, LONG - THROAT PLATE
22	1	10005	DOOR, LOOPER
23	1	15069	BALL, CHROME
24	1	15078	SPRING, PRESSURE
25	3	B632316	SCREW, BINDING HD#6-32x3/16
26	1	10098	COVER, GROOVE - THREAD
27	1	10164	EYELET, THEAD - SHORT
28	1	SB103212	SCREW, SOC.BUTTON #10-32x1/2
29	1	10116	ASS'Y, PLUG - BREATHER
30	4	H103212	SCREW, HEX HD#10-32x1/2
31	1	15053	GAUGE, OIL PRESSURE #60
32	1	15079	PLATE, COVER - SIDE
33	1	10094	GASKET, MAIN SHAFT SEAL
34	1	15002	HOUSING, MAIN
35	1	10095	GASKET, COVER - MANIFOLD
36	1	15056	MANIFOLD, FILTER
37	5	SC103234	SCREW, SOC.CAP#10-32 N.C.x3/4
38	1	15062	NIPPLE, FILTER - OIL
39	1	15064	PLUG, ADJUSTING - MANIFOLD
40	1	15074	SEAL, NYLON
41	1	15054	CARTRIDGE, OIL - FILTER
42	1	10092	GASKET, COVER - TOP
43	1	10014	PLATE, COVER - TOP
44	4	F103238	SCREW, FLAT HD#10-32x3/8
45	1	11268	NUT, LOCK



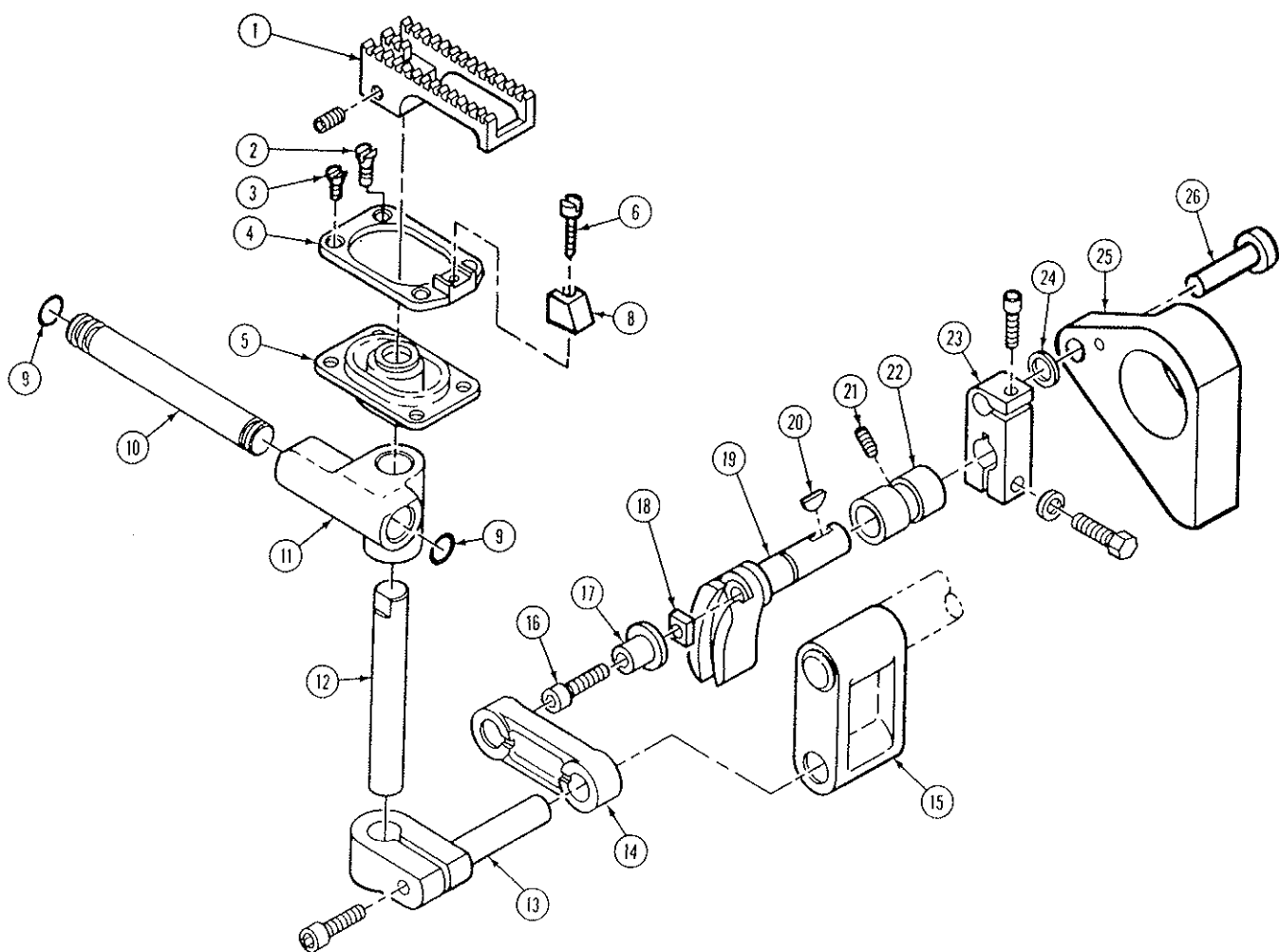
NEEDLE & PRESSER FOOT ASSEMBLIES

ITEM	QUAN.	PART NO.	DESCRIPTION
1	1	10190	PAD,SPRING-PRESSER FOOT
2	1	F63214	SCREW,FLAT HD#6-32x1/4
3	1	10189	CRADLE,PAD-PRESS.FT.SPG.
4	1	10004	LEVER,PRESSER FOOT
	2	SC14201	SCREW,SOC.HD CAP#14-20x1
	2	PS14112	PIN, ROLL
5	1	10163	CLAMP,BEARING-SHEET
6	2	F103258	SCREW,FLAT HD#10-32x5/8
7	1	10162	SHEET,BEARING-PR.FT.LV.GD.
8	2	SC63234	SCREW,SOC.HD CAP#6-32x3/4
9	1	10213	PLUG,CLAMP-DRILLED(PRESS.FT.)
10	1	10214	PLUG,CLAMP-TAPPED(PRESS.FT.)
11	2	H103234	SCREW,HEX #10-32x3/4-GRADE 5
12	3	NH1032	NUT
13	1	10155	SHANK, PRESSER FOOT
14	1	10156	BLOCK, HINGE-PRESSER FOOT
15	2	H103234	SCREW,HEX #10-32x3/4-GRADE 5
16	1	10048	RETAINER, ROD-CONNECTING
17	2	F103238	SCREW, FLAT HD310-32x3/8
18	1	10185	PRESSER FOOT
	1	10285	PRESSER FOOT,(RIP CORD)
19	1	10182	BOLT,HINGING-PRESSER FOOT
20	1	15018	ROD,CONNECTING-NEEDLE DRIVE
	1	SS142038CP	SCREW,SET-CONE PT.#14-20x3/8
	1	SS142014	SCREW,SET#14-20x1/4
21	3	T3129	WASHER, THRUST
22	2	10029	BUSHING,LEVER-PRESSER FOOT
23	2	10128	SPRING,GARTER-LEVER SEAL
24	4	F103238	SCREW,FLAT HD#10-32x3/8
25	1	10137	SEAL, LEVERS
26	1	10026	SHAFT, LEVERS
27	1	15073	LEVER, NEEDLE
	2	SC1420114	SCREW,SOC.HD CAP#14-20x1/4
28	1	10031	CHUCK, NEEDLE
29	1	C100-S	NEEDLE
30	1	10212	PLUG,CLAMP-TAPPED(NEEDLE LV.)
31	1	10011	SCREW, CLAMP NEEDLE
32	1	10211	PLUG,CLAMP-DRILLED(NEEDLE LV.)
33	1	10166	GUIDE,THREAD-(NEEDLE LEVER)
34	2	F54038	SCREW,FLAT HD#5-40x3/8
35	2	10119	DISC, TENSION-SMALL
36	1	10009	SPRING,TENSION-(NEEDLE LEVER)
37	1	B103238	SCREW,BINDING HD#10-32x3/8
38	1	10113	STUD, TENSION-(NEEDLE LEVER)
39	2	10023	INSERT,THREAD-LVR SHFT BUSH'G
40	2	SS103238	SCREW,SET #10-32x3/8
41	2	10025	BUSHING, SHAFT LEVERS
42	2	SS1032316	SCREW,SET #10-32x3/16
43	1	H142812	SCREW,HEX #14-28x1/2-GRADE 5
44	4	15076	WASHER, SPRING #1/4



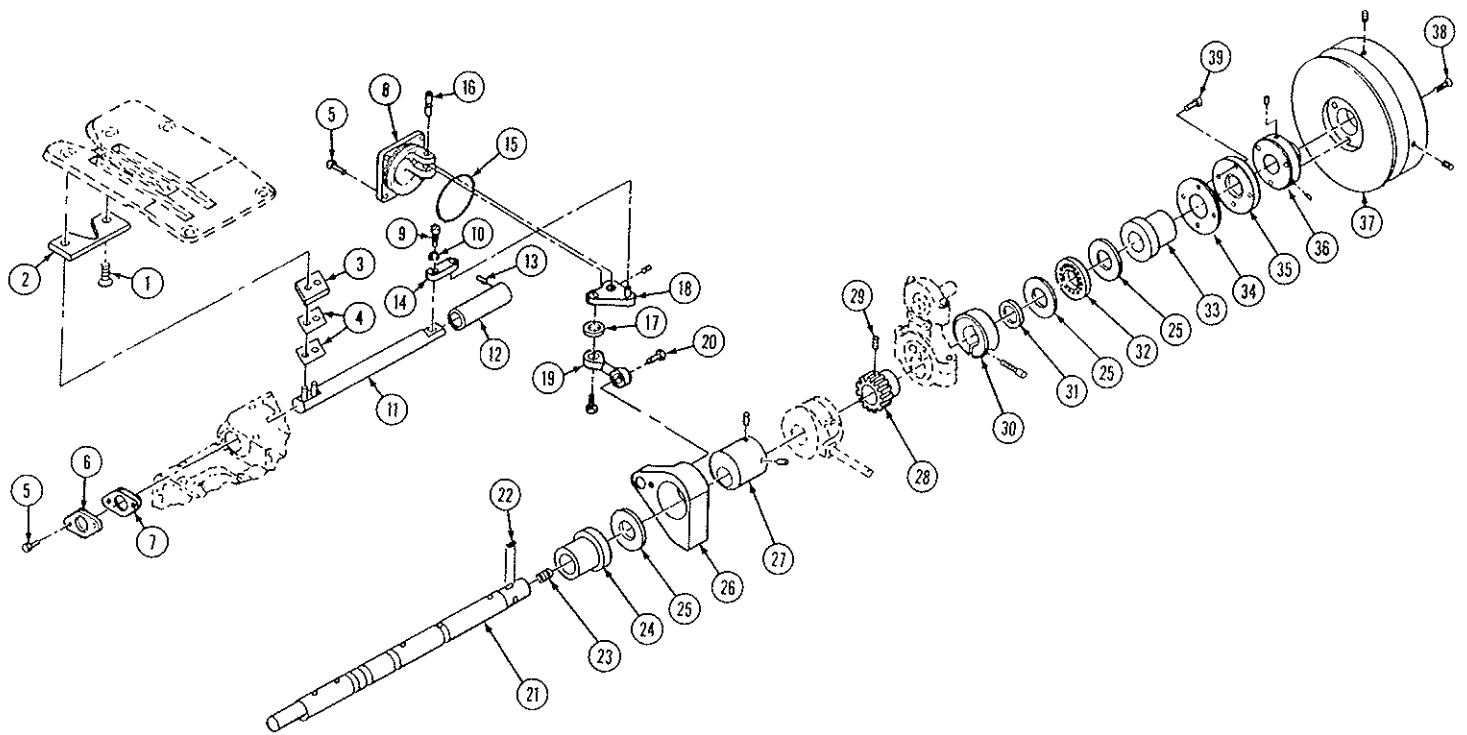
LEVERS HOUSING ASSEMBLY

ITEM	QUAN.	PART NO.	DESCRIPTION
1	1	10141	LEVER,LIFTER-PRESSURE FOOT
	1	SC142034	SCREW,SOC.CAP 1/4-20x3/4
2	1	SS142014	SCREW, SET #14-20x1/4
3	1	10139	BUSHING,LIFTER-PRESSER FOOT
4	1	10186	LINER,BUSHING-LIFTER LEVER
5	1	10187	SPRING, LIFTER LEVER
6	1	SC5161858	SCREW, STOP-LIFTER LEVER
7	1	10142	CAM,LIFTER-PRESSER FOOT
8	2	WS10	WASHER, SPRING #10
9	2	H103278	SCREW, HEX HD #10-32x7/8
10	1	10161	GUIDE, LEVER-PRESSER FOOT
11	2	SS1032516	SCREW, SET #10-32x5/16
12	1	10188	GUARD, TENSION-NEEDLE
13	2	B103238	SCREW, BINDING HD #10-32x3/8
14	1	10123	COVER, GUARD - LEVERS
15	1	10146	PLATE,PRESS. FT. SPRG.-TAPPED
	1	PS141	PIN, ROLL
16	2	H103234	SCREW, HEX HD #10-32x3/4
17	5	10145	SPRING, PRESSER FOOT
18	1	10144	CLAMP, SPRING-PRESSER FOOT
19	2	1-178	NUT, LOCK
20	1	10171	PULL-OFF, NEEDLE THREAD
21	7	SB103212	SCREW,SOC BUTTON 10-32x1/2
22	1	10164	EYELET, THREAD-SHORT
23	2	NH1428L	NUT,#14-28-LOCKING
24	4	10114	SLEEVE, TENSION
25	1	10008	SPRING, TENSION-LOOPER THREAD
26	4	10120	DISC, TENSION-LARGE
27	2	10115	STUD, TENSION
28	2	11120	WASHER, LOCK
29	2	PS18114	PIN,RETAINING-TENSION DISC
30	2	10165	EYELET, THREAD-LONG
31	1	10007	SPRING, TENSION-NEEDLE THREAD
32	4	10234	WASHER, SPRING
33	4	SC516181	SCREW, SOC.CAP #516-18x1
34	1	WF38	WASHER
35	1	H3824134	SCREW, ADJ.#38-24x1 3/4
36	1	SS142038	SCREW, SET #14-20x3/8
37	1	10002	HOUSING, LEVERS
38	1	10143	SHAFT, SPRING-PRESSER FOOT



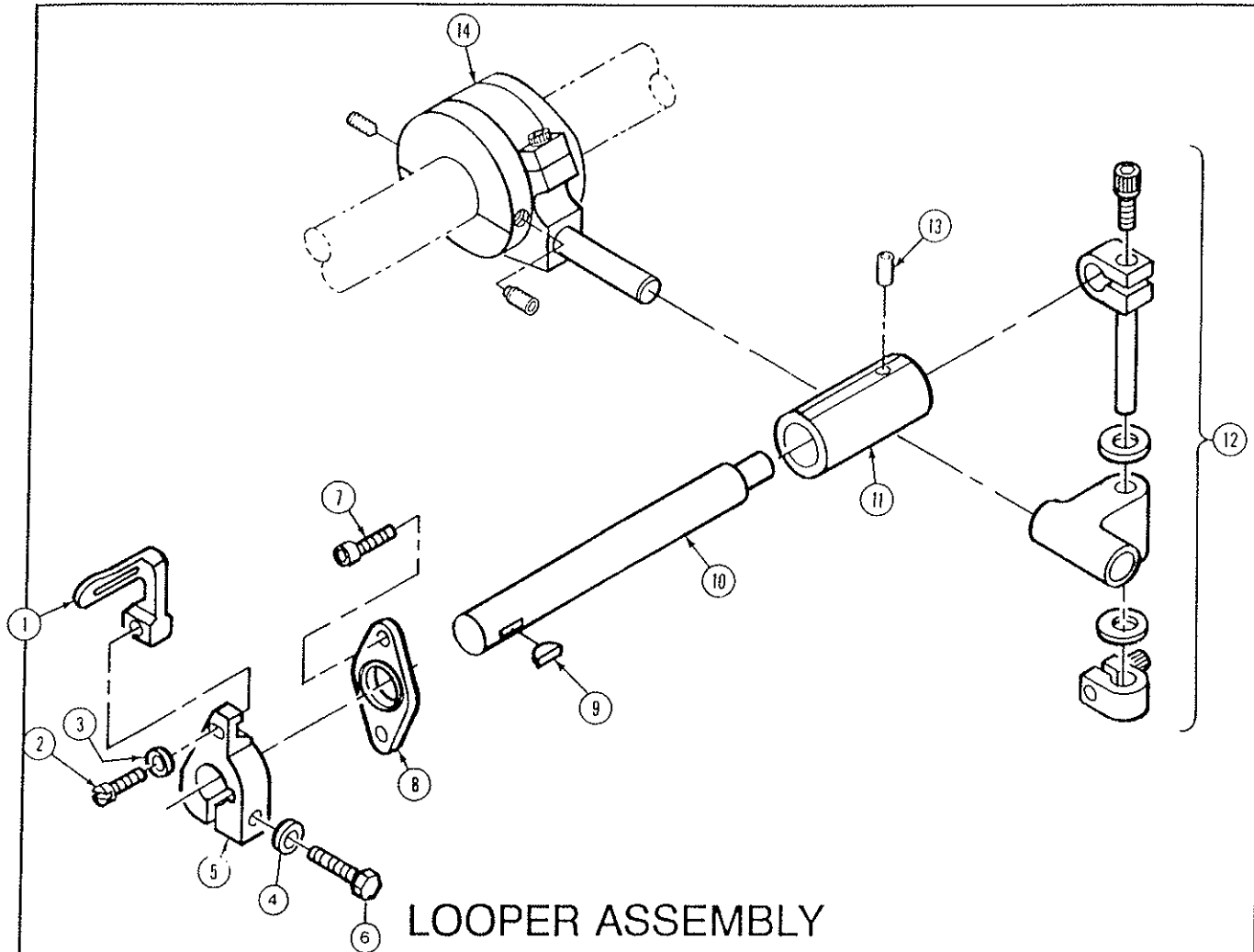
FEED ASSEMBLY

ITEM	QUAN.	PART NO.	DESCRIPTION
1	1	10078	DOG, FEED
			CTR.ROW OF TEETH HAS 4 TEETH
		10079	DOG, FEED
			CTR.ROW OF TEETH HAS 3 TEETH
	1	SS1032516	SCREW,SET#10-32x5/16
2	1	F103238	SCREW,FLAT HD#10-32x3/8
3	3	F103212	SCREW,FLAT HD#10-32x1/2
4	1	10177	HOLDER, GUARD-NEEDLE
5	1	10077	SEAL, DOG - FEED
6	1	P540916	SCREW,PAN HD #5-40x9/16
8	1	10174	GUARD, NEEDLE
9	2	10075	RING, "O"
10	1	10074	ROD, SLIDE - FEED
11	1	10073	SLIDE, FEED
12	1	10072	ROD, CARRIER - FEED DOG
13	1	10070	CLAMP,ROD-FEED DOG CARRIER
	1	SC142078	SCREW,SOC.HD CAP#14-20x7/8
14	1	10069	LINK, STROKE - FEED
15	1	10071	LINK, LIFT - FEED
16	1	SC142878	SCREW,SOC.HD CAP#14-28x7/8
17	1	10068	PIVOT,ADJUSTING-FEED STROKE
18	1	10067	NUT,PIVOT-FEED STROKE ADJ'G.
19	1	10066	LEVER,SLOTTED-FEED ROCKER
20	1	T3192	KEY
21	1	SS1032516	SCREW, SET#10-32x5/16
22	1	10109	BUSHING,SHAFT-FEED ROCKER
23	1	10063	LEVER,PIN-FEED ROCKER
	1	SC54012	SCREW,SOC.HD CAP#5-40x1/2
	1	H103234	SCREW,HEX #10-32x3/4-GRADE 5
	1	WF10	WASHER, FLAT#10
24	1	10215	WASHER, THRUST
25	1	15070	ROD,CONNECT'G-PRIM.FEED STK.
26	1	10064	PIN,ROD-FEED STROKE CONNECT.



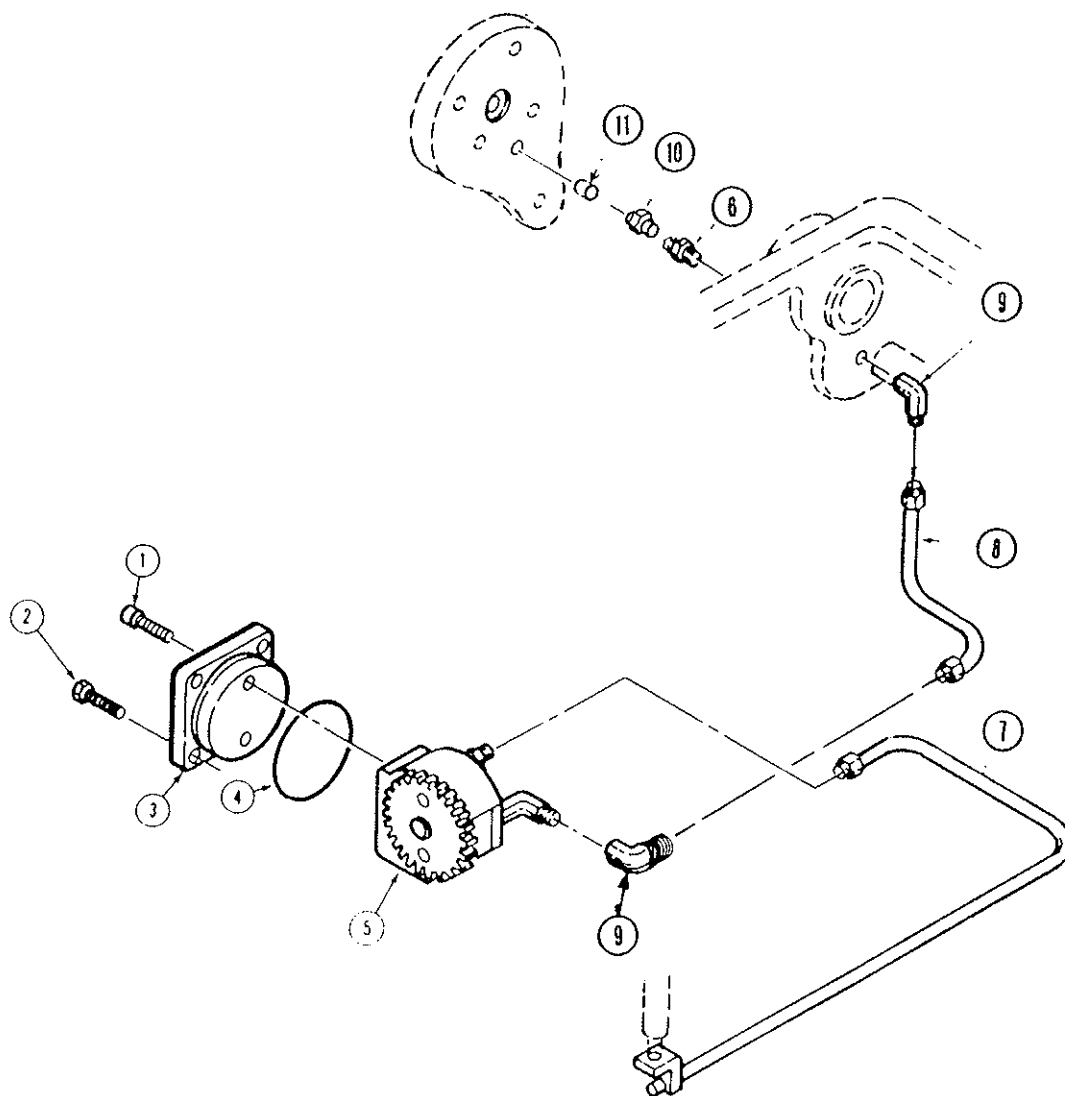
MAIN SHAFT & KNIFE ASSEMBLY

ITEM	QUAN.	PART NO.	DESCRIPTION
1	1	F83214	SCREW,FLAT HD#8-32x1/4
2	1	10091	KNIFE, STATIONARY
3	1	10090	KNIFE, MOVING
4	2	10089	SPRING, KNIFE
5	6	H103212	SCREW,HEX HD310-32x1/2
6	1	10076	ASSEMBLY,SEAL-KNIFE SHAFT
7	1	10058	GASKET, LOOPER SHAFT
8	1	10085	BRACKET, PIVOT - KNIFE
9	1	10087	SCREW, PIVOT - KNIFE
10	1	11120	WASHER, LOCK
11	1	10088	SHAFT, KNIFE
12	1	10056	BUSHING, SHAFT - KNIFE
13	1	SS1032516	SCREW,SET#10-32x5/16
14	1	10086	LINK, KNIFE
15	1	10084	RING, "O"
16	1	10083	SHAFT,BELL CRANK-KNIFE
17	1	WF10	WASHER, FLAT#10
18	1	10082	CRANK, BELL - KNIFE
	1	SS540316	SCREW,SET#5-40x3/16
19	1	10080	ASSEMBLY,CONNECT'G ROD-KNIFE
20	2	H103258	SCREW,HEX HD 10-32x5/8-GRD.5
21	1	10045	SHAFT, MAIN
22	1	T3192	KEY
23	1	10125	PLUG, PIPE - MAINSHAFT
24	1	15042	BUSHING,MAIN SHAFT-NEEDLE END
25	3	T3129	WASHER, THRUST
26	1	15070	ROD,CONNECT'G-PRIM.FEED STRK.
27	1	10061	ECCENTRIC, STROKE - FEED
	1	SS142038	SCREW, SET#14-20x3/8
	1	SS142038CP	SCREW,SET-CONE PT.#14-20x3/8
28	1	15016	GEAR, DRIVE - PUMP
29	1	SS832316CP	SCREW,SET #8-32x3/16 CONE PT.
	1	SS832316	SCREW,SET #8-32x3/16
30	1	15043	COLLAR, LOCK-MAIN SHAFT
	1	SC142858	SCREW,SOC.HD CAP#14-28x5/8
31	1	15032	"O" RING
32	1	P4024	BEARING THRUST
33	1	15041	BUSHING,MAIN SHAFT-DRIVE END
34	1	10094	GASKET, MAIN SHAFT SEAL
35	1	10035	ASSEMBLY, SEAL-MAIN SHAFT
36	1	10038	HUB, PULLEY
	2	SS142038	SCREW, SET#14-20x3/8
37	1	10199	PULLEY, ADJUSTABLE
	2	SS142038	SCREW, SET#14-20x3/8
38	3	F103258	SCREW, FLAT HD#10-32x5/8
39	4	SC103212	SCREW, SOC.HD CAP#10-32x1/2



LOOPER ASSEMBLY

ITEM	QUAN.	PART NO.	DESCRIPTION
1	1	10060	LOOPER (TWO THREAD)
2	1	P540916	SCREW, PAN HD.#5-40X9/16
3	1	WF5	WASHER #5
4	1	WF10	WASHER, FLAT #10
5	1	10159 10059	HOLDER, LOOPER
6	1	H103234	SCREW,HEX #10-32x3/4 GRADE 5
7	2	H103212	SCREW,HEX HD#10-32x1/2
8	1	10076	ASSEMBLY,SEAL- LOOPER SHAFT
9	1	T3192	KEY
10	1	10055	SHAFT, LOOPER
11	1	10056	BUSHING, SHAFT - LOOPER
12	1	10173	ASS'Y, PIVOT - LOOPER
	2	15066	THRUST WASHER
	1	15065	CLAMP
	1	15039	PIN, PIVOT - LOOPER
	1	10153	KNUCKLE, PIVOT - LOOPER
	1	H103258	SCREW,HEX HD#10-32x5/8
13	1	SS1032516	SCREW, SET #10-32x5/16
	1	WF10	WASHER, FLAT #10
14	1	10150	ASS'Y CAM - LOOPER
	1	SS103258CPL	SCREW,SET-CONE PT.#10-32x5/8
	1	SS103212L	SCREW,SET#10-32x1/2-NYLOC



OIL PUMP ASSEMBLY

ITEM	QUAN.	PART NO.	DESCRIPTION
1	2	SC103234	SCREW, SOC. CAP #10-32x3/4
2	4	H103212	SCREW, HEX HD #10-32x1/2
3	1	15015	MOUNT PUMP
4	1	10084	RING "O"
5	1	15003	ASSEMBLY GEAR-PUMP
6	1	15059	FITTING, PIPE STRAIGHT
7	1	15050	OIL LINE, SUPPLY
8	1	15093	OIL LINE, PRESSURE
9	2	15092	FITTING, COMPRESSION ELBOW
10	1	15088	TUBING, COPPER
11	1	A1882	BUSHING, NEOPRENE