

REECE[®]

Series

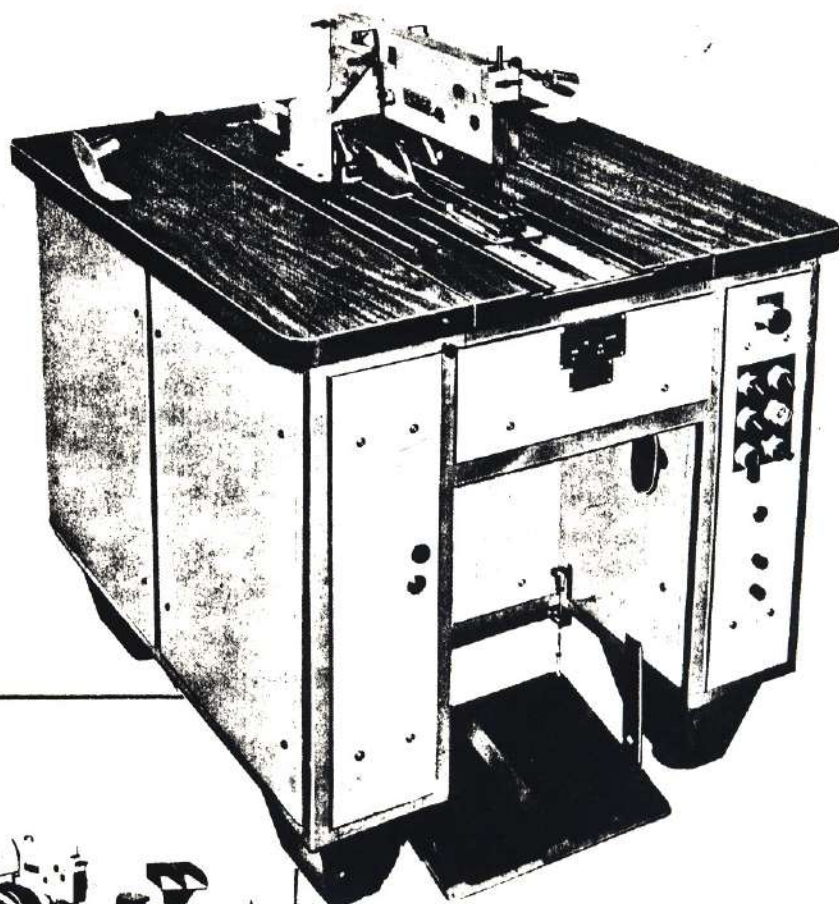
42

WELTING MACHINE

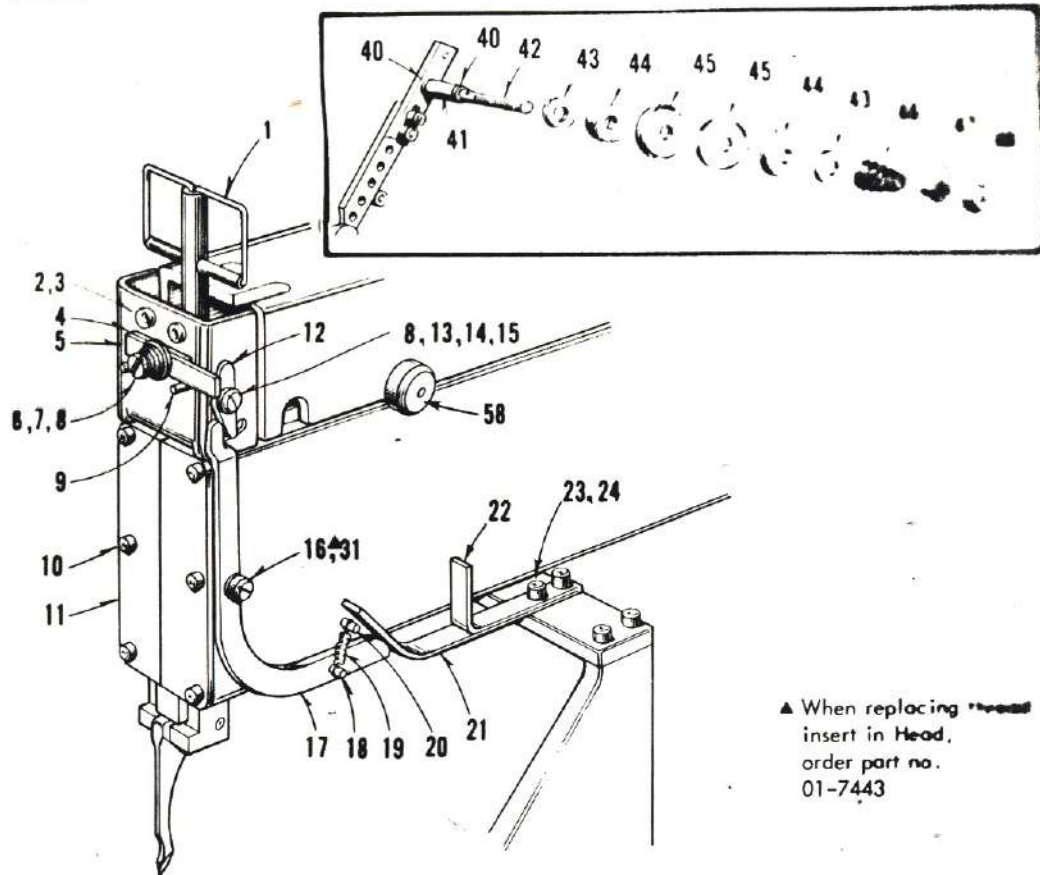
**SERVICE
MANUAL**

Form No. 42-9
1.5M/ 9/79
Printed in U.S.A

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" "



THREAD TENSIONS & CONTROLS

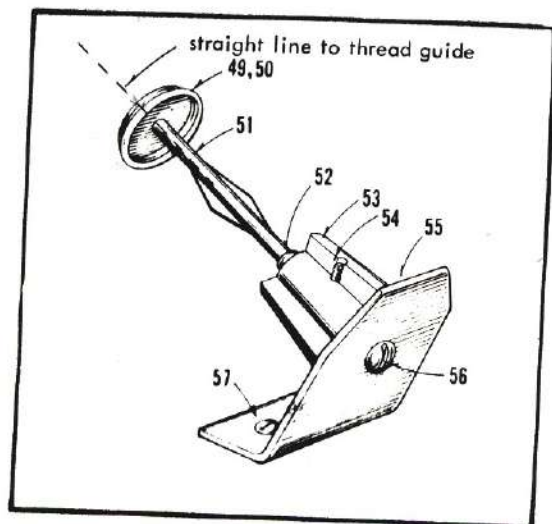
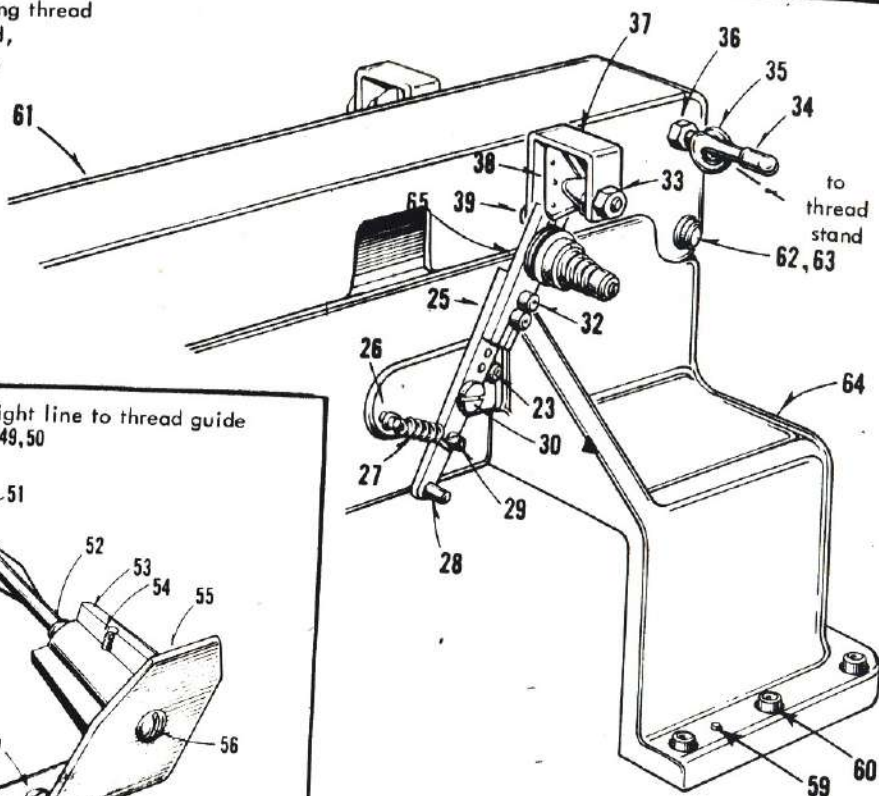


▲ When replacing ~~Head~~
insert in Head,
order part no.
01-7443

	PART NUMBER	DESCRIPTION
1	42-0031	Thread Take-up
2	01-7447	Porcelain Guide
3	01-6551	Retaining Ring
4	40-0035	Spacer Plate
5	42-0035	Plate
6	01-1475	Screw
7	01-5511	Spring
8	01-3016	Nut
9	01-6663	Pin
10	01-2401	Screw
11	30-0033	Front Cover
12	42-0511	Lever
13	01-1420	Screw
14	01-4452	Washer

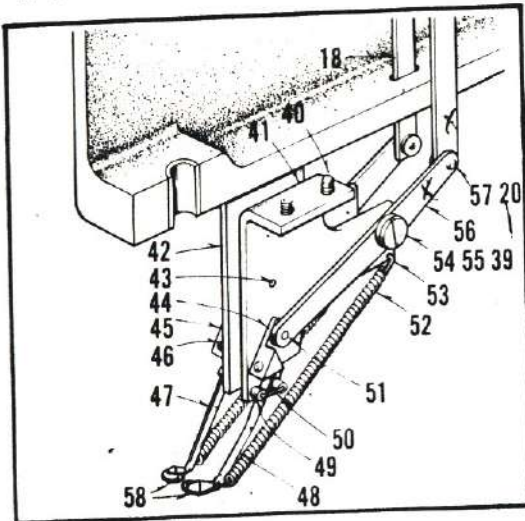
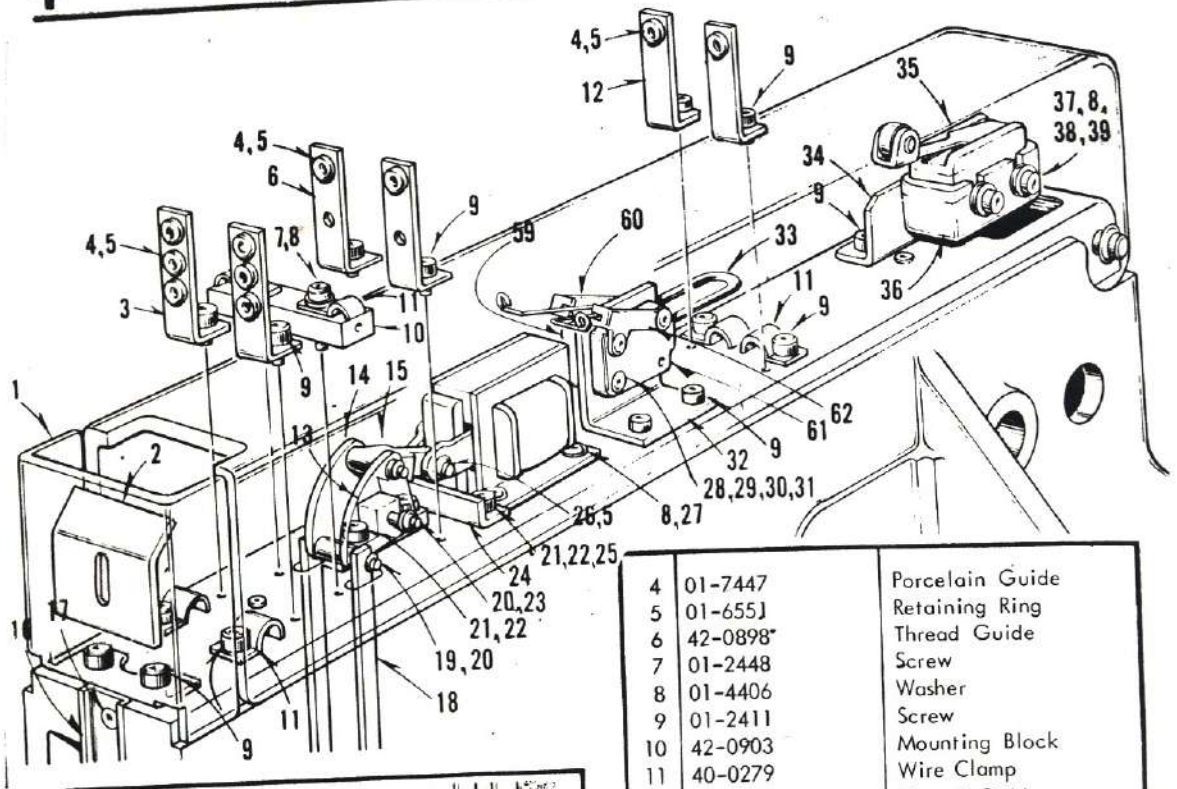
15	01-4029	Spacer
16	01-1423	Screw
17	42-0507	Lever
18	01-6492	Pin
19	01-5426	Spring
20	01-6491	Pin
21	40-0509	Actuator
22	41-0034-0-001	Actuator, Right
	41-0034-0-002	Actuator, Left
23	01-2411	Screw
24	01-4411	Washer
25	30-0032	Lever
26	01-6452	Pin
27	01-5418	Spring
28	01-6430	Pin

▲ When replacing thread insert in Head, order part no. 01-7446



29	01-6453	Pin
30	01-1410	Screw
31	01-4446	Spacer
32	01-2558	Screw
33	01-3401	Nut
34	05-0360	Cap
35	30-3038-1	Thread Guide
36	01-3408	Nut
37	42-0679	Bracket
38	05-0368-0-050	Smoother Asm.
39	01-2545	Screw
40	01-6474	Retainer Ring
41	01-7448	Post
42	01-1435	Stud
43	01-4005	Washer
44	01-4424	Felt Washer
45	40-0475	Tension Disc

46	01-5001	Spring
47	20-0603	Check Collar
48	01-3036	Nut
49	10-1139	Spool Shield
50	01-2111	Screw
51	10-1140-2-850	Spool Spindle
52	04-1312	Center Core
53	04-1311	Tapered Cone
54	01-2746	Set Screw
55	04-1310	Base
56	01-2189	Screw
57	01-2538	Screw
58	42-0902	Knob
59	01-6464	Pin
60	01-2430	Screw
61	42-0843	Head Cover
62	01-6657	Shaft
63	01-6662	Retaining Ring
64	42-0004	Head
65	30-0039-1	Adjustable Block



DET.	PART NUMBER	DESCRIPTION
1	42-0036	Tension Plate
2	40-0558	Adjusting Plate
3	42-0037	Thread Guide

4	01-7447	Porcelain Guide
5	01-6551	Retaining Ring
6	42-0898*	Thread Guide
7	01-2448	Screw
8	01-4406	Washer
9	01-2411	Screw
10	42-0903	Mounting Block
11	40-0279	Wire Clamp
12	42-0897	Thread Guide
13	42-0901	Mounting Block
14	42-0899	Lever
15	42-0900	Link
16	30-0030-1	Thread Channel
17	01-2406	Screw
18	42-0619	Link
19	01-6658	Shaft
20	01-6552	Retaining Ring
21	01-2506	Screw
22	01-4412	Washer
23	01-6659	Shaft
24	42-0692	Stop
25	01-4407	Washer
26	01-6660	Shaft
27	01-2668	Screw
28	01-2794	Screw
29	01-4520	Washer
30	01-4528	Washer
31	01-3451	Nut
32	42-0896	Bracket
33	42-0262-0-136	Jumper
34	42-0955	Bracket
35	41-0257	Switch
36	70-0148	Enclosure

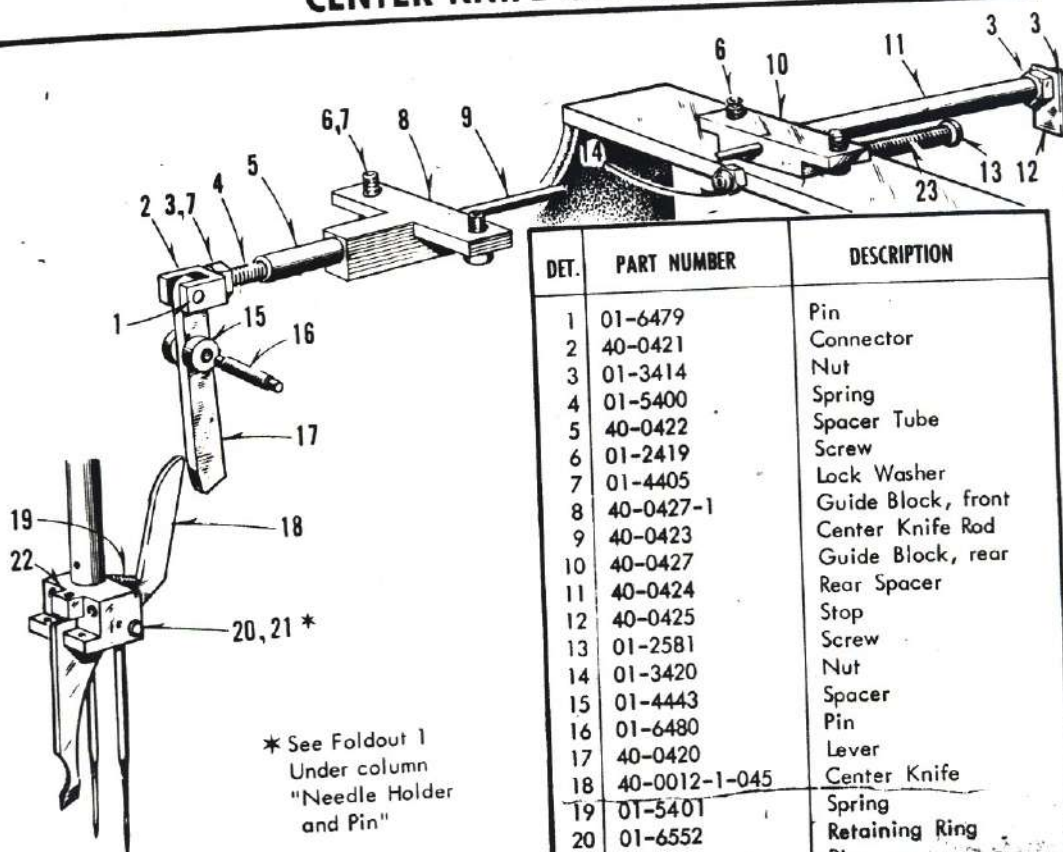
THREAD TENSIONS & CONTROLS

5

37	01-2628	Screw
38	01-4411	Washer
39	01-3401	Nut
40	01-2419	Screw
41	40-0418-1-001	Bracket, right
	40-0418-1-051	Bracket Asm., right
42	40-0418-1-002	Bracket, left
	40-0418-1-052	Bracket Asm., left
43	01-6480	Pin
44	40-0428-0-002	Holder, left
45	40-0428-0-001	Holder, right
46	01-2561	Screw
47	40-0436-1-052	Thread Pickup Asm., left

48	40-0436-1-051	Thread Pickup Asm., right
49	01-6569	Roll Pin
50	40-0760-1	Retainer Pin
51	01-6566	Pin
52	01-5455	Spring
53	40-0759	Hook
54	01-1440	Screw
55	01-4487	Spacer
56	40-0618	Link
57	01-6567	Pin
58	40-0437	Sleeve
59	04-0320-1-052	Switch
60	40-0811-2-002	Leaf Damper, left
61	04-0320-1-051	Switch
62	40-0811-2-001	Leaf Damper, right

CENTER KNIFE CUTTING



* See Foldout 1
Under column
"Needle Holder
and Pin"

DET.	PART NUMBER	DESCRIPTION
1	01-6479	Pin
2	40-0421	Connector
3	01-3414	Nut
4	01-5400	Spring
5	40-0422	Spacer Tube
6	01-2419	Screw
7	01-4405	Lock Washer
8	40-0427-1	Guide Block, front
9	40-0423	Center Knife Rod
10	40-0427	Guide Block, rear
11	40-0424	Rear Spacer
12	40-0425	Stop
13	01-2581	Screw
14	01-3420	Nut
15	01-4443	Spacer
16	01-6480	Pin
17	40-0420	Lever
18	40-0012-1-045	Center Knife
19	01-5401	Spring
20	01-6552	Retaining Ring
21	*	Pin
22	01-2591	Set Screw
23	01-5454	Spring

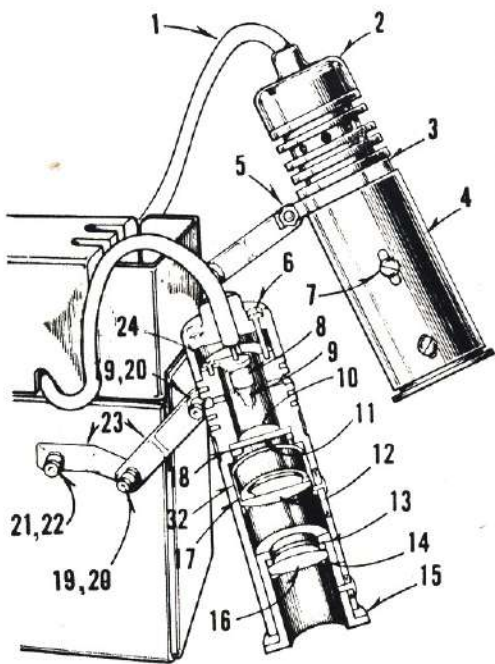
WORK LOCATING & DRILL HOLE LANTERNS

WORK LOCATING LANTERN ASSEMBLY

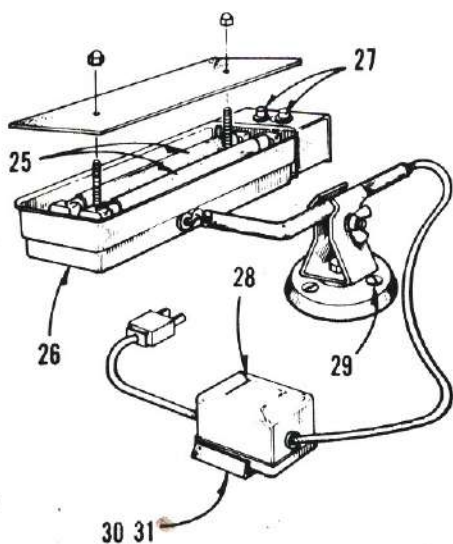
CROSS SLOT

11

40-0834-0-054: for projecting cross slots

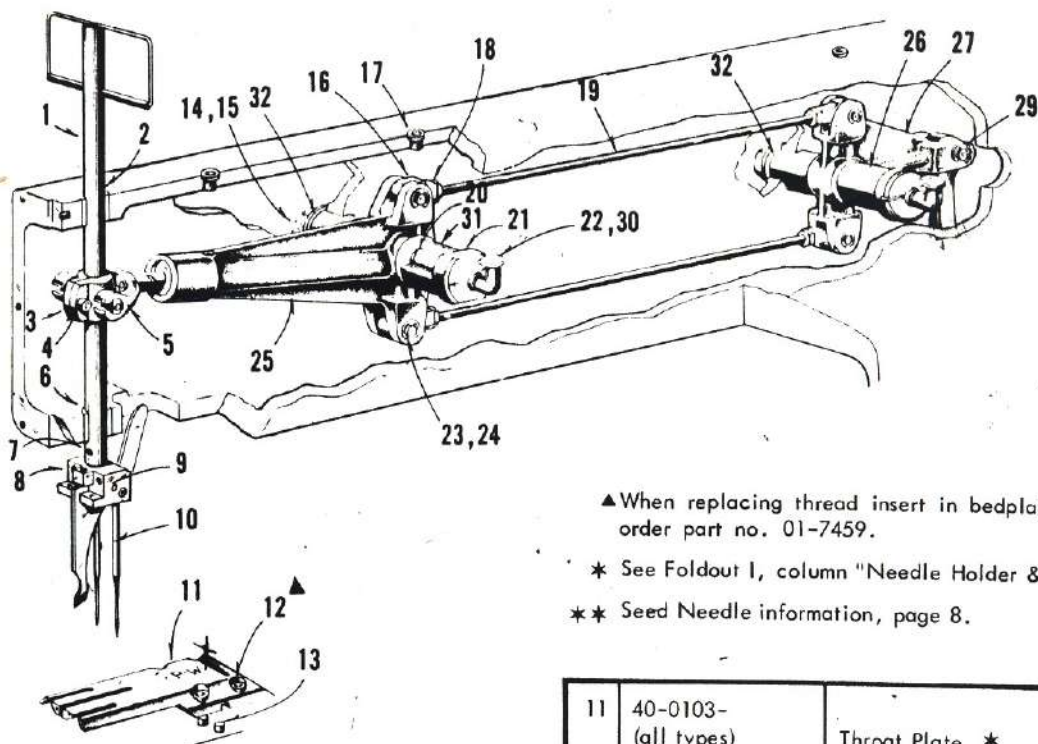


DRILL HOLE LANTERNS



DET.	PART NUMBER	DESCRIPTION
1	40-0478-0-008	Sleeving, 18" ●
2	40-0781	End Cap
3	40-0791	Brace
4	40-0780	Lantern Body
5	01-3401	Nut
6	01-2653	Screw
7	01-2481	Screw
8	40-0789-0-050	Lamp Holder Asm.
9	40-0788	Lamp (G.E. 253)
10	40-0782-1	Glass Disc
11	40-0834-0-004	Reticle, Cross Slot (4S)
12	40-0786-1	Lens
13	01-4507	"O" Ring
14	01-6628	Retaining Ring
15	40-0787	Carrier
16	40-0803-1	Lens
17	01-6629	Retaining Ring
18	01-6621	Retaining Ring
19	01-2531	Screw
20	01-4489	Lock Washer
21	01-2425	Screw
22	01-4003	Lock Washer
23	40-0790-1	Bracket
24	01-2518	Screw
25	05-0381	Lamp
26	05-0450	Lantern
27	05-0096	Switch
28	05-0383-0-110	Ballast
29	01-2444	Screw
30	01-2858	Screw
31	01-4411	Washer
32	40-0785	Carrier

● Available in multiples of one foot.



▲ When replacing thread insert in bedplate, order part no. 01-7459.

* See Foldout I, column "Needle Holder & Pin"

** Seed Needle information, page 8.

DET.	PART NUMBER	DESCRIPTION
1	42-0025-0-050	Needle Bar Asm.
2	01-7410	Bushing
3	30-0008	Gimbals
4	01-2402	Screw
5	30-0009	Yoke
6	01-7442	Bushing
7	01-2515	Set Screw
8	40-0005- (all types)	Needle Holder *
	41-0005- (all types)	
9	01-2561	Set Screw
10	02-0950- (all types)	Needles **

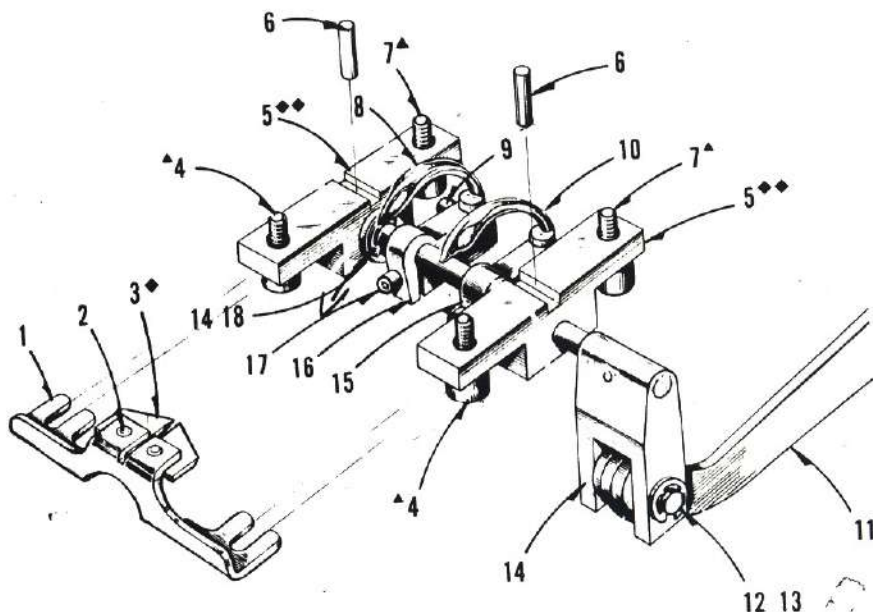
11	40-0103- (all types)	Throat Plate *
	41-0103- (all types)	" " *
12	01-2484	Screw
13	01-6543	Pin
14	01-3400	Nut
15	01-4439	Waher
16	40-0466	Rod Connector
17	40-0593	Oil Inlet
18	01-3016	Nut
19	40-0467	Rod
20	01-8401	Key
21	40-0566	Front Shaft
22	30-0011	Oil Cup
23	01-6407	Pin
24	01-6454	Retaining Ring
25	40-0050	Front Lever
26	40-0010	Rear Shaft
27	40-0465	Rear Lever
28	01-6504	Pin
29	01-6475	Retaining Ring
30	01-6551	Plastic Ring
31	40-0567	Eccentric Bushing
32	30-0007	Bushing

Needles for the Reece Series 42 Welting Machine are packaged in boxes of 100, in the sizes and types listed. These needles are of superior struck groove construction, and chromium plated. When ordering, specify quantity and needle part number. The last group in part number indicates needle size.

PART NUMBER	SIZE	CHARACTERISTICS	APPLICATIONS
02-0950-0-100 02-0950-0-110 02-0950-0-111 02-0950-0-112	Very fine (00) Fine (0) Medium (1) Heavy (2)	Sharp point Sharp point (spotted) " "	Standard for the majority of fibers and materials of average weight and texture, including knit goods.
02-0951-0-110 02-0951-0-111	Fine (0) Medium (1)	Sharp point, Ball eye (spotted) "	Applicable to closely woven fabrics or sewing over heavy seams, particularly in cottons. The ball eye produces a hole slightly larger than the needle blade diameter. This results in less needle heat than with needles of uniform diameter.
02-0952-0-100 02-0952-0-110 02-0952-0-111	Very fine (00) Fine (0) Medium (1)	Ball point Ball point (spotted) "	Use on synthetic fabrics, particularly if tightly woven or tightly knitted where the fibers of the material are subject to damage by the conventional sharp pointed needle.
02-0953-0-110 02-0953-0-111	Fine (0) Medium (1)	Sharp point, double groove (spotted) "	Applicable to materials that tend to trap needle thread as it descends into work, thereby disturbing thread take-up or causing thread breakage at needle eye. NOTE: Use double groove needles only when conditions warrant, as loop cast is smaller and may introduce skipping. Set looper points extremely close to needle blade.
02-0955-0-110 02-0955-0-111	Fine (0) Medium (1)	Wedge point, Ball eye (spotted) "	Applicable to leather and similar materials where conventional sharp pointed needles tend to leave excessive punctures. The slit made by the wedge point tends to close after penetration. This needle cuts at right angles to line of stitching, permitting higher stitch density where desirable. The ball eye tends to reduce needle heat.
02-0956-0-110 02-0956-0-111	Fine (0) Medium (1)	Wedge point, ball eye, double groove (spotted) "	Same application as type 955 needles, except double groove is desirable on thick leather and similar materials that tend to close on blade and trap needle thread as it descends into work. Refer to NOTE above on 953 needle application.
02-0958-0-110 02-0958-0-111	Fine (0) Medium (1)	Spear point, ball eye, double groove (spotted) "	Applicable to closely woven or heavily starched fabrics, leather, and similar materials that offer considerable resistance to needle penetration. The ball eye tends to reduce needle heating. Double groove minimizes tendency of material to trap the needle thread during descent into work, but the loopers must be set extremely close to needles to avoid skipping.

LOOPERS & THREAD TRIMMER

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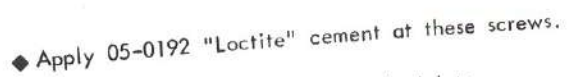
◆ "Snap" Knife in two when used on the 7/8" model.

◆◆ Mated parts supplied in matched pairs. Do not separate. Order (2) 40-0059.

▲ When replacing thread insert in bedplate, order part no. 01-7452

DET.	PART NUMBER	DESCRIPTION
1	41-0061 41-0061-0-100	Knife Bracket Knife Bracket (for 7/8" models)
2	01-2424	Screw
3	40-0062 41-0062	Knife (3/8" to 1/2") " (5/8" to 7/8")
4	01-2407	Screw
5	40-0059	Support
6	01-6543	Pin
7	01-2469	Screw
8	40-0058	Looper, left

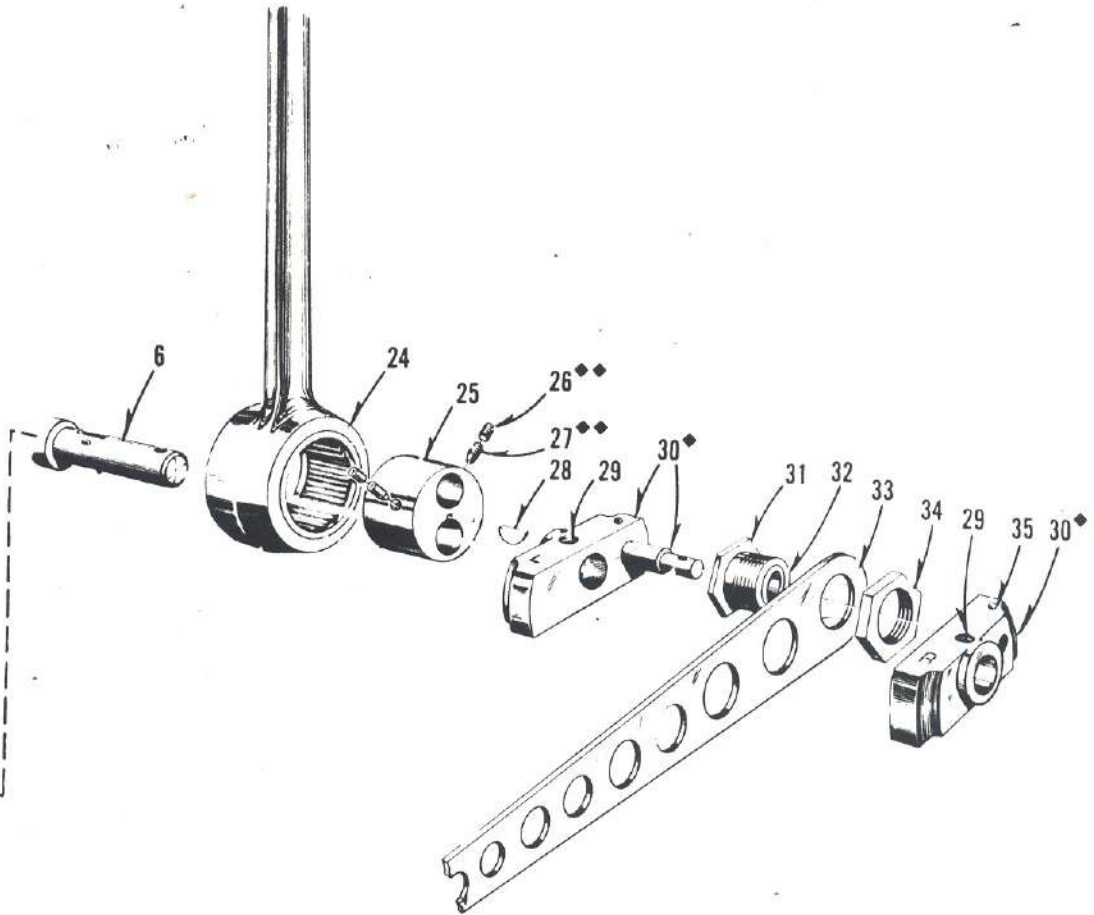
9	01-2561	Screw
10	40-0057	Looper, right
11	40-0154-0-050	Looper Arm Asm.
12	01-6407	Pin
13	01-6454	Retaining Ring
14	41-0063-0-050	Looper Drive Asm.
15	30-0064-0-001	Looper Holder, right
16	30-0064-0-002	Looper Holder, left
17	01-2431	Screw
18	01-4402	Washer



▲ When replacing thread insert in bedplate,
order part no. 01-7431

▲▲When replacing thread insert in bedplate, -
order part no. 01-7430

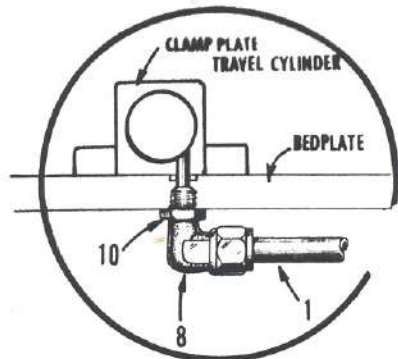
9	01-2427	Screw
10	30-0141-0-050	Clutch Sheave Assem.
11	01-7411	Bearing
12	30-0142	Driving Drum
13	30-0146	Ring
14	01-5441	Spring
15	30-0143-1	Clutch Release Dog
16	01-4011	Washer
17	30-0145-1	Driven Drum
18	30-0144-1	Clutch Dog Stop
19	01-2447	Screw
20	01-4003	Lock Washer
21	01-7430	Heli-Coil
22	01-6419	Pin
23	01-7408	Bearing



◆ Furnished only as an assembly.

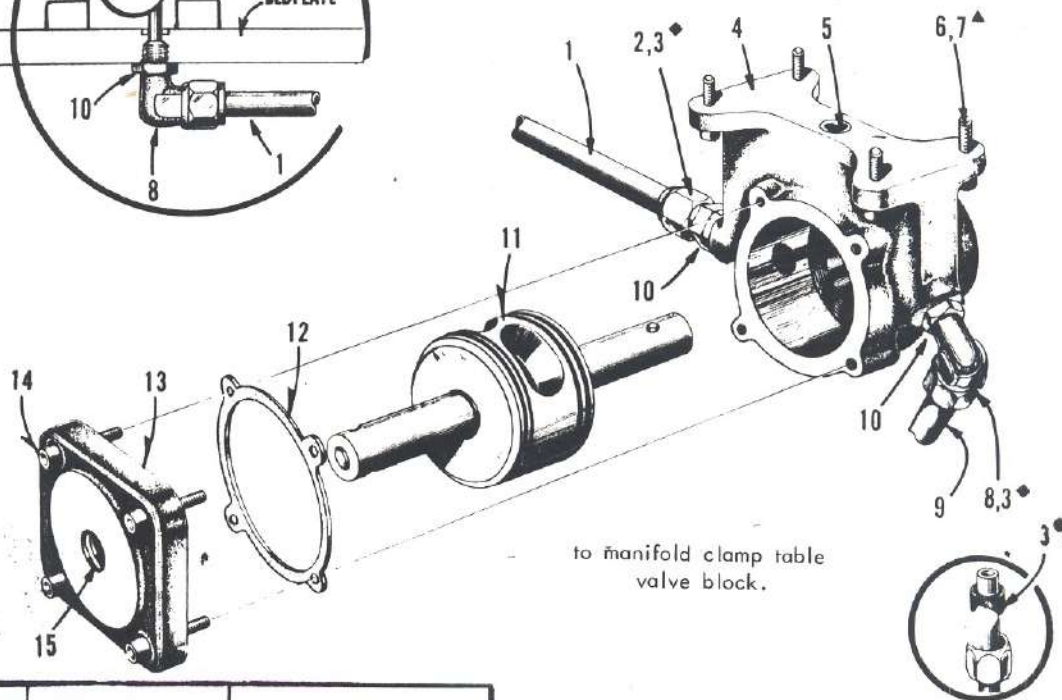
◆◆ Apply 05-0192 "Loctite" cement at the screws.

24	40-0151-0-050	Connecting Rod
25	30-0149	Eccentric
26	01-2408	Set Screw
27	01-2453	Set Screw
28	01-8400	Key
29	01-6464	Roll Pin
30	40-0155-1-050	Crank Assembly
31	40-0445	Bearing Sleeve
32	01-7413	Bearing
33	40-0154-0-050	Looper Arm Asm.
34	40-0444	Retaining Nut
35	01-6703	Roll Pin
		(replacement part of 40-0155-0-050)
36	30-0133	Center Support



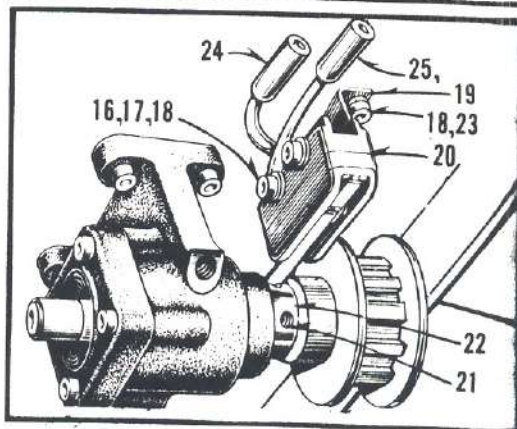
◆ Rubber Sleeve (3) is included with fittings (2) and (8). It may also be ordered as a replacement part.

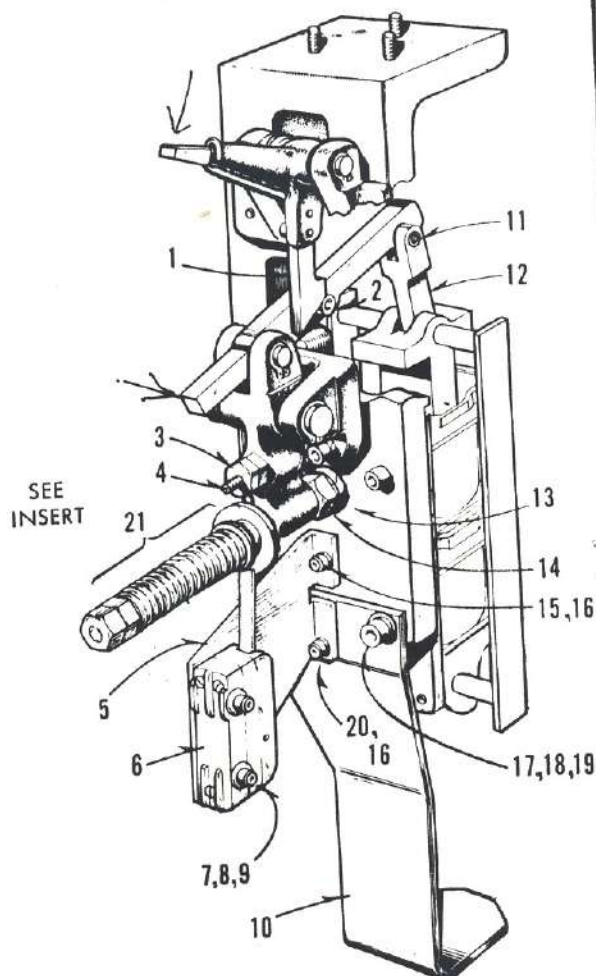
▲ When replacing thread insert in Bedplate, Order part no. 01-7430



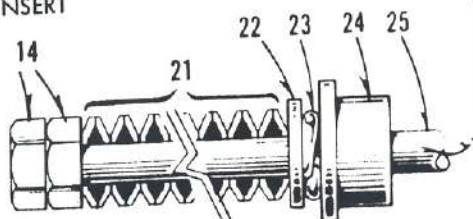
DET.	PART NUMBER	DESCRIPTION
1	40-0513	Tube
2	30-0310	Straight Fitting
3	30-0226	Rubber Sleeve
4	40-0182-1	Valve Case
5	01-4480	"O" Ring
6	01-2425	Screw
7	01-7430	Thread Insert
8	30-0218	Elbow Fitting
9	40-0512	Tube
10	01-3424	Nut
11	40-0184	Rotor
12	30-0181	Gasket
13	30-0180-1	Cover
14	01-2447	Screw
15	01-4485	"O" Ring
16	01-2433	Screw
17	01-3401	Nut
18	01-4411	Washer
19	40-0455	Bracket
20	30-0265	Timing Switch

21	01-2456	Screw
22	30-0291	Eccentric
23	01-2411	Screw
24	05-0373	Jack, Yellow
25	05-0372	Jack, Orange





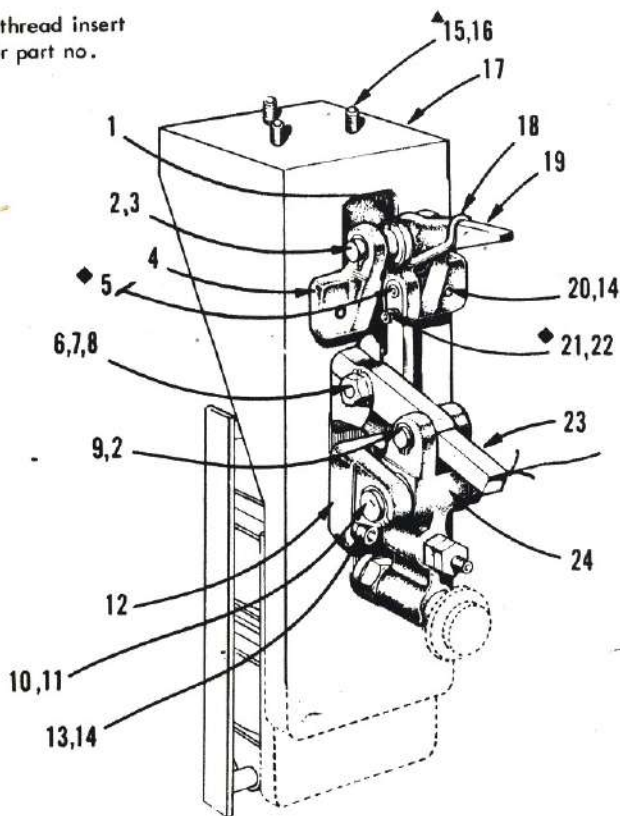
INSERT



While installing set of 36 spring washers, alternate washers as shown.

DET.	PART NUMBER	DESCRIPTION
1	30-0174	Lever
2	01-2412	Screw
3	01-3404	Nut
4	01-2434	Screw
5	40-0695	Bracket
6	30-0265	Switch
7	01-2433	Screw
8	01-4411	Washer
9	01-3401	Nut
10	40-0610	Bracket
11	01-6456	Roll Pin
12	30-0175	Link
13	01-4422	Lock Washer
14	01-3406	Nut
15	01-2413	Screw
16	01-4406	Lock Washer
17	01-2437	Screw
18	01-4003	Lock Washer
19	01-4404	Washer
20	01-2411	Screw
21	42-0989-0-050	Set of 36 - (01-5521) Spring Washer
22	01-4491	Spacer
23	01-5458	Spring
24	01-4490	Actuator
25	01-1443	Stud

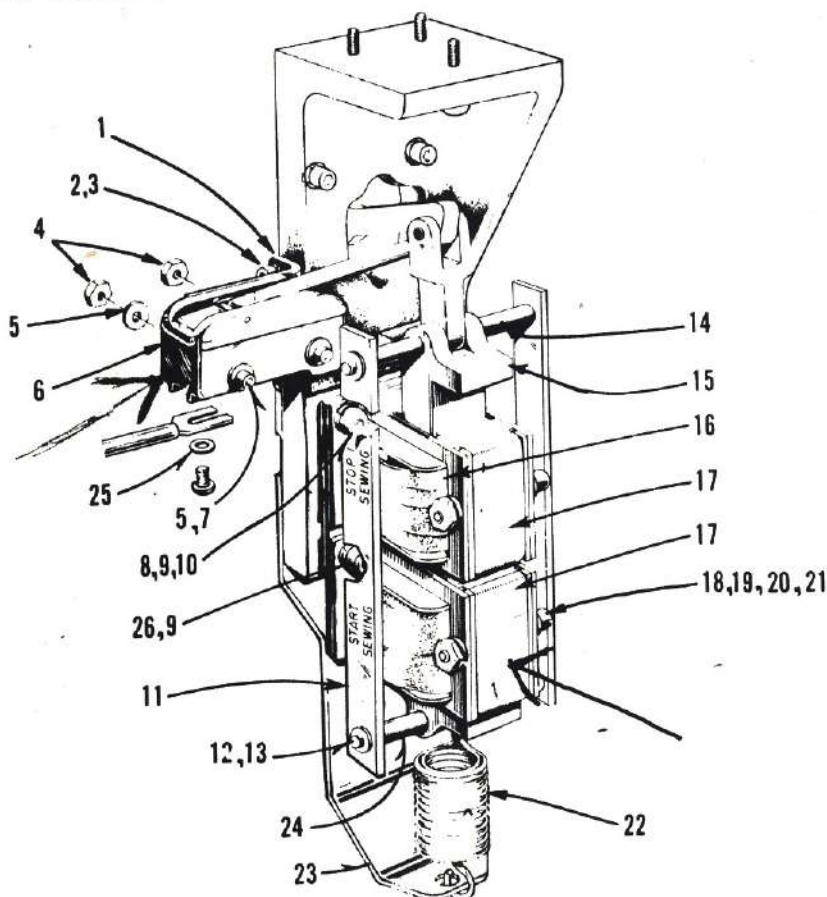
▲When replacing thread insert
in Bedplate order part no.
01-7431.



◆Apply 05-0192
"Loctite" cement
at these screws.

DET	PART NUMBER	DESCRIPTION
1	01-4410	Spacer
2	01-6423	Truarc
3	01-6431	Pin
4	30-0162	Bracket
5	01-2415	Screw
6	01-3402	Nut
7	01-4407	Washer
8	01-2412	Screw
9	01-6432	Pin
10	01-6434	Pin
11	01-6433	Truarc
12	30-0163	Bracket

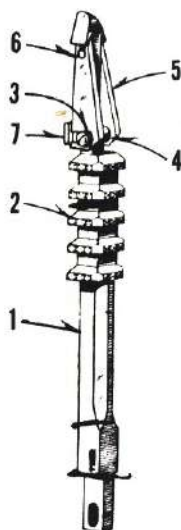
13	01-2447	Screw
14	01-4003	Lock Washer
15	01-2449	Screw
16	01-4409	Lock Washer
17	40-0161	Bracket
18	01-5409	Spring
19	30-0160	Dog
20	01-2437	Screw
21	01-2402	Screw
22	01-4405	Lock Washer
23	30-0168	Clutch Dog
24	30-0169	Arm



DET.	PART NUMBER	DESCRIPTION
1	40-0454	Bracket
2	01-2411	Screw
3	01-4406	Lock Washer
4	01-3401	Nut
5	01-4411	Washer
6	30-0265	Switch
7	01-2433	Screw
8	01-3404	Nut -->
9	01-4003	Lock Washer
10	01-2446	Screw
11	30-0409-1	Link
12	01-6551	Retaining Ring
13	01-6589	Pin
14	01-4510	Spacer

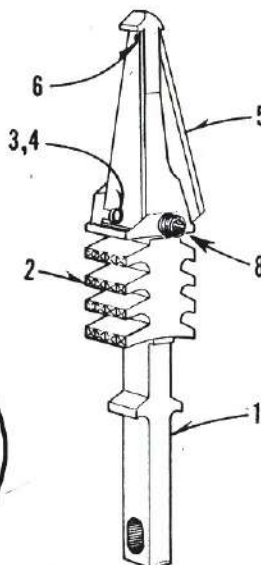
15	30-0280	Solenoid Unit (60 hz)
	30-0280-0-001	Solenoid Unit (50 hz)
16	30-0390	Replacement Coil (60 hz)
	30-0390-0-001	Replacement Coil (50 hz)
17	31-0390	Single Solenoid (60 hz)
	31-0390-0-001	Single Solenoid (50 hz)
18	01-2542	Screw
19	01-4407	Lock Washer
20	01-3402	Nut
21	01-4018	Lock Washer
22	01-5453	Spring
23	40-0610	Bracket
24	01-4459	Spacer
25	01-4473	Lock Washer (3 used at this Switch only)
26	01-2602	Screw

Used on 3/8", 7/16", & 1/2" models.



7 - 40-0797 - Tab Knife Stop

Used on 5/8", 3/4" & 7/8" models

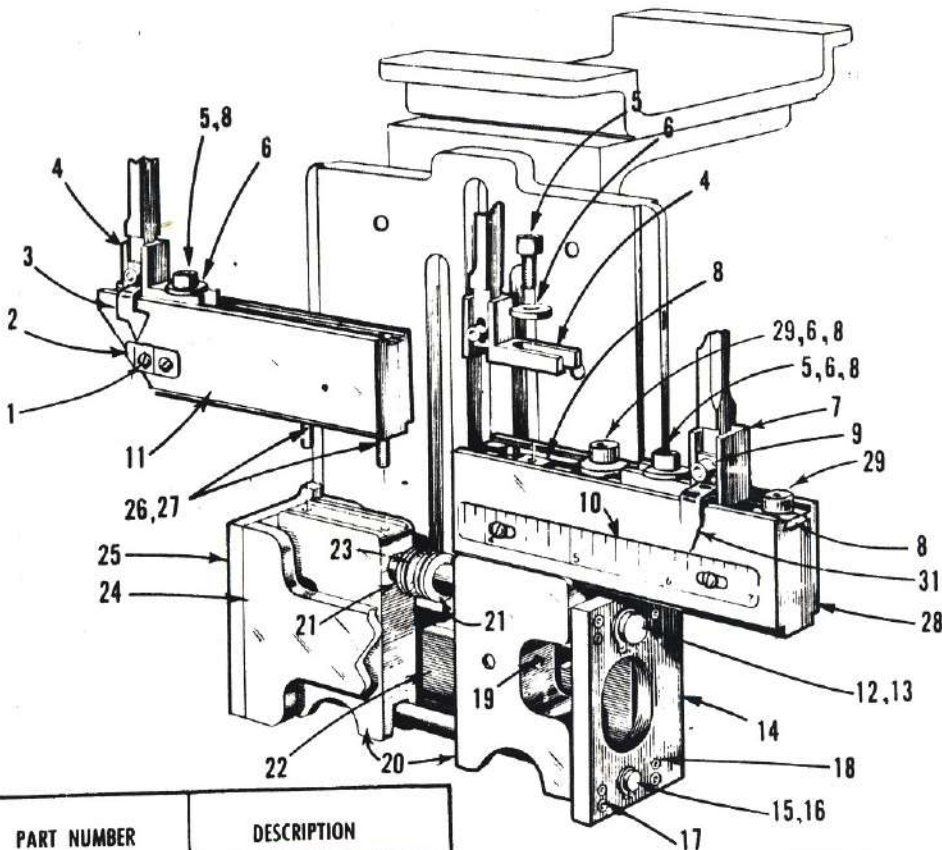


8 - 01-5481

Spring

MODELS	ASSEMBLY NUMBER	FINGER (1)	KNURL (2)	SCREW (3)	SPACER (4)	TAB KNIFE (5)	PIN (6)
3/8", 7/16"	40-0125-1-050	40-0125-1-219	40-0126-1-406	01-2424	01-4015	40-0127	01-6519
1/2"	40-0125-1-052	"	40-0126-1-406	01-2518	01-7434	"	"
	40-0125-1-053 ♦	"	40-0126-1-468 (smooth)	01-2518	01-7434	"	"
5/8"	41-0125-0-050	41-0125-0-625	41-0126-0-625	01-2424	01-4015	41-0127	01-6616
3/4"	41-0125-0-051	41-0125-0-750	41-0126-0-750	"	"	"	"
7/8"	41-0125-0-052	41-0125-0-875	41-0126-0-875	"	"	"	"

♦ Used when tab cutting, but no turning is desired. (I.e., Knits & Leather).

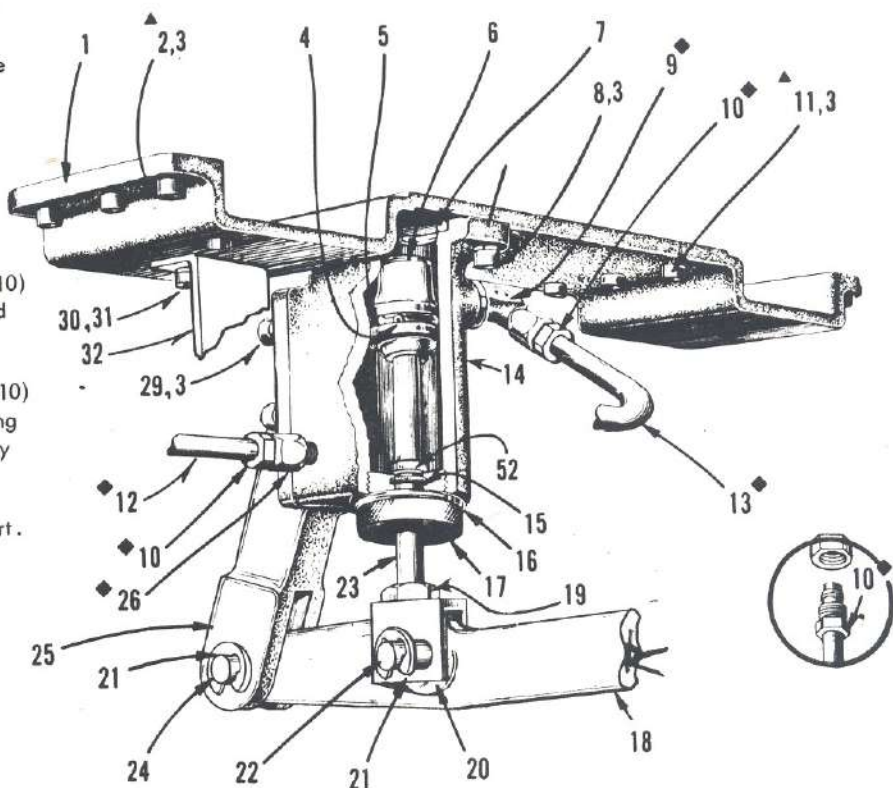


DET.	PART NUMBER	DESCRIPTION
1	01-2481	Screw
2	42-0389	Gauge
3	42-0387	Pointer
4	30-0115	Finger Shoe, front
5	01-2423	Screw
6	01-4002	Washer
7	30-0114	Finger Shoe, back
8	30-0386	Slide
9	01-2413	Screw
10	40-0388-0-000	Scale (4" - 7")
	40-0388-0-017	" (10cm-18cm)
	40-0388-0-070	" (4" - 8")
	40-0388-0-071	" (10cm-20cm)
	41-0388-0-000	" (4" - 7")
	41-0388-0-017	" (10cm-19cm)
	41-0388-0-070	" (4" - 7-1/2")
	41-0388-0-071	" (10cm-20cm)
11	42-0438	Finger Shoe Gib
12	30-0112	Upper Shaft
13	01-6422	Retaining Ring
14	40-0116	Guide Plate, back

15	30-0118	Lower Shaft
16	01-6423	Retaining Ring
17	01-2419	Screw
18	01-2557	Screw
19	01-2420	Set Screw
20	40-0117	Sliding Block
21	10-1077	Felt Washer
22	40-0113	Inner Plate
23	10-1006	Felt Washer
24	30-0113	Outer Plate
25	40-0111	Guide Plate, front
26	01-2435	Screw
27	01-4003	Lock Washer
28	40-0438	Finger Shoe Gib
	40-0438-0-070	Finger Shoe Gib (for 7-1/2" machines)
29	01-2602	Screw
30	40-0387	Pointer (3/8" to 1/2")
	41-0387	Pointer (5/8" to 7/8")

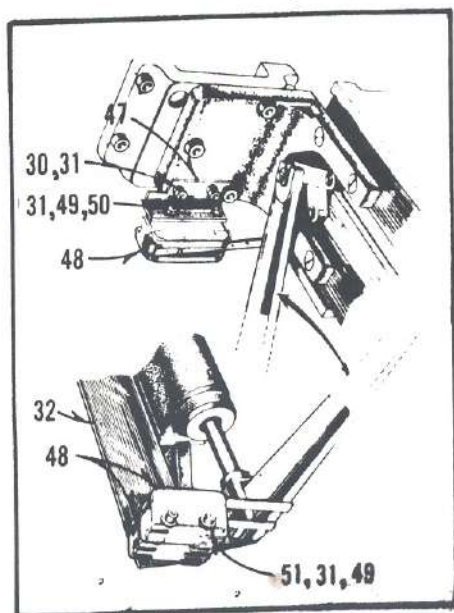
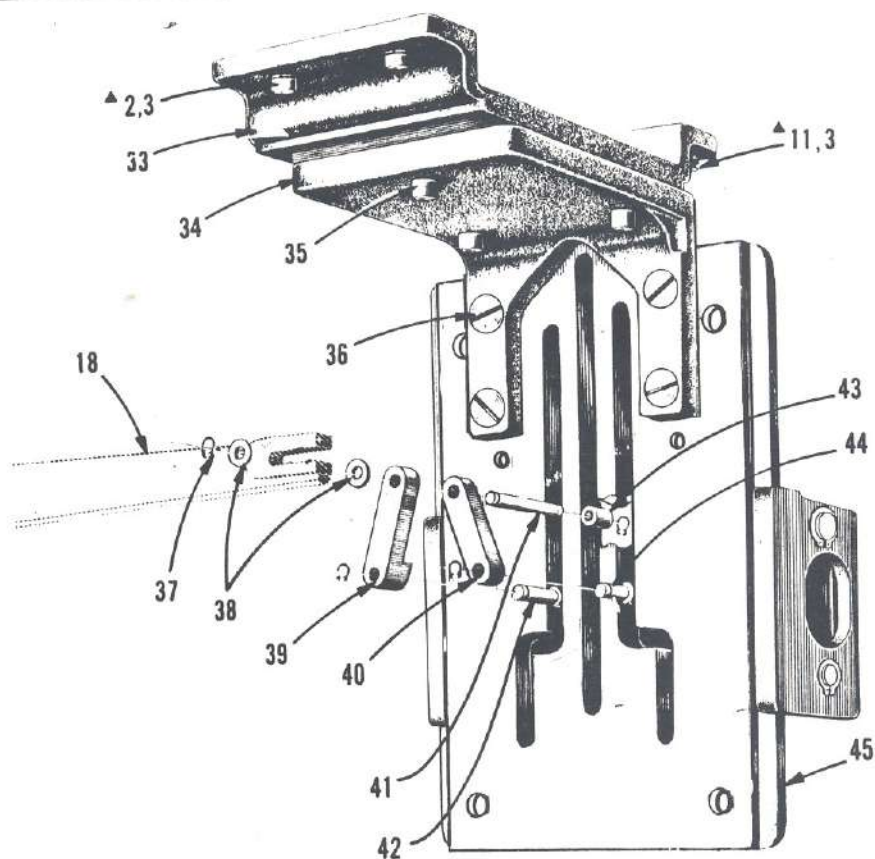
▲ When steel insert in Bedplate is damaged, replace with part no. 01-7452

◆ Nut & Ferrule (10) must be replaced when changing tubes (12 & 13) Nut & Ferrule (10) are part of fitting (9 & 26) but may also be ordered separately as a replacement part.



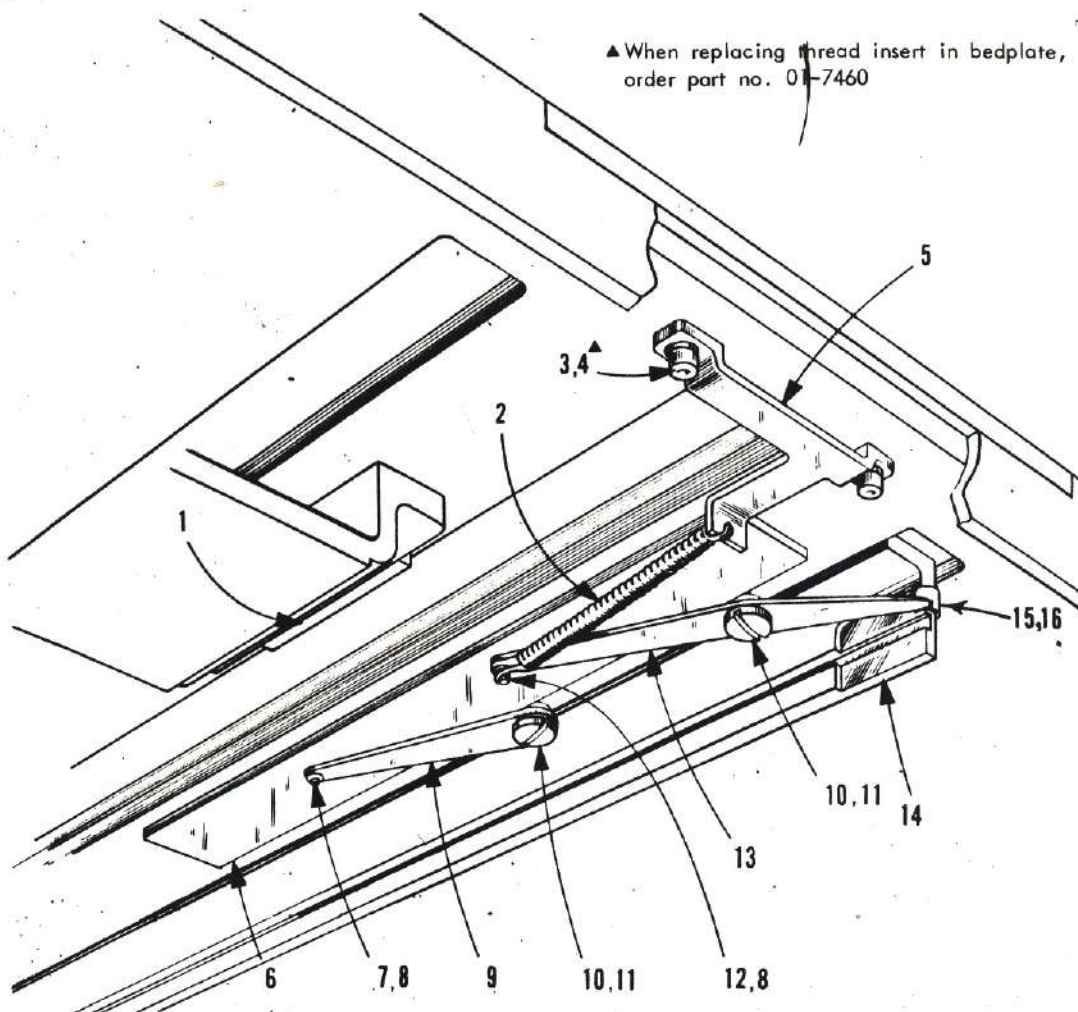
DET.	PART NUMBER	DESCRIPTION
1	41-0450	Bracket
2	01-2425	Screw
3	01-4003	Lock Washer
4	01-6564	Roll Pin
5	01-4451	"O" Ring
6	41-0474-1	Piston
7	01-4438	"O" Ring
8	01-2404	Screw
9	40-0218-1	Elbow Fitting
10	40-0575-2	Nut and Ferrule
11	01-2407	Screw
12	42-0952	Copper Tube
13	42-0953	Copper Tube
14	40-0249-1	Cylinder
15	01-4480	"O" Ring
16	30-0194	Gasket

17	40-0473	Cap
18	40-0308	Folding Lever
19	01-3427	Nut
20	41-0247	Connector
21	01-6475	Retaining Ring
22	01-6503	Pin
23	41-0248	Piston Rod
24	01-6482	Pin
25	40-0309	Bracket
26	40-0310	Straight Fitting
29	01-2493	Screw
30	01-2411	Screw
31	01-4411	Washer
32	40-0457	Bracket
33	41-0449	Bracket
34	40-0119	Bracket



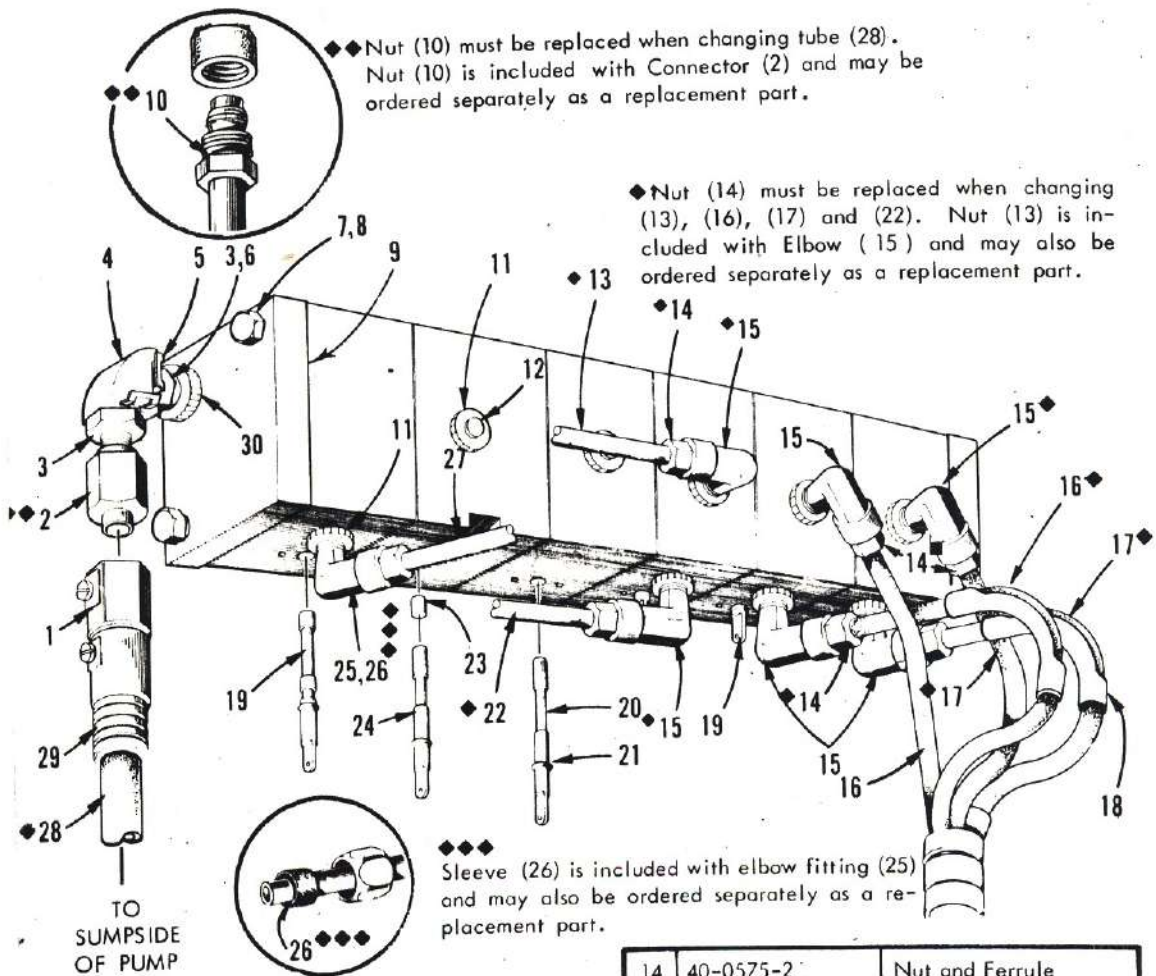
35	01-2421	Screw
36	01-2422	Screw
37	01-6406	Retaining Ring
38	01-4404	Washer
39	30-0121	Link
40	30-0122	Link
41	01-6435	Pin
42	01-6424	Pin
43	01-7407	Roller
44	01-6425	Pin
45	41-0120	Cam Plate
	41-0120-0-070	Cam Plate (for 7-1/2" models)
47	40-0461	Bracket
48	40-0533	Switch
49	01-3401	Nut
50	01-2433	Screw
51	01-2519	Screw
52	01-4497	Spacer (used on models 3/8", 7/16", and 1/2" only)

▲ When replacing thread insert in bedplate,
order part no. 01-7460



DET.	PART NUMBER	DESCRIPTION
1	40-0625	Pad
2	01-5436	Spring
3	01-2411	Screw
4	01-4406	Lock Washer
5	41-0624	Bracket
6	41-0621	Slide Plate
7	01-6539	Pin
8	01-6368	Retaining Ring
9	41-0623	Lever
10	01-2578	Screw
11	01-7454	Spacer

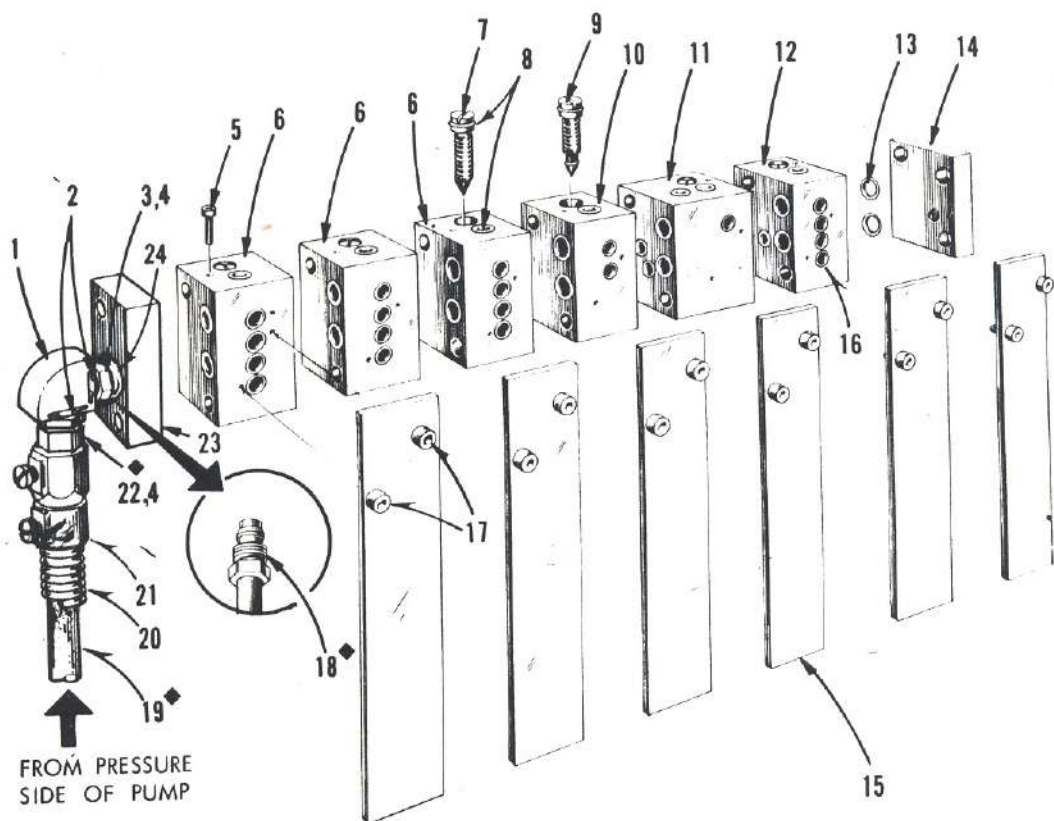
12	01-6538	Pin
13	41-0622	Lever
14	41-0451-0-001	Bracket, right
15	01-7456	Roller
16	01-6565	Pin



DET.	PART NUMBER	DESCRIPTION
1	42-0598	Coupling
2	42-0912	Connector
3	42-0914	"O" Ring
4	42-0909	Elbow
5	42-0913	Clip
6	42-0911	Connector
7	01-2540	Bolt
8	01-4409	Lock Washer
9	40-0603	Side Plate, left
10	40-0574	Nut
11	01-3424	Nut
12	01-2438	Plug
13	42-0952	Tube, copper

14	40-0575-2	Nut and Ferrule
15	40-0218-1	Elbow
16	40-0825	Tubing, 34" ●
17	40-0825	Tubing, 31" ●
18	40-0562	Tube Bending Clip
19	40-0523	Plunger
20	40-0608	Plunger
21	01-4524	Quad Ring
22	42-0953	Tube, copper
23	40-0638	Oil Check
24	40-0609	Plunger
25	30-0218	Elbow
26	30-0226	Sleeve
27	40-0512	Copper Tube
28	40-0826	Tubing, 30" ●
29	40-0594	Autoflex, 34" ●
30	01-3419	Nut

● Available only in multiples of one foot.

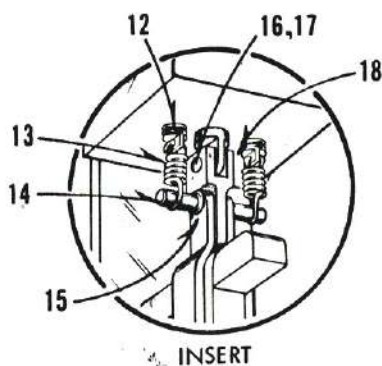
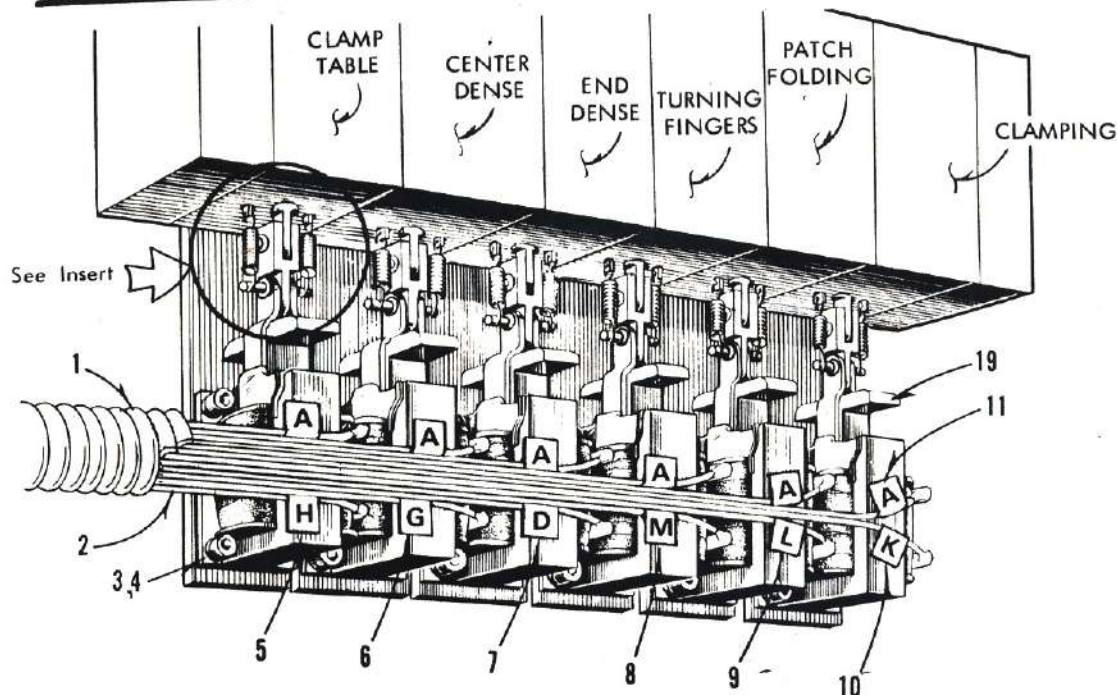


◆ Nut (18) must be replaced when changing tube (19). It is included with Connector (22) and may be ordered separately as a replacement part.

DET.	PART NUMBER	DESCRIPTION
1	42-0909	Elbow
2	42-0913	Clip
3	42-0911	Connector
4	42-0914	"O" Ring
5	01-2421	Screw
6	40-0599	Valve Block
7	40-0524	Metering Pin (5 used)
8	01-4482	"O" Ring
9	40-0607	Metering Pin
10	40-0600	Valve Block
11	40-0601	Valve Block
12	40-0602	Valve Block
13	01-4428	"O" Ring
14	40-0603	Side Plate, left
15	40-0606	Cover Plate

16	01-4426	"O" Ring
17	01-2492	Screw
18	40-0574	Nut
19	40-0826	Tubing, 27-1/2" ●
20	40-0594	Autoflex, 40-1/2" ●
21	42-0598	Coupling
22	42-0912	Connector
23	40-0604	Side Plate, right
24	01-3419	Nut

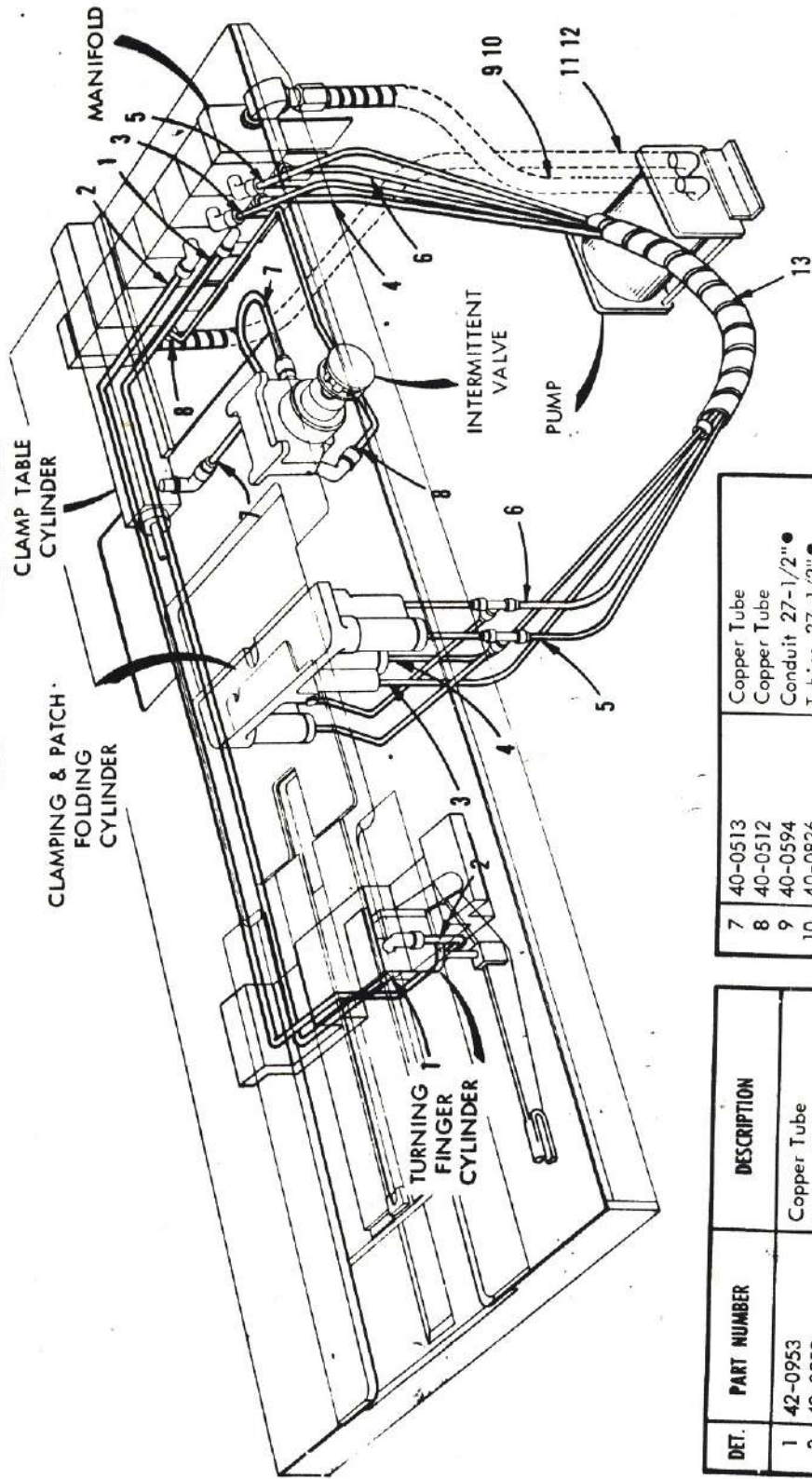
● Available only in multiples of one foot.



DET.	PART NUMBER	DESCRIPTION
1	40-0586	"Spirap" - 24"●
2	42-0262-0-116	Head Harness
3	01-2411	Screw
4	01-4406	Lock Washer
5	05-0423-0-004	Wire Tag, white (H)
6	05-0423-0-003	" " , brown (G)
7	05-0423-0-002	" " , red (D)
8	05-0423-0-007	" " , grey (M)
9	05-0423-0-006	" " , pink (L)
10	05-0423-0-005	" " , purple (K)
11	05-0423-0-001	" " , green (A)
12	01-1422	Anchor
13	01-5425	Spring
14	01-6550	Pin
15	01-6551	Retaining Ring
16	01-6549	Pin
17	01-6547	Retaining Ring
18	40-0525	Link
19	40-0506	Solenoid

● Available only in multiples of one foot.

HYDRAULIC LINES & COMPONENTS

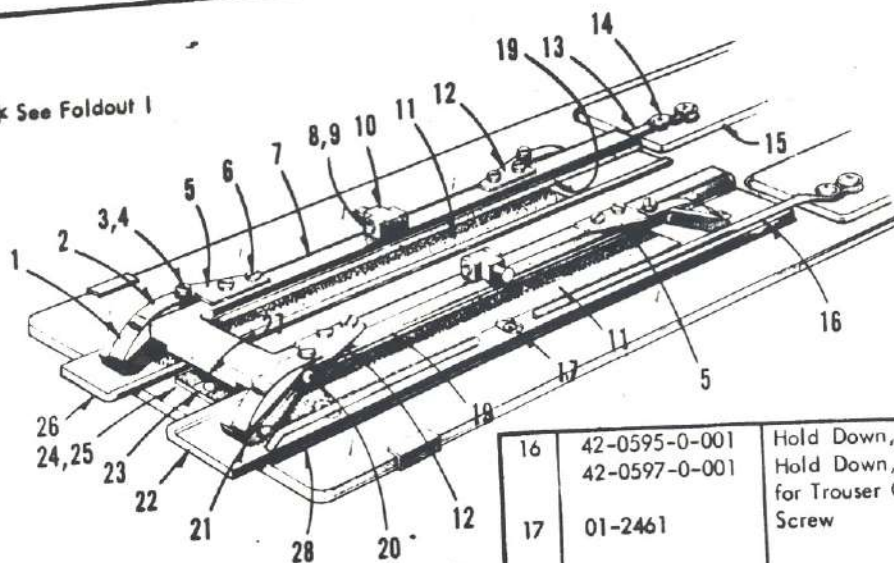


DET.	PART NUMBER	DESCRIPTION
1	42-0953	Copper Tube
2	42-0952	Copper Tube
3	40-0825	Tubing 34" •
4	40-0825	Tubing 34" •
5	40-0825	Tubing 31" •
6	40-0825	Tubing 31" •

7	40-0513	Copper Tube
8	40-0512	Copper Tube
9	40-0594	Conduit 27-1/2" •
10	40-0826	Tubing 27-1/2" •
11	40-0594	Conduit 30" •
12	40-0826	Tubing 30" •
13	40-0586	Spirap 45" •

• Available only in multiples of one foot

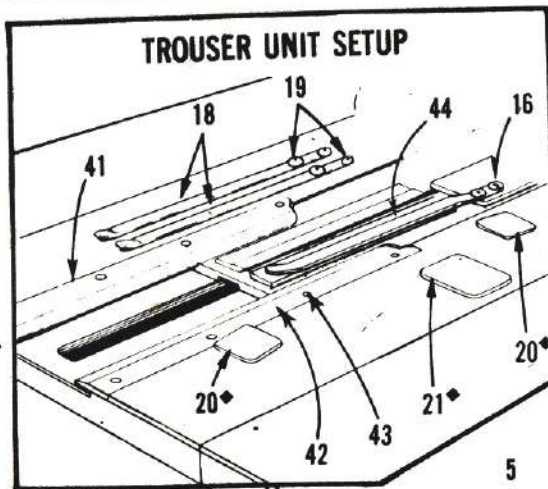
* See Foldout I



DET.	PART NUMBER	DESCRIPTION
1	01-5479	Spreader Spring
2	01-5480	Support Spring
3	01-2667	Screw
4	01-4494	Washer
5	40-0700-0-151	Foot Asm., right
6	40-0767-1-101	Spring Support, left
7	01-2597	Screw
8	40-0069-	Clamp Foot
9	(all types) *	" "
10	41-0069	" "
11	(all types) *	" "
12	01-6477	Pin
13	01-6368	Retaining Ring
14	40-0072-	Pivot Block
15	(all types) *	" "
16	41-0072-	" "
17	(all types) *	" "
18	40-0094	Plate Cover
19	(all types) *	" "
20	40-0700-0-152	Foot Asm., left
21	40-0767-1-102	Spring Support, left
22	42-0595-0-002	Hold Down, left, for
23	42-0597-0-002	Trouser Operation
24	01-2545	Screw
25	41-0680	Stiffener Plate

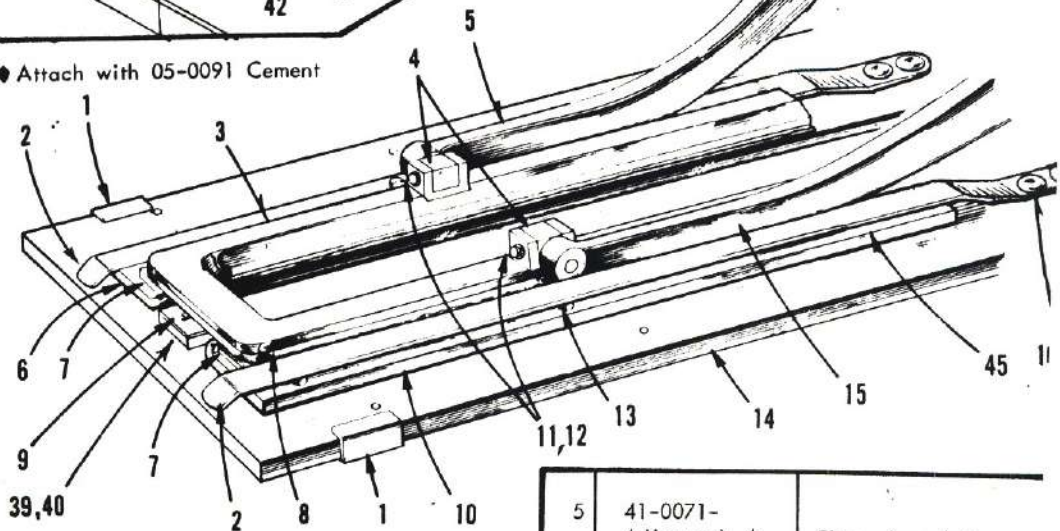
16	42-0595-0-001	Hold Down, right
17	42-0597-0-001	Hold Down, right,
18	01-2461	for Trouser Operation
19	40-0090-	Screw
20	(all types) *	" "
21	41-0090-	" "
22	(all types) *	" "
23	01-6519	Roll Pin
24	40-0700-2-100	Spreader Foot
25	40-0096-	Support Plate, right
26	(all types) *	" " "
27	41-0096-	" " "
28	(all types) *	" " "
29	01-2523	Screw
30	40-0716-0-050	Block Asm.
31		(3/8" & 7/16")
32	40-0716-0-051	Block Asm.
33		(1/2" - 7/8")
34	40-0717-0-375	Block Cover
35		(3/8" & 7/16")
36	40-0717-0-500	Block Cover
37		(1/2" - 7/8")
38	40-0096-	Support Plate, left
39	(all types) *	" " "
40	41-0096-	" " "
41	(all types) *	" " "
42	40-0766	Sponge Rubber*
43		Attach with
44		05-0091 Cement
45	40-0676	Spacer

*Available only in multiples of one foot.



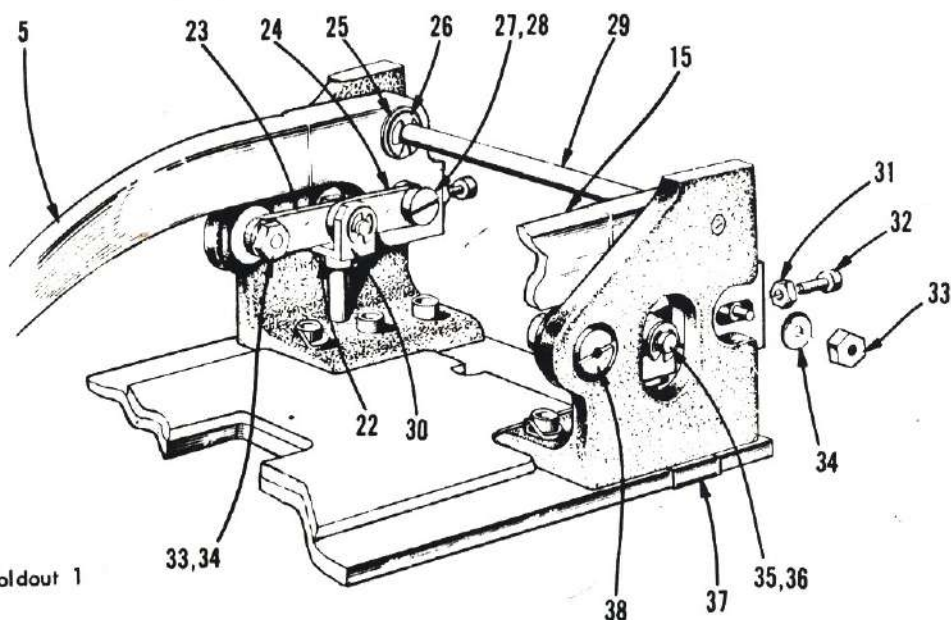
* See Foldout 1

◆ Attach with 05-0091 Cement



DET.	PART NUMBER	DESCRIPTION
1	40-0573 40-0573-1	Slide Block Slide Block, oversized
2	42-0595	Hold Down
3	40-0069- (all types) *	Clamp Foot
	41-0069- (all types) *	
4	40-0072- (all types) *	Pivot Block
	41-0072- (all types) *	" "

5	41-0071- (all types) *	Clamp Arm, left
	42-0071- (all types) *	
6	40-0096- (all types) *	Support Plate, left
	41-0096- (all types) *	
7	40-0094- (all types) *	Plate Cover
	41-0094- (all types) *	
8	40-0090- (all types) *	Sole
	41-0090- (all types) *	



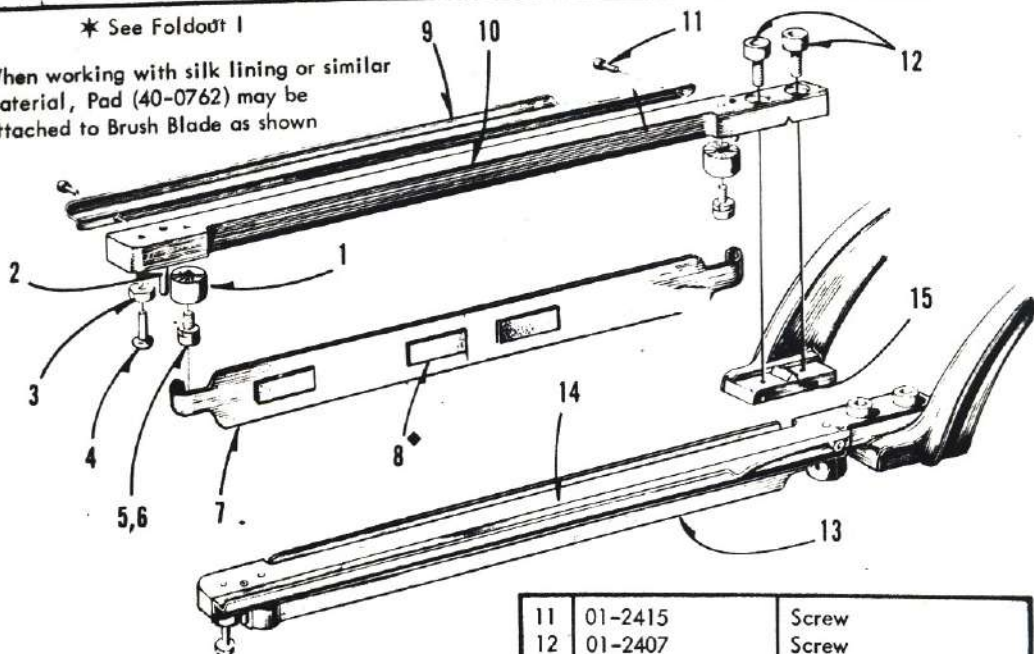
* See Foldout 1

9	01-2523	Screw
10	40-0676	Spacer
11	01-6477	Pin
12	01-6363	Retaining Ring
13	01-2461	Screw
14	41-0099	Clamp Plate
15	41-0071- (all types) *	Clamp Arm, right
	42-0071- (all types) *	" " "
16	01-2633	Screw
17	01-4489	Lock Washer
18	40-0596	Hold Down, long
19	01-2536	Screw
20	40-0613	Gauge
21	40-0614	Gauge
22	01-3415	Nut
23	40-0085	Lever
24	40-0079	Lever
25	01-4484	Spacer
26	01-6561	Retaining Ring
27	01-1419	Screw
28	01-4035	Spacer
29	41-0080	Slide Bar
30	40-0087	Link
31	01-3402	Nut

32	01-2482	Screw
33	01-3404	Nut
34	01-4441	Washer
35	01-6558	Retaining Ring
36	01-6489	Pin
37	40-0573	Slide Block
38	01-1418	Screw
39	40-0716-0-050	Block Assembly (3/8" & 7/16" models)
	40-0716-0-051	Block Assembly (1/2" - 7/8" models)
40	40-0717-0-375	Block Cover (3/8" & 7/16" models)
	40-0717-0-500	Block Cover (1/2" - 7/8" models)
41	40-0332-0-002	Slide Plate Cover, left
42	40-0332-0-001	Slide Plate Cover, right
43	01-2451	Screw
44	42-0597-0-001	Hold Down
45	40-0096- (all types) *	Support Plate, right
	41-0096- (all types) *	" " "

* See Foldout I

◆ When working with silk lining or similar material, Pad (40-0762) may be attached to Brush Blade as shown

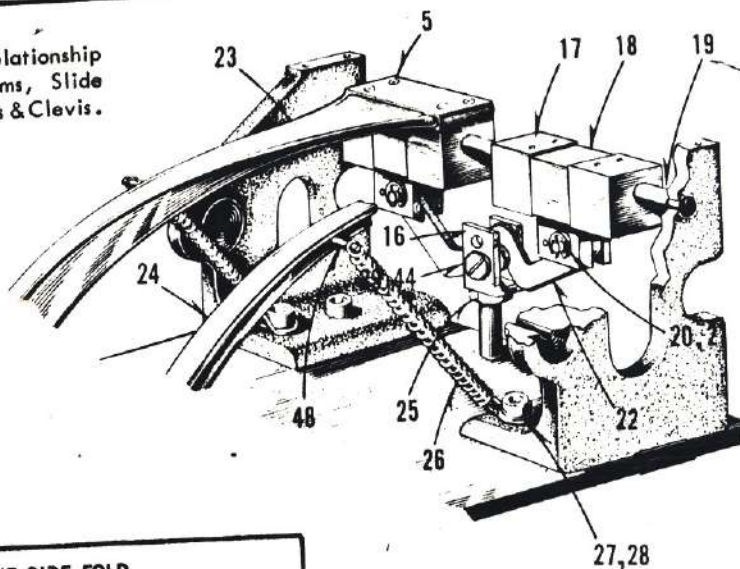


DET.	PART NUMBER	DESCRIPTION
1	40-0468	Pivot, for 3/8" - 1/2" Models
	41-0468	Pivot, for 5/8" - 7/8" Models and all Models using Automatic Patch Loaders
2	01-6521	Roll Pin
3	01-3426	Nut
4	01-2569	Screw
5	01-2413	Screw
6	01-4406	Lock Washer
7	40-0089- (all types) *	Brush Blade
	41-0089- (all types) *	" "
8	40-0762	Pad, self-adhesive ●
9	40-0470- (all types) *	Patch Locator, left
	41-0470- (all types) *	" " "
10	40-0070-0-002	Brush, left (3/8"-1/2")
	40-0070-0-072	" " " " - 7-1/2" models
	41-0070-0-002	Brush, left (5/8"-7/8")
	41-0070-0-072	" " " " - 7-1/2" models

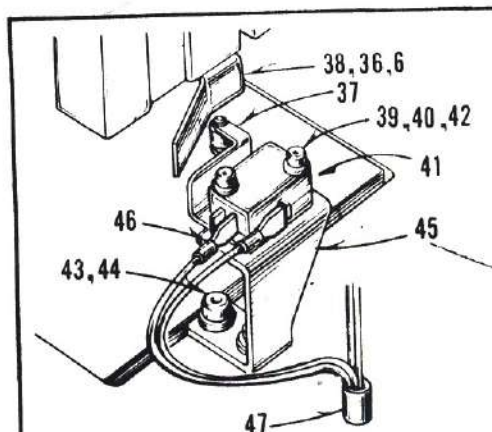
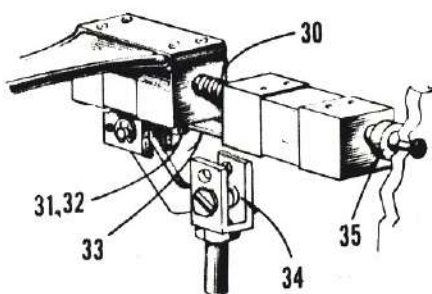
11	01-2415	Screw
12	01-2407	Screw
13	40-0470- (all types) *	Patch Locator, right
	41-0470- (all types) *	" " "
14	40-0070-0-001	Brush, right (3/8"-1/2")
	40-0070-0-071	" " " " - 7-1/2" models
	41-0070-0-001	Brush, right (5/8"-7/8")
	41-0070-0-071	" " " " - 7-1/2" models
15	40-0476	Leveling Pin
16	41-0088	Clevis
17	41-0433	Slide Block
18	41-0081	Slide Bracket
19	41-0080	Slide Bar
20	01-6483	Pin
21	01-6474	Retaining Ring
22	41-0086	Spreader Arm
23	41-0073-0-002	Brush Arm, left
	41-0073-0-072	" " " " - 7-1/2" models
24	41-0073-0-001	Brush Arm, right
	41-0073-0-071	" " " " - 7-1/2" models
25	01-3434	Nut
26	01-5419	Spring
27	01-2404	Screw
28	40-0434	Spring Anchor
29	01-2580	Screw

● Available in multiples of one foot.

* See Foldout II for Relationship of Patch Folding Arms, Slide Blocks, Slide Brackets & Clevis.



ONE SIDE FOLD

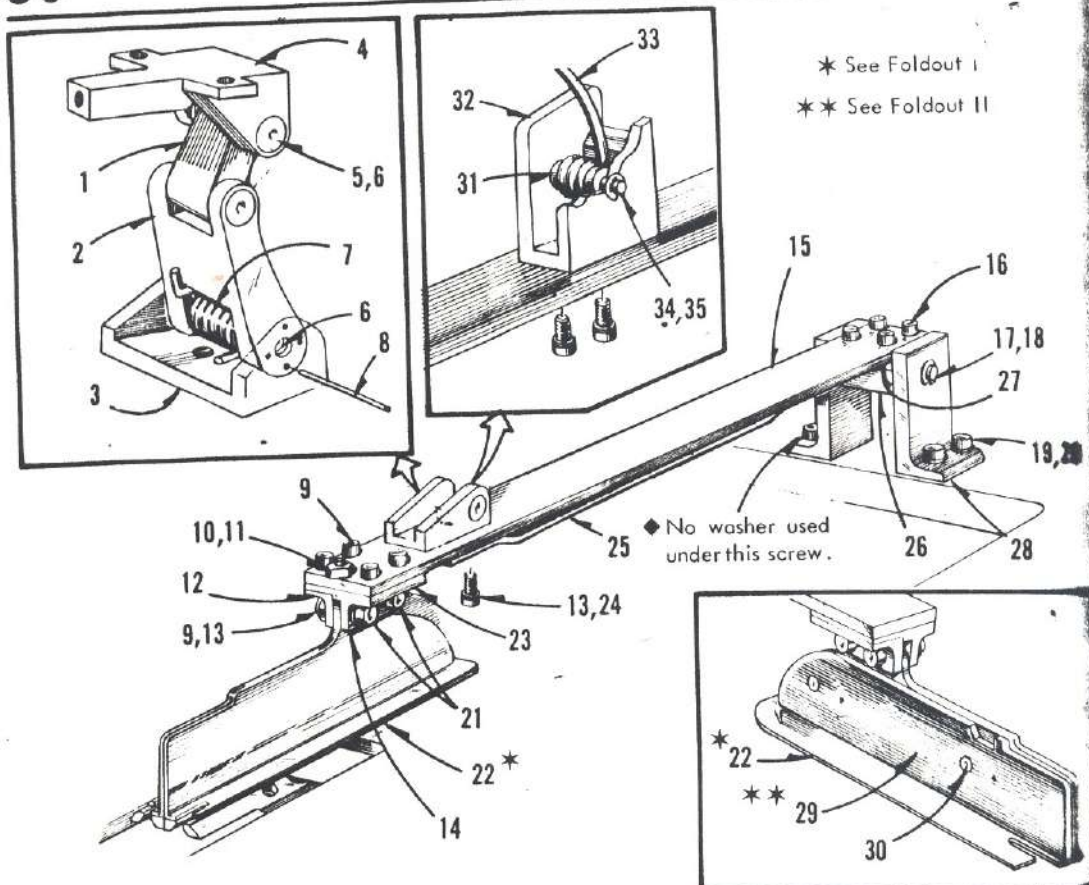


PATCH FOLDING SAFETY SWITCH

(not used on one side fold models)

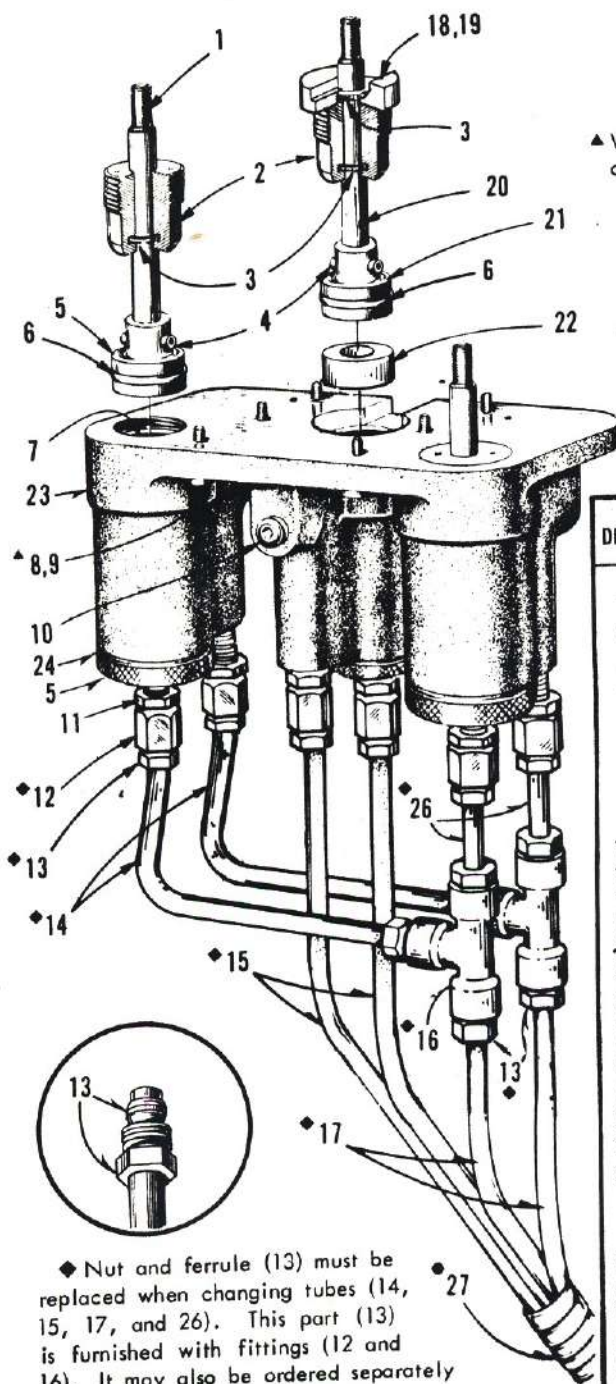
30	01-5486	Spring
31	01-2693	Screw
32	01-4411	Lock Washer
33	41-0796	Link
34	01-4533	Spacer
35	01-4534	Spacer
36	01-2413	Screw
37	04-0342-0-005	Actuator, repl. part
38	40-0809	Actuator
39	01-2748	Screw
40	01-4405	Washer
41	04-0250	Patch Folding Safety Switch
42	60-0079	Nut Plate

43	01-2425	Screw
44	01-4003	Lock Washer
45	40-0808	Bracket
46	04-0258-0-187	Wire Terminal
47	42-0262-1-116	Head Harness
48	01-6015	Pin



DET.	PART NUMBER	DESCRIPTION
1	41-0829	Link
2	41-0828	Link
3	41-0615	Bracket
4	41-0427	Guide Block, front
5	01-2713	Screw
6	01-7482	Heli-Coil
7	01-5490	Spring
8	01-6633	Pin
9	01-2411	Screw
10	01-2409	Screw
11	01-3426	Nut
12	40-0648	Nut Plate
13	01-4406	Lock Washer
14	01-4470	Spacer
15	40-0413	Patch Guide Arm
16	01-2436	Screw
17	01-6688	Pin
18	01-6454	Retaining Ring

19	01-2425	Screw
20	01-4003	Washer
21	01-2448	Screw
22	*	Patch Guide
23	40-0414-1	Patch Guide Block
24	01-2531	Screw
25	40-0708	Cam Plate
	41-0708	Cam Plate, single welt
26	40-0053	Pivot Block
27	41-0683	Spacer (5/8"-7/8" only)
28	40-0412	Bracket
29	40-0051	Spacer (3/8"-1/2")
	41-0051	Spacer (5/8"-7/8")
30	01-2472	Screw
	01-2772	Screw (for 2 spacers)
31	01-7445	Bushing
32	40-0165-1	Spring Holder
33	01-5438	Spring
34	01-6544	Pin
35	01-6368	Retaining Ring



▲ When replacing thread insert in clamp plate, order part no. 01-7419.

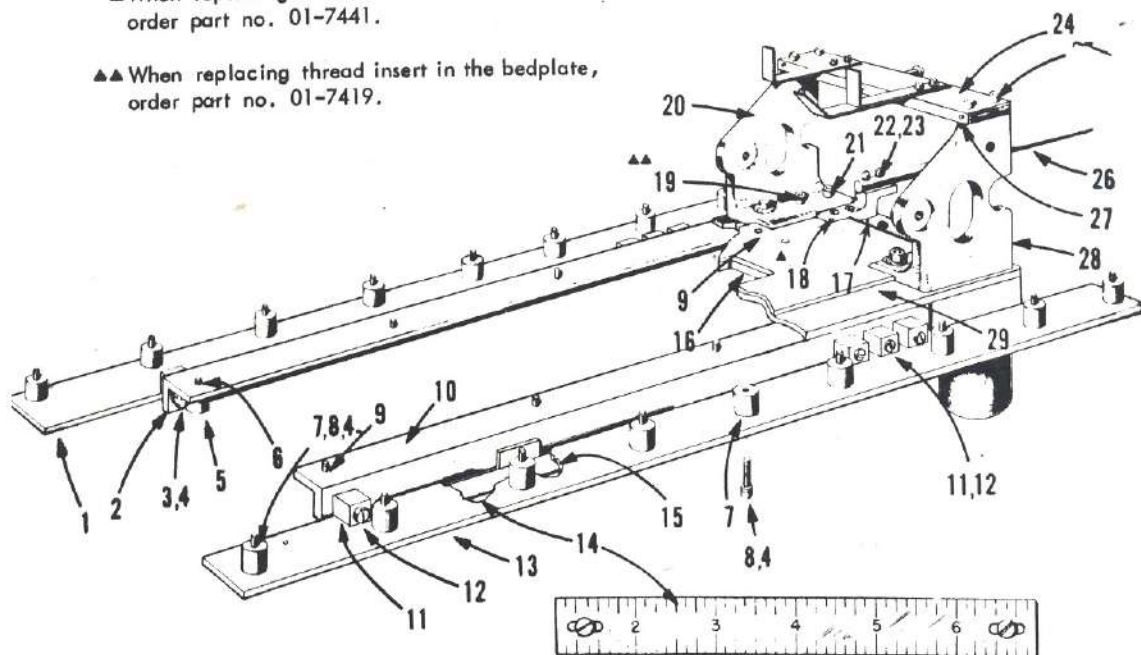
* See foldouts I and II

DET.	PART NUMBER	DESCRIPTION
1	40-0190	Piston Rod
2	40-0193	Cap
3	01-4480	"O" Ring
4	01-6470	Roll Pin
5	40-0191	Piston
6	01-4451	"O" Ring
7	01-4438	"O" Ring
8	01-2425	Screw
9	01-4003	Lock Washer
10	01-2438	Screw
11	01-3424	Lock Nut
12	40-0310-1	Nut, Ferrule & Fitting
13	40-0575-2	Nut and Ferrule
14	42-0516	Copper Tube
15	40-0825	Tubing, 34" ●
16	41-0519-2	"T" Fitting
17	40-0825	Tubing, 31" ●
18	41-0681	Cap Retainer
19	01-6555	Roll Pin
20	41-0202	Piston Rod
21	40-0203	Piston
22	01-4563 *	Spacer
	01-4573 *	"
	01-4596 *	"
23	41-0229-1	Cylinder Housing
24	30-0194	Gasket
25	40-0744	Cap
26	40-0823	Copper Tube
27	40-0586	"Spirap", 45" ●

● Available only in multiples of one foot.

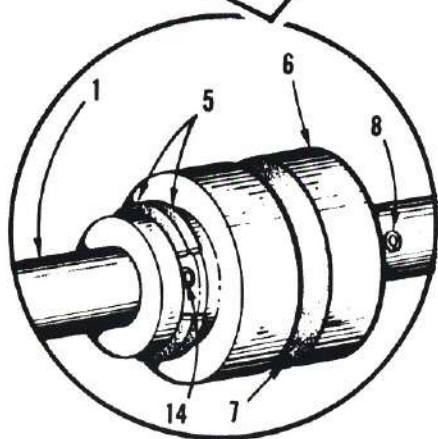
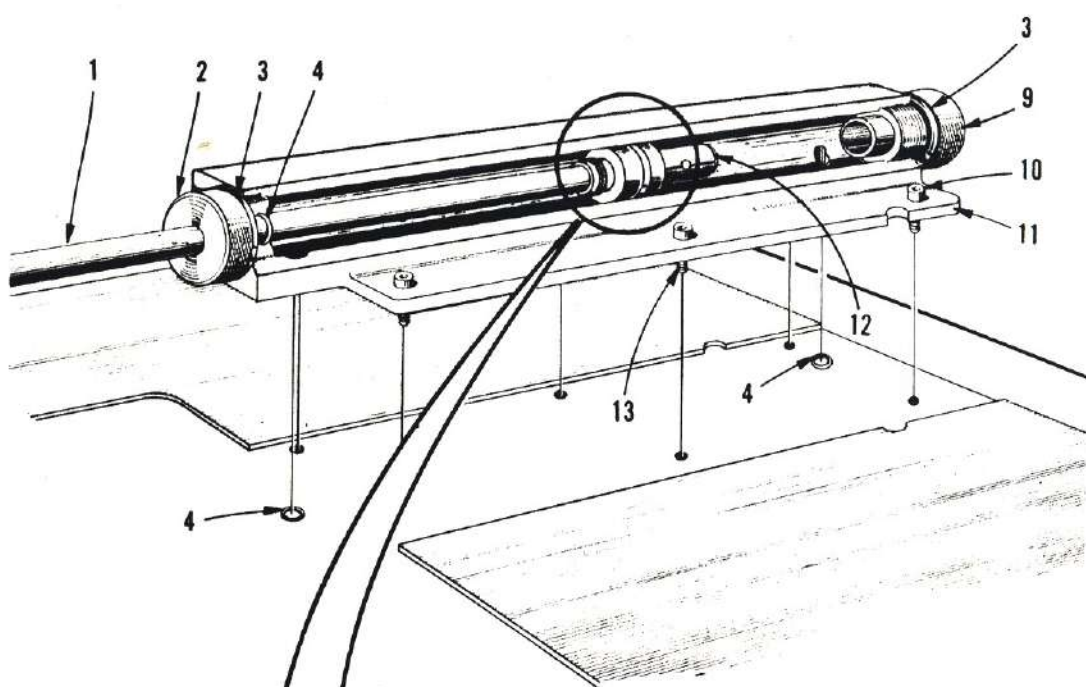
▲When replacing thread insert in clamp plate, order part no. 01-7441.

▲▲When replacing thread insert in the bedplate, order part no. 01-7419.

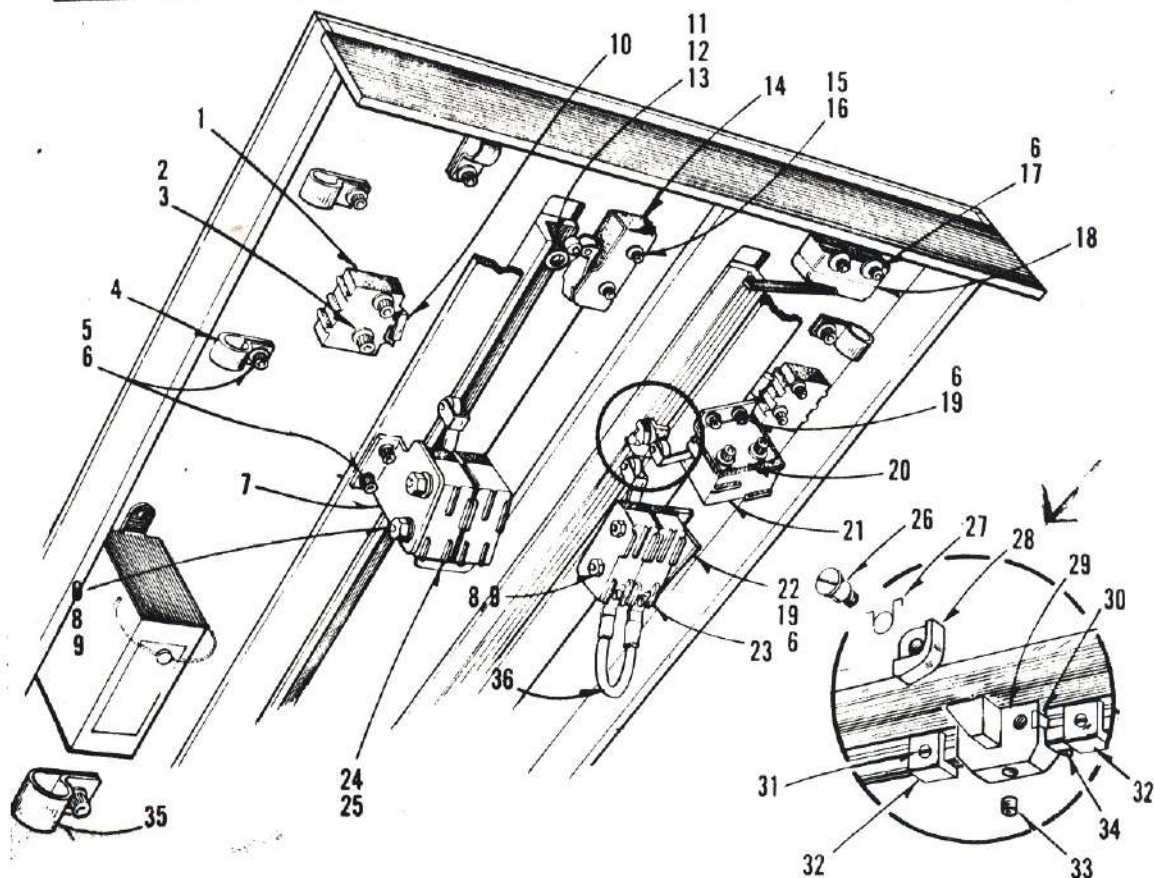


DET.	PART NUMBER	DESCRIPTION
1	41-0452-0-002	Track, left
2	41-0451-0-002	Roller Bracket, left
3	01-3404	Nut
4	01-4003	Lock Washer
5	40-0547	Actuator
6	01-2450	Screw
7	01-4442	Spacer
8	01-2490	Screw
9	01-2534	Screw
10	41-0451-0-001	Roller Bracket
11	41-0699	Slide
12	01-1444	Eccentric Screw
13	41-0452-0-001	Track, right
14	41-0540	Scale - Inches
	41-0540-0-071	Scale - Metric
	41-0540-0-070	Scale - 7-1/2"
	41-0540-0-017	Scale - Metric Extra Long

15	01-2481	Screw
16	41-0099	Clamp Table
17	41-0100	Connector
18	01-2700	Screw
19	01-2407	Screw
20	41-0076-0-002	Support Bracket, left
21	01-2447	Screw
22	01-2413	Screw
23	01-4406	Lock Washer
24	41-0075	Plate
25	01-2448	Screw
26	40-0252	Piston Rod
27	01-2591	Set Screw
28	41-0076-0-001	Support Bracket, right
29	41-0680	Stiffener Plate



DET.	PART NUMBER	DESCRIPTION
1	40-0252	Piston Rod
2	40-0473	Cap
3	30-0194	Gasket
4	01-4480	"O" Ring
5	01-4450	"O" Ring
6	40-0472-1	Piston
7	01-4451	"O" Ring
8	01-6501	Roll Pin
9	40-0453	End Cap
10	01-2421	Screw (2 used)
11	42-0253	Cylinder
12	40-0528	Sleeve
13	01-2447	Screw (4 used)
14	01-6652	Roll Pin



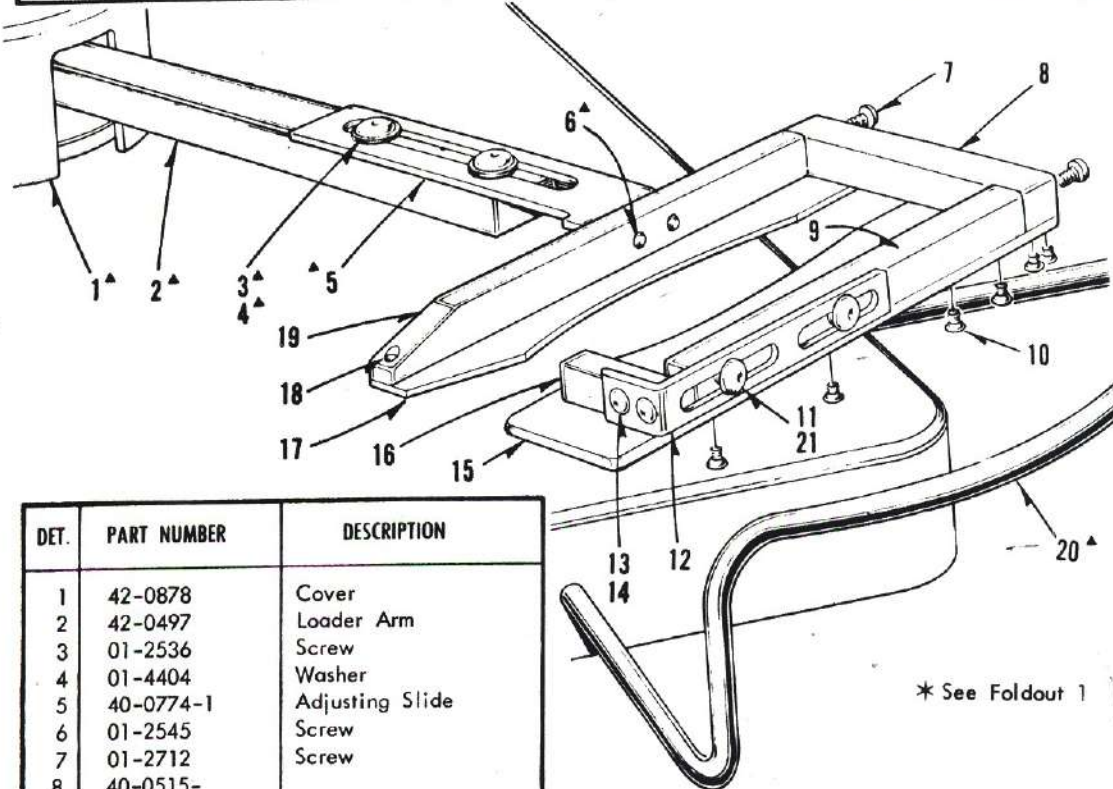
DET.	PART NUMBER	DESCRIPTION
1	04-1123	Terminal Block
2	01-4406	Washer
3	01-2604	Screw
4	04-1215	Wire Clip
5	01-2413	Screw
6	01-4411	Washer
7	40-0459-0-003	Bracket
8	01-2519	Screw
9	01-3401	Nut
10	04-1124	Fuse
11	01-4572	Washer
12	01-2450	Screw
13	40-0547	Actuator
14	40-0539	Switch
15	01-2530	Screw
16	01-4511	Washer
17	01-2433	Screw
18	40-0533	Switch

19	01-2411	Screw
20	41-0702	Bracket
	41-0702-0-070	Bracket (7-1/2" Model)
21	30-0259	Switch
22	41-0456	Bracket
	41-0456-0-070	Bracket (7-1/2" Model)
23	40-0578	Switch
24	42-0578	Switch
25	01-2481	Terminal Screw
26	01-1436	Screw
27	01-5515	Spring
28	40-0580-1	Actuator
29	41-0579	Block
30	41-0677	Retainer
31	01-2611	Screw
32	42-0715	Stop
33	01-2557	Screw
34	41-0682	Pointer
35	04-1223	Wire Clip
36	42-0262-0-130	Jumper

AUTOMATIC PATCH LOADING

35

MODELS	AUTOMATIC PATCH LOADING TRAY ASSEMBLIES			
	ASSEMBLY	TRAY PLATE, left (15)	TRAY PLATE, right (17)	BACK BLOCK (8)
625, 648, 690, 730	40-0515-1-050	40-0830-0-187	40-0831-0-187	40-0515-1-275
649, 744, 786, 850	40-0515-1-052	40-0830-0-187	40-0831-0-062	40-0515-1-275
787, 932	40-0515-1-054	40-0830-0-438	40-0831-0-938	40-0515-1-300
Above models equipped with 6" trays except 787 & 932	41-0515-0-051	40-0830-0-438	40-0831-0-938	40-0515-1-275

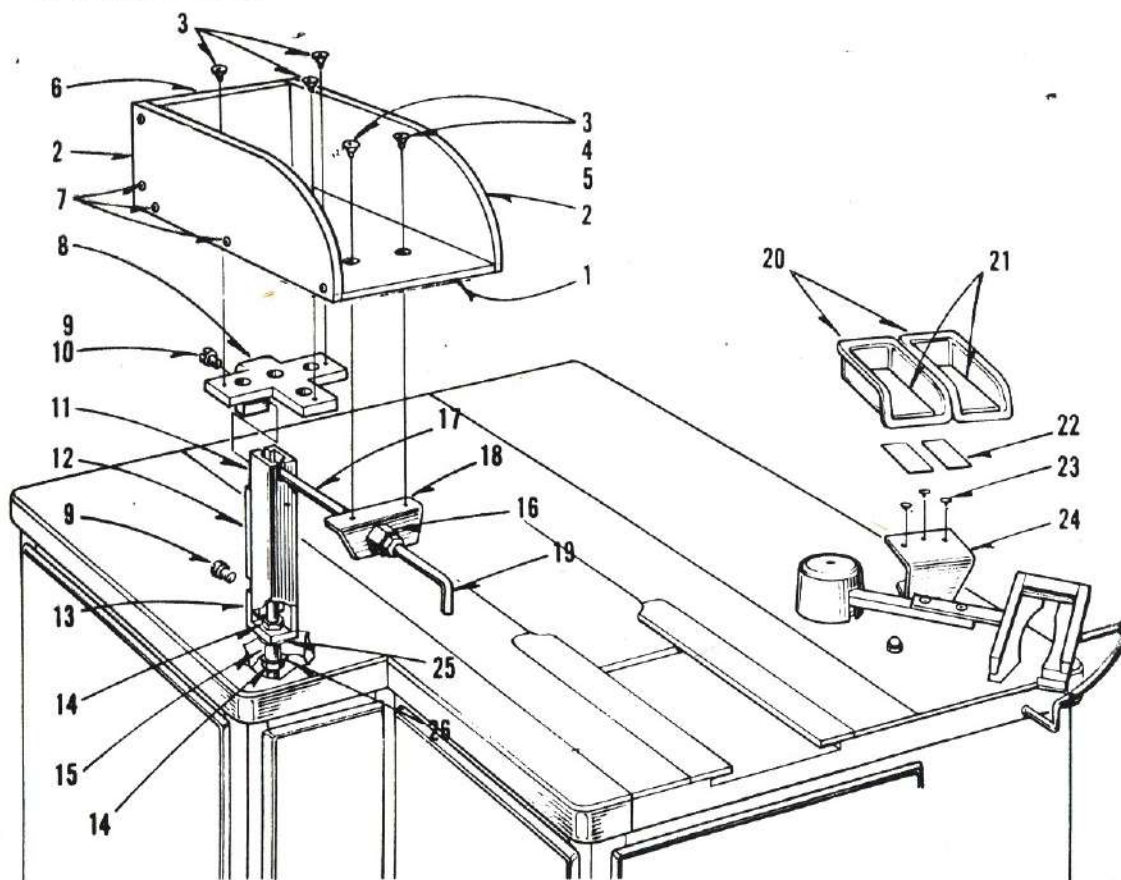


* See Foldout 1

DET.	PART NUMBER	DESCRIPTION
1	42-0878	Cover
2	42-0497	Loader Arm
3	01-2536	Screw
4	01-4404	Washer
5	40-0774-1	Adjusting Slide
6	01-2545	Screw
7	01-2712	Screw
8	40-0515- (all types) *	Back Block
9	40-0832-0-002	Tray Rail, left
10	01-2488	Screw
11	01-2633	Screw
12	40-0514-1	Tray Ear
13	01-2597	Screw
14	01-4528	Lock Washer
15	40-0830- (all types) *	Tray Plate, left
16	40-0841	Patch Holder
17	40-0831- (all types) *	Tray Plate, right

18	01-2472	Screw
19	40-0832-0-001	Tray Rail, right
20	42-0927	Patch Loader Guard
21	01-4412	Washer

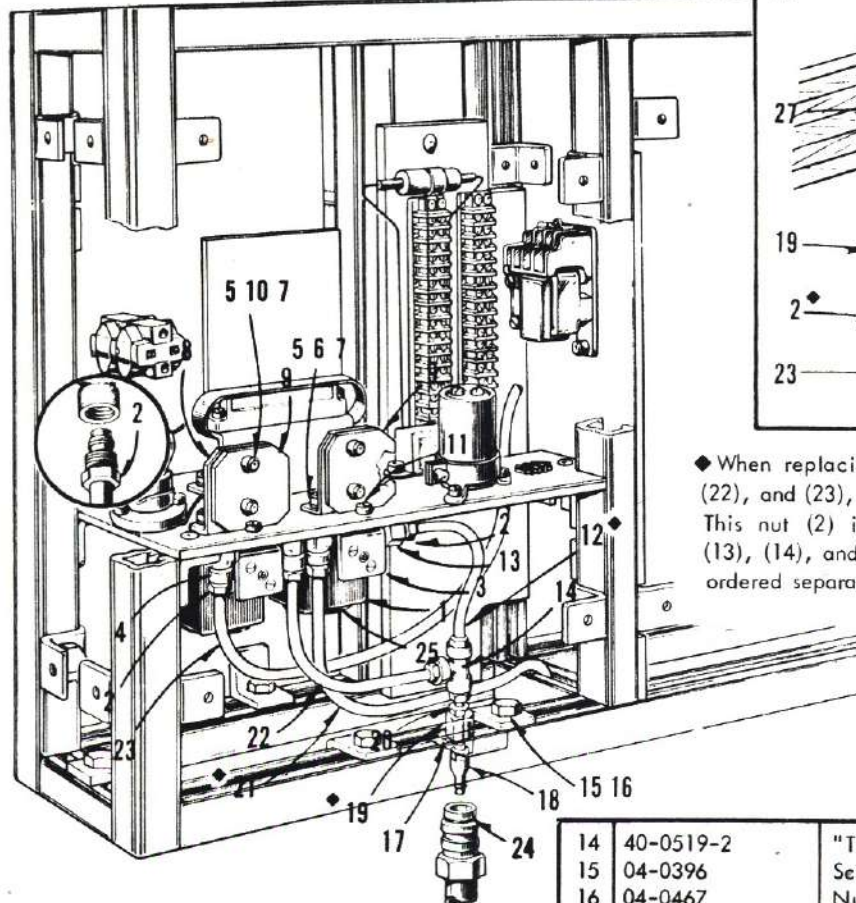
▲ Parts 1 - 6 and 20 are not included in Automatic Patch Tray Assemblies



DET.	PART NUMBER	DESCRIPTION
1	42-0820-0-004	Bottom
2	42-0820	Side
3	01-2583	Screw
4	01-4407	Lock Washer
5	01-3001	Nut
6	42-0820-0-003	Back
7	01-2706	Screw
8	42-0921	Bracket
9	04-0396	Screw
10	04-0467	Nut Block
11	42-0818	Column
12	04-0490-0-071	Cover
13	04-0388	Angle
14	01-3419	Lock Nut
15	42-0924	Nipple
16	42-0930	Union

17	40-0825	Tubing, 80"●
18	42-0929	Bracket
19	40-0816	Air Nozzle
20	42-0637-0-275	Patch Tray
	42-0637-0-300	Patch Tray (7/16" - 3/8")
	42-0637-0-450	Patch Tray (5/8" - 7/8")
21	40-0640	Pad (7/16" - 3/8")
	42-0640	Pad (7/16" - 1/2")
	41-0640	Pad (5/8" - 7/8")
22	42-0931	Tape, 3 - 3/8"●
23	01-2616	Screw
24	42-0932-0-850	Patch Tray Base
25	01-4569	Felt Washer
26	01-4500	Spacer

● Available in multiples of one foot.



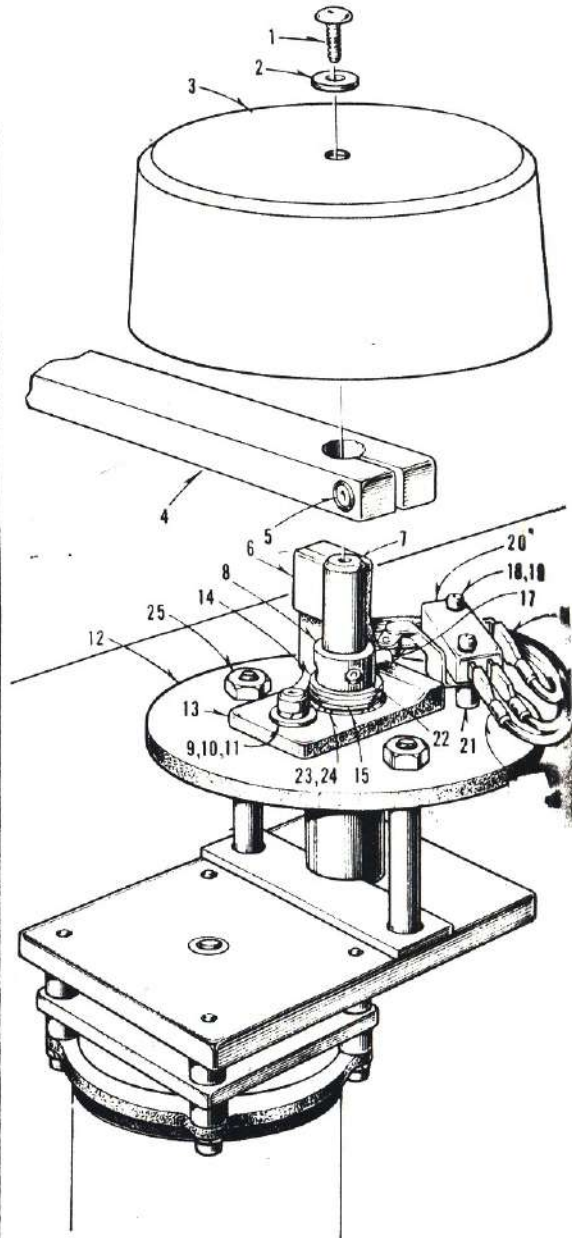
◆ When replacing tubing (12), (21), (22), and (23), also replace nut (2). This nut (2) is included with (4), (13), (14), and (19), but can be ordered separately.

DET.	PART NUMBER	DESCRIPTION
1	04-1052	Solenoid Valve
2	40-0575-2	Nut, replacement part
3	04-1053	Bracket
4	40-0218-1	Elbow Fitting
5	01-2437	Screw
6	01-4003	Lock Washer
7	01-3404	Nut
8	42-0905	Bracket
9	04-0326-0-050	Unloader Circuit Board
10	01-7489	Spacer
11	01-2493	Screw
12	40-0825	Tubing, 10" ●
13	40-0310-1	Connector

14	40-0519-2	"T" Connector
15	04-0396	Screw
16	04-0467	Nut
17	42-0919	Bracket
18	04-2003	Plug
19	42-0908	Tube Fitting
20	40-0823	Tube
21	40-0825	Tubing, 80" ●
22	40-0825	Tubing, 13" ●
23	40-0825	Tubing, 30" ●
24	04-2004	Coupler
25	04-1083	Bushing
26	01-3465	Air Nozzle
	42-0945	Plug (required when air not used)
27	42-0910	Air Tube
28	01-3008	Nut
29	01-4010	Washer

● Available only in multiples of one foot.

DET.	PART NUMBER	DESCRIPTION
1	01-2536	Screw
2	01-4404	Washer
3	42-0878	Cover
4	42-0497	Loader Arm
5	01-2449	Screw
6	40-0773	Stop Pad
7	42-0498	Shaft
8	40-0496-1	Collar
9	01-2460	Screw
10	01-4422	Lock Washer
11	01-4491	Washer
12	42-0877	Mounting Flange
13	42-0769	Stop
14	01-4493	•Race (2 used)
15	01-7458	Bearing
16	04-0258-0-187	Wire Terminal
17	01-2672	Set Screw
18	01-2783	Screw
19	01-4405	Lock Washer
20	04-1301	Automatic Sew Switch
21	42-0876	Spacer
22	01-2522	Set Screw
23	01-4507	"O" Ring (outer)
24	01-4450	"O" Ring (inner)
25	01-3406	Lock Nut
26	01-7475	Spacer
27	40-0775-0-850	Mounting Plate
28	01-2596	Screw
29	40-0772	Spacer
30	01-1460	Screw
31	01-2410	Screw
32	40-0502-1	Bracket
33	01-6420	Roll Pin
34	40-0500-1-050	Actuator
35	40-0531	Loader Motor Switch
36	40-0501	Patch Loader Switch
37	01-2673	Set Screw
38	01-2674	Set Screw
39	40-0777	Eccentric
40	40-0771	Guide Plate
41	01-2542	Screw
42	01-4407	Lock Washer
43	04-0285	Patch Loader Motor (60 hertz)
	04-0285-0-001	Patch Loader Motor (50 hertz)
44	40-0776	Eccentric Arm
45	42-0262-0-115	Loader Sewing Harness
46	04-0261	Wire Terminal

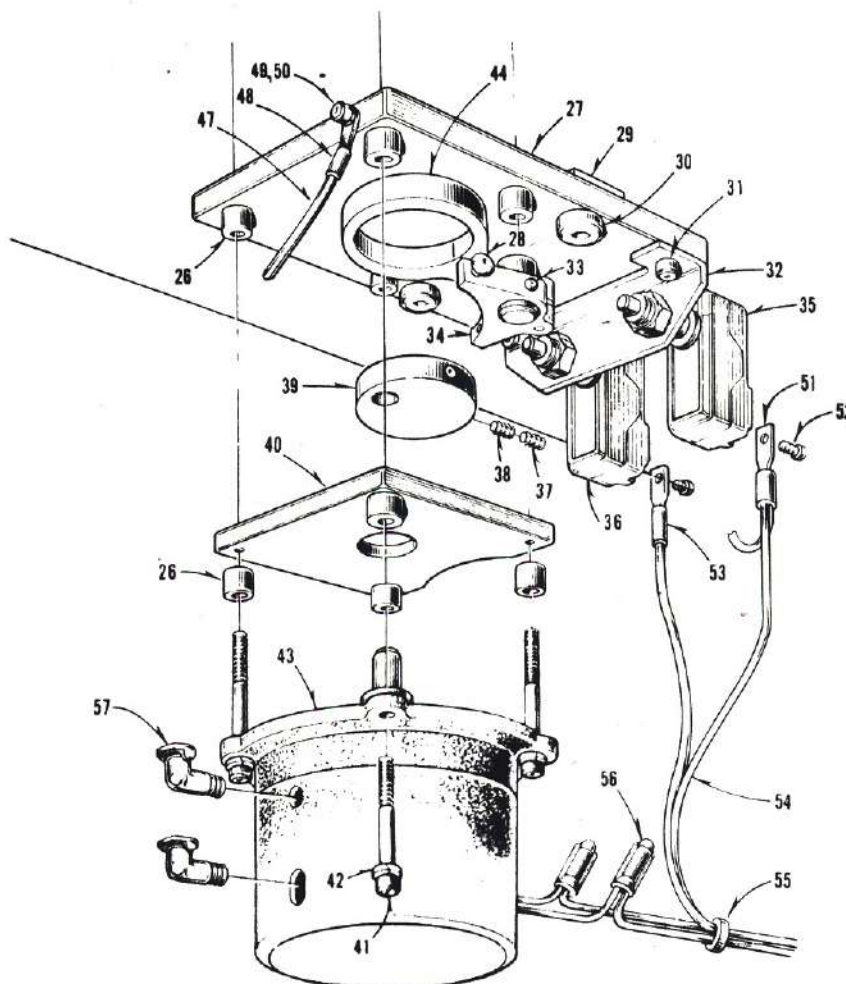


AUTOMATIC PATCH LOADING

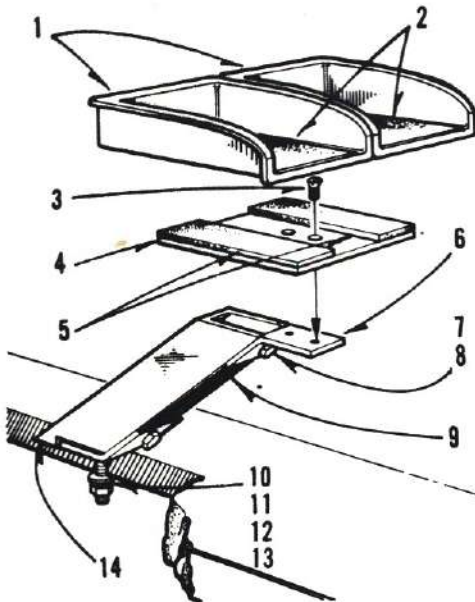
39

47	42-0262-0-155	Jumper
48	30-0278	Wire Terminal
49	01-2804	Screw
50	01-4572	Lock Washer
51	04-0129	Wire Terminal
52	01-2432	Screw (only one used at this position)
53	30-0261	Wire Terminal

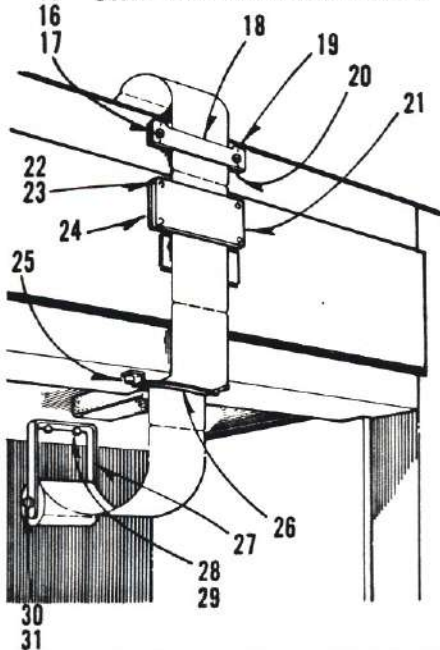
54	42-0262-0-114	Loader Motor Harness
55	05-0394	Tie
56	05-0369	Wire Connector
57	30-0011	Oil Cup



PATCH TRAYS



STAY MATERIAL DISPENSER

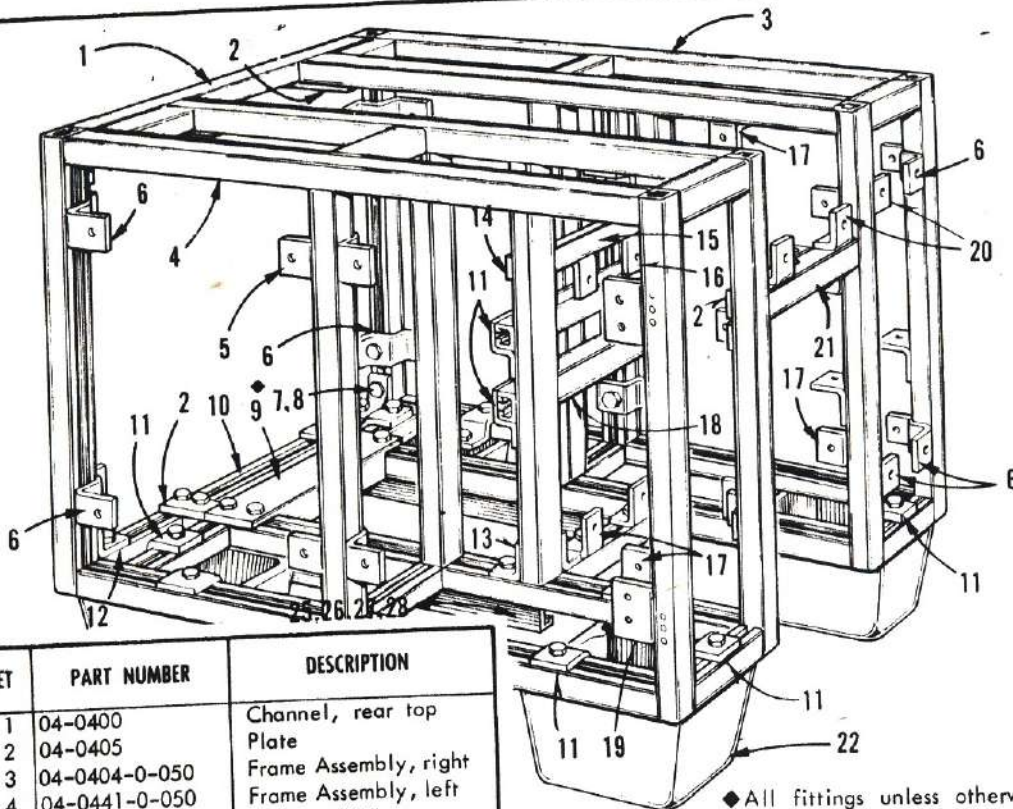


DET.	PART NUMBER	DESCRIPTION
1	42-0637-0-275	Patch Tray (7/16" - 3/8")
	42-0637-0-300	Patch Tray (7/16" - 1/2") used with 3" patches
	42-0637-0-450	Patch Tray (5/8" - 7/8")
2	40-0640	Pad (7/16" - 3/8")
	42-0640	Pad (7/16" - 1/2") used with 3" Patches
	41-0640	Pad (5/8" - 7/8")
3	01-2416	Screw
4	42-0942	Base
5	42-0931	Tape, 6"●
6	42-0939	Angle Bracket
7	04-0397	Screw
8	04-0467	Nut
9	04-0490-0-073	Closure
10	01-2798	Screw
11	01-3467	Nut
12	01-4567	Lock Washer
13	01-4568	Washer
14	42-0941	Unistrut
15	01-1466	Screw
16	01-5493	Spring
17	01-3426	Nut
18	40-0840	Material Separator
19	01-2591	Screw
20	40-0842	Separator Mat
21	04-1013-1	Name Plate
22	01-2592	Screw
23	01-4411	Spacer
24	42-0948	Name Plate Spacer
25	01-2410	Screw
26	41-0584	Holder Bar
27	42-0582	Bracket
28	01-2436	Screw
29	01-4407	Washer
30	01-2083	Screw
31	40-0583	Roller
	41-0583	Roller

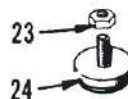
● Available in multiples of one foot.

TABLE FRAME

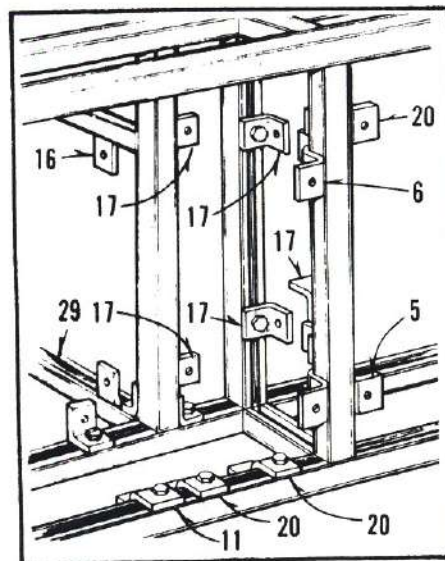
41

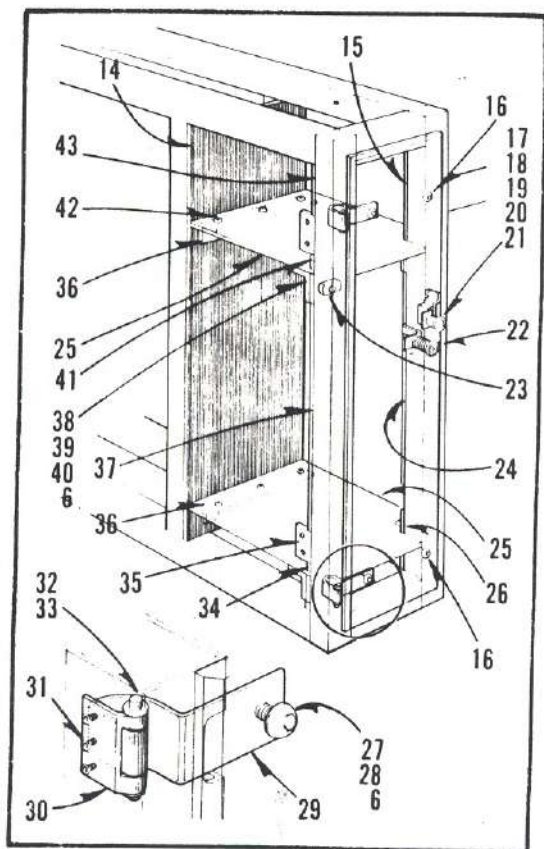
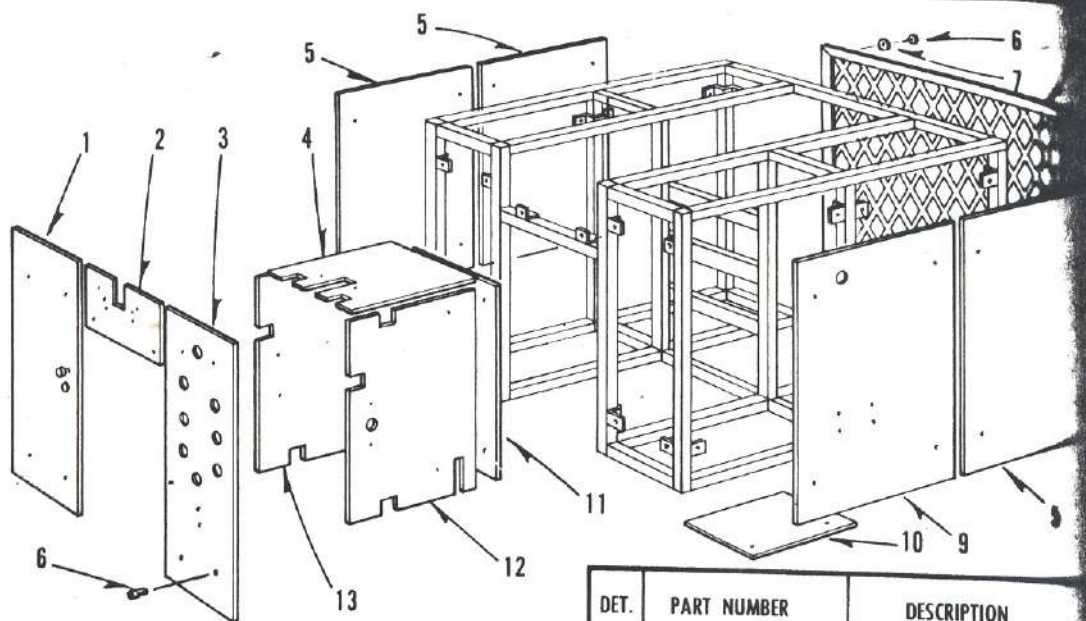


DET	PART NUMBER	DESCRIPTION
1	04-0400	Channel, rear top
2	04-0405	Plate
3	04-0404-0-050	Frame Assembly, right
4	04-0441-0-050	Frame Assembly, left
5	04-0422	Fitting, "U"
6	04-0387	Fitting, "W"
7	04-0396	Screw
8	04-0467	Nut
9	42-0349-1	Pump Channel
10	04-0402	Channel, rear bottom
11	04-0408	Fitting, "Z"
12	04-0388	Fitting, "L"
13	04-0386	Fitting, "Wing"
14	04-0407	Fitting, "Z"
15	04-0406	Channel
16	04-0450	Fitting, "Z"
17	04-0391	Fitting, "L"
18	04-0424	Channel
19	04-1069	Bracket
20	04-0409	Fitting, "Z"
21	04-0401	Channel, front
22	04-0384	Foot
23	01-3008	Nut
24	04-0393	Foot Pad
25	04-0392	Oil Pan Support
26	01-2768	Screw, front
27	01-2436	Screw, rear
28	01-3001	Nut
29	04-0410	Channel



◆ All fittings unless otherwise specified use 04-0396 Screw, and 04-0467 Nut.

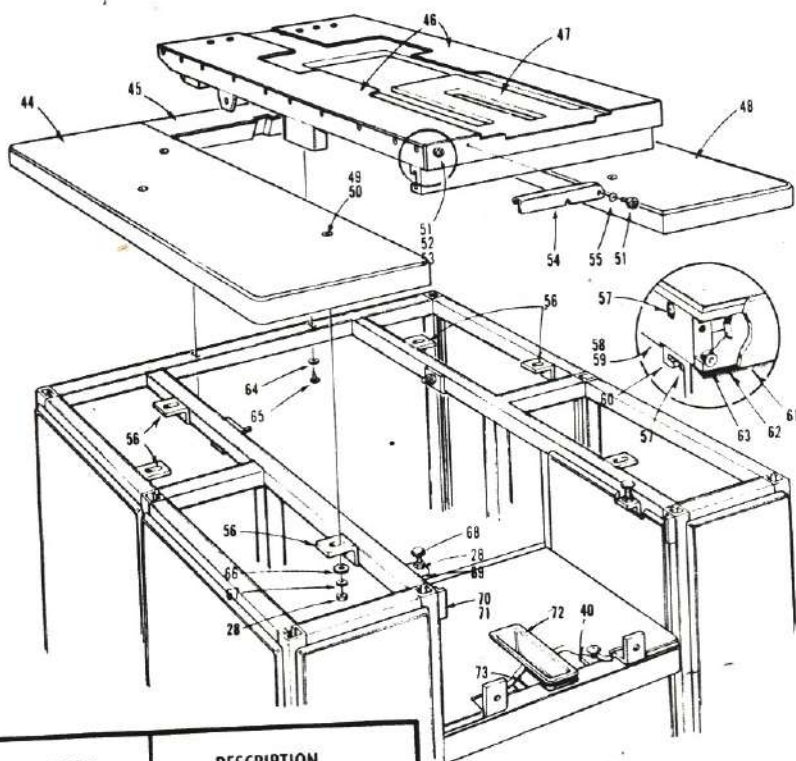




DET.	PART NUMBER	DESCRIPTION
1	04-1067	Door Panel
2	04-0412	Panel
3	04-0440	Control Panel
4	04-0419	Panel
5	04-0413	Panel
6	01-2793	Screw
7	01-4439	Washer
8	42-0915	Back Cover
9	04-0403	Panel
10	04-1031	Panel
11	04-0418	Panel
12	04-0417	Panel
13	04-0416	Panel
14	04-1070	Back Panel
15	04-0490-0-084	Closure, 5-1/4"
16	01-2801	Screw
17	42-0870	Knob
18	04-1098	Striker Plate
19	01-4003	Lock Washer
20	01-2493	Screw
21	04-1086	Magnetic Catch
22	04-1074	Lock
23	04-0467	Nut
24	04-0490-0-145	Closure, 9-1/16"
25	04-1068	Shelf
26	04-0490-0-034	Closure, 2-1/8"
27	01-4400	Washer
28	01-3406	Nut
29	04-1073	Hinge Hasp

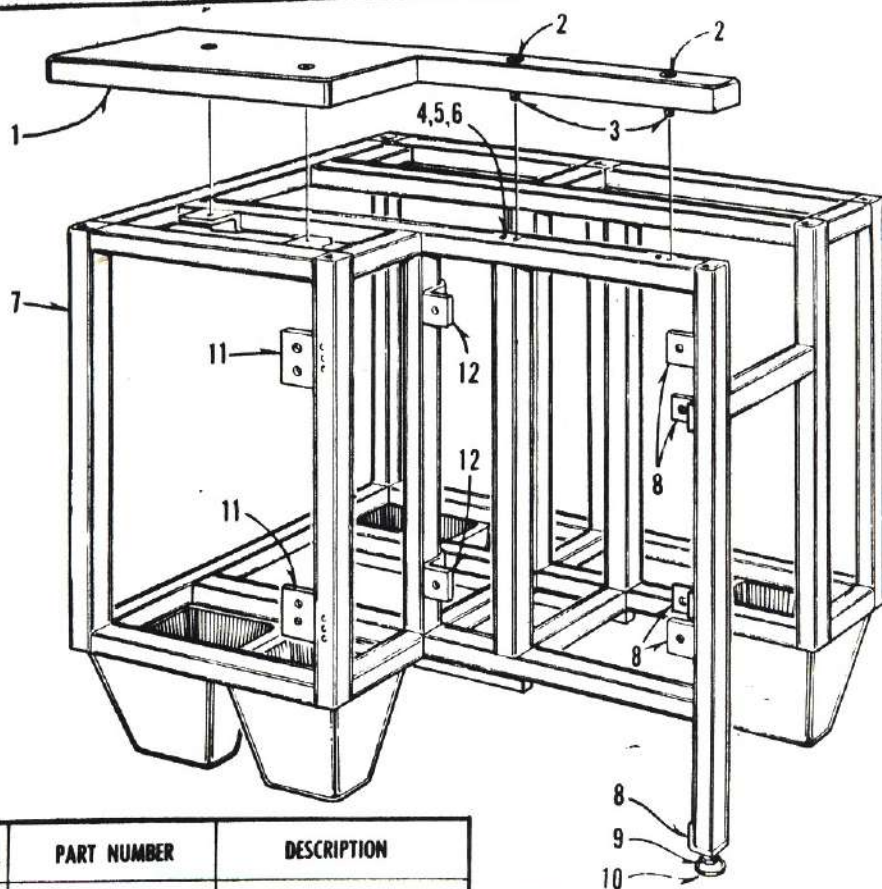
TABLE FRAME

43

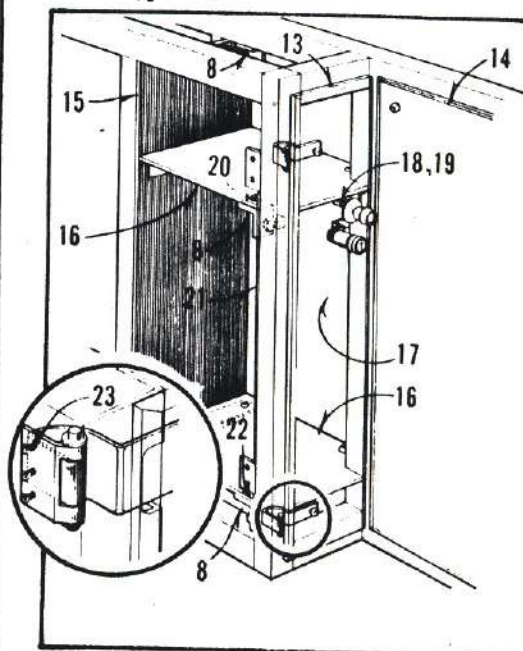


DET.	PART NUMBER	DESCRIPTION
30	04-1072	Hinge Mounting Plate
31	01-2657	Screw
32	01-6678	Hinge Pin
33	01-6368	Retaining Ring
34	04-0490-0-007	Closure, 7/16"
35	04-1069	Angle
36	04-1091	Shelf Support
37	04-0490-0-192	Closure, 12"
38	04-1100	Flat Plate
39	04-0492	Screw
40	04-0391	Fitting "L"
41	04-0490-0-005	Closure, 5/16"
42	01-2654	Screw
43	04-0490-0-039	Closure, 2-7/16"
44	42-0340-0-002	Table Top, left
45	42-0859	Table Top, rear
46	42-0378	Cover
47	42-0320	Bedplate
48	42-0340-0-001	Table Top, right
49	04-1061	Combination Nut
50	01-2607	Stud
51	01-1476	Screw
52	01-4012	Washer
53	01-7492	Bushing

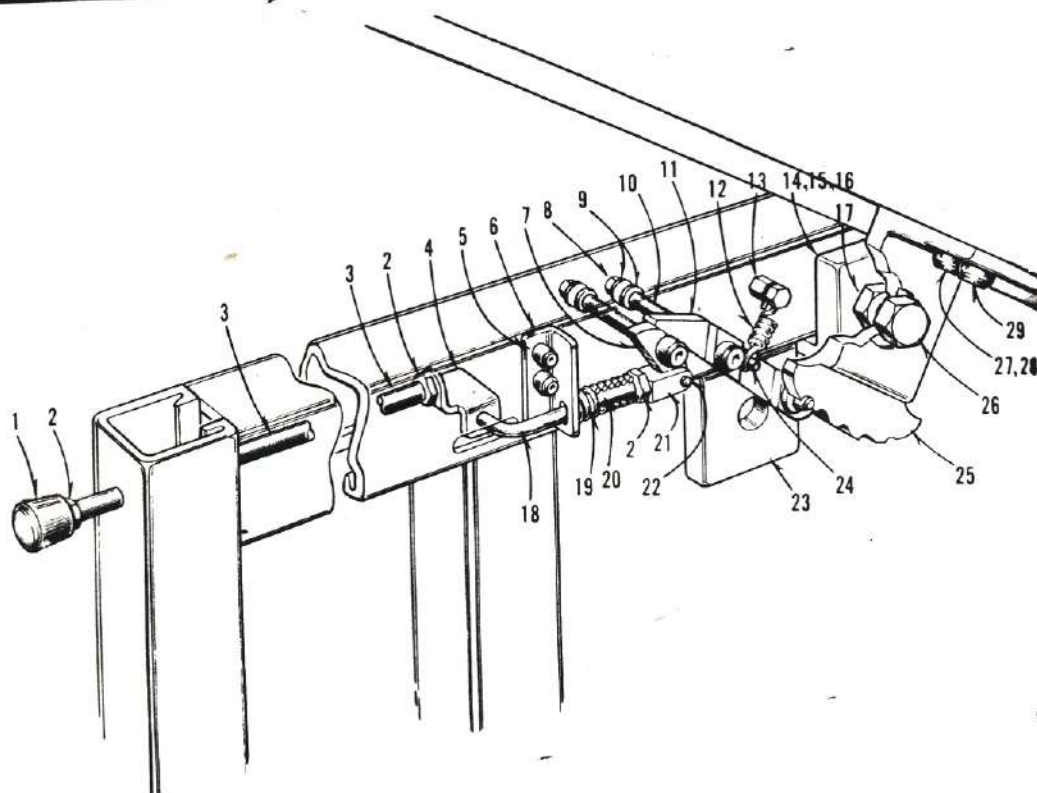
54	42-0813	Support
55	01-4452	Wave Washer
56	04-0464	Fitting "Z"
57	01-2506	Screw
58	42-0703-0-002	Side Bar, left
59	42-0703-0-001	Side Bar, right
60	42-0874	Cross Bar
61	42-0872	Front Plate Cover
62	42-0873	Front Plate
63	01-2570	Screw
64	01-4559	Washer
65	01-2616	Screw
66	04-0043	Washer
67	01-4422	Lock Washer
68	04-1283	Screw
69	04-0451-1	Fitting "Z"
70	04-0449	Bracket
71	01-2411	Screw
72	42-0554	Pan
73	40-0640	Foam Pad



DET.	PART NUMBER	DESCRIPTION
1	42-0340-0-003	Table top, left
2	04-1061	Combination Nut
3	04-1062	Stud, 1-3/4"
4	42-0947	Nut Block
5	01-2659	Screw
6	01-3468	Nut
7	04-0390-0-050	Table Frame Asm., left
8	04-0391	Fitting, "L"
9	01-3406	Nut
10	04-0493	Guide Foot
11	04-1069	Bracket
12	04-0409	Fitting, "Z"
13	04-0423	Door Panel
14	04-1099	Side Panel
15	04-1089	Back Panel
16	04-1090	Shelf
17	04-1096	Side Panel
18	04-1086	Magnetic Latch
19	01-2582	Screw (2)
20	04-0490-0-022	Closure, 1-3/8"
21	04-0490-0-176	Closure, 11"
22	04-0490-0-007	Closure, 7/16"
23	01-2461	Screw

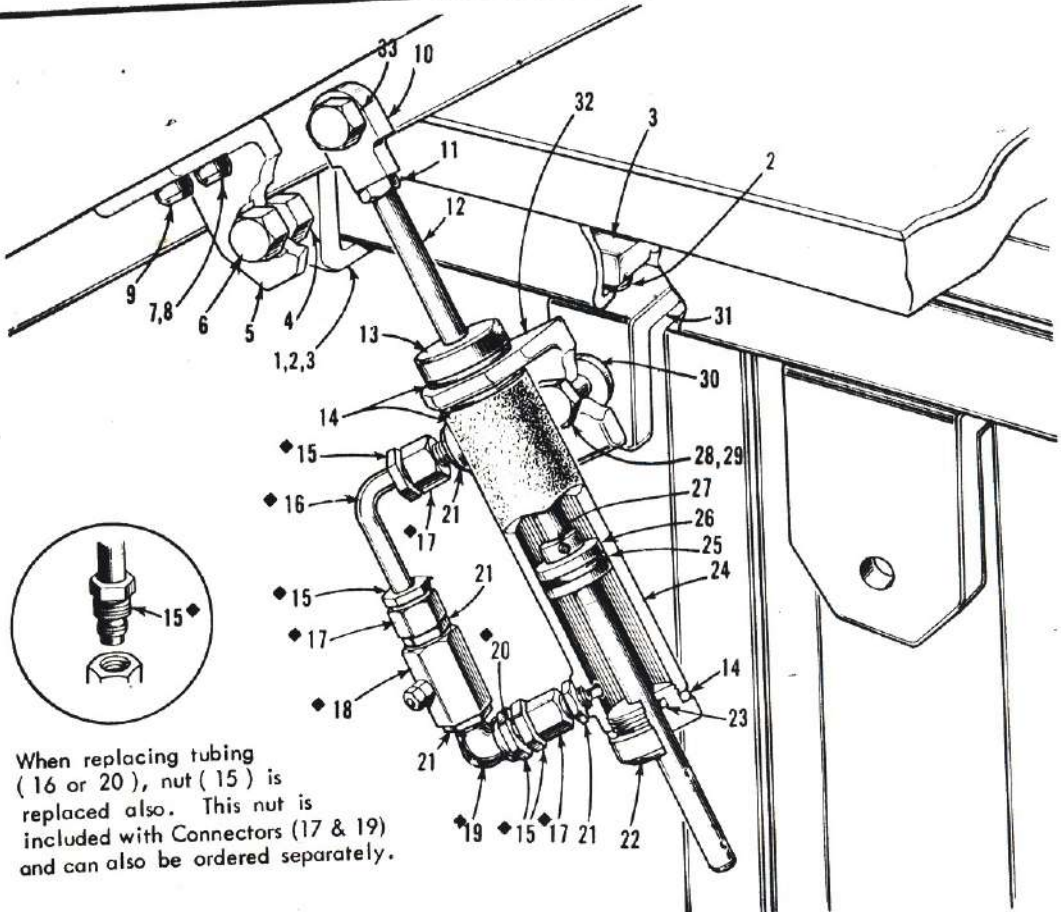


Parts that may not be called out on this page are the same as corresponding parts shown on pages 41 -



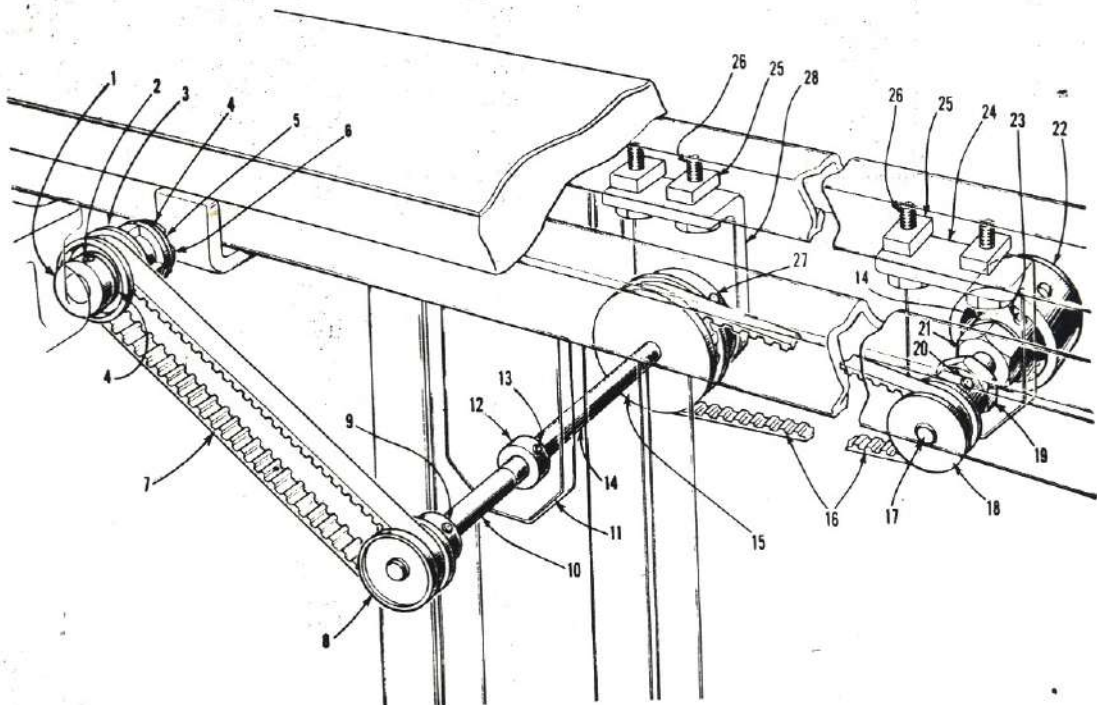
DET.	PART NUMBER	DESCRIPTION
1	42-0951	Knob
2	01-3404	Nut
3	42-0858	Rod
4	42-0860	Connector
5	01-2411	Screw
6	42-0862	Bracket
7	42-0866	Lever
8	01-3415	Nut
9	01-4063	Washer
10	01-1470	Screw
11	42-0867	Latch
12	01-5507	Spring
13	01-1472	Screw
14	04-0443	Fitting
15	04-0396	Screw
16	04-0467	Nut
17	01-3462	Nut
18	42-0868	Rod

19	01-5508	Spring
20	42-0864	Spacer
21	42-0865	Clevis
22	01-6652	Rollpin
23	04-0391	Fitting
24	01-6655	Spring Anchor
25	42-0328-0-002	Hinge, left
26	01-1471	Pivot
27	01-2483	Screw
28	01-4422	Lock Washer
29	01-2460	Screw



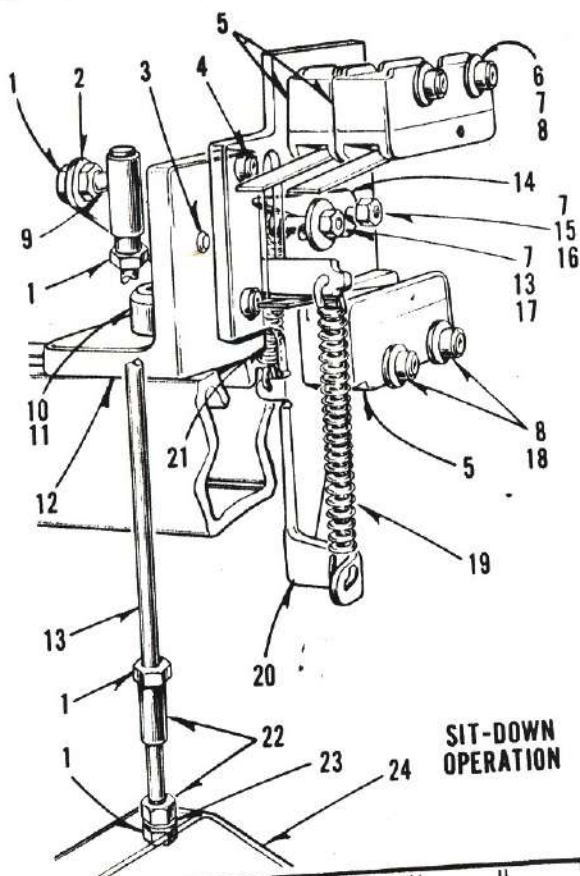
DET.	PART NUMBER	DESCRIPTION
1	04-0443	Fitting
2	04-0396	Screw
3	04-0467	Nut
4	01-3462	Nut
5	42-0328-0-001	Hinge, right
6	01-1471	Pivot
7	01-2483	Screw
8	01-4422	Lock Washer
9	01-2460	Screw
10	42-0889	Pivot
11	01-3470	Nut
12	42-0890	Piston Rod
13	42-0473	Cap
14	30-0194	Gasket
15	40-0575-2	Nut, replacement
16	42-0895	Tubing

17	40-0310-1	Connector
18	04-0294	Needle Valve
19	40-0218-1	Connector
20	42-0894	Tubing
21	01-3424	Nut
22	40-0473	Cap
23	01-4480	"O" Ring
24	42-0875	Cylinder
25	01-4451	"O" Ring
26	31-0472	Piston
27	01-6470	Roll Pin
28	01-1473	Pivot Screw
29	01-3406	Nut
30	01-4562	Spacer
31	04-0391	Fitting, "L"
32	42-0885	Bracket
33	01-1474	Pivot

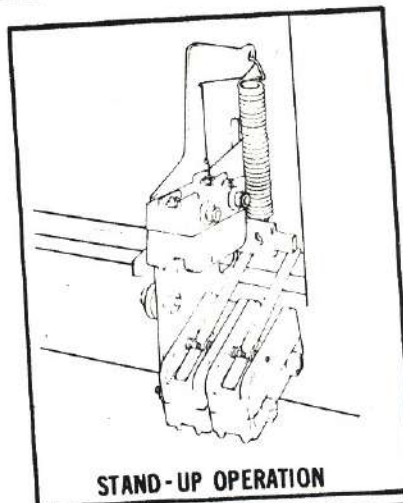


DET.	PART NUMBER	DESCRIPTION
1	42-0882	Clutch Spacer
2	01-2453	Set Screw
3	42-0286-0-050	Timing Pulley
4	01-4560	Washer, nylon
5	01-4561	Washer, steel
6	01-6656	Retaining Ring
7	42-0892	Timing Belt
8	42-0287	Timing Pulley
9	01-2559	Set Screw
10	42-0881	Pulley Shaft
11	42-0880-1	Bracket
12	42-0888	Collar
13	01-2408	Set Screw
14	01-6561	Retaining Ring
15	42-0883	Timing Pulley
16	42-0891	Timing Belt
17	42-0887	Shaft
18	42-0893	Timing Pulley
19	01-3463	Nut
20	01-2521	Set Screw

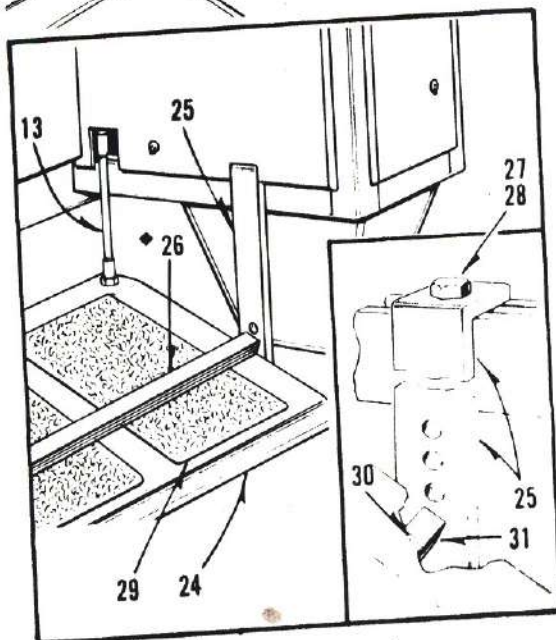
21	42-0886	Bearing
22	42-0290	Handwheel
23	01-2442	Set Screw
24	42-0869	Bracket
25	04-0467	Nut Block
26	04-0396	Screw
27	01-2787	Set Screw
28	42-0861	Bracket



SIT-DOWN OPERATION

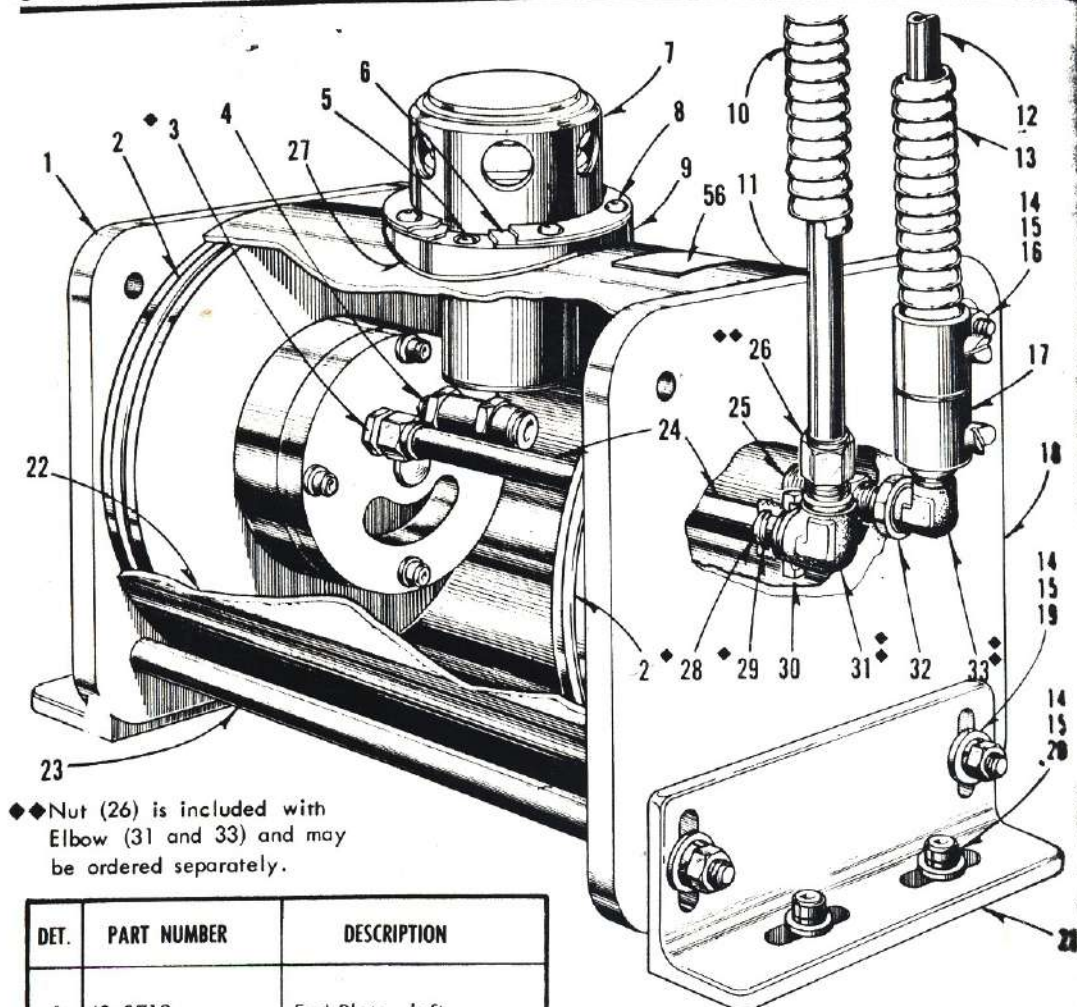


STAND-UP OPERATION



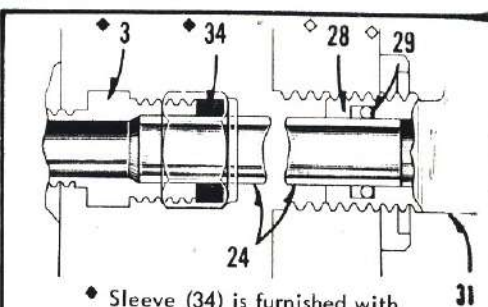
◆ Optional on Sitting Model only.

DET.	PART NUMBER	DESCRIPTION
1	01-3404	Nut
2	42-0850	Actuator Arm
3	01-1467	Screw
4	01-2764	Screw
5	40-0533	Switch
6	01-2519	Screw
7	01-3401	Nut
8	01-4411	Washer
9	20-6261	Ball Joint Asm.
10	01-2455	Screw
11	04-0467	Nut Block
12	04-0468	Bracket
13	42-0857	Rod
14	42-0853	Stop Lever
15	01-4550	Washer
16	01-7487	Bushing
17	01-2413	Screw
18	01-2433	Screw
19	01-5498	Spring
20	42-0852	Mounting Plate
21	01-5499	Spring
22	20-6263	Ball Joint Asm.
23	01-4003	Lock Washer
24	42-0855	Pedal
25	42-0856	Fitting
26	42-0854-0-001	Footrest
27	04-0396	Screw
28	04-0395	Nut
29	42-0925	Safety Pad
30	01-2451	Screw
31	42-0854	Shaft



◆◆ Nut (26) is included with Elbow (31 and 33) and may be ordered separately.

DET.	PART NUMBER	DESCRIPTION
1	40-0719	End Plate, left
2	01-4505	"O" Ring
3	30-0342	Connector
4	40-0731	Relief Valve
5	01-2654	Screw
6	40-1013	Gasket
7	40-0729	Filler Cap
8	01-2536	Screw
9	40-0722	Filler Base
10	40-0594	Autoflex, 27-1/2" ●
11	40-0826	Tubing, 27-1/2" ●
12	40-0826	Tubing, 30" ●
13	40-0954	Autoflex, 30" ●
14	01-2615	Bolt with Nut
15	01-3406	Nut
15	01-4422	Lock Washer
16	01-4400	Washer

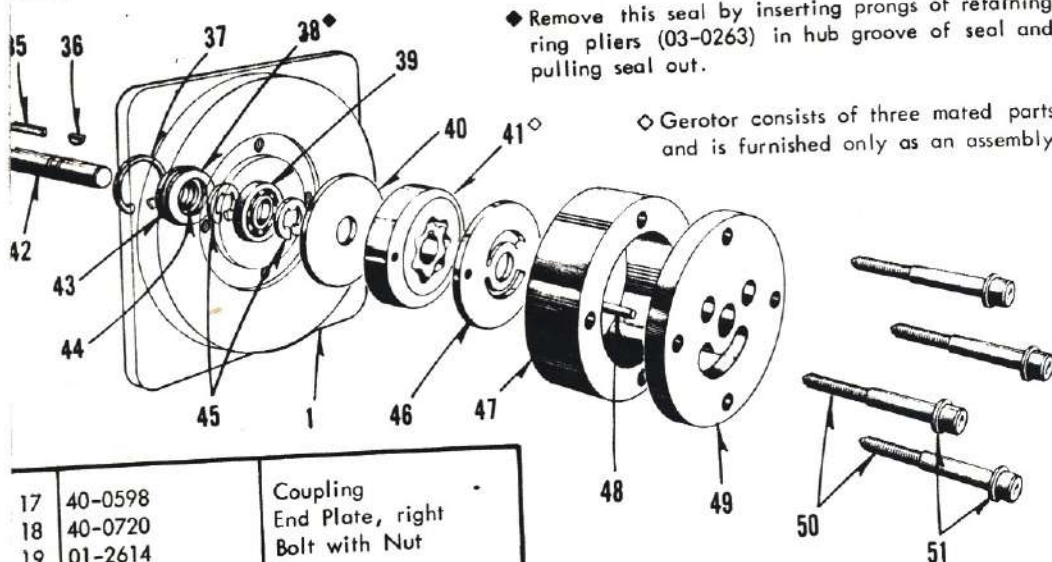


◆ Sleeve (34) is furnished with Connector (3) and may be ordered separately.
 ◇ Concave side of Washer (28) is placed against "O" Ring (29)

● Available only in multiples of one foot.

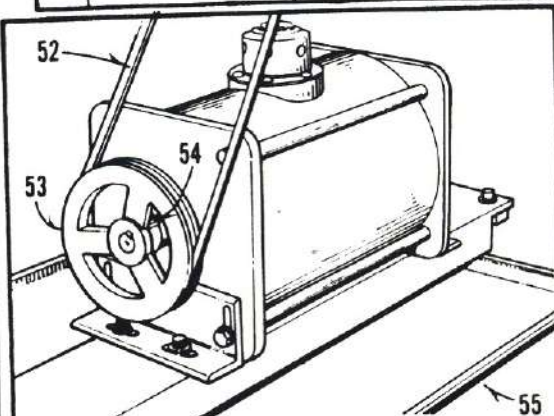
◆ Remove this seal by inserting prongs of retaining ring pliers (03-0263) in hub groove of seal and pulling seal out.

◇ Gerotor consists of three mated parts and is furnished only as an assembly.



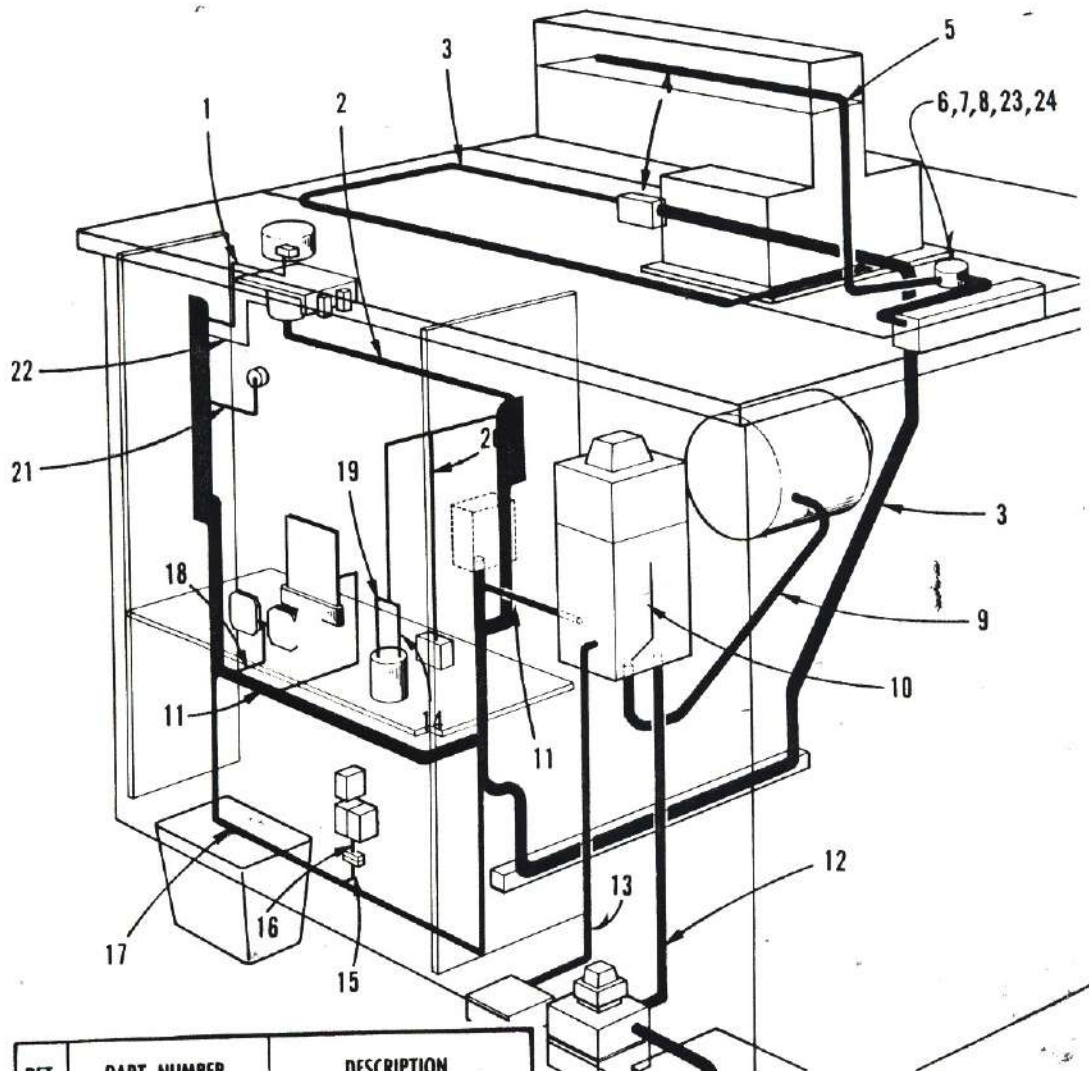
17	40-0598	Coupling
18	40-0720	End Plate, right
19	01-2614	Bolt with Nut
20	01-2483	Screw
21	40-0721	Bracket
22	40-0718	Tank
23	40-0737	Tube
24	40-0734	Cap, Tube
25	40-0730	Check Valve
26	40-0574	Ferruled Nut
27	40-0723	Gasket
28	01-4508	Back-up Washer
29	01-4428	"O" Ring
30	01-3441	Lock Nut
31	40-0733-1-050	Elbow
32	01-3419	Lock Nut
33	40-0236	Elbow
34	30-0226	Sleeve
35	01-8403	Square Key
36	01-8404	Woodruff Key
37	01-6585	Retaining Ring
38	40-0726	Shaft Seal
39	01-7465	Bearing
40	40-0732	Inner Disc
41	40-0728	Gerotor
42	40-0727	Shaft
43	01-4506	"O" Ring (outer)
44	01-4507	"O" Ring (inner)
45	01-6583	Retaining Ring
46	40-0735	Port Disc
47	40-0724	Gerotor Disc
48	01-6584	Pin
49	40-0725	Cover Plate
50	01-2613	Screw
51	01-4409	Lock Washer

52	05-0087-0-440	Belt (60 hz.)
	05-0087-0-450	Belt (50 hz.)
53	40-0347	Pulley
54	01-2573	Screw
55	42-0353	Oil Pan
56	05-0421	Label, Oil Spec.



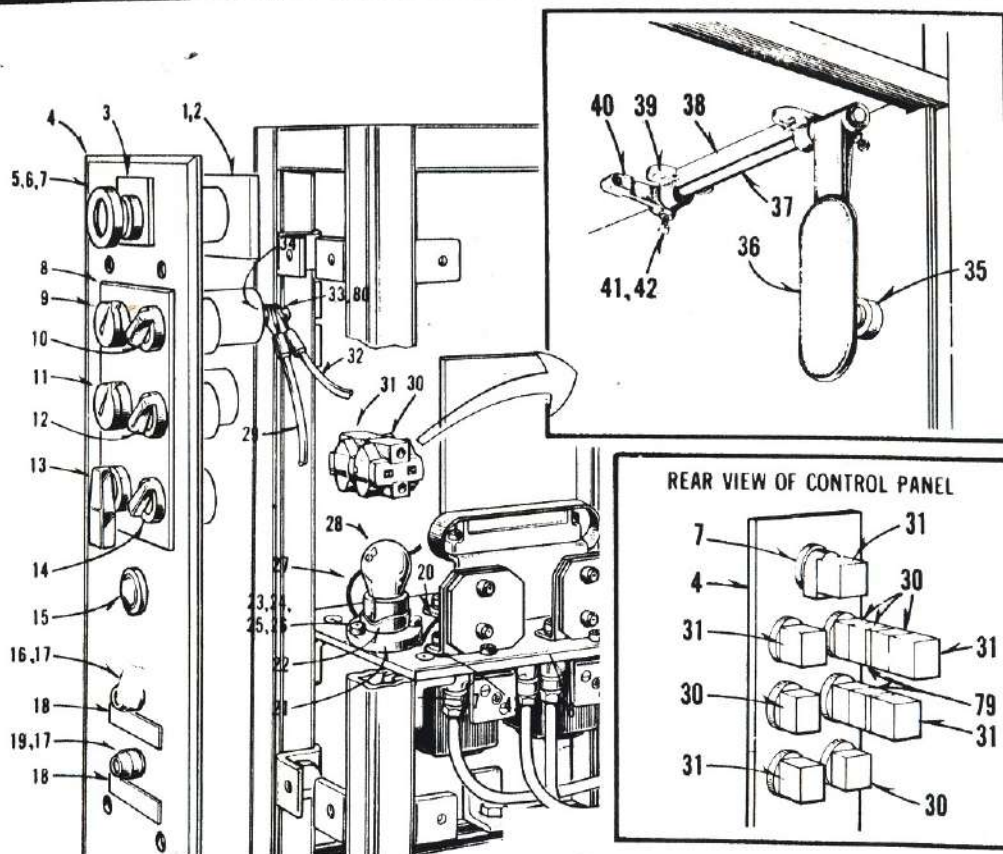
Pump must be filled with five (5) quarts of hydraulic oil of the type that meets specifications MIL-H-5606-A (05-0357-1). Pumps that are shipped prefilled have a shipping seal (40-0736) across the opening of the filler cap. Cut out this seal before operating pump.

Oil Pressure (160 p.s.i.) may be checked only at clamp table cylinder using gauge adaptor 03-0195.



DET.	PART NUMBER	DESCRIPTION
1	42-0262-0-115	Loader Sewing Harness
2	42-0262-0-114	Loader Motor Harness
3	42-0262-1-110	Main Harness
4		Counter Box Assembly
5	42-0262-0-116	Head Harness
6	42-0046-0-050	Junction Box Assembly
7	01-2804	Screw
8	01-4572	Lockwasher
9	40-0262-0-118	Motor Harness
10	40-0262-0-133	Transformer Ground Wire
11	42-0262-1-119	Transformer Harness
12	42-0262-1-162	Circuit Breaker Harness

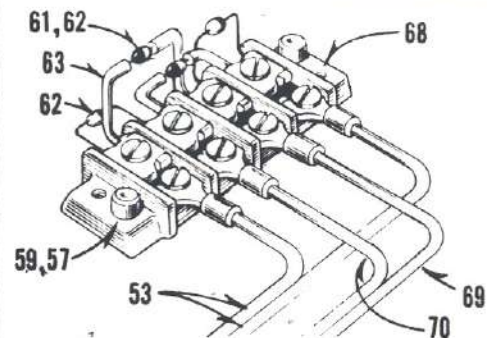
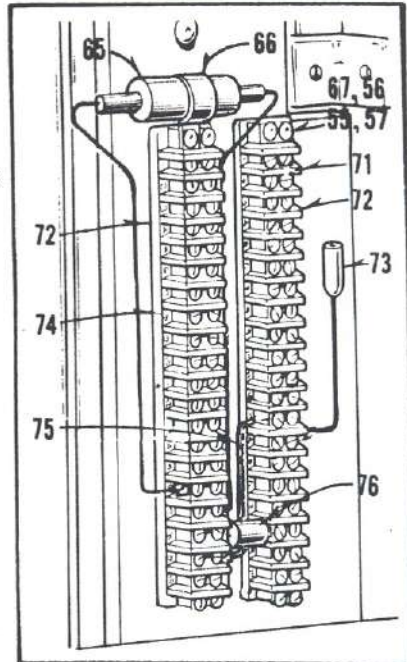
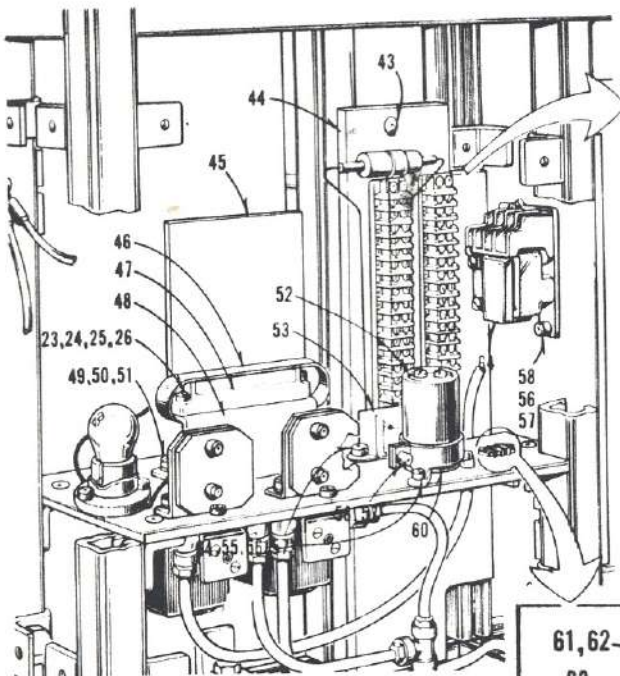
13	42-0262-0-151	Receptacle Harness
14	42-0262-0-134	Capacitor Jumper Wire
15	42-0262-0-161	Pedal Harness (female)
16	42-0262-0-112	Pedal Harness (male)
17	42-0262-0-117	Main Switch Harness
18	42-0262-0-160	Unloader Harness
19	42-0262-0-135	Capacitor Jumper Wire
20	42-0262-0-129	Transformer Harness
21	42-0262-0-111	Knee Harness
22	42-0262-0-155	Patch Loader Ground Wire
23	05-0369	Wire Nut
24	05-0370	Wire Nut



DÉT.	PART NUMBER	DESCRIPTION
1	42-0907	Guard
2	01-2569	Screw
3	42-0936	Main Switch Plate
4	04-0440	Control Panel
5	04-0452	On-Off Switch
6	04-0489	Lamp
7	(no part no.)	Washer (1 per switch)
8	42-0807	Switch Plate
9	04-0453	Selector Switch
10	04-0454	Clamp Safety Switch
11	04-0459	Loading Switch
12	04-0457	Loader Sew Switch
13	04-0456	Clamp Clearing Switch
14	04-0455	Fingers Switch
15	04-0480	Lens, red
16	42-0262-0-12B	Fuse Holder Asm.
17	04-0476	Fuse

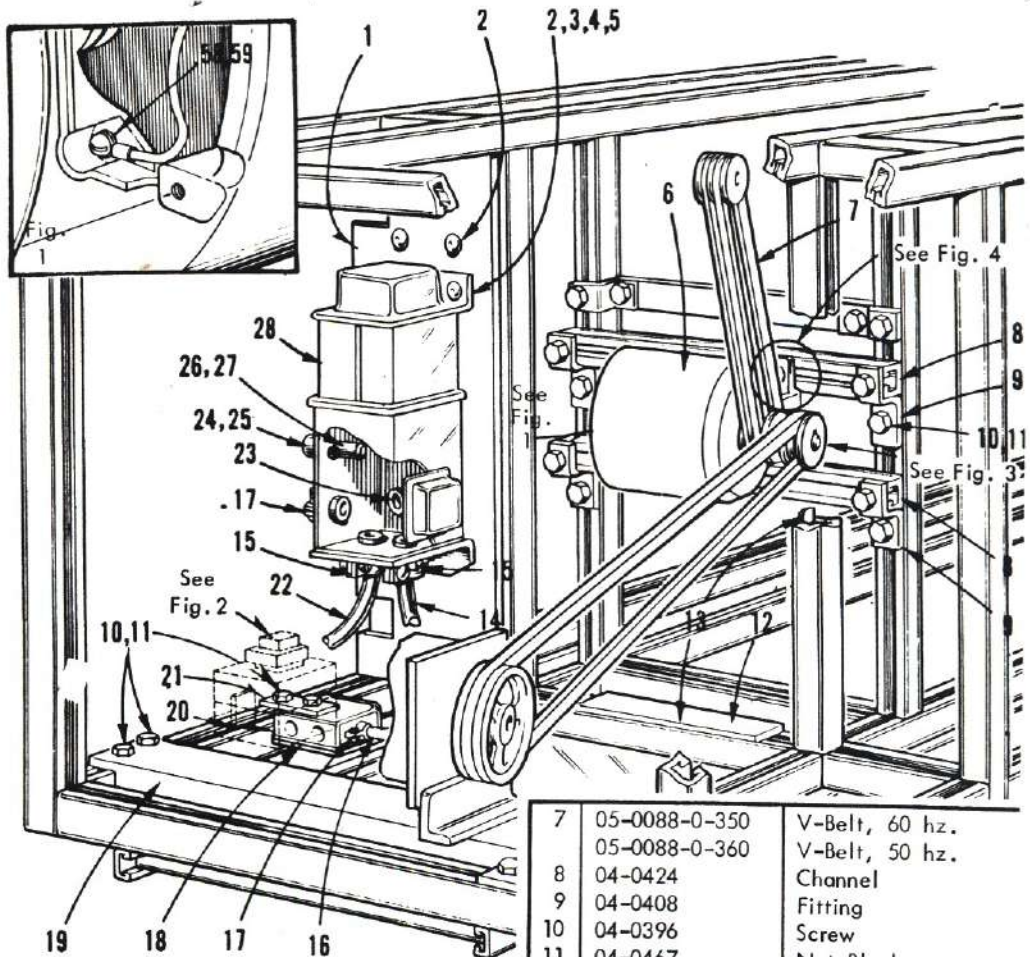
18	05-0455	Decal
19	42-0262-0-170	Fuse Holder Asm.
20	42-0262-0-154	Jumper, orange
21	04-0479	Socket
22	30-0478-0-750	Sleeving, 1-1/4" ●
23	01-2708	Screw
24	01-4401	Washer
25	01-4405	Lock Washer
26	01-3414	Nut
27	42-0262-0-153	Jumper, blue/yellow
28	04-0477	Lamp (75 W.)
29	42-0262-0-119	Transformer Harness
30	04-1057	Switch, replacement
31	04-1014	Switch, replacement
32	42-0262-0-155	Jumper, green
33	01-2803	Screw, cadium
34	01-4570	Washer, brass
35	04-0458	Knee Switch
36	42-0440	Lever
37	40-0650	Shaft
38	42-0995	Bracket

● Available only in multiples of one foot.



39	01-2416	Screw
40	42-0439	Stop
41	01-2195	Screw
42	01-3009	Nut
43	01-2793	Screw
44	04-0465	Panel
45	04-0272-2-050	Main Circuit Board
46	42-0938	Retainer
47	04-0273	Holder
48	42-0904	Bracket
49	01-2430	Screw
50	01-4004	Lock Washer
51	01-3415	Nut
52	04-0255-0-223	Capacitor, 22,000 uf
53	04-0271	24 V. Transformer
54	01-2450	Screw
55	01-4412	Washer
56	01-4407	Lock Washer
57	01-3402	Nut
58	01-2412	Screw
59	01-2482	Screw
60	04-0327	Capacitor Mount
61	04-0236-0-050	Rectifier Asm.
62	04-0236-0-201	Diode
63	30-0478-0-625	Sleeving, 5/8"

64	04-1208	AC Contactor
65	42-0706-1-050	Capacitor, 3 uf
66	70-2061	Clamp
67	01-2579	Screw
68	04-1322	Barrier Terminal Block
69	42-0262-0-181	Jumper, white
70	42-0262-0-180	Jumper, red
71	70-1414	Terminal Jumper
72	04-0474	Barrier Terminal Block
73	42-0262-0-171	Test Jack
74	04-0475	Marker Strip
75	42-0262-0-158	Jumper, white, 4"
76	04-0237-0-509	Resistor, 5 ohms, 5 W.
77	04-0391	Angle
78	04-0472	Shelf
79	04-1058	Offset Plunger
80	01-4581	Lockwasher, cadium



DET.	PART NUMBER	DESCRIPTION
1	04-0466	Mounting Panel
2	01-2793	Screw
3	01-4400	Washer
4	01-4422	Lockwasher
5	01-3406	Nut
MOTORS		
6	04-0002-0-116	115-230v. 1ph./60hz.
	04-0002-0-017	208v. 3ph./60hz.
		190v. 3ph./50hz.
	04-0002-0-018	230-460v. 3ph./60hz.
		200-415v. 3ph./50hz.
	04-0002-0-019	220-380v. 3ph./50hz.
	04-0002-0-025	250-480v. 3ph./50hz.

7	05-0088-0-350	V-Belt, 60 hz.
	05-0088-0-360	V-Belt, 50 hz.
8	04-0424	Channel
9	04-0408	Fitting
10	04-0396	Screw
11	04-0467	Nut Block
12	04-0490-0-112	Cover
13	04-0491	Fiber Retainer
14	40-0262-0-118	Motor Harness
15	04-0014	Connector
16	42-0262-0-151	Light Receptacle Harness
17	04-0143	Connector
18	04-0141	Cover with Receptacle
	04-0145	Cover and 2 Receptacles
19	42-0349	Channel
20	04-0127	Junction Box
21	04-0405	Bracket
22	42-0262-1-162	Circuit Breaker Harness
23	04-0084	Chase Nipple
24	30-0763	Fuse Holder
25	05-0058	Fuse, 8 amp.
26	01-2369	Screw

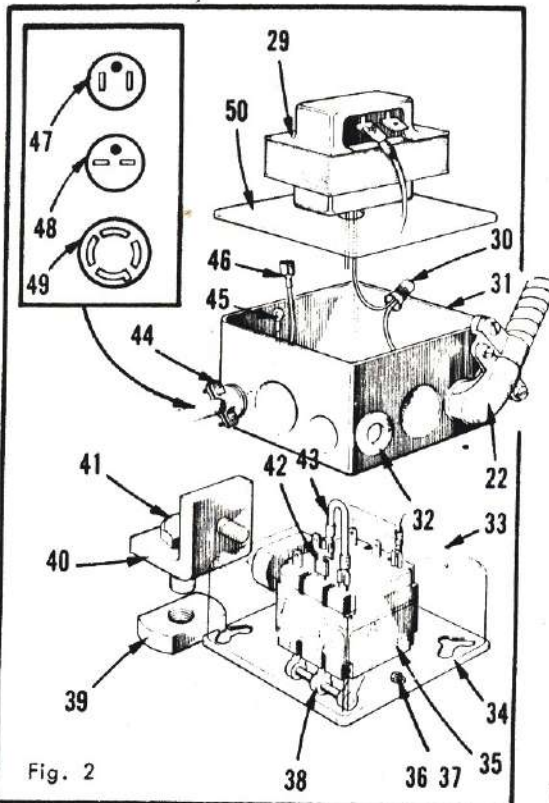


Fig. 2

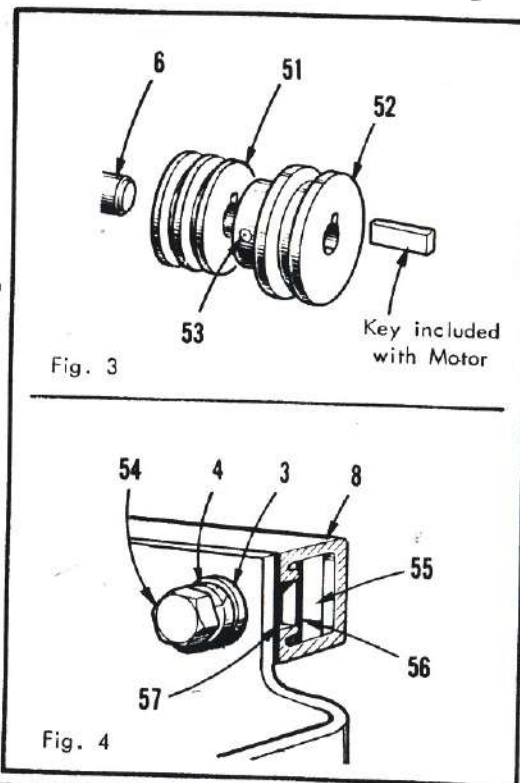


Fig. 3

Fig. 4

DET.	PART NUMBER	DESCRIPTION
27	01-3421	Nut
28	30-0364	Transformer
29	30-0138	Transformer
30	05-0369	Connector
31	04-1120	Junction Box
32	04-1083	Snap Bushing
33	04-1002	Junction Box
34	04-1056	Cover
35	01-2411	Screw
36	01-2803	Screw
37	01-3420	Nut
38	04-1055	Switch
39	04-0467	Nut
40	04-0388	Fitting
41	04-0396	Screw
42	04-1004	Adaptor (single phase)
43	42-0262-0-152	Jumper (single phase)
	42-0262-1-152	Jumper (does not require adaptor 04-1004)

44	04-0143	Connector
45	30-0278	Terminal
46	04-0258-0-251	Terminal
47	04-0135	Cord and Plug 1ph. 105/125v.
48	04-0137	Cord and Plug 1ph. 125/250v.
49	04-0139	Cord and Plug 3ph. 208/460v.
	04-0139-0-001	Cord and Plug 3ph. 230v. (use on Canadian mchs. only)
50	04-1173	Cover
51	42-0352-0-001	Pulley, 60 hz.
	42-0352-0-625	Pulley, 50 hz.
52	42-0352-0-002	Pulley, 60 hz.
	42-0352-0-626	Pulley, 50 hz.
53	01-2456	Set Screw
54	01-2797	Screw
55	04-0442	Nut Plate
56	42-0935	Rubber Strip
57	42-0934	Rubber Strip
58	01-2802	Screw
59	01-4571	Lockwasher, Cadium

WIRE COLOR CODE

1st Color = Base Color
2nd Color = Stripe Color



Electrical wire is furnished in lengths that are multiples of one foot.

PART NUMBER	DESCRIPTION
30-0262-0-001	#14 Wire, purple
30-0262-0-002	#14 Wire, gray
30-0262-0-003	#14 Wire, pink
30-0262-0-004	#14 Wire, black
30-0262-0-005	#14 Wire, blue
30-0262-0-006	#14 Wire, brown
30-0262-0-007	#14 Wire, green
30-0262-0-008	#14 Wire, orange
30-0262-0-009	#14 Wire, red
30-0262-0-010	#14 Wire, white
30-0262-0-011	#14 Wire, yellow
30-0262-0-012	#16 Wire, red
30-0262-0-013	#16 Wire, yellow
30-0262-0-014	#16 Wire, green
30-0262-0-015	#16 Wire, black
30-0262-0-016	#16 Wire, white
30-0262-0-017	#18 Wire, blue
30-0262-0-018	#18 Wire, purple
30-0262-0-019	#18 Wire, black
30-0262-0-020	#18 Wire, white
30-0262-0-021	#18 Wire, orange
30-0262-0-022	#18 Wire, green
30-0262-0-023	#18 Wire, red
30-0262-0-024	#18 Wire, brown
30-0262-0-025	#18 Wire, pink

30-0262-0-026
30-0262-0-027
30-0262-0-032
30-0262-0-033
30-0262-0-034

30-0262-0-035
30-0262-0-036
30-0262-0-037
30-0262-0-038
30-0262-0-039

30-0262-0-040
30-0262-0-041
30-0262-0-042
30-0262-0-043
30-0262-0-044

30-0262-0-045
30-0262-0-046
30-0262-0-047
30-0262-0-048
30-0262-0-049

30-0262-0-050
30-0262-0-051
30-0262-0-052
30-0262-0-053
30-0262-0-054

30-0262-0-055
30-0262-0-056
30-0262-0-057
30-0262-0-058

#18 Wire, gray
#18 Wire, yellow
#16 Wire, orange
#16 Wire, blue
#16 Wire, pink

#16 Wire, brown
#16 Wire, gray
#16 Wire, red/yellow
#16 Wire, black/yellow
#16 Wire, white/yellow

#22 Wire, green
#18 Wire, white/green
#18 Wire, white/red
#18 Wire, white/blue
#18 Wire, white/black

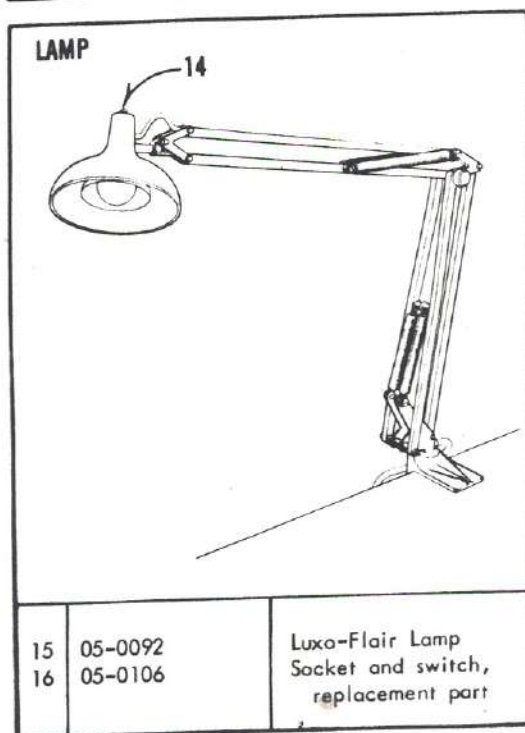
#18 Wire, yellow/green
#18 Wire, yellow/red
#18 Wire, yellow/blue
#18 Wire, yellow/black
#18 Wire, white/brown

#18 Wire, yellow/brown
#18 Wire, brown/white
#18 Wire, red/white
#18 Wire, blue/white
#18 Wire, black/white

#18 Wire, brown/yellow
#18 Wire, red/yellow
#18 Wire, blue/yellow
#18 Wire, black/yellow

DET.	PART NUMBER	DESCRIPTION
1	30-0478-0-750 ●	Sleeving, 3/4"
2	40-0586 ●	1/4" Spirap
3	40-0594 ●	5/8" Autoflex
4	40-0766 ●	3/8" Sponge Rubber
5	40-0825 ●	1/4" Plastic Tubing
6	40-0826 ●	3/8" Plastic Tubing
7	42-0931 ●	Vinyl Tape
8	40-0762 ●	Pad, self-adhesive
● Materials are furnished in lengths that are multiples of one foot.		

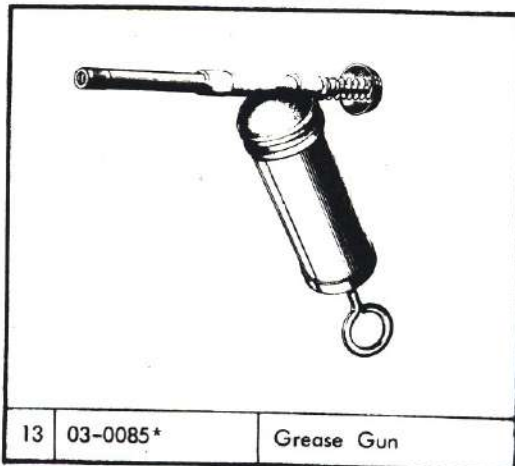
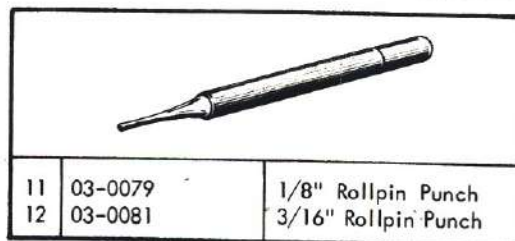
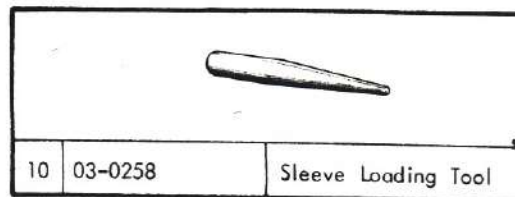
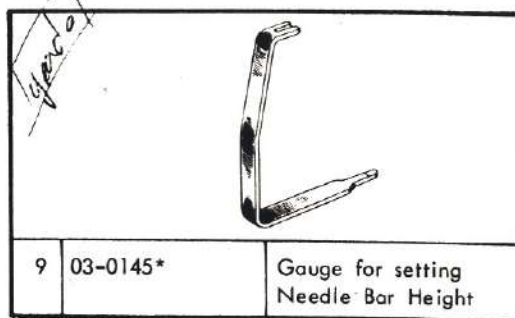
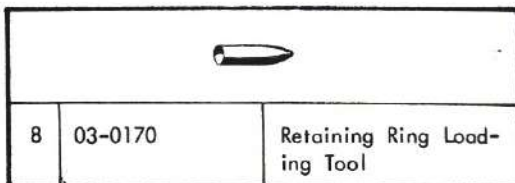
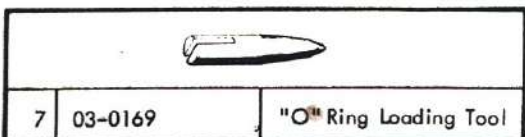
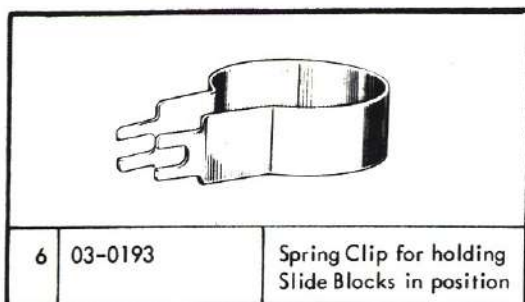
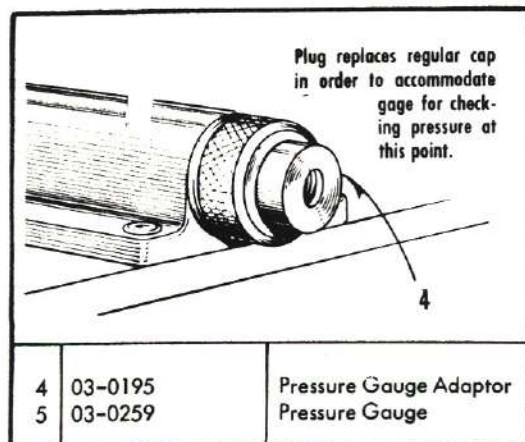
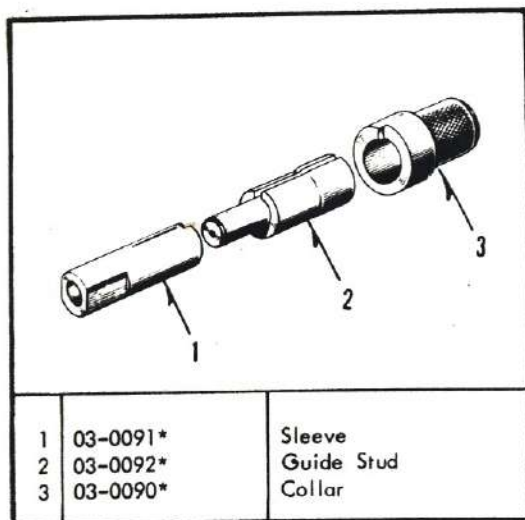
9	03-0022*	Oiler Lubricating Oil, 8 oz. (Texaco Cepheus "D") Rubber Cement, 5 oz. Clutch Grease 4-1/2 oz. "Loc e" Cement Hydraulic Oil (MIL-H-5606-A)
10	05-0090*	
11	05-0091	
12	05-0140*	
13	05-0192	
14	05-0397	



HELI-COILS		Tap Size	Drill Size	Use Insert Mandrel
17	01-7432	4-40	32	03-0155
18	01-7443 ▲	4-40	32	03-0155
19	01-7440	8-32	18	03-0157
20	01-7441	8-32	18	03-0157
21	01-7417	10-24	8	03-0158
22	01-7419	10-24	8	03-0158
23	01-7430	10-24	8	03-0158
24	01-7446	10-24	8	03-0158
25	01-7418	1/4"-20	G	03-0159
26	01-7420	1/4"-20	G	03-0159
27	01-7431	1/4"-20	G	03-0159
28	03-0164	Inserting and Extracting Tool		
▲ Screw locking Heli-Coil				

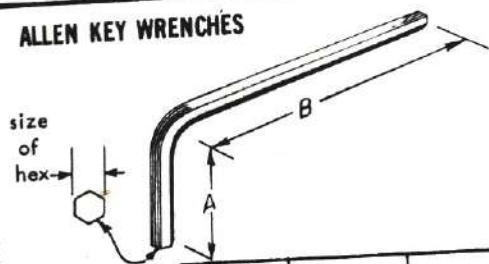
STEEL INSERTS					
		Tap Size	A Drill Size	B Pilot	C Counter Bore
29	01-7452	10-24	1/4"	1/4"	3/8"
30	01-7461	8-32	1/4"	1/4"	3/8"
31	01-7460	6-32	#7	.200	21/64"
32	01-7459	4-40	#7	.200	21/64"

Only those items marked with an asterisk () are supplied initially with each machine. To order a complete set of tools marked with an asterisk (*), specify 03-0173.



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ALLEN KEY WRENCHES



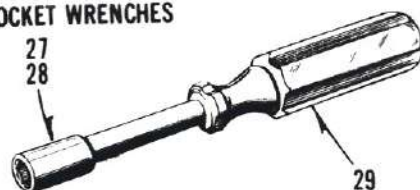
		SIZE OF HEX	A	B
1	03-0054*	3/32"	21/32"	2"
2	03-0055*	.050	9/16"	1-3/4"
3	03-0056*	1/16"	9/16"	1-3/4"
4	03-0057	5/64"	3/8"	1-7/8"
5	03-0059*	1/8"	1/2"	2-1/4"
6	03-0061*	5/32"	27/32"	2-1/2"
7	03-0063*	3/16"	15/16"	2-3/4"
8	03-0065*	7/32"	1-1/32"	3"
9	03-0066*	5/16"	1-1/4"	3-3/4"
10	03-0067*	3/8"	1-3/8"	4-1/4"
11	03-0162*	5/64"	5/8"	1-7/8"
12	03-0176	3/32"	3/8"	2"
13	03-0177	7/64"	45/64"	2-1/8"
14	03-0180	9/64"	51/64"	2-3/8"
15	03-0181	9/64"	1/2"	2-3/8"
16	03-0183	1/4"	1-1/8"	3-1/4"

HANDI-SET ALLEN KEY WRENCHES



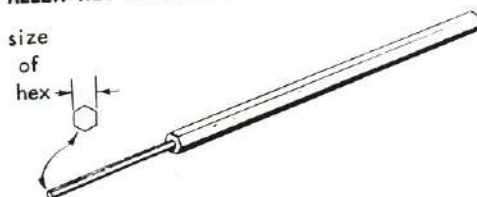
23	03-0105*	5/64" Wrench, complete
24	03-0161	3/32" Wrench, complete
25	03-0175*	.050" Wrench, complete
26	03-0179	7/64" Wrench, complete

SOCKET WRENCHES



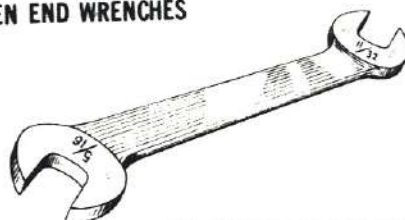
27	03-0097	3/8" Socket
28	03-0133	1/4" Socket
29	03-0096	Wrench Handle

ALLEN KEY WRENCH EXTENSIONS



		Size of Hex Head
17	03-0098	3/16"
18	03-0099	5/32"
19	03-0100	1/8"
20	03-0101	3/32"
21	03-0178	7/64"
22	03-0182	9/64"

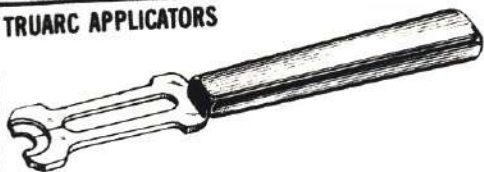
OPEN END WRENCHES



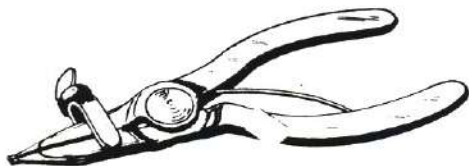
		Size of Openings
30	03-0019*	1/4" & 1/4" (boxed)
31	03-0068*	5/16" & 11/32"
32	03-0072	9/16" & 5/8"
33	03-0086	11/16" & 3/4"
34	03-0106	5/16" & 3/8"
35	03-0107	7/16" & 1/2"

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TRUARC APPLICATORS



1	03-0139	Use for 5/16" Truarc
2	03-0140	Use for 1/4" Truarc
3	03-0141	Use for 3/16" Truarc
4	03-0142	Use for 5/32" Truarc
5	03-0143	Use for 1/8" Truarc
6	03-0144	Use for 3/32" Truarc
7	03-0163	Use for 3/16" Truarc (Heavy Duty)



8	03-0074	Truarc Pliers
9	03-0263	Truarc Pliers (Offset)



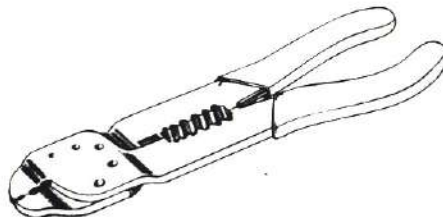
10	03-0071*	Truarc Pliers
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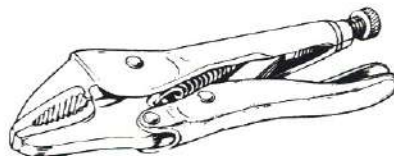
11	03-0123	Ignition Pliers
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12	03-0137	Long Nose Pliers
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13	03-0148	Crimping & Stripping Pliers
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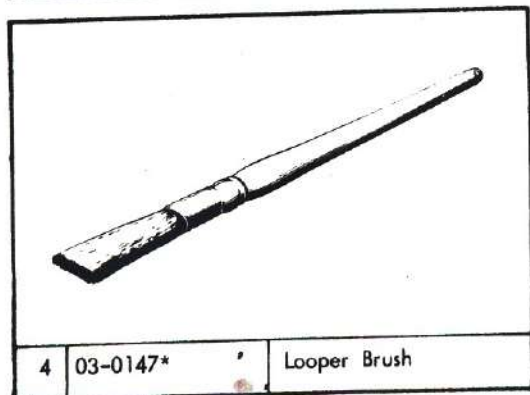
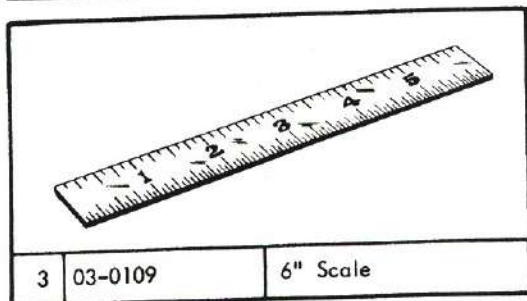
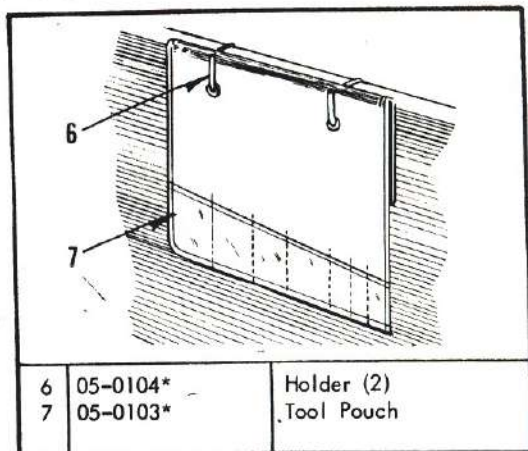
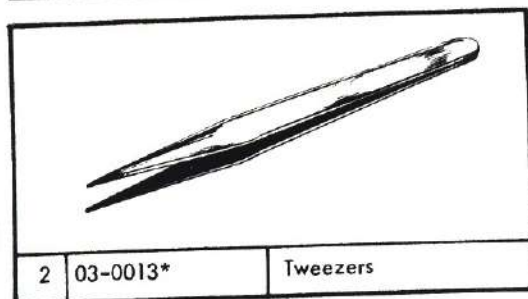
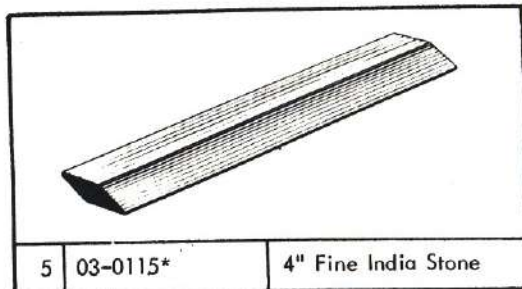
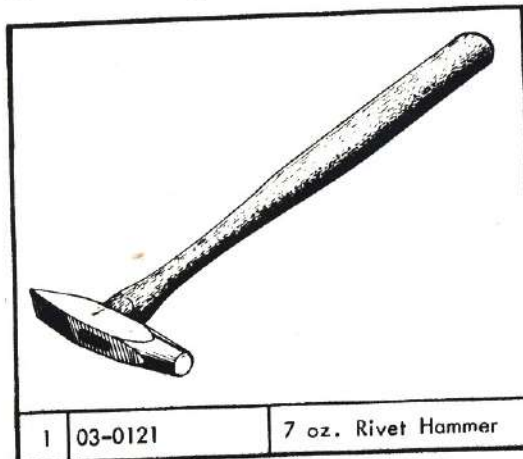
14	03-0149	Vise Grip Wrench
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SCREWDRIVERS



		A	B
15	03-0076*	1/8"	3"
16	03-0190	3/16"	3"
17	03-0083	3/16"	10"
18	03-0187	5/16"	8"
19	03-0117	1/4"	2-1/4"
20	03-0174	(with Screw Holding Feature) 3/16"	6"
		(with Screw Holding Feature)	

Only those items marked with an asterisk () are supplied initially with each
 1. The following complete set of tools marked with an asterisk (*) consists of 03-0173



Only those items marked with an asterisk () are supplied initially with each machine. To order a complete set of tools marked with an asterisk (*), specify 03-0173.

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PART NUMBER	PAGE	DETAIL
01-1000		
01-1410	3	30
01-1418	27	38
01-1419	27	27
01-1420	2	13
01-1422	23	12
01-1423	2	16
01-1433	3	42
01-1436	34	26
01-1440	5	54
01-1443	13	25
01-1444	32	12
01-1460	38	30
01-1466	40	15
01-1467	49	3
01-1470	46	10
01-1471	46	26
01-1471	47	6
01-1472	46	13
01-1473	47	28
01-1474	47	33
01-1475	2	6
01-1476	43	51

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01-2083	40	30
01-2111	3	50
01-2189	3	56
01-2195	55	41
01-2369	56	26
01-2401	2	10
01-2402	7	4
01-2402	14	21
01-2404	18	8
01-2404	28	27
01-2406	4	17
01-2407	9	4
01-2407	18	11
01-2407	28	12
01-2407	32	19
01-2408	11	26
01-2408	48	13
01-2409	30	10
01-2410	38	31
01-2410	40	25
01-2411	2	23
01-2411	4	9
01-2411	12	23
01-2411	13	20
01-2411	15	2
01-2411	18	30
01-2411	20	3
01-2411	23	3
01-2411	30	9
01-2411	34	19
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PART NUMBER	PAGE	DETAIL
01-2411	43	71
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01-2412	13	2
01-2412	14	8
01-2412	55	58
01-2413	13	15
01-2413	17	9
01-2413	28	5
01-2413	29	36
01-2413	32	22
01-2413	34	5
01-2413	49	17
01-2415	14	5
01-2415	28	11
01-2416	40	3
01-2416	55	39
01-2419	5	6
01-2419	5	40
01-2419	17	17
01-2420	17	19
01-2421	19	35
01-2421	22	5
01-2421	33	10
01-2422	19	36
01-2423	17	5
01-2424	9	2
01-2424	16	3
01-2425	6	21
01-2425	12	6
01-2425	18	2
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01-2425	31	8
01-2427	10	9
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01-2433	13	7
01-2433	15	7
01-2433	19	50
01-2433	34	17
01-2433	49	18
01-2434	13	4
01-2435	17	26
01-2436	30	16
01-2436	40	28
01-2436	41	27
01-2437	13	17
01-2437	14	20
01-2437	37	5
01-2438	21	12
01-2438	31	10
01-2442	48	23
01-2444	6	29
01-2446	15	10
01-2447	10	19
01-2447	12	14
01-2447	14	13
01-2447	32	21
01-2447	33	13
01-2448	4	7
01-2448	30	21
01-2448	32	25
01-2449	14	15
01-2449	38	5
01-2450	32	6
01-2450	34	12

PART NUMBER	PAGE	DETAIL
01-2450	55	54
01-2451	27	43
01-2451	49	30
01-2453	11	27
01-2453	48	2
01-2455	49	10
01-2456	12	21
01-2456	57	53
01-2460	38	9
01-2460	46	29
01-2460	47	9
01-2461	25	17
01-2461	27	13
01-2461	44	23
01-2469	9	7
01-2472	30	30
01-2472	35	18
01-2481	6	7
01-2481	17	1
01-2481	32	15
01-2481	34	25
01-2482	27	32
01-2482	55	59
01-2483	46	27
01-2483	47	7
01-2483	51	20
01-2484	7	12
01-2488	35	10
01-2490	32	8
01-2492	22	17
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01-2493	37	11
01-2493	42	20

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01-2506	4	21
01-2506	43	57
01-2515	7	7
01-2518	6	24
01-2518	16	3
01-2519	19	51
01-2519	34	8
01-2519	49	6
01-2521	48	20
01-2522	38	22
01-2523	25	23
01-2523	27	9
01-2530	34	15
01-2531	6	19
01-2531	30	24
01-2534	32	9
01-2536	27	19
01-2536	35	3
01-2536	38	1
01-2536	50	8
01-2538	3	57
01-2540	21	7
01-2542	15	18
01-2542	38	41
01-2545	3	39
01-2545	25	14
01-2545	35	6
01-2557	17	18
01-2557	34	33
01-2558	3	32
01-2559	48	9
01-2561	5	46
01-2561	7	9
01-2561	9	9

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01-3406	44	9
01-3406	47	29
01-3406	50	14
01-3406	56	5
01-3408	3	36
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01-3415	46	8
01-3415	55	51
01-3419	21	30
01-3419	22	24
01-3419	36	14
01-3419	51	32
01-3420	5	14
01-3420	57	37
01-3421	57	27
01-3424	12	10
01-3424	21	11
01-3424	31	1
01-3424	47	21
01-3426	28	3
01-3426	30	11
01-3426	40	17
01-3427	18	19
01-3434	28	25
01-3441	51	30

PART NUMBER	PAGE	DETAIL
01-3451	4	31
01-3462	46	17
01-3462	47	4
01-3463	48	19
01-3465	37	26
01-3467	40	11
01-3468	44	6
01-3470	47	11
01-4000		
01-4002	17	6
01-4003	6	22
01-4003	10	20
01-4003	13	18
01-4003	14	14
01-4003	15	9
01-4003	17	27
01-4003	18	3
01-4003	29	44
01-4003	30	20
01-4003	31	9
01-4003	32	4
01-4003	37	6
01-4003	42	19
01-4003	49	23

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01-4004	55	50
01-4005	3	43
01-4010	37	29
01-4011	10	16
01-4012	43	52
01-4015	16	4
01-4018	15	21
01-4029	2	15
01-4035	27	28
01-4063	46	9
01-4400	42	27
01-4400	50	16
01-4400	56	3
01-4401	54	24
01-4402	9	18
01-4404	13	19
01-4404	19	38
01-4404	35	4
01-4404	38	2
01-4405	5	7
01-4405	14	22
01-4405	29	40
01-4405	38	19
01-4405	54	25
01-4406	4	8
01-4406	13	16
01-4406	15	3
01-4406	20	4
01-4406	23	4
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01-4406	34	2
01-4407	4	25
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PART NUMBER	PAGE	DETAIL
01-2569	28	4
01-2569	54	2
01-2570	43	63
01-2573	51	54
01-2578	20	10
01-2579	55	67
01-2580	28	29
01-2581	5	13
01-2582	44	19
01-2583	36	3
01-2591	5	22
01-2591	32	27
01-2591	40	19
01-2592	40	22
01-2596	38	28
01-2597	25	6
01-2597	35	13
01-2602	15	26
01-2602	17	29
01-2604	34	3
01-2607	43	50
01-2611	34	31
01-2613	51	50
01-2614	51	19
01-2615	50	14
01-2616	36	23
01-2616	43	65
01-2628	5	37
01-2633	27	16
01-2633	35	11
01-2653	6	6
01-2654	43	42
01-2654	50	5
01-2655	16	3
01-2657	43	31
01-2659	44	5

PART NUMBER	PAGE	DETAIL
01-2667	25	3
01-2668	4	27
01-2672	38	17
01-2673	38	37
01-2674	38	38
01-2693	29	31
01-2700	32	18
01-2706	36	7
01-2708	54	23
01-2712	35	7
01-2713	30	5
01-2746	3	54
01-2748	29	39
01-2764	49	4
01-2768	41	26
01-2772	30	30
01-2783	38	18
01-2787	48	27
01-2793	42	6
01-2793	55	43
01-2793	56	2
01-2794	4	28
01-2797	57	54
01-2798	40	10
01-2801	42	16
01-2802	57	58
01-2803	54	33
01-2803	57	36
01-2804	39	49
01-2804	53	7
01-2858	6	30

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01-3000		
01-3001	36	5
01-3001	41	28
01-3008	37	28
01-3008	41	23
01-3009	55	42
01-3016	2	8
01-3016	7	18
01-3036	3	48
01-3400	7	14
01-3401	3	33
01-3401	5	39
01-3401	6	5
01-3401	12	17
01-3401	13	9
01-3401	15	4
01-3401	19	49
01-3401	34	9
01-3401	49	7
01-3402	14	6
01-3402	15	20
01-3402	27	31
01-3402	55	57
01-3404	13	3
01-3404	15	8
01-3404	27	33
01-3404	32	3
01-3404	37	7
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01-5401	5	19
01-5409	14	18
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01-5419	28	26
01-5425	23	13
01-5426	2	19
01-5436	20	2
01-5438	30	33
01-5441	10	14
01-5453	15	22
01-5454	5	23
01-5455	5	52
01-5458	13	23
01-5479	25	1
01-5480	25	2
01-5481	16	8
01-5486	29	30
01-5490	30	7
01-5493	40	16
01-5498	49	19
01-5499	49	21
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01-5521	13	21

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01-6406	19	37
01-6407	7	23
01-6407	9	13
01-6419	10	22
01-6420	38	33
01-6422	17	13
01-6423	14	2
01-6423	17	16
01-6424	19	42
01-6425	19	44
01-6430	2	28
01-6431	14	3
01-6432	14	9
01-6433	14	11
01-6434	14	10
01-6435	19	41
01-6452	2	26
01-6453	3	29
01-6454	7	24
01-6454	9	13
01-6454	30	18
01-6455	9	11
01-6456	13	11
01-6464	3	59

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01-6474	3	40
01-6474	28	21
01-6475	7	29
01-6475	18	21
01-6477	25	8
01-6477	27	11
01-6479	5	1
01-6480	5	16
01-6480	5	43
01-6482	18	24
01-6483	28	20
01-6489	27	36
01-6491	2	20
01-6492	2	18
01-6501	33	8
01-6503	18	22
01-6504	7	28
01-6519	16	6
01-6519	25	20
01-6521	28	2
01-6538	20	12
01-6539	20	7
01-6543	7	13
01-6543	9	6
01-6544	30	34
01-6545	5	21
01-6546	5	21
01-6547	23	17
01-6549	23	16
01-6550	23	14
01-6551	2	3
01-6551	4	5
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01-6551	15	17

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01-4407	40	29
01-4407	55	56
01-4409	10	2
01-4409	14	16
01-4409	21	8
01-4409	51	51
01-4410	14	1
01-4411	2	24
01-4411	5	38
01-4411	6	31
01-4411	12	18
01-4411	13	8
01-4411	15	5
01-4411	18	31
01-4411	29	32
01-4411	34	6
01-4411	40	23
01-4411	49	8
01-4412	4	22
01-4412	35	21
01-4412	55	55
01-4422	13	13
01-4422	38	10
01-4422	43	67
01-4422	46	28
01-4422	47	8
01-4422	50	15
01-4422	56	4
01-4424	3	44
01-4426	22	16
01-4428	22	13
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PART NUMBER	PAGE	DETAIL
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01-4438	31	7
01-4439	7	15
01-4439	42	7
01-4441	27	34
01-4442	32	7
01-4443	5	15
01-4446	3	31
01-4450	33	5
01-4450	38	24
01-4451	18	5
01-4451	31	6
01-4451	33	7
01-4451	47	25
01-4452	2	14
01-4452	43	55
01-4459	15	24
01-4470	30	14
01-4473	15	25
01-4480	12	5
01-4480	18	15
01-4480	31	3
01-4480	33	4
01-4480	47	23
01-4482	22	8
01-4484	27	25
01-4485	12	15
01-4487	5	55
01-4489	6	20
01-4489	27	17
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01-4491	13	22
01-4491	38	11
01-4493	38	14

PART NUMBER	PAGE	DETAIL
01-4494	25	4
01-4497	19	52
01-4500	36	26
01-4505	50	2
01-4506	51	43
01-4507	6	13
01-4507	38	23
01-4507	51	44
01-4508	51	28
01-4510	15	14
01-4511	34	16
01-4520	4	29
01-4524	21	21
01-4528	4	30
01-4528	35	14
01-4533	29	34
01-4534	29	35
01-4550	49	15
01-4559	43	64
01-4560	48	4
01-4561	48	5
01-4562	47	30
01-4563	31	22
01-4567	40	12
01-4568	40	13
01-4569	36	25
01-4570	54	34
01-4571	55	80
01-4571	57	59
01-4572	34	11
01-4572	39	50
01-4572	53	8
01-4573	31	22
01-4596	31	22

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02-0000		
02-0950 (all types)	7	10
02-0951 (all types)	7	10
02-0952 (all types)	7	10
02-0953 (all types)	7	10
02-0955 (all types)	7	10
02-0956 (all types)	7	10
02-0958 (all types)	7	10
03-0000		
03-0013	63	2
03-0019	61	30
03-0022	59	7
03-0054	61	1
03-0055	61	2
03-0056	61	3
03-0057	61	4
03-0059	61	5
03-0061	61	6
03-0063	61	7
03-0065	61	8
03-0066	61	9
03-0067	61	10
03-0068	61	31
03-0071	62	10

PART NUMBER	PAGE	DETAIL
03-0072	61	32
03-0074	62	8
03-0076	62	15
03-0079	60	11
03-0081	60	12
03-0083	62	17
03-0085	60	13
03-0086	61	33
03-0090	60	3
03-0091	60	1
03-0092	60	2
03-0096	61	29
03-0097	61	27
03-0098	61	17
03-0099	61	18
03-0100	61	19
03-0101	61	20
03-0105	61	23
03-0106	61	34
03-0107	61	35
03-0109	63	3
03-0115	63	5
03-0117	62	19
03-0121	63	1
03-0123	62	11
03-0133	61	28
03-0137	62	12
03-0139	62	1
03-0140	62	2
03-0141	62	3
03-0142	62	4
03-0143	62	5
03-0144	62	6
03-0145	60	9
03-0147	63	4
03-0148	62	13
03-0149	62	14
03-0161	61	24
03-0162	61	11
03-0163	62	7

PART NUMBER	PAGE	DETAIL
03-0164	59	28
03-0169	60	7
03-0170	60	8
03-0173	59	Note
03-0173	60	Note
03-0173	61	Note
03-0173	62	Note
03-0173	63	Note
03-0174	62	20
03-0175	61	25
03-0176	61	12
03-0177	61	13
03-0178	61	21
03-0179	61	26
03-0180	61	14
03-0181	61	15
03-0182	61	22
03-0183	61	16
03-0187	62	18
03-0190	62	16
03-0193	60	6
03-0195	51	Note
03-0195	60	4
03-0258	60	10
03-0259	60	5
03-0263	51	Note
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01-6552	4	20
01-6552	5	20
01-6555	31	19
01-6558	27	35
01-6561	27	26
01-6561	48	14
01-6562	5	21
01-6564	18	4
01-6565	20	16
01-6566	5	51
01-6567	5	57
01-6569	5	49
01-6583	51	45
01-6584	51	48
01-6585	51	37
01-6589	15	13
01-6591	5	21
01-6612	5	21
01-6614	5	21
01-6616	16	6
01-6621	6	18
01-6628	6	14
01-6629	6	17
01-6633	30	8
01-6652	33	14
01-6652	46	22
01-6655	46	24
01-6656	48	6
01-6657	3	62
01-6658	4	19
01-6659	4	23
01-6660	4	26
01-6662	3	63
01-6663	2	9
01-6678	43	32
01-6688	30	17
01-6703	11	35

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01-7000		
01-7407	19	43
01-7408	10	23
01-7409	10	5
01-7410	7	2
01-7411	10	11
01-7413	11	32
01-7417	59	21
01-7418	59	25
01-7419	31	Note
01-7419	32	Note
01-7419	59	22
01-7420	59	26
01-7430	10	Note
01-7430	10	21
01-7430	12	7
01-7430	12	Note
01-7430	59	23
01-7431	10	3
01-7431	10	Note
01-7431	14	Note
01-7431	59	27
01-7432	59	17
01-7434	16	4
01-7440	59	19
01-7441	32	Note
01-7441	59	20
01-7442	7	6
01-7443	2	Note
01-7443	59	18
01-7445	30	31
01-7446	3	Note
01-7446	59	24
01-7447	2	2
01-7447	4	4
01-7448	3	41

PART NUMBER	PAGE	DETAIL
01-7452	9	Note
01-7452	18	Note
01-7452	59	29
01-7454	20	11
01-7456	20	15
01-7458	38	15
01-7459	7	Note
01-7459	59	32
01-7460	20	Note
01-7460	59	31
01-7461	59	30
01-7465	51	39
01-7475	38	26
01-7482	30	6
01-7487	49	16
01-7489	37	10
01-7492	43	53
01-8000		
01-8400	11	28
01-8401	7	20
01-8403	51	35
01-8404	51	36

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04-0467	41	8
04-0467	41	Note
04-0467	42	23
04-0467	46	16
04-0467	47	3
04-0467	48	25
04-0467	49	11
04-0467	56	11
04-0467	57	39
04-0468	49	12
04-0472	55	78
04-0474	55	72
04-0475	55	74
04-0476	54	17
04-0477	54	28
04-0479	54	21
04-0480	54	15
04-0489	54	6
04-0490-0-005	43	41
04-0490-0-007	43	34
04-0490-0-007	44	22
04-0490-0-112	56	12
04-0490-0-022	44	20
04-0490-0-034	42	26
04-0490-0-039	43	43
04-0490-0-071	36	12
04-0490-0-073	40	9
04-0490-0-084	42	15
04-0490-0-145	42	24
04-0490-0-176	44	21
04-0490-0-192	43	37
04-0491	56	13
04-0492	43	39
04-0493	44	10
04-1002	57	33
04-1004	57	42

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04-1013-1	40	21
04-1014	54	31
04-1031	42	10
04-1052	37	1
04-1053	37	3
04-1055	57	38
04-1056	57	34
04-1057	54	30
04-1058	55	79
04-1061	43	49
04-1061	44	2
04-1062	44	3
04-1067	42	1
04-1068	42	25
04-1069	41	19
04-1069	43	35
04-1069	44	11
04-1070	42	14
04-1072	43	30
04-1073	42	29
04-1074	42	22
04-1083	37	25
04-1083	57	32
04-1086	42	21
04-1086	44	18
04-1089	44	15
04-1090	44	16
04-1091	43	36
04-1096	44	17
04-1098	42	18
04-1099	44	14
04-1100	43	38
04-1120	57	31
04-1123	34	1
04-1124	34	10
04-1173	57	50

PART NUMBER	PAGE	DETAIL
04-1208	55	64
04-1215	34	4
04-1223	34	35
04-1283	43	68
04-1301	38	20
04-1310	3	55
04-1311	3	53
04-1312	3	52
04-1322	55	68
04-2003	37	18
04-2004	37	24
05-0000		
05-0058	56	25
05-0087-0-440	51	52
05-0087-0-450	51	52
05-0088-0-350	56	7
05-0088-0-360	56	7
05-0090	59	18
05-0091	26	Not
05-0091	59	11
05-0092	59	18
05-0096	6	27
05-0103	63	
05-0104	63	
05-0106	59	
05-0140	59	
05-0192	10	

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04-0002-0-018	56	6
04-0002-0-019	56	6
04-0002-0-025	56	6
04-0002-0-116	56	6
04-0014	56	15
04-0043	43	66
04-0084	56	23
04-0127	56	20
04-0129	39	51
04-0135	57	47
04-0137	57	48
04-0139	57	49
04-0139-0-001	57	49
04-0141	56	18
04-0143	56	17
04-0143	57	44
04-0145	56	18
04-0236-0-050	55	61
04-0236-0-201	55	62
04-0237-0-509	55	76
04-0250	29	41
04-0255-0-223	55	52
04-0258-0-187	29	46
04-0258-0-187	38	16
04-0258-0-251	57	46
04-0261	38	46
04-0271	55	53
04-0272-2-050	55	45
04-0273	55	47
04-0285	38	43
04-0285-0-001	38	43
04-0294	47	18
04-0320-1-051	4	61
04-0320-1-052	4	59
04-0326-0-050	37	9
04-0327	55	60

PART NUMBER	PAGE	DETAIL
04-0342-0-005	29	37
04-0384	41	22
04-0386	41	13
04-0387	41	6
04-0388	36	13
04-0388	41	12
04-0388	57	40
04-0390-0-050	44	7
04-0391	41	17
04-0391	43	40
04-0391	44	8
04-0391	46	23
04-0391	47	31
04-0391	55	77
04-0392	41	25
04-0393	41	24
04-0395	49	28
04-0396	36	9
04-0396	37	15
04-0396	41	7
04-0396	41	Note
04-0396	46	15
04-0396	47	2
04-0396	48	26
04-0396	49	27
04-0396	56	10
04-0396	57	41
04-0397	40	7
04-0400	41	1
04-0401	41	21
04-0402	41	10
04-0403	42	9
04-0404-0-050	41	3
04-0405	41	2
04-0405	56	21
04-0406	41	15

PART NUMBER	PAGE	DETAIL
04-0407	41	14
04-0408	41	11
04-0408	56	9
04-0409	41	20
04-0409	44	12
04-0410	41	29
04-0412	42	2
04-0413	42	5
04-0416	42	13
04-0417	42	12
04-0418	42	11
04-0419	42	4
04-0422	41	5
04-0423	44	13
04-0424	41	18
04-0424	56	8
04-0440	42	3
04-0440	54	4
04-0441-0-050	41	4
04-0442	57	55
04-0443	46	14
04-0443	47	1
04-0449	43	70
04-0450	41	16
04-0451-1	43	69
04-0452	54	5
04-0453	54	9
04-0454	54	10
04-0455	54	14
04-0456	54	13
04-0457	54	12
04-0458	54	35
04-0459	54	11
04-0464	43	56
04-0465	55	44
04-0466	56	1
04-0467	36	10
04-0467	37	16

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05-0192	14	Note
05-0192	59	13
05-0357-1	51	Note
05-0360	3	34
05-0368-0-050	3	38
05-0369	39	56
05-0369	53	23
05-0369	57	30
05-0370	53	24
05-0372	12	25
05-0373	12	24
05-0381	6	25
05-0383-0-110	6	28
05-0394	39	55
05-0397	59	14
05-0421	51	56
05-0423-0-001	23	11
05-0423-0-002	23	7
05-0423-0-003	23	6
05-0423-0-004	23	5
05-0423-0-005	23	10
05-0423-0-006	23	9
05-0423-0-007	23	8
05-0450	6	26
05-0455	54	18

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10-0000		
10-1006	17	23
10-1077	17	21
10-1139	3	49
10-1140-2-850	3	51
20-0000		
20-0603	3	47
20-0623	10	7
20-6261	49	9
20-6263	49	22

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30-0000		
30-0007	7	32
30-0008	7	3
30-0009	7	5
30-0011	7	22
30-0011	39	57
30-0030-1	4	16
30-0032	2	25
30-0033	2	11
30-0038-1	3	35
30-0039-1	3	65
30-0064-0-001	9	15
30-0064-0-002	9	16
30-0112	17	12
30-0113	17	24
30-0114	17	7
30-0115	17	4
30-0118	17	15
30-0121	19	39
30-0122	19	40
30-0131	10	4
30-0133	11	36
30-0134	10	8
30-0138	57	29
30-0141-0-050	10	10
30-0142	10	12
30-0143-1	10	15
30-0144-1	10	18
30-0145-1	10	17
30-0146	10	13
30-0149	11	25
30-0160	14	19
30-0162	14	4
30-0163	14	12

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30-0168	14	23
30-0169	14	24
30-0174	13	1
30-0175	13	12
30-0180-1	12	13
30-0181	12	12
30-0194	18	16
30-0194	31	24
30-0194	33	3
30-0194	47	14
30-0218	12	8
30-0218	21	25
30-0226	12	3
30-0226	21	26
30-0226	51	34
30-0259	34	21
30-0261	39	53
30-0262-		
(all types)	58	Chart
30-0265	12	20
30-0265	13	6
30-0265	15	6
30-0278	39	48
30-0278	57	45
30-0280	15	15
30-0280-0-001	15	15
30-0291	12	22
30-0310	12	2
30-0342	50	3
30-0364	57	28
30-0386	17	8
30-0390	15	16
30-0390-0-001	15	16
30-0409-1	15	11
30-0478-0-625	55	63
30-0478-0-750	54	22
30-0478-0-750	59	1
30-0763	56	24

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31-0000		
31-0390	15	17
31-0390-0-001	15	17
31-0472	47	26
40-0000		
40-0005-		
(all types)	7	8
40-0010	7	26
40-0012-1-045	5	18
40-0035	2	4
40-0050	7	25
40-0051	30	29
40-0053	30	26
40-0054-		
(all types)	30	22
40-0057	9	10
40-0058	9	8
40-0059	9	5
40-0059	9	Note
40-0062	9	3
40-0069-		
(all types)	25	7
" "	26	3

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40-0070-0-001	28	14
40-0070-0-002	28	10
40-0070-0-071	28	14
40-0070-0-072	28	10
40-0072-		
(all types)	25	10
" "	26	4
40-0079	27	24
40-0085	27	23
40-0087	27	30
40-0089-		
(all types)	28	7
40-0090		
(all types)	25	19
" "	26	8
40-0094-		
(all types)	25	11
" "	26	7
40-0096-		
(all types)	25	22
" "	25	26
" "	26	6
" "	27	43
40-0103		
(all types)	7	11
40-0111	17	23
40-0113	17	27
40-0116	17	14
40-0117	17	20
40-0119	18	30
40-0125		
(all types)	16	
40-0126		
(all types)	16	
40-0127	16	
40-0150	10	
40-0151-0-050	11	
40-0154-0-050	9	
40-0154-0-050	11	

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40-0583	40	31
40-0586	23	1
40-0586	24	13
40-0586	31	27
40-0586	59	2
40-0593	7	17
40-0594	21	29
40-0594	22	20
40-0594	24	9
40-0594	24	11
40-0594	50	10
40-0594	59	3
40-0596	27	18
40-0598	51	17
40-0599	22	6
40-0600	22	10
40-0601	22	11
40-0602	22	12
40-0603	21	9
40-0603	22	14
40-0604	22	23
40-0606	22	15
40-0607	22	9
40-0608	21	20
40-0609	21	24
40-0610	13	10
40-0610	15	23
40-0613	27	20
40-0614	27	21
40-0618	5	56
40-0625	20	1
40-0638	21	23
40-0640	36	21
40-0640	40	2
40-0640	43	73
40-0648	30	12

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40-0650	54	37
40-0676	25	28
40-0676	27	10
40-0695	13	5
40-0700-0-151	25	5
40-0700-0-152	25	12
40-0700-2-100	25	21
40-0708	30	25
40-0716-0-050	25	24
40-0716-0-050	27	39
40-0716-0-051	25	24
40-0716-0-051	27	39
40-0717-0-375	25	25
40-0717-0-375	27	40
40-0717-0-500	25	25
40-0717-0-500	27	40
40-0718	51	22
40-0719	50	1
40-0720	51	18
40-0721	51	21
40-0722	50	9
40-0723	51	27
40-0724	51	47
40-0725	51	49
40-0726	51	38
40-0727	51	42
40-0728	51	41
40-0729	50	7
40-0730	51	25
40-0731	50	4
40-0732	51	40
40-0733-1-050	51	31
40-0734	51	24
40-0735	51	46
40-0736	51	Note
40-0737	51	23
40-0744	31	25
40-0759	5	53
40-0760-1	5	50
40-0762	28	8

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40-0762	59	8
40-0766	25	27
40-0766	59	4
40-0767-1-101	25	5
40-0767-1-102	25	12
40-0771	38	40
40-0772	38	29
40-0773	38	6
40-0774-1	35	5
40-0775-0-850	38	27
40-0776	38	44
40-0777	38	39
40-0780	6	4
40-0781	6	2
40-0782-1	6	10
40-0784-0-002	6	11
40-0784-0-004	6	11
40-0785	6	32
40-0786-1	6	12
40-0787	6	15
40-0788	6	9
40-0789-0-050	6	8
40-0790-1	6	23
40-0791	6	3
40-0797	16	7
40-0803-1	6	16
40-0808	29	45
40-0809	29	38
40-0811-2-001	4	62
40-0811-2-002	4	68
40-0816	36	19
40-0823	31	26

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40-0161	14	17
40-0165-1	30	32
40-0182-1	12	4
40-0184	12	11
40-0190	31	1
40-0191	31	5
40-0193	31	2
40-0203	31	21
40-0218-1	18	9
40-0218-1	21	15
40-0218-1	37	4
40-0218-1	47	19
40-0236	51	33
40-0249-1	18	14
40-0252	32	26
40-0252	33	1
40-0262-0-118	53	9
"	56	14
40-0262-0-133	53	10
40-0279	4	11
40-0308	18	18
40-0309	18	25
40-0310	18	26
40-0310-1	31	12
40-0310-1	37	13
40-0310-1	47	17
40-0332-0-001	27	42
40-0332-0-002	27	41
40-0347	51	53
40-0387	17	30
40-0388-		
(all types)	17	10
40-0412	30	28
40-0413	30	15
40-0414-1	30	23
40-0418-1-001	5	41
40-0418-1-002	5	42
40-0418-1-051	5	41

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40-0418-1-052	5	42
40-0420	5	17
40-0421	5	2
40-0422	5	5
40-0423	5	9
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