

**FIRST
EDITION**



Union Special
INDUSTRIAL SEWING EQUIPMENT

CATALOG NO. T119 L

STYLE

51000 G

LIST OF PARTS FOR STYLE 51000 G

Catalog No. T119 L

LIST OF PARTS

Style

51000 G

First Edition

Copyright 1960

By

Union Special Corporation
Rights Reserved in All Countries

UNION SPECIAL CORPORATION

INDUSTRIAL SEWING MACHINES

CHICAGO

Printed in U.S.A.

May, 1981

IDENTIFICATION OF MACHINES

Each UNION SPECIAL machine is identified by a Style number which is stamped into the name plate.

Machines similar in construction are designated by a Class number which contains no letters. Letters suffixed to the Class number indicate the individual standard machine Style. Letter "Z", however, is reserved as a suffix to the Standard Style identification to specify machine is of special construction.

APPLICATION OF CATALOG

This catalog applies specifically to the Standard Style of machine as listed herein. It can also be applied with discretion to some Special machines in this Class. References to direction such as right, left, front, back, etc., are given from the operator's position while seated at the machine.

IDENTIFYING PARTS

Where construction permits, each UNION SPECIAL part is stamped with its catalog number. A part too small for its complete catalog stamping is identified by a letter symbol which distinguishes it from another part similar in appearance.

Each part number represents the same part regardless of catalog in which it appears.

IMPORTANT! ON ALL ORDERS, PLEASE INCLUDE PART NAME AND STYLE OF MACHINE FOR WHICH PART IS ORDERED.

TERMS

Prices are strictly net cash and are subject to change without notice. All shipments are forwarded at the buyer's risk f.o.b. shipping point. Parcel Post shipments are insured unless otherwise directed. A charge is made to cover the postage and insurance.

NEEDLES

Each needle has both a type number and size number. The type number denotes the kind of shank, point, length, groove, finish, and other details. The size number, stamped on the needle shank, denotes the largest diameter of the blade, measured midway between the shank and the eye. Collectively, type number and size number represent the complete symbol.

Selection of proper needle size should be determined by the size of the thread used. Thread should pass freely through the needle eye in order to produce a good stitch formation.

NEEDLES (Continued)

To have needle orders promptly and accurately filled, forward a sample needle, the empty package, or description on label. A complete order would read as follows: "1000 Needles, Type 108 GHS, Size 110/044".

<u>Type No.</u>	<u>Description and Sizes</u>
108 GHS	Round shank, ball point, extra short, double groove, ball eye, spotted, struck groove, chromium plated - Sizes 070/027, 075/029, 080/032, 090/036, 100/040, 110/044, 125/049.

Standard needle for Style 51000 G is Type 108 GHS, Size 110/044.

OILING

The oil has been drained from the machine before shipping, and the reservoir must be filled before beginning to operate. Use a straight mineral oil with a Saybolt viscosity of 90 to 125 seconds at 100° Fahrenheit.

Oil is filled at the spring cap on the top cover, left hand side, and the oil level is checked at the sight gauge, on the lower left hand corner, on front of the machine. The oil level should be maintained between the red lines on the gauge. Capacity of the reservoir is twelve ounces.

Machine is automatically lubricated and no oiling other than keeping the main reservoir filled is necessary.

A daily check before the morning start should be made. Add oil if required to maintain suggested level.

Oil which has passed through the machine is filtered and pumped back into the main reservoir making too frequent oiling unnecessary.

Excessive oil in the main reservoir may be drained at the plug screw, in the main frame, directly under the handwheel.

DESCRIPTION OF MACHINES

Taupe Finish, Left Hand, Single Needle, Low Throw, Flat Bed Machine. 5/8 Inch Loop-er Travel, Light Weight Presser Bar and Needle Bar Drive, Oil Return Pump and Siphon Assembly.

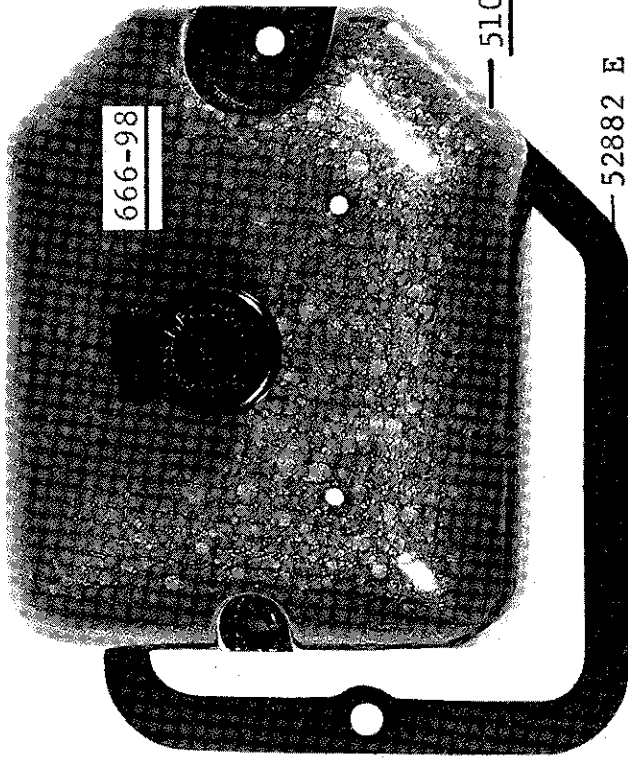
51000 G For miscellaneous light weight seaming and hemming. Can also be used in conjunction with a right hand machine for simultaneously hemming both sides of towels, handkerchiefs, sheets, light weight bags and similar articles using customer's attachments. Seam Specification 401-SSa-1. Stitch range 10 to 16 per inch.

The following is a numerical list of the parts used in this machine. Quantities, part numbers, and descriptions are given. Following the parts list are photographs of some of the major parts.

Amt.	Part No.	Description	Amt.	Part No.	Description	Amt.	Part No.	Description
1	8	Feed Rocker Shaft	2	6042 A	Washer for 51035 A	1	22852 A	Screw for 51042 B
3	18	Nut for 57840,	1	11638 M	Nut for 51093 E	1	22863	Adjusting Screw for
		51041 E, 55244 G	1	12538	Nut for 51041 G			56334 E
2	20	Washer for 539,	1	12982	Lock Nut for 81	1	22883 A	Plug Screw for lpr.
		51236 G	1	15465 F	Looper Rocker Cone			drive shaft hole
2	25	Screw for 51003 G			(88)	4	22894 C	Set Screw for lpr.
1	27-435		1	21210 A	Looper Collar			drive eccentric
	Blk.	Washer for 51258 A	1	21212	Oil Siphon Conn.	1	22894 D	Spot Screw for lpr.
2	28	Screw for 52804 A			Locking Ring for			drive eccentric
2	50-216				51294 Z	2	22894 D	Spot Screw for
	Blk.	Pin for 51057 G	1	21657 E	Washer for 51057 G			29476 DV, DX
1	50-458		1	21657 Z	Tension Release	2	22894 F	Set Screw for 51221 C
	Blk.	Pin for 56341 G			Shaft Bushing	1	22894 H	Screw for 51042 C
2	52 A	Frame Thread	2	22503 F	Screw for bed	1	22894 J	Set Screw for 51247
		Eyelet (98 A)	3	22513	Screw for 35731 A	1	29066 R	Needle Lever Ball
1	56	Needle Clamp Nut	1	22513	Screw for 51070 G			Joint, upper
1	73	Screw for looper	1	22519 H	Screw for 51244 B			(22559 G)
1	77	Screw for 51054	7	22524	Screw for 51082 C	1	29105 AA	Looper Drive
2	77	Screw for 51034,	1	22528	Screw for 51005 G			Eccentric Assembly
		51035 A	1	22528	Screw for 51057 G	1	29192 J	Looper Rocker
2	80	Screw for 51001 G	1	22539	Screw for 51001 G			Assembly
1	81	Screw for 51042 B	1	22539 A	Plug Screw for bed	1	29348 W	Needle Lever
1	82	Stitch Regulating Screw	1	22557	Screw for 51083			Assembly
2	88	Screw for 15465 F	2	22559 A	Bearing Cap Screw	1	29476 DV	Looper Avoid
8	90	Screw for 51082 P			for 29105 AA, lower			Eccentric Assembly
3	90	Screw for 52894 AB	2	22559 B	Bearing Cap Screw			(22894 D)
1	91	Screw for 51030 G			for 29105 AA, upper	1	29476 DX	Feed Lift Eccentric
2	95	Screw for 51147	2	22559 G	Screw for 29066 R			Assembly (22894 D)
1	96	Spot Screw for	1	22560 B	Screw for feed bar	1	29476 KG	Crankshaft Assembly
		51723 A			shaft	6	35178 D	Spring for 666-65,
1	96	Screw for 51044	2	22560 B	Screw for 51051			666-114
2	97 A	Screw for 51041 G	2	22560 B	Screw for 51493 BP	2	35731 A	Presser Bar Guide
1	98	Screw for 482	1	22562 A	Screw for 51154 G			Plate (22513, 22729 D)
1	98	Screw for 51044	1	22564	Screw for 51054	3	35772 H	Washer for 51081 H
2	98 A	Screw for 52 A	3	22569 B	Screw for 51493 AG	1	35853 V	Pin for 51041 G
4	109	Tension Disc	3	22569 B	Screw for main shaft	2	41071 G	Nut for 51294 P
2	187 A	Screw for 51082 L			housing	2	41394 A	Gasket for 22733 B
1	258	Nut for 56334 E	2	22570	Screw for 51024 G	1	43232 R	Spring Washer for
1	258 A	Lock Nut for 51745	18	22571 A	Plug Screw for bed			51083
2	269	Nut for 57840,	1	22571 B	Plug Screw	1	51001 G	Cloth Plate
		51236 G	1	22580 D	Set Screw for 51723 A			(80, 22807, 22839)
2	402	Screw for 51051,	2	22585 A	Screw for 51082 C	1	51003 G	Edge Guide (25)
		51083	1	22585 B	Screw for 51025 A	1	51005 G	Feed Dog (22528)
2	482	Collar for 8 (98)	1	22586 R	Screw for 51250 E	1	51008 G	Looper (73, 21210 A)
2	531	Screw for 51493 BQ	1	22706 A	Plug Screw for bed	1	51013	Looper Rocker
1	538	Feed Dog Height	1	22729	Screw for 51243 C			marked "L"
		Adjusting Screw	1	22729 A	Screw for 51294 P	1	51015 G	Needle Lever for
1	539	Needle Thd. Eyelet	1	22729 B	Screw for 51294 K			29348 W
		(20, 22848)	2	22729 C	Screw for 51041 E	1	51020 G	Presser Foot
1	604	Screw for 51030 K	2	22729 C	Screw for 51041 G			Assembly
1	643-127		1	22729 D	Screw for 35731 A	1	51022 G	Main Shaft
	Blk.	Pump Housing	1	22733 B	Plug Screw for	1	51024 G	Throat Plate (22570)
		Gasket			51082 K (41394 A)	1	51025 A	Needle Guard
1	660-169	Needle Bearing for	2	22737	Screw for 51082 D			(22585 B, 22801)
		51236 E	3	22760 A	Screw for 51081 H	1	51030 G	Shank for 51020 G (91)
1	660-196	Needle Bearing for	2	22768	Screw for 51236 B	1	51030 H	Presser Foot
		51145 A	2	22768	Screw for 56358,			Bottom (22799 G)
1	660-202	"O" Ring for 51221 C			56358 A	1	51030 J	Yielding Section for
2	660-212	Oil Seal Ring for	1	22768	Screw for 51244 B			51020 G
		51250 E, (22586 R)	1	22799 G	Hinge Screw for	1	51030 K	Spring for 51020 G
2	660-310	Retaining Ring for			51030 H			(604)
		35853 V	1	22801	Stud Screw for	1	51034	Feed Bar
2	666-65	Oil Wick for looper			51025 A			(77, 258, 538,
		rock shaft	1	22807	Screw for 51001 G			22560 B, 22863)
1	666-97	Oil Sight Gauge	1	22811 B	Screw for 51042 C	1	51035	Feed Rocker (92127)
1	666-98	Oil Cup for 51082 N	1	22829	Screw for 15465 F,	1	51035 A	Feed Rocker Arm
2	666-111	Oil Wick for feed			51745			(77, 6042 A,
		rock shaft	1	22834	Needle Guard			55235 D, 55235 E)
4	666-114	Oil Wick for main			Adjusting Screw	1	51041 E	Looper Connecting
		shaft	1	22837	Screw for 51082 M			Rod Ball Joint,
1	666-170	Oil Wick for 51250 E	1	22839	Screw for 51001 G			right (18, 97 A)
2	666-179	Wedge Pin for 666-111	3	22839	Screw for 51080	1	51041 G	Looper Connecting
1	666-201	Felt Plug for 51294 U	1	22840	Eyelet Adapter Screw			Rod and Ball Joint
1	666-209	Felt Disc for 51294 U	1	22845 B	Screw for 51081 H			Assembly, left
1	666-214	Felt Lint Tube for	1	22848	Screw for 539			(12538, 22729 C)
		51294 M	8	22848	Screw for 51082 K	1	51042 A	Looper Drive
2	719	Screw for 51250 E	2	22849	Screw for 51082 N			Lever Shaft

Amt.	Part No.	Description	Amt.	Part No.	Description	Amt.	Part No.	Description
1	51042 B	Looper Drive Lever Rocker (81, 12982, 22852 A, 51242 M, 52841 G, 52841 H)	2	51192 B	Tension Post Ferrule	1	51294 U	Oil Siphon Assembly
1	51042 C	Looper Drive Lever (22811 B, 22894 H)	2	51216 G	Needle Lever Connection Rod	1	51294 Z	Oil Tube Connection for head oil siphon
1	51044	Looper Rocker Frame (96, 98)	1	51216 J	Needle Lever Conn. Rod Bearing, lower	1	51306	Feed Lift Eccentric, .072 inch throw, for 29476 DX (22894 D)
1	51044 A	Looper Rocker Shaft	28	51216 M	Needle Bearing Roller for 29476 KG	1	51406	Looper Avoid Ecc., .062 inch throw, for 29476 DV (22894 D)
1	51051	Presser Bar Conn. (402, 22560 B)	1	51216 N	Washer for 29066 R	2	51491 C	Lead-in Eyelet
1	51051 C	Presser Bar Bushing, lower	1	51216 N	Washer for 55244 G	1	51493 D	Pump Driving Shaft
2	51054	Needle Lever Link Pin (77, 22564)	1	51216 P	Nut, left thread, for 29066 R	2	51493 E	Shaft Driving Gear
1	51054	Feed Crank Link Pin (77)	1	51217 C	Needle Bar (56)	1	51493 AG	Pump Housing (22569 B)
1	51057 G	Cast-off Plate Support (21657 E, 22528)	1	51221 C	Pulley (22894 F)	1	51493 AH	Pump Housing Cover (22569 B)
1	51070 G	Pull-up Wire (22513)	1	51225 W	Washer for 22585 B	1	51493 BK	Lint Filter Screen
1	51080	Throat Plate Support (22839)	2	51236 A	Link Pin for 29476 DV, DX (77)	1	51493 BP	Oil Pump Driving Gear (22560 B)
1	51081 G- 207	Cloth Plate Cover	1	51236 B	Feed Crank Stud Cap (22768)	1	51493 BQ	Oil Pump Driven Gear (531)
1	51081 H	Cloth Plate Cover Spring (22760 A, 22845 B, 35772 H)	1	51236 D	Feed Crank Link	1	51723 A	Take-up (96, 22580 D)
1	51082 C	Oil Reservoir Top Cover (22524, 22585 A)	1	51236 E	Feed Crank Link Assembly (660-169)	1	51745	Looper Rocker Cone Stud (258 A, 22829)
1	51082 D	Drip Plate for 51082 C (22737)	2	51236 F	Ferrule for 51236 E	1	52804 A	Cast-off Plate (28)
1	51082 K	Oil Reservoir Back Cover (22733 B, 22848)	1	51236 G	Feed Crank Stud (20, 269, 82)	1	52841 G	Locking Stud for 51042 B
1	51082 L	Oil Drip Plate (187 A)	1	51242 L	Thrust Washer for 51042 B	1	52841 J	Nut for 52841 G
1	51082 M	Head Cover (22837)	1	51242 M	Washer for 51042 B (52841 G)	1	52882 E	Top Cover Gasket
1	51082 N	Top Cover (22849)	1	51242 R	Looper Drive Shaft Bushing, center	1	52889	Presser Bar Bushing, upper
2	51082 P	Chamber Cover	1	51242 S	Looper Drive Shaft Bushing, rear	2	52890 C	Main Shaft Bushing, right and middle
1	51083	Hand Lift Lever (402, 22557, 43232 R)	1	51242 Z	Looper Drive Shaft Bushing, front	1	52891 B	Main Shaft Housing and Bushing (22569 B, 56390 E)
1	51093 E	Feed Crank Oil Tube (11638 M)	1	51243 C	Ball Stud Fork (22729)	3	52894 AB	Oil Tube Holder (90)
1	51094 G	Feed Lift Ecc. Oil Tube	1	51244 B	Looper Rocker Shaft Arm (22519 H, 22768)	2	52936	Feed Rocker Shaft Bushing
1	51094 H	Oil Tube Assembly	2	51244 L	Thrust Washer for 51044 A	1	52944 T	Looper Rocker Shaft Bushing, right
1	51134 C	Feed Bar Shaft	1	51244 N	Looper Rocker Shaft Collar (18, 51216 N, 55244 G)	1	52944 U	Looper Rocker Shaft Bushing, left
1	51134 J	Washer for 56334 E	1	51246	Looper Rocker Stud Nut	1	52994 L	Looper Avoid Ecc. Oil Tube
1	51134 P	Lubricating Felt for feed rocker shaft	1	51247	Main Shaft Counter- weight (22894 J)	2	55235 D	Screw for 51035 A
1	51134 R	Lubricating Felt Guard	1	51250 D	Washer for 51250 E	2	55235 E	Nut for 51035 A
1	51145 A	Eccentric Link Assembly for 29476 DV, DX	1	51250 E	Needle Lever Stud (666-170, 719)	1	55244 G	Looper Rock Shaft Collar Lock Stud (18, 51216 N)
1	51147	Main Shaft Thrust Collar (95)	1	51250 F	Gasket for 51250 E	1	56334 L	Feed Dog Holder (258, 22863)
1	51150	Needle Lever Thrust Collar	1	51257 K	Presser Bar	1	56341 G	Spring for 51041 G
1	51154 C	Needle Bar Bushing, upper	1	51282 M	Oil Reservoir Top Cover Gasket	1	56354 A	Needle Bar Connection Link for 29348 W
1	51154 D	Needle Bar Bushing, lower	2	51282 S	Oil Reservoir Back Cover Gasket	1	56356	Presser Spring Regulator
1	51154 G	Needle Bar Conn. (22562 A)	1	51282 U	Chamber Cov. Gasket	1	56358	Needle Bar Thread Eyelet (22768)
1	51170 C	Pull-off Wire Support (22513, 51170 D)	1	51290 T	Main Shaft Bushing, inner left	1	56358 A	Ndl. Lever Thread Eyelet (22768)
1	51170 D	Nut for 51170 C	2	51292	Tension Post	1	56390 E	Gasket for 52891 B
			2	51292 C	Tension Nut	1	57840	Lpr. Conn. Rod (18, 269)
			2	51292 D	Tension Eyelet	1	61256	Presser Spring
			1	51292 F-2	Tension Spr. (lpr.)	2	92127	Screw for 51035
			1	51292 F-8	Tension Spr. (ndl.)			
			1	51294 K	Upper Clamp for 51294 S (22729 B)			
			1	51294 M	Oil Tube			
			1	51294 P	Oil Tube Clamp for head oil siphon (22729, 41071 G)			

NOTE: Numbers in parentheses following parts description indicate the screws, nuts, etc., used to attach or hold these parts.



666-98

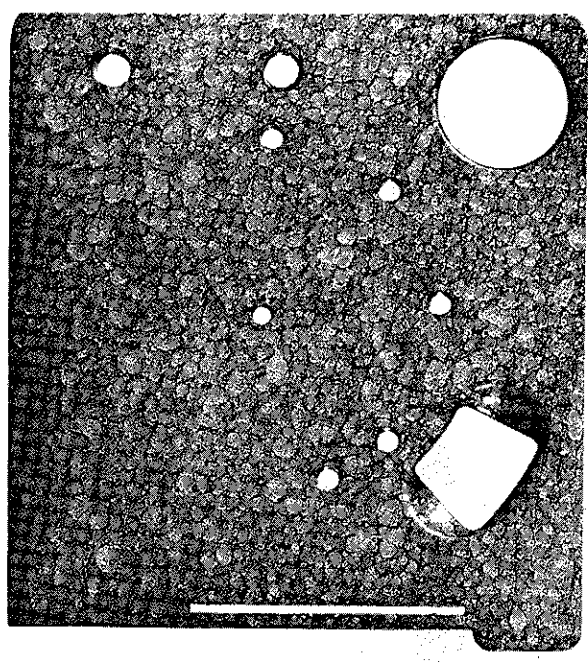
51082 N

52882 E

187 A (2)

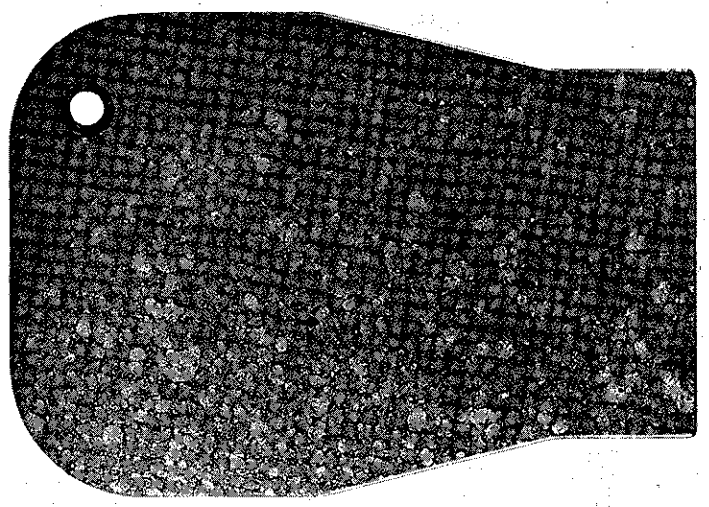
51082 L

22849



51081 G-207

51082 M

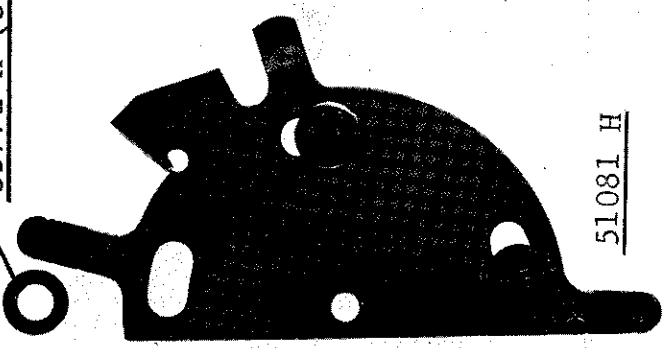


22837

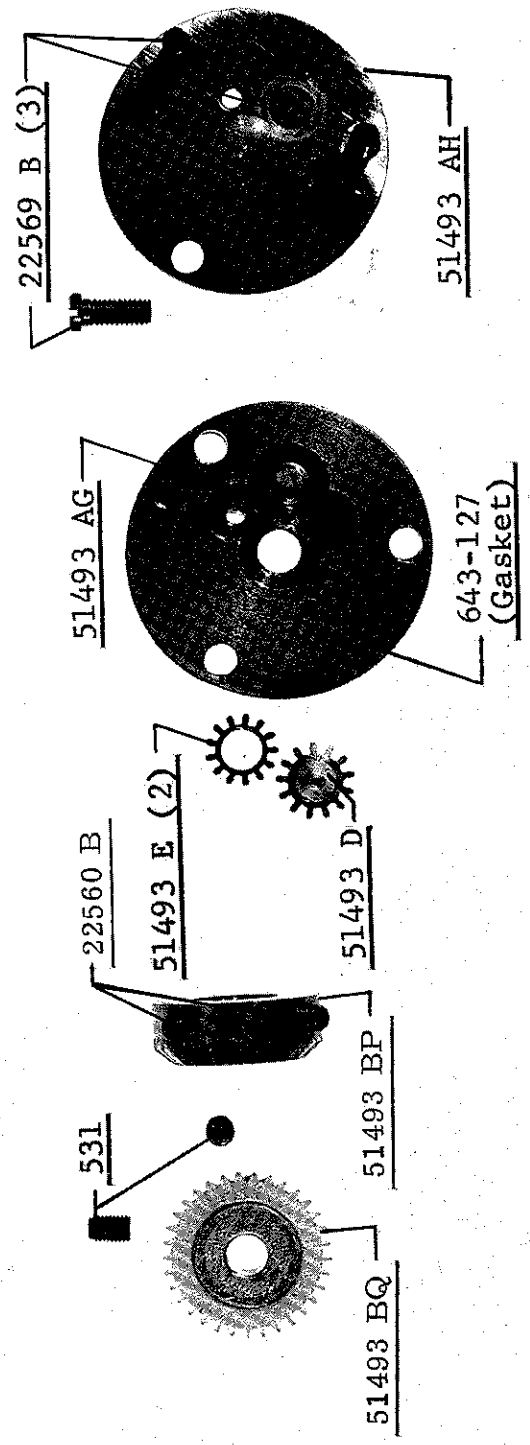
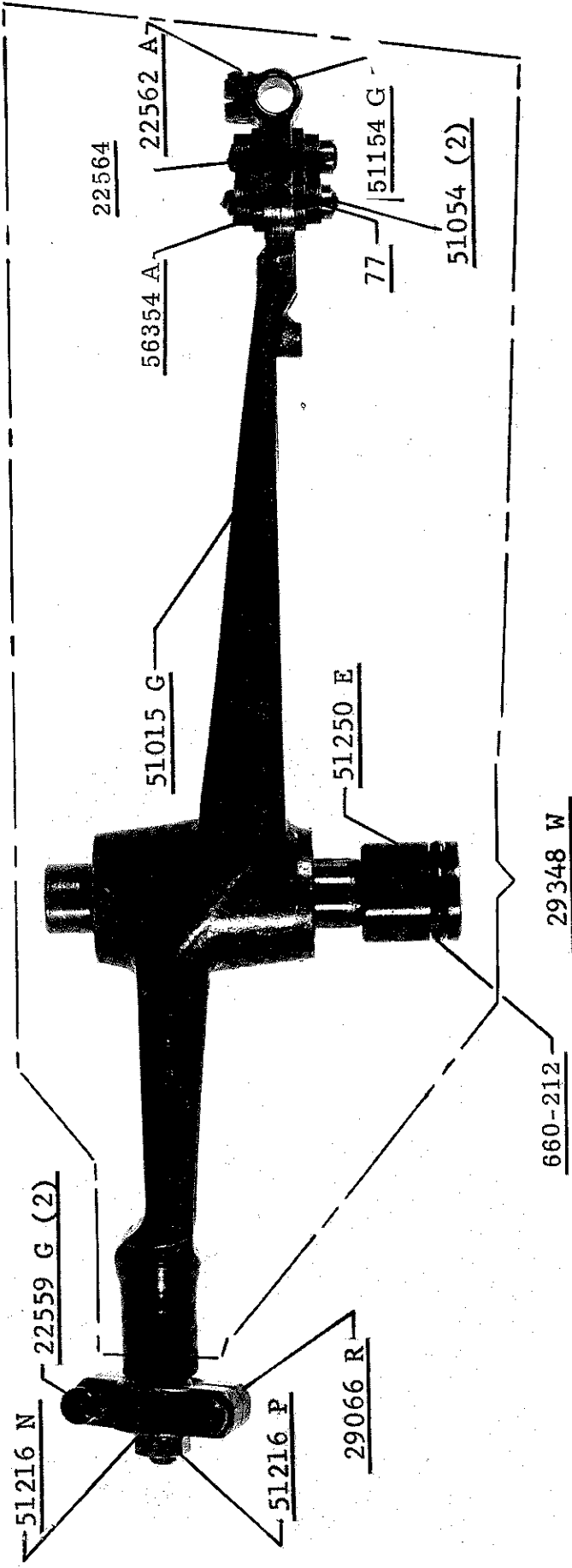
22845 B

22760 A (3)

35772 H (3)



51081 H



22768 27-435 Blk.

56358

22839 (3)

51080

51020 G
(Complete)

22801

51225 W

51217 C

22528

22585 B

51005 G

51025 A

22570 (2)

51008 G

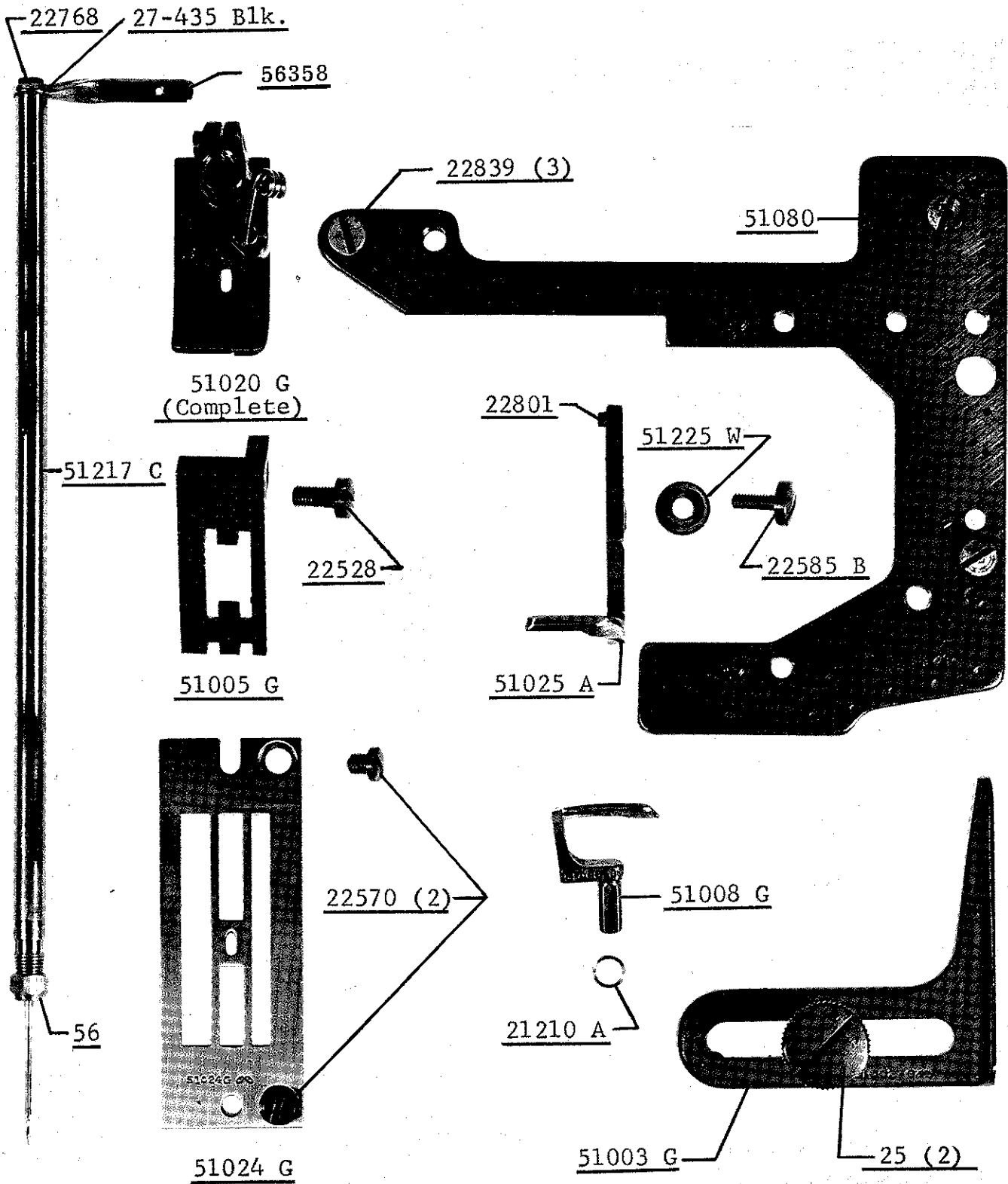
21210 A

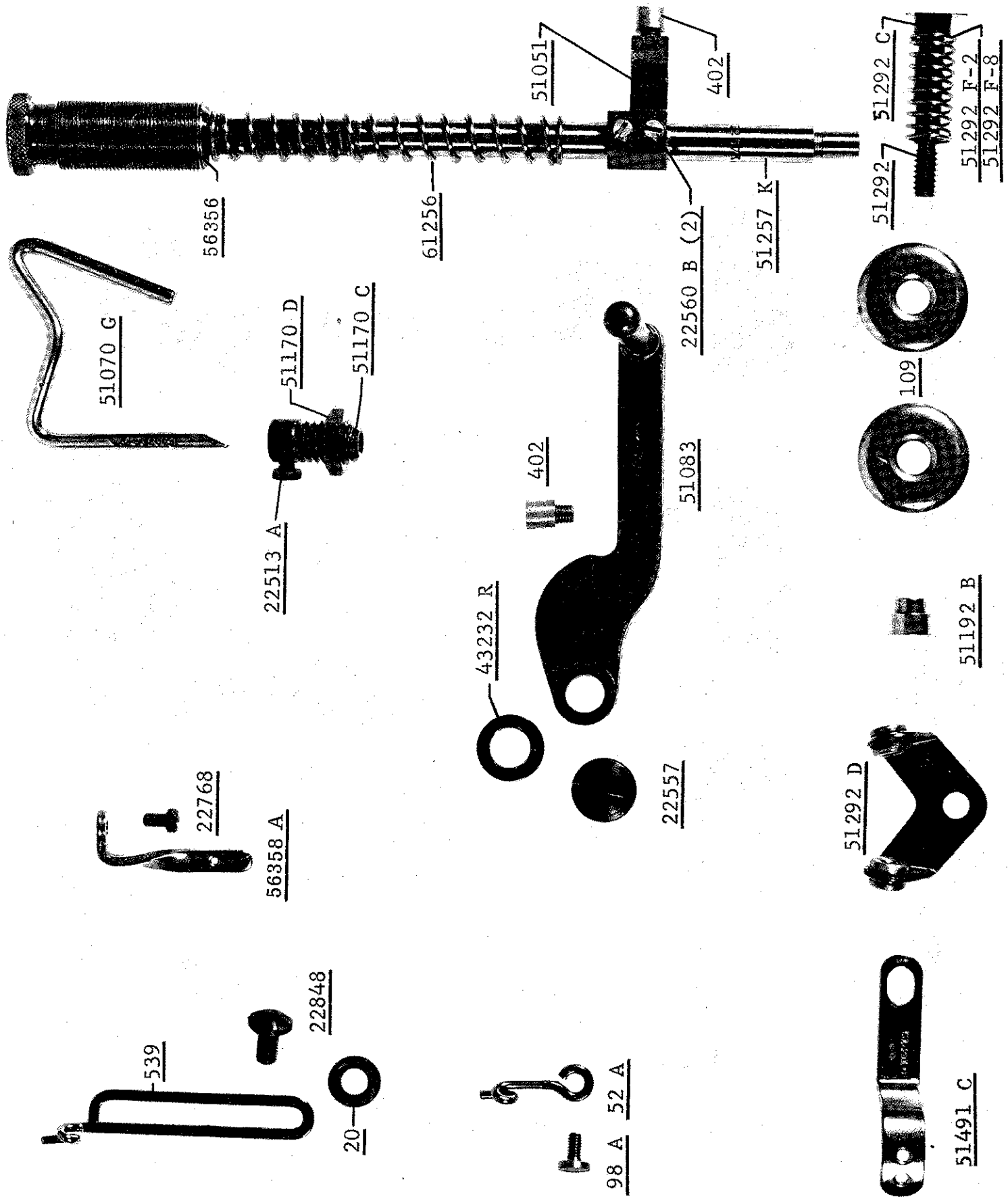
56

51024 G

51003 G

25 (2)





51070 G

56356

61256

51051

402

51257 K

22560 B (2)

51083

43232 R

402

22557

51192 B

51292 D

51491 C

56358 A

22768

22513 A

51170 D

51170 C

539

22848

20

98 A 52 A

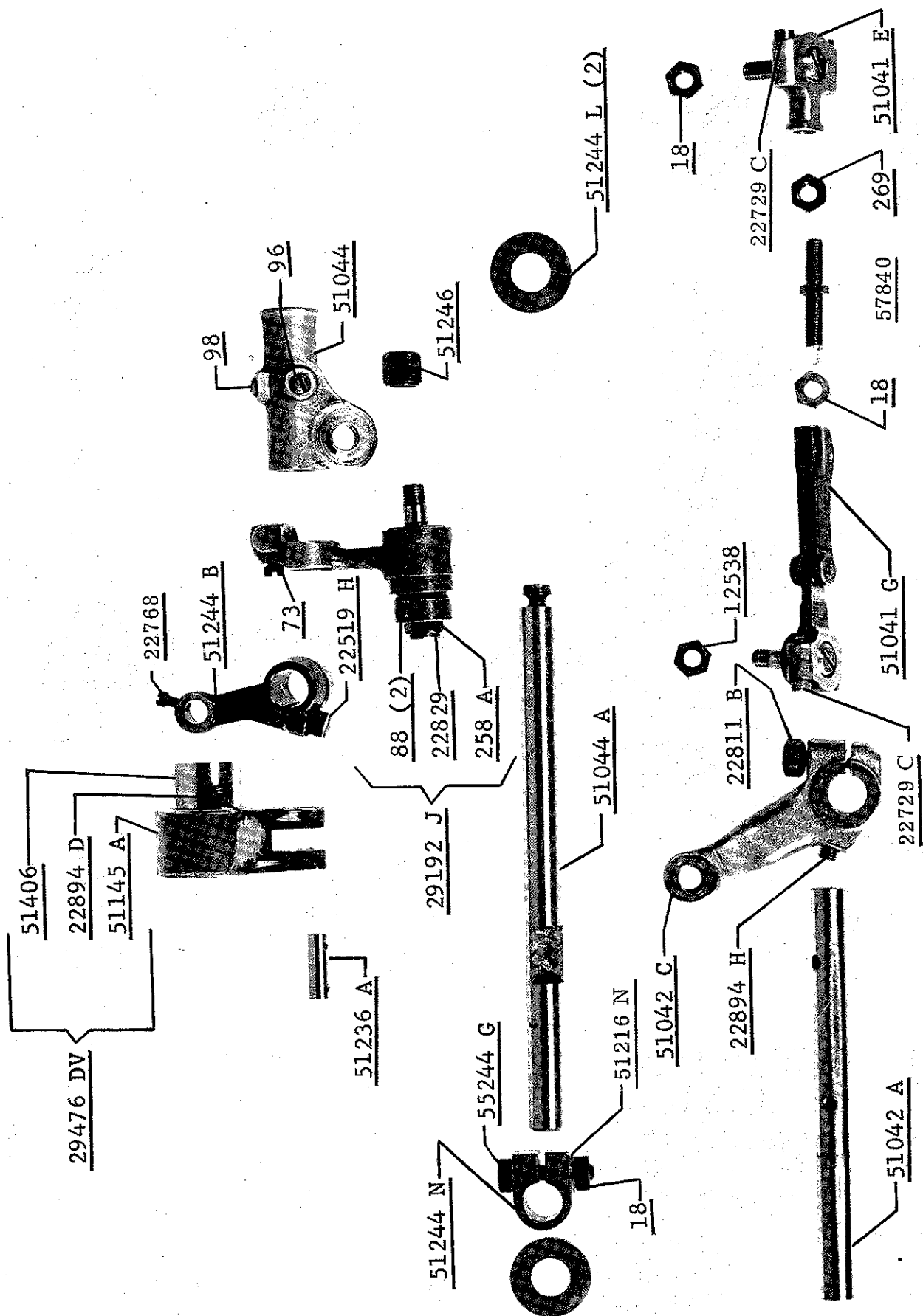
51292

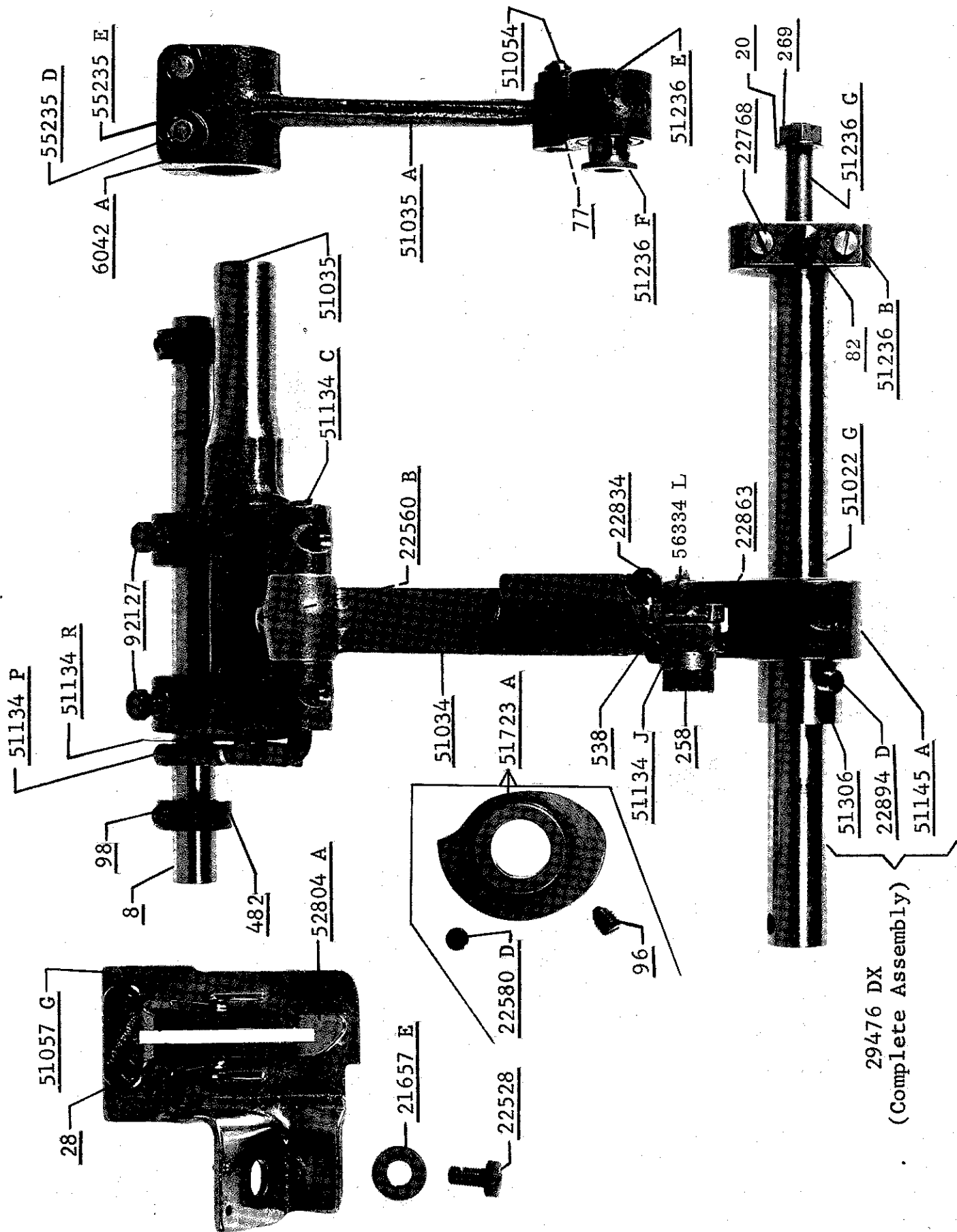
51292 C

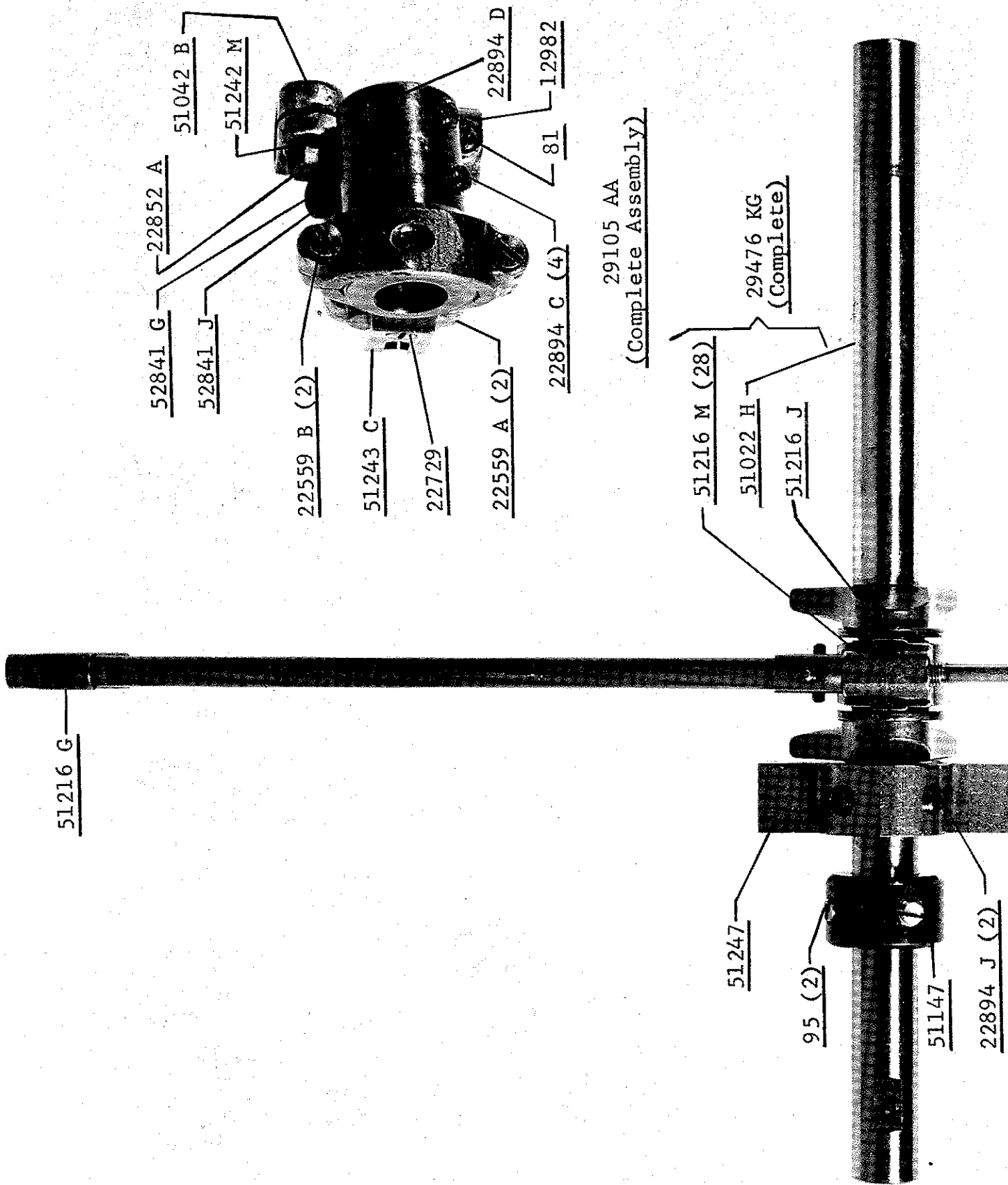
109

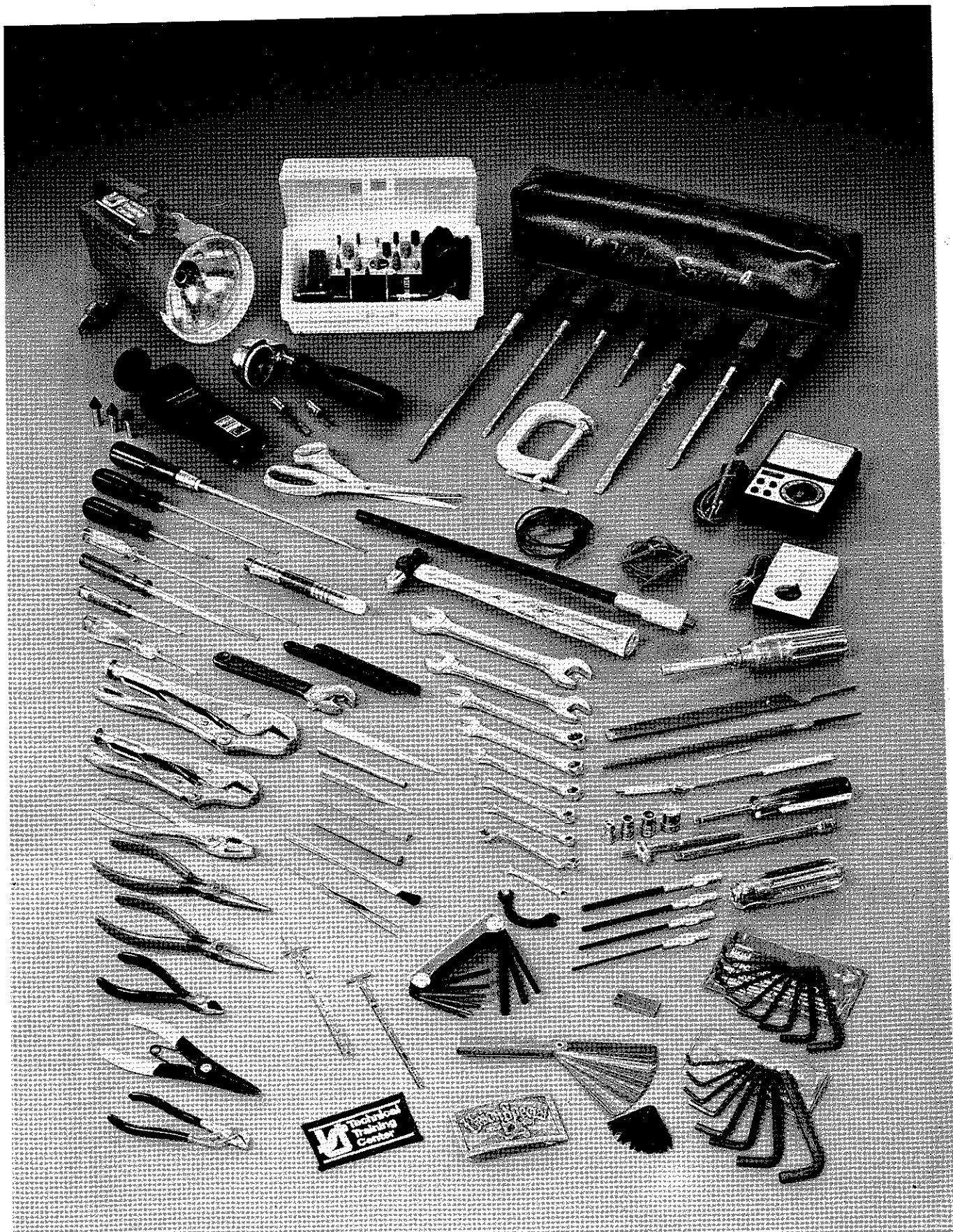
51292 F-2

51292 F-8









Tools & Gauges

Description	Order Number
KITS:	
Floor Mechanics Tool Kit includes TTC Nos. 4, 5, 10-13, 15-20, 22, 23, 27, 28, 30, 33, 35, 36, 37-42, 48, 57, 58, 72, 73.....	TTC-1
Traveling Mechanics Tool Kit same as TTC-1 plus Nos. 7, 43, 44, 49-56.....	TTC-2
ALLEN WRENCHES:	
Screwdriver handle and 4 Allen Bits	
Sizes $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{9}{32}$ ", $\frac{3}{16}$ ".....	TTC-4
Set Standard 'L' shape Allen Wrenches.....	TTC-57
Set Metric 'L' shape Allen Wrenches.....	TTC-8
Allen Cluster.....	TTC-62
BAGS:	
Union Special Tool Pouch.....	TTC-30
BRASS ROD:	
4 x $\frac{5}{16}$ ".....	TTC-19
BRUSH:	
Cleaning brush 6".....	TTC-23
BUCKLE:	
Union Special metal belt buckle.....	TTC-31
CLAMP:	
C-Clamp 6".....	TTC-53
CUTTER:	
Side cutters 5".....	TTC-50
EMBLEMS:	
TTC emblem for coat.....	TTC-64
FILES:	
Round 8".....	TTC-55
Flat 8".....	TTC-56
Handles for files (not shown).....	TTC-77
Diamond file for lockstitch needle guards.....	TTC-60
FLASHLIGHT:	
Pocket flashlight with clip.....	TTC-76
GAUGES:	
Feeler or thickness gauge, .001 thru .015.....	TTC-22
Looper Gauges set of 10 sizes: $\frac{1}{16}$ ", $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{5}{16}$ ", $\frac{3}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ".....	TTC-33
Synchronizing gauge for flatbed machines (not shown).....	TTC-34
$4\frac{1}{8}$ " gauge for flatbed machines (not shown).....	TTC-35
Needle height gauge for 39800 machines.....	TTC-61
Spreader height gauge for 52800, 52900, 57800 and 57900 machines (not shown).....	TTC-68
GRINDER:	
Handee grinder kit.....	TTC-74
HAMMER:	
4 oz. ball peen hammer.....	TTC-38
MAGNET:	
Pocket magnet 8".....	TTC-10
PLIERS:	
Slip joint pliers 6".....	TTC-12
Needle nose pliers 6" (serrated jaws).....	TTC-13
Needle nose pliers 6" (smooth jaw).....	TTC-49
Plastic grips for pliers.....	TTC-14
Snap ring pliers.....	TTC-69
Grooved pliers HL-14P.....	TTC-84
PUNCH:	
Center punch 4".....	TTC-54
Drift punch.....	TTC-82
SANDING CLOTH:	
Emery cloth (not shown).....	TTC-78
Crocus cloth (not shown).....	TTC-79
Roll emery cord (not shown).....	TTC-80

Description	Order Number
SCALE:	
Metal scale $\frac{1}{2}$ " x 6".....	TTC-15
Metal scale $\frac{1}{2}$ " x 6", inches and metric.....	TTC-86
Metal scale $\frac{1}{4}$ " x 6".....	TTC-66
SCISSORS:	
8".....	TTC-32
SCREWDRIVERS:	
Set various size wood handled screwdrivers: 4", 10", 2-8", 6", 14", 12".....	TTC-5
10" x $\frac{3}{16}$ " blade.....	TTC-24
8" x $\frac{3}{16}$ " blade, plastic handle Stanley.....	TTC-73
6" x $\frac{3}{16}$ " blade.....	TTC-25
3" x $\frac{3}{16}$ " blade.....	TTC-26
2" x $\frac{1}{8}$ " blade.....	TTC-27
8" x $\frac{1}{8}$ " blade.....	TTC-28
Quickwedge screw starter 5".....	TTC-11
Quickwedge screw starter 3".....	TTC-65
SOCKETS:	
T-Handle, 6" extension $\frac{3}{32}$ ", $\frac{1}{16}$ ", $\frac{3}{8}$ " and $\frac{1}{2}$ " sockets all $\frac{1}{4}$ " drive.....	TTC-37
$\frac{1}{2}$ " socket, $\frac{1}{4}$ " drive.....	TTC-46
$\frac{3}{8}$ " socket, $\frac{1}{4}$ " drive.....	TTC-47
Screwdriver handle for sockets $\frac{1}{4}$ " drive.....	TTC-48
T-Handle $\frac{1}{4}$ " drive.....	TTC-63
STONES:	
Triangle India Stone 4".....	TTC-20
Round India Stone 4".....	TTC-21
TACHOMETER:	
Handheld digital tach 1-20,000 RPM.....	TTC-67
TEST LEADS:	
Red Pomona type clip.....	TTC-70
Black Pomona type clip.....	TTC-71
TIMING LIGHT:	
Strobe light.....	TTC-75
TWEEZERS:	
Sharp point.....	TTC-16
VICE GRIPS:	
Small 7".....	TTC-51
Large 10".....	TTC-52
VOLT-OHM METERS:	
Pocket VOM Multitester.....	TTC-6
Large VOM Multitester.....	TTC-7
Case—small (not shown).....	TTC-8
Case—large (not shown).....	TTC-9
WRENCHES:	
Needle wrench $\frac{3}{32}$ " open end, curved for needle and looper nuts.....	TTC-17
Looper avoid wrench for classes 35800 and 36200. (not shown).....	TTC-85
$\frac{3}{32}$ " x $\frac{1}{4}$ " curved box end.....	TTC-18
$\frac{1}{2}$ " open and box end.....	TTC-39
$\frac{3}{8}$ " open and box end.....	TTC-40
$\frac{1}{16}$ " open and box end.....	TTC-41
$\frac{1}{4}$ " open and box end.....	TTC-81
$\frac{1}{16}$ " open and box end.....	TTC-42
$\frac{5}{8}$ " x $\frac{1}{16}$ " open end.....	TTC-43
$\frac{1}{16}$ " x $\frac{3}{4}$ " open end.....	TTC-44
$\frac{3}{16}$ " x $\frac{1}{32}$ " open end.....	TTC-45
$\frac{1}{4}$ " x $\frac{1}{32}$ " open end.....	TTC-72
6" adjustable.....	TTC-36
8" adjustable.....	TTC-59
Adjustable torque wrench 0-75 in. lb. dial indicator with screwdriver bit & $\frac{1}{4}$ " drive adapter.....	TTC-3
Rod wrench for use with above torque wrench on flatbed machines.....	TTC-29
Adjustable torque wrench 0-36 in. lb. with bits.....	TTC-83



Union Special[®]
INDUSTRIAL SEWING MACHINES

UNION SPECIAL maintains sales and service facilities throughout the world. These offices will aid you in the selection of the right sewing equipment for your particular operation. Union Special representatives and service men are factory trained and are able to serve your needs promptly and efficiently. Whatever your location, there is a Union Special Representative to serve you. Check with him today.

ATLANTA, GA.

BOSTON, MASS.

CHICAGO, ILL.

DALLAS, TEXAS

LOS ANGELES, CAL.

NEW YORK, N. Y.

PHILADELPHIA, PA.

MONTREAL, CANADA

TORONTO, CANADA

BRUSSELS, BELGIUM

LEICESTER, ENGLAND

LONDON, ENGLAND

PARIS, FRANCE

STUTT GART, GERMANY

Representatives and distributors in all important
industrial cities throughout the world.

UNION SPECIAL CORPORATION