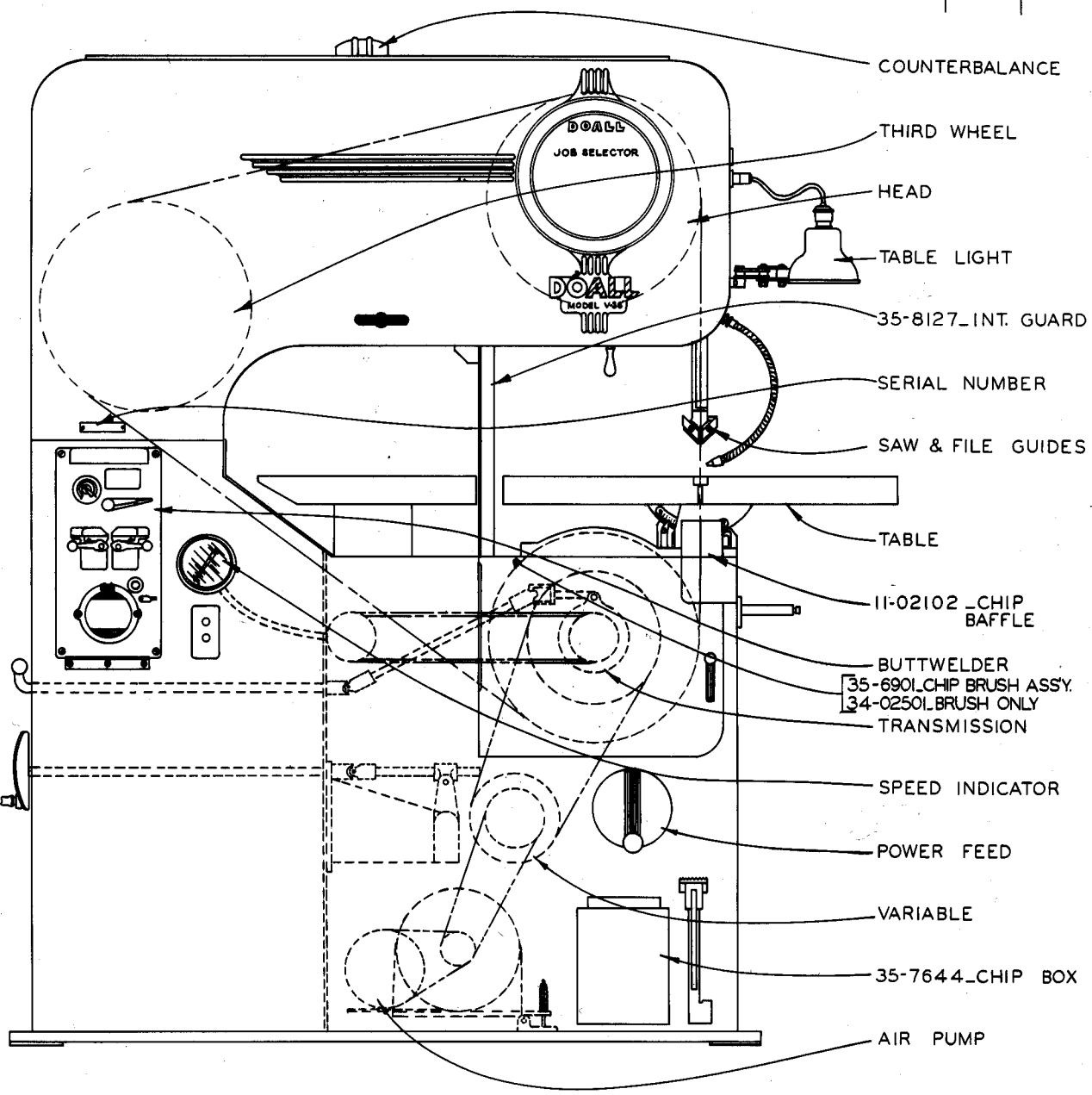


FICHE NO. A-40 CLASS Contour MODEL V-36 SERIAL NO. 363901 TO 36535628

PAGE NO.	DESCRIPTION	FIRST SERIAL	LAST SERIAL	FRAME NO.		FICHE NO.
				DWG.	P.LIST	
C-1-4	Final Assembly	ALL		A-3	A-3	
C-8-52	Air Pump	ALL		A-5&6	A-5&6	
C-9-101	Auxiliary Table, Manual	363901	to 8/31/1943	A-7	A-7	
C-7-25	Band Filer	ALL		A-9&10	A-9&10	
C-7-25	Band Polisher	ALL		A-9&10	A-9&10	
H1-19.0	Blade Shear	See Butt welder		F-9	F-10	H-2
C-1-4	Chip Brush	ALL		A-3	A-3	
C-10-21	Coolant	ALL		A-11	A-11	
C-10-7	Cutoff Attach. #1 All Purpose	ALL		A-13	A-14	
C-10-8	Cutoff Attach. #2 Side Mount	363901	to 3/15/51	B-1&2	B-1&2	
C-10-28	Cutoff Attach. #2 Side Mount	3/15/51	to END	B-3	B-4	
C-10-1	Disc Cutter	363901	to 8/1/1944	B-5&6	B-5&6	
C-10-2	Disc Cutter	8/1/1944	to END	B-7	B-8	
C-1-51	Door Handles & Latches	ALL		B-9	B-9	
C-1-51	Door Counterbalance	ALL		B-9	B-9	
C-5-10	Drive	363901	to 36463909	B-11&12	B-11&12	
C-5-11	Drive	36463910	to END	B-13&14	B-13&14	
H1-20.0	Etching Pencil	See Butt welder		F-11	F-12	H-2
C-10-18	Filing Fixture for Small Parts	ALL		C-1	C-1	
C-2-4	Head	363901	to 3639119	C-3&4	C-3&4	
C-2-5	Head	3639120	to 36443239	C-5&6	C-5&6	
C-2-6	Head	36443240	to 36494430	C-7&8	C-7&8	
C-2-7	Head	36494431	to END	C-9&10	C-9&10	
C-10-22	Heavy Work Clamps	ALL		C-11&12	C-11&12	
C-10-23	Heavy Work Slides	ALL		C-13	C-14	
C-9-102	Hydraulic Auxiliary Table	36432779	to 36494540	D-1&2	D-1&2	
C-9-103	Hydraulic Auxiliary Table	36494541	to END	D-3	D-3	
C-9-51	Hydraulic Contour Feed	1 of 2	3640225 to 36432778	D-4	D-4	
C-9-52	Hydraulic Contour Feed	2 of 2	3640225 to 36432778	D-5&6	D-5&6	
C-9-58	Hydraulic Contour Feed	36432779	to END	D-7&8	D-7&8	
C-9-75	Hydraulic Tank	36432779	to 8/14/52	D-9&10	D-9&10	
C-9-76	Hydraulic Tank	8/14/52	to END	D-11	D-11	
C-8-104	Job Selector	ALL		D-13	D-14	
C-8-1	Lamp	363901	to 36443009	E-1	E-1	
C-8-1A	Lamp	36443010	to 36514876	E-2	E-2	
C-8-2	Lamp	36514877	to END	E-3	E-3	
C-10-14	Magnifier	363901	to 7/1/1943	E-5&6	E-5&6	
C-10-15	Magnifier	7/1/1943	to END	E-7	E-8	
C-9-1	Power Feed, Weight Type	363901	to 36484345	E-9&10	E-9&10	
C-9-2	Power Feed, Weight Type	36484346	to END	E-11&12	E-11&12	
C-10-20	Ratchet Feed	ALL		E-13	E-14	
C-10-34	Rip Fence	ALL		F-1&12	F-1&2	
C-1-4	Saw Guard, Intermediate	ALL		A-3	A-3	
C-7-1	Saw Guides	ALL		F-3	F-3	
C-10-21	Saw Lubricator	ALL		A-11	A-11	
C-10-17	Screw Feed	ALL		F-4	F-4	
C-5-101	Speed Indicator	ALL		F-5&6	F-5&6	
C-3-5	Table & Trunnion, 4 Way Tilt	363901	to 36474074	F-7	F-7	
C-3-6	Table & Trunnion, 4 Way Tilt	36474075	to 36514877	F-8	F-8	
C-3-26	Table & Trunnion, 2 Way Tilt	36514878	to END	F-9	F-9	
C-3-7	Table, Secondary	ALL		F-10	F-10	
C-9-107	Table Supports	ALL		F-11	F-12	
C-2-23A	Third Wheel	ALL		F-13	F-13	
C-4-6	Transmission	ALL		G-1&2	G-1&2	
C-4-41	Transmission	See Note On Drawing		G-3	G-4	
C-5-35	Variable Speed Pulley	ALL		G-5	G-6	
C-4-6	Wheel, Lower	ALL		G-1&2	G-1&2	
C-2-23A	Wheel, Third	ALL		F-13	F-13	
	Wheel, Upper	See Head Assembly				
C-10-16	Work Holding Jaws	ALL		G-7	G-8	

REVISIONS
2-24-65
REWORKED
9-9-68



COUNTERBALANCE

THIRD WHEEL

HEAD

TABLE LIGHT

35-8127_INT. GUARD

SERIAL NUMBER

SAW & FILE GUIDES

TABLE

11-02102_CHIP
BAFFLE

BUTTWELDER
35-6901_CHIP BRUSH ASSY.
34-02501_BRUSH ONLY
TRANSMISSION

SPEED INDICATOR

POWER FEED

VARIABLE

35-7644_CHIP BOX

AIR PUMP

MODEL - V36

****PARTS USED BEFORE SERIAL NOS.**

V-60	6051126
V-16	1651823
ML	5115575
V-36	36514877
V-26	26512426
Z-16	5116338
Z-36-16	5136119
Z-60	6006351

4133 ADAPTER WAS 35-7312
 4385 NUT WAS - 5-11517
 4097 AIR HOSE REPLACES 6-01502
 AND 13-11504
 5-11318 BRACKET WAS 17-11301

***NOTE: BEFORE THE SERIAL NO'S.**
 ML 4813270 V16 1648413 V26 26482019
 V36 3648177 V60 6048117 Z16 4816271
 Z526 4826119 Z36 4855736
 Z36-16 4836067

REPLACE 35-6736 WITH 5-11101 &
 REPLACE 35-6735 WITH 5-11102 OR
 REPLACE 35-6735 & 35-6736 AT THE
 SAME TIME.

1-CONNECTOR Z36 ONLY
 35-1498

4133-ADAPTOR --- 1

4385-NUT ----- 1

4097-AIR HOSE --- 1
 FOR SPECIAL WORK THICKNESS MACH.
 35-1223-24" AIR HOSE.
 35-1224-30" AIR HOSE.
 35-2310-36" AIR HOSE.
 USE 5-11406 NOZZLE ON SPEC.WT.

1-SPRING ----- 4658

GIVE BELT LENGTH WHEN
 ORDERING.

GIVE MOTOR SPEED &
 SHAFT DIAMETER WHEN
 ORDERING PULLEY.

1-AIR PUMP BRACKET
 ML, V16, V36, Z36 - 5-11318
 V26 - - - - - 21025
**** V60 - - - - - 5-11318**
 Z16, Z36-16 - - - 35-2260
 LHV, SFP, HS, HSV, BF 21381

1-RUBBER TUBE
 5-11511-ML, V16, Z16
 11-11504-V36, Z36-16
 13-11505-V26
 17-11501-V60
 35-2807-Z36
 3329-HS, HSV, LHV, SFP, BF

5-11510- BREATHER --- 1
 35-7312- NIPPLE --- 1
 17-13521- ELBOW --- 1
 35-6736- BODY --- 1*
 5-11517- REDUCER --- 1
 5-11104- ROTOR --- 1
 5-11319- ROTOR FIN --- 3
 5-11405- BEARING --- 1
 35-6735- COVER --- 1*
 5-11316- PULLEY 60 CY. OR
 5-11317- PULLEY 25 & 50 CY. 1

THIS
 ASSEMBLY
 5-11002
 SPECIFY
 CYCLE

MODEL ASSY NO.
 LHV, SFP, HS, HSV, BF- 50642

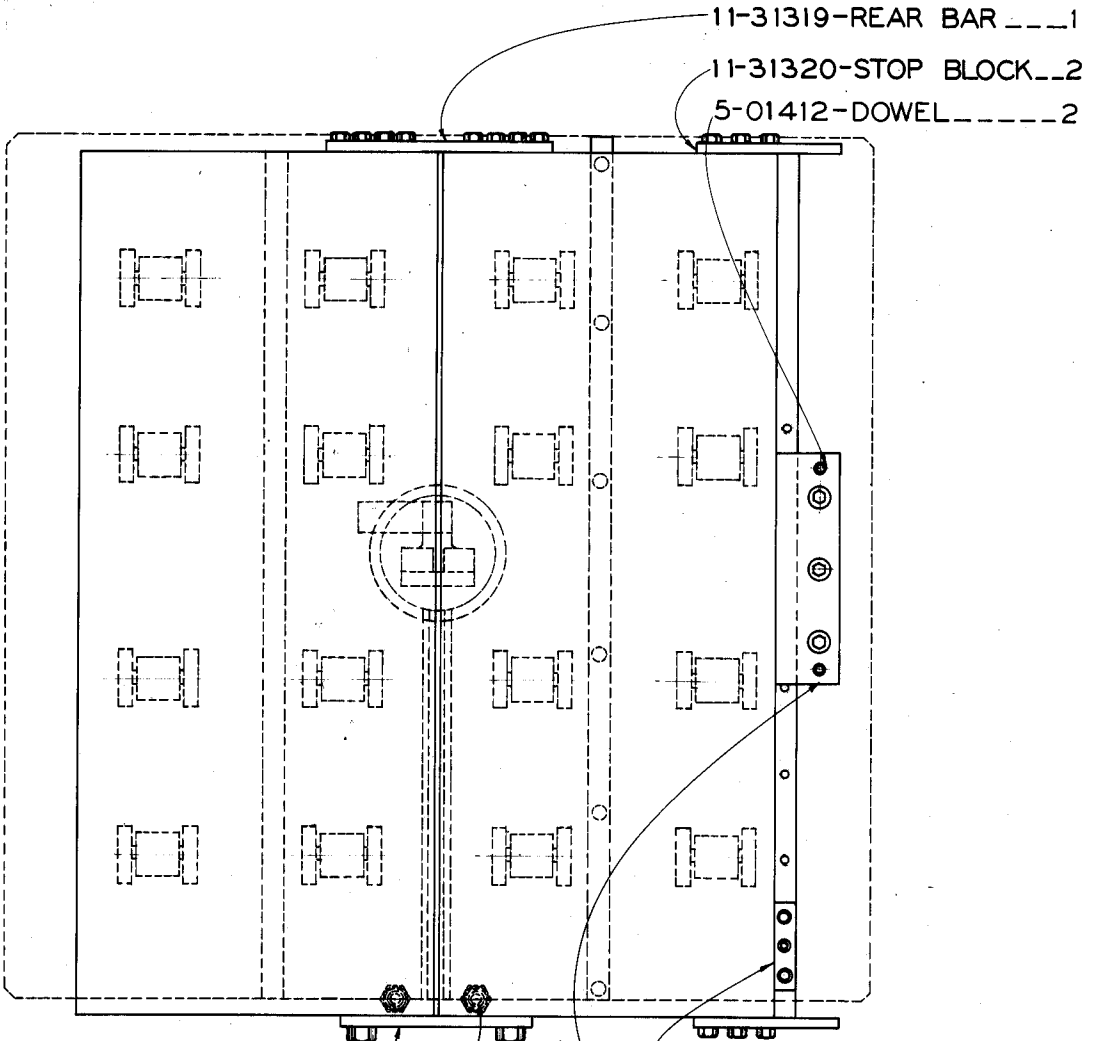
ML, V16	5-11005
V26	35-995
V36	35-5362
V36-3	35-5362
V60	35-5363
Z16	35-2712
Z36-16	35-5364
Z36	35-1722

MODEL	FIRST MACH	LAST MACH
HSV	26-48101	26-53126
BF	42-52101	42-54286
LHV-SFP	27-51409	27-541185
HS	25-51219	25-54170
ML	4130006	5418353
V-16	4130008	
V-26	2641316	26532923
V-36	3641755	36535628
V-36-3	37-51101	37-53204
V-60	604159	6052142
Z-16	4516051	5316402
Z-36-16	4736051	5336145
Z-36	4405136	5064436

AIR PUMP ASSEMBLY

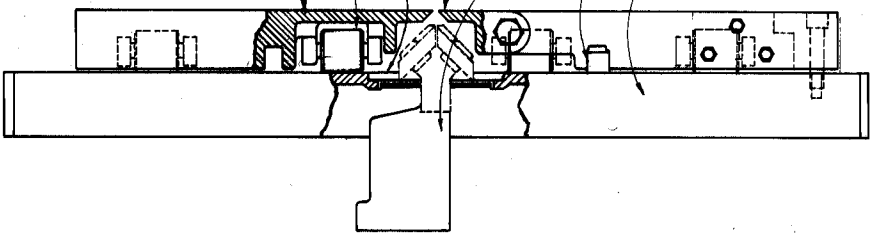
C-8-52 Z-7-51

PRINTED IN U.S.A.



- 1-FRONT BAR__11-31318
- 2-STUD_____11-31411
- 1-COVER_____11-31412
- 16-BEARING ASSEM. | 11-31004
- 1-L.H. TABLE ___ | 11-31104

- 11-31307-ADJ. BLOCK_____ |
- 11-31315-CUTOFF BLOCK___ | 1
- 11-31103-R.H. TABLE _____ |
- 11-31317-KEEPER _____ |
- 11-31302-GUIDE BAR _____ |
- 11-31105-TABLE _____ |

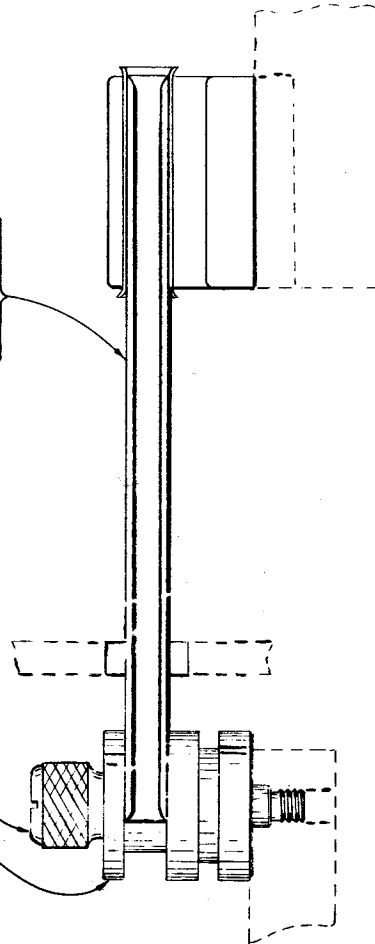


AUXILIARY TABLE — 11-31003

FILE GUIDES

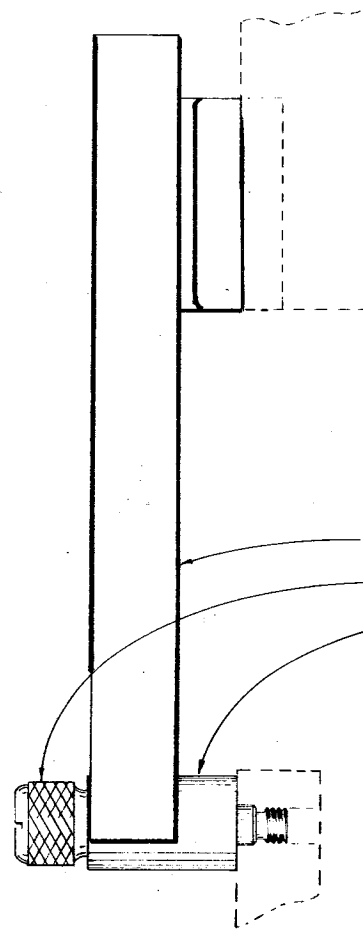
- 1/4 X 6 3/4 FILE GUIDE - - 34-09002
- 3/8 X 8 3/8 FILE GUIDE - - 34-09003
- 1/2 X 8 3/8 FILE GUIDE - - 34-09004
- 1/4 X 12 1/2 FILE GUIDE - - 34-09005
- 3/8 X 12 1/2 FILE GUIDE - - 34-09006
- 1/2 X 12 1/2 FILE GUIDE - - 34-09007

- 1-SCREW - - - - - 34-09001
- 1-BACKUP - - - - - 34-09312



FILE GUIDE ASSEMBLY

FIRST UNIT 4-11-38



- 6-10001-BACKUP ASSEMBLY - - - 1
- 34-09001-BACKUP SCREW - - - 1
- 34-10402-GUIDE BACKUP - - - 1

NOTE: COMPLETE ASSY.
INCLUDES BACKUP ASSY,
BACKUP, 3 BANDS AND
GRAPHITE GUN

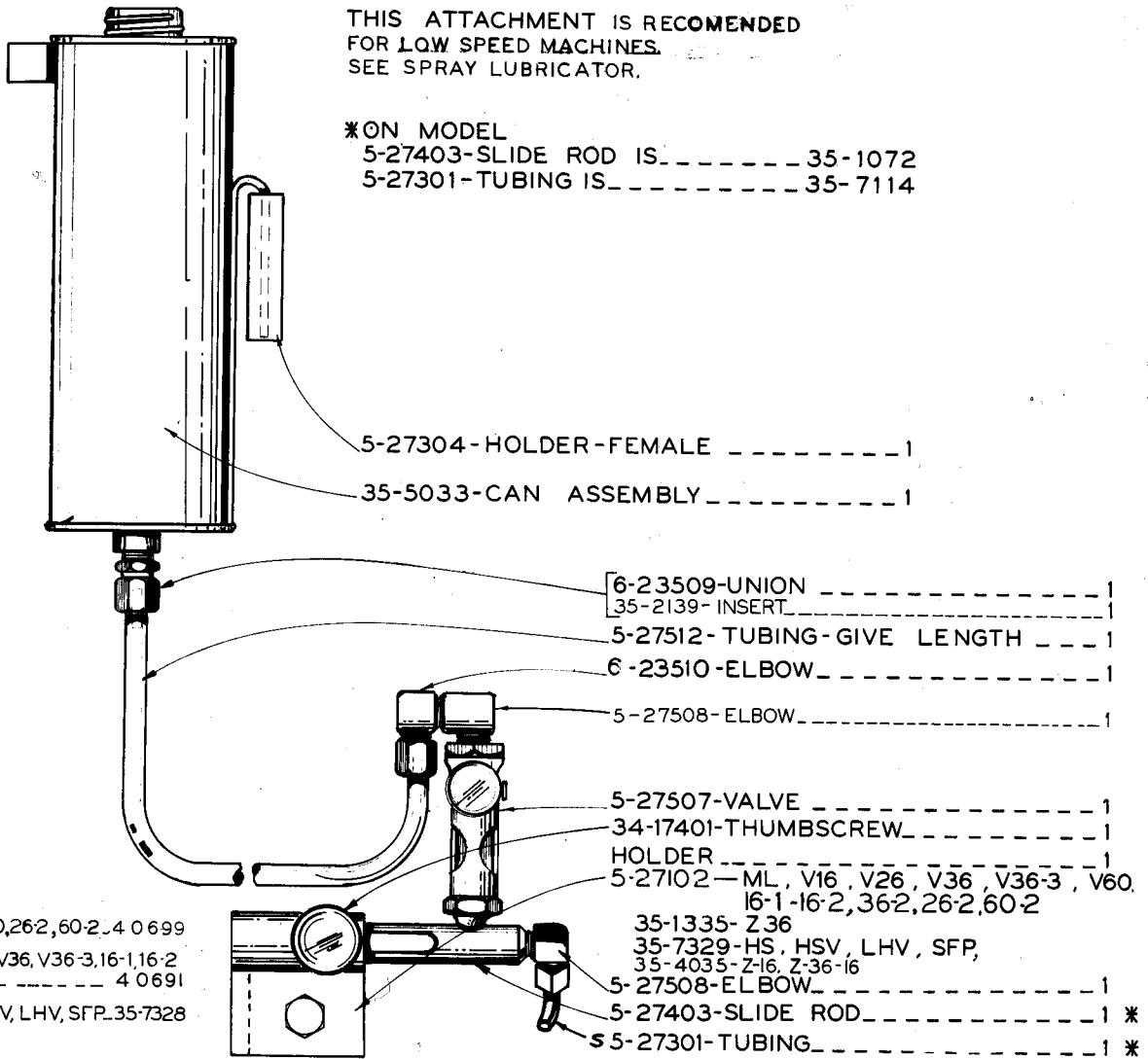
- 115" - - - - - 35-5468
- 175" - - - - - 244 39
- 160" - - - - - 35-5469
- 183" - - - - - 244 40

BAND POLISHING ASSEMBLY

FIRST UNIT 4-11-38

THIS ATTACHMENT IS RECOMENDED
 FOR LOW SPEED MACHINES.
 SEE SPRAY LUBRICATOR.

*ON MODEL
 5-27403-SLIDE ROD IS _____ 35-1072
 5-27301-TUBING IS _____ 35-7114

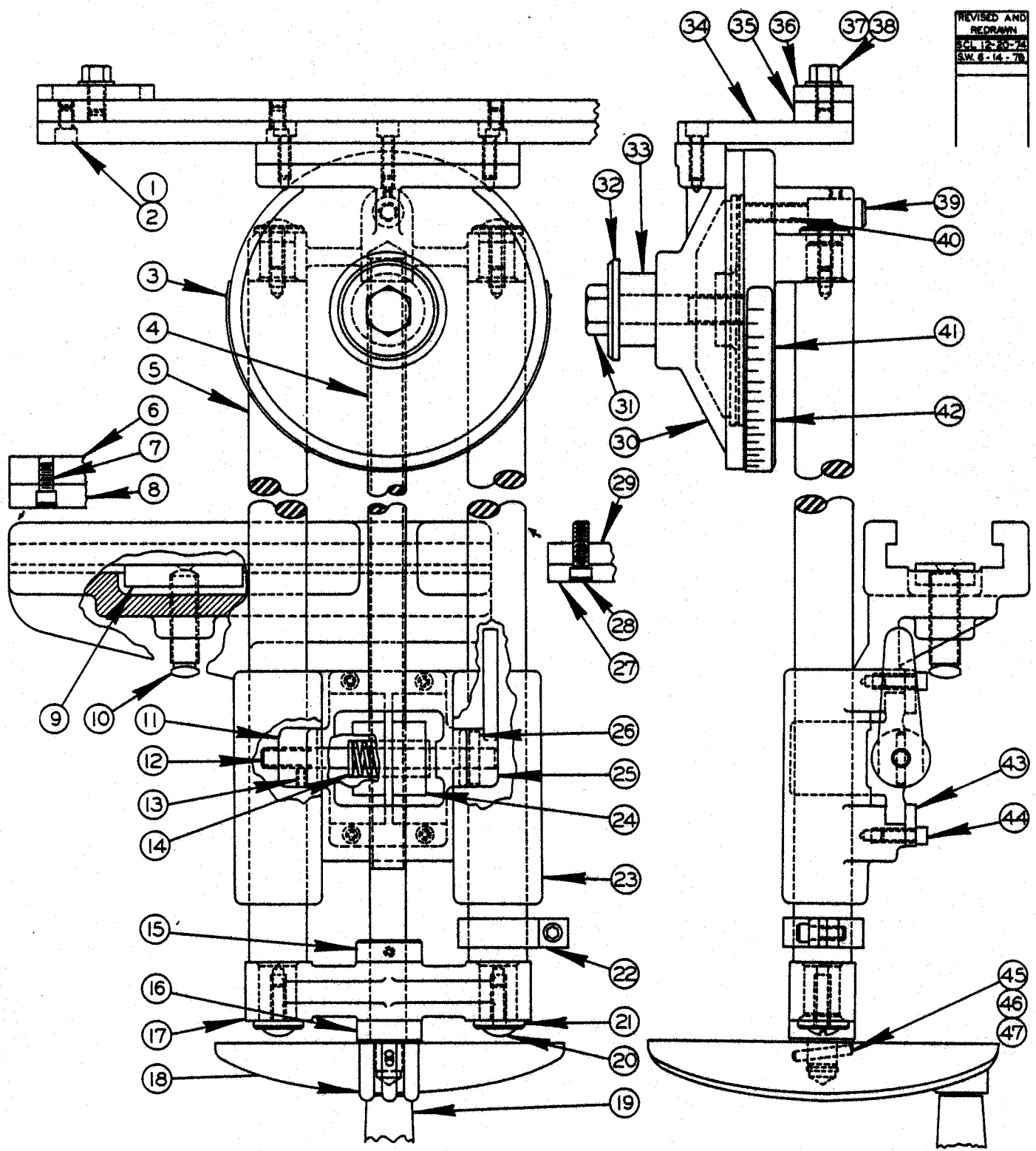


** V26 V60,262,60-2,4 0 699
 ML,V16,V36,V36-3,16-1,16-2
 36-2 _____ 4 0691
 HS, HSV, LHV, SFP, 35-7328

FIRST MACHINE 4-11-1938
 LAST MACHINE 12-31-1959

** COOLANT DRIP APPLICATOR

REVISED AND
REDRAWN
SCL 12-20-74
S.W. 6-14-76



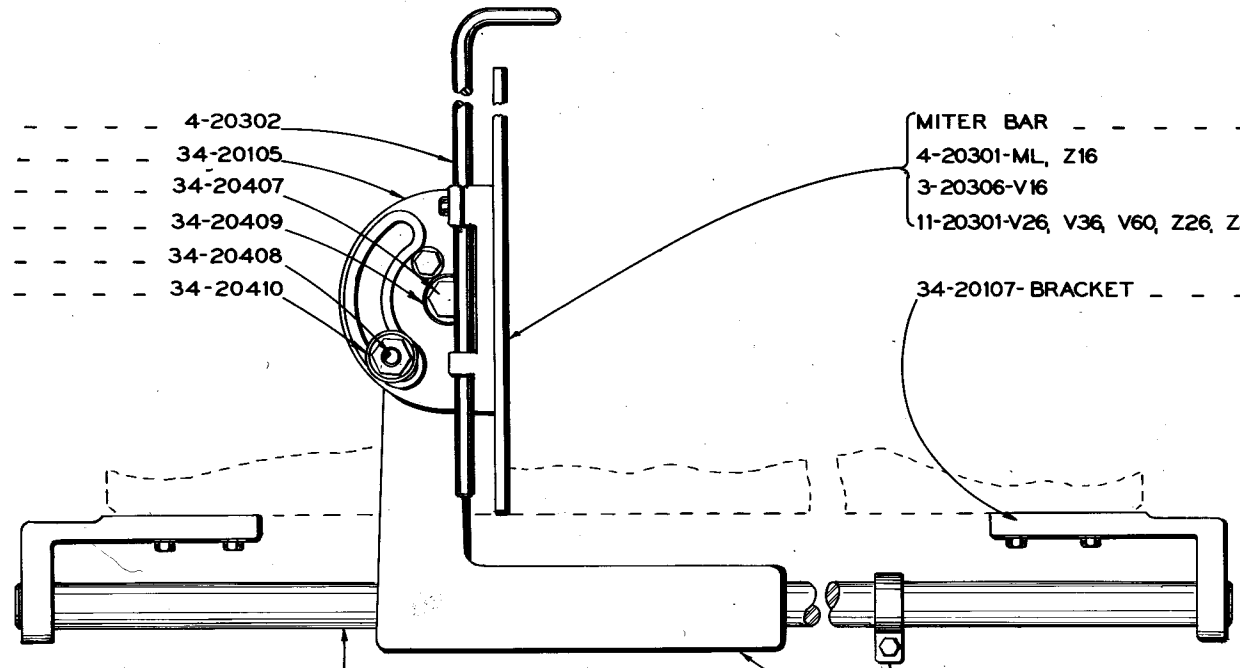
ALL PURPOSE MITRE ATTACHMENT ASSEMBLY

No. 1 ALL PURPOSE CUT-OFF, RIPPING AND MITERING ATTACHMENT

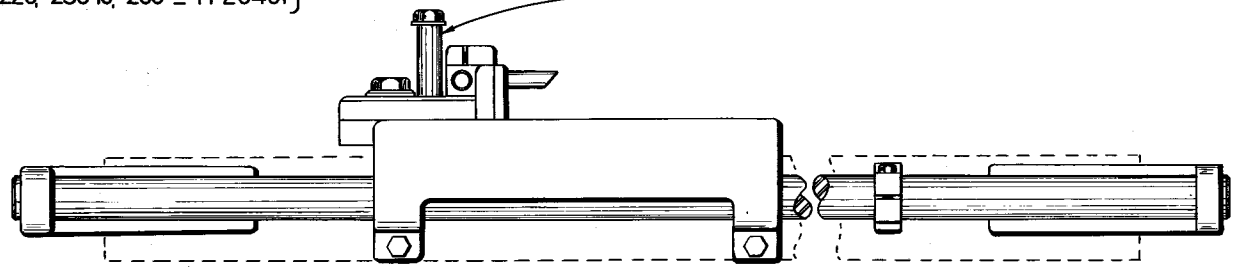
INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	090-504937	No. 1 All Purpose Cut-off, Ripping & Mitering Attachment(24 x 24 Table)	
Ref.	111-280046	No. 1 All Purpose Cut-off, Ripping & Mitering Attachment(30 x 30 Table)	
Ref.	135-054278	No. 1 All Purpose Cut-off, Ripping & Mitering Attachment(36 x 36 Table)	
1	135-051852	. All Purpose Mitre Attachment Sub-Assembly	1
2	091-982355	. . Screw, Soc. Hd. Cap 1/4-20NC x 3/8	7
3	091-993972	. . Screw, Rd. Hd. Drive #2 x 1/4 P.K.	4
4	111-284162	. . Feed Screw	1
5	111-284154	. . Slide Rod	2
6	106-283013	. L.H. Table Guide Spacer (24" Table)	Use
	111-283032	. L.H. Table Guide Spacer (30" Table)	
	135-047256	. L.H. Table Guide Spacer (36" Table)	One
7	091-982363	. Screw, Soc. Hd. Cap 1/4-20NC x 1/2	2
8	106-283021	. L.H. Table Guide(24" Table)	Use
	111-283024	. L.H. Table Guide(30" Table)	
	135-047264	. L.H. Table Guide(36" Table)	One
9	111-283040	. . Locking Pad	1
10	111-284097	. . Locking Pad Set Screw	1
11	111-281101	. . Split Nut Adjusting Nut	1
12	111-284170	. . Split Nut Adjusting Pin	1
13	091-984104	. . Screw, Soc. Set #10-24NC x 1/4	3
14	111-285086	. . Split Nut Spring	1
15	111-284188	. . Screw Collar	1
16	111-284196	. . Screw Handwheel Collar	1
17	111-291084	. . Slide Rod & Handle Bracket	1
18	134-051036	. . Handwheel	1
19	091-181164	. . Speed Change Handle	1
20	091-990192	. . Screw, Truss Hd. Mach. 1/4-20NC x 3/4	4
21	111-284204	. . Slide Rod Washer	4
22	111-281093	. . Feed Stop Collar	1
23	111-281077	. . Table Slide Casting	1
24	111-281119	. . Split Nut	1
25	111-281127	. . Split Nut Adjusting Handle	1
26	090-042334	. . Roll Pin	1
27	106-283039	. R.H. Table Guide (24" Table)	Use
	111-283081	. R.H. Table Guide (30" Table)	
	135-047280	. R.H. Table Guide (36" Table)	One
28	091-982421	. Screw, Soc. Hd. Cap 1/4-20NC x 1	6
29	106-283047	. R.H. Table Guide Spacer (24" Table)	Use
	111-283073	. R.H. Table Guide Spacer (30" Table)	
	135-047272	. R.H. Table Guide Spacer (36" Table)	One
30	111-281028	. . Mitre Head	1
31	091-980714	. . Screw, Hex. Hd. Cap 1/2-13NC x 2-1/2.....	1
32	111-284055	. . Power Feed Chain Washer	1
33	111-284105	. . Power Feed Chain Collar	1
34	111-283016	. . Mitre Bar Support	1
35	111-283065	. . Mitre Bar	1
36	111-283057	. . Work Stop	1
37	091-992628	. . Washer, 5/16" Std.	1
38	091-980250	. . Screw, Hex. Hd. Cap 5/16-18NC x 1/2	1
39	111-284139	. . Mitre Head Support Pin	1
40	091-984385	. . Screw, Soc. Hd. Set 5/16-18NC x 5/8	1
41	111-281069	. . Mitre Head Base	1
42	111-285052	. . Mitre Head Graduated Plate	1
43	111-283099	. . Split Nut Side Plate	1
44	091-982215	. . Screw, Soc. Hd. Cap #10-24NC x 5/8	5
45	090-042599	. . Roll Pin	1
46	091-164426	. . Screw, Soc. Hd. Shoulder	1
47	091-156323	. . Washer	1
	091-181172	. . Pin (Not Shown)	1

C-10-8 Z-10-5

- 1-GAUGE ROD - - - - - 4-20302
- 1-HEAD - - - - - 34-20105
- 1-PIVOT - - - - - 34-20407
- 1-WASHER - - - - - 34-20409
- 1-STUD - - - - - 34-20408
- 1-WASHER - - - - - 34-20410
- MITER BAR - - - - - 1
 - 4-20301-ML, Z16
 - 3-20306-V16
 - 11-20301-V26, V36, V60, Z26, Z36-16, Z60
- 34-20107-BRACKET - - - - - 2



- 1 SLIDE ROD
 - ML, Z16 - - - - - 4-20401
 - V16 - - - - - 3-20406
 - V26, V36, V60, Z26, Z36-16, Z60 - 11-20401
- 11-28109-COLLAR - - - - - 1
- 34-20106-ARM - - - - - 1
- 34-20412-SLEEVE - - - - - 1

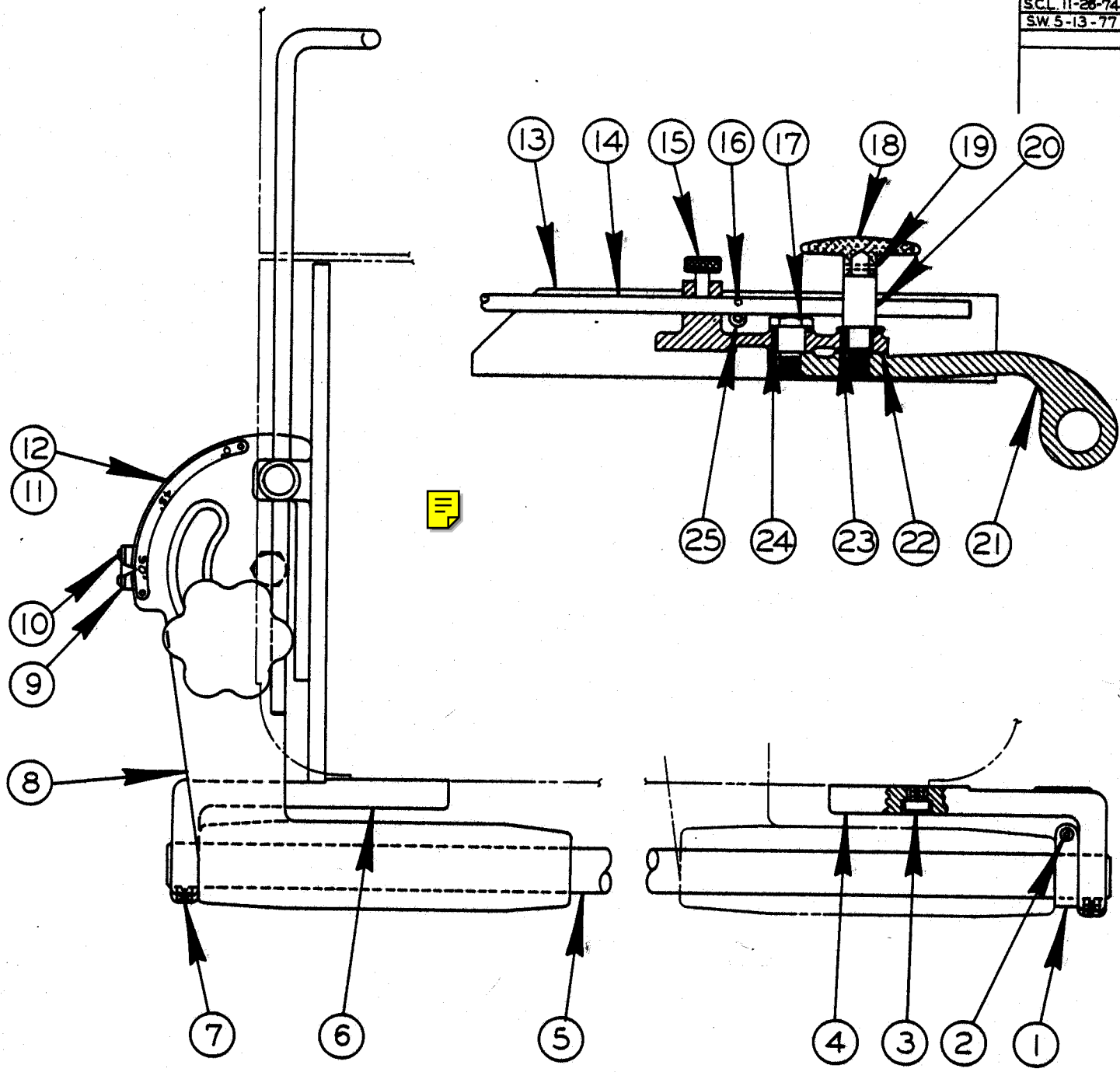


MODEL	ASSY NO.
V16 - - - - -	35-5304
ML, Z16 - - - - -	5-20001
V26, V36, V60, Z26, Z36-16, Z60 - - - - -	35-5301

CUT OFF & MITERING ATTACHMENT

FIRST MACHINE 4-11-38
 LAST MACHINE 3-15-51

PRINTED IN U.S.A.



NO. 2
STANDARD CUT-OFF & MITERING ATTACHMENT
(SIDE MOUNT)

NO. 2 STD. CUT-OFF & MITERING ATTACHMENT

INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y.
Ref.	090-504192	No. 2 Std. Cut-off & Mitering Attachment (20" x 20" Table)	
Ref.	090-552902	No. 2 Std. Cut-off & Mitering Attachment (24" x 24" Table)	
Ref.	090-553058	No. 2 Std. Cut-off & Mitering Attachment (26" x 26" Table)	
Ref.	090-505116	No. 2 Std. Cut-off & Mitering Attachment (30" x 30" Table)	
1	111-281093	.. Stop	1
2	091-982207	.. Screw, Soc. Hd. Cap, No.10-24NC x 1/2" (20" & 24" Tables)	1
	091-983783	.. Screw, Soc. Hd. Cap No.10-24NC x 5/16" (26" Table)	1
	091-984237	.. Screw, Soc. Hd. Set, 1/4-20NC x 5/16" (30" Table)	1
3	091-982769	.. Screw, Soc. Hd. Cap, 3/8-16NC x 1/2" (20" & 30" Tables)	4
	091-982785	.. Screw, Soc. Hd. Cap, 3/8-16NC x 3/4" (24" & 26" Tables)	4
4	090-036823	.. Rear Slide Rod Bracket (20" Table)	1
	090-295833	.. Rear Slide Rod Bracket (24", 26", & 30" Tables)	1
5	103-204061	.. Slide Rod (20" Table)	1
	104-204011	.. Slide Rod (24" Table)	1
	091-019356	.. Slide Rod (26" Table)	1
	091-019315	.. Slide Rod (30" Table)	1
6	090-036815	.. Front Slide Rod Bracket (20" Table)	1
	090-295841	.. Front Slide Rod Bracket (24", 26", & 30" Table)	1
7	091-984237	.. Screw, Soc. Hd. Set 1/4-20NC x 5/16"	2
8	090-507112	.. Miter Attachment Sub-Assembly (20" Table)	1
	090-507104	.. Miter Attachment Sub-Assembly (24" Table)	1
	090-553041	.. Miter Attachment Sub-Assembly (26" Table)	1
	090-507120	.. Miter Attachment Sub-Assembly (30" Table)	1
9	090-036765	.. Pointer	1
10	091-990085	.. Screw, Oven Hd. Mach. No.8-32NC x 1/4" (Cad. Pltd.)	2
11	090-036724	.. Degree Plate	1
12	091-993998	.. Screw, Rd. Hd. Drive, Pk. No.4 x 1/4 Type "U"	4
13	103-203063	.. Miter Bar (20" Table)	1
	104-203013	.. Miter Bar (24" Table)	1
	091-029447	.. Miter Bar (26" Table)	1
	111-203014	.. Miter Bar (30" Table)	1
14	104-203021	.. Gauge Rod	1
15	134-174010	.. Thumb Screw	1
16	090-042540	.. Roll Pin	2
17	134-204072	.. Miter Head Pivot	1
18	090-051319	.. Handwheel	1
19	090-042292	.. Roll Pin	1
20	090-036773	.. Stud	1
21	090-405986	.. Slide Arm	1
22	090-209412	.. Miter Head	1
23	134-204106	.. Locking Stud Washer	1
24	134-204098	.. Pivot Washer	1
25	091-982363	.. Screw, Soc. Hd. Cap, 1/4-20NC x 1/2"	2

*NOTE: FOR MODELS V26 & V60
BEFORE SERIAL NO'S. 26431075 &
604394 ORDER V36 PARTS OR
ASSEMBLY.

XNOTE: BEFORE 8-21-41 3 PARTS
MARKED X MUST BE REPLACED AT
THE SAME TIME.

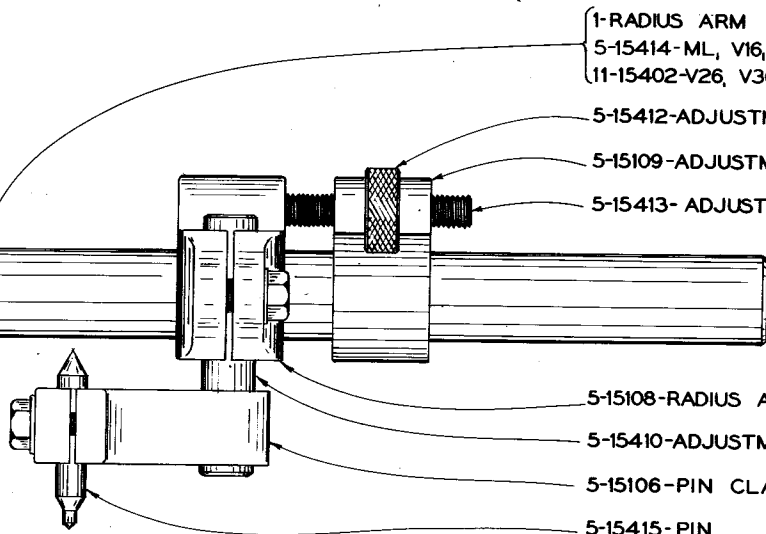


1-POST CLAMP PLATE
5-15301-ML, V16, V36, Z16, Z36-16
17-15301-V26, V60 ----- *

1-RADIUS ARM
5-15414-ML, V16, Z16
11-15402-V26, V36, V60, Z36-16
5-15412-ADJUSTMENT WHEEL ----- 1
5-15109-ADJUSTMENT HOUSING ----- 1
5-15413-ADJUSTMENT SCREW ----- 1

1-POST CLAMP
5-15101-ML, V16, V36, Z16, Z36-16
17-15101-V26, V60 ----- *

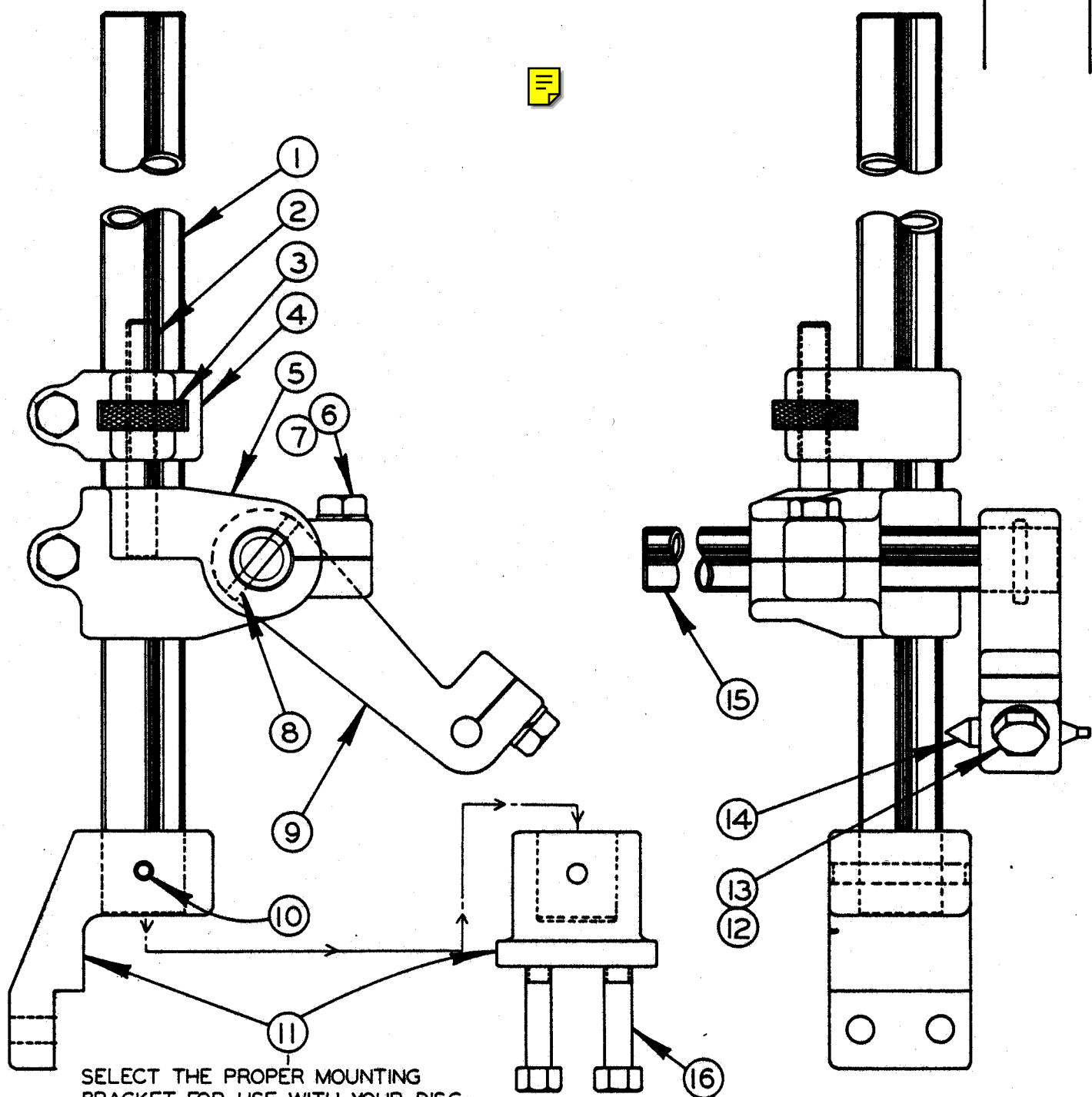
5-15108-RADIUS ARM CLAMP ----- 1X
5-15410-ADJUSTMENT PIN ----- 1X
5-15106-PIN CLAMP ----- 1X
5-15415-PIN ----- 1



MODELS ML, V16, Z16 _ 5-15006
MODELS V36, Z36-16 _ 11-15002
MODELS V26, V60 _ 35-5471 *

DISC CUTTING ASSEMBLY

FIRST UNIT 4-11-38
LAST UNIT 1954



SELECT THE PROPER MOUNTING BRACKET FOR USE WITH YOUR DISC-CUTTER.

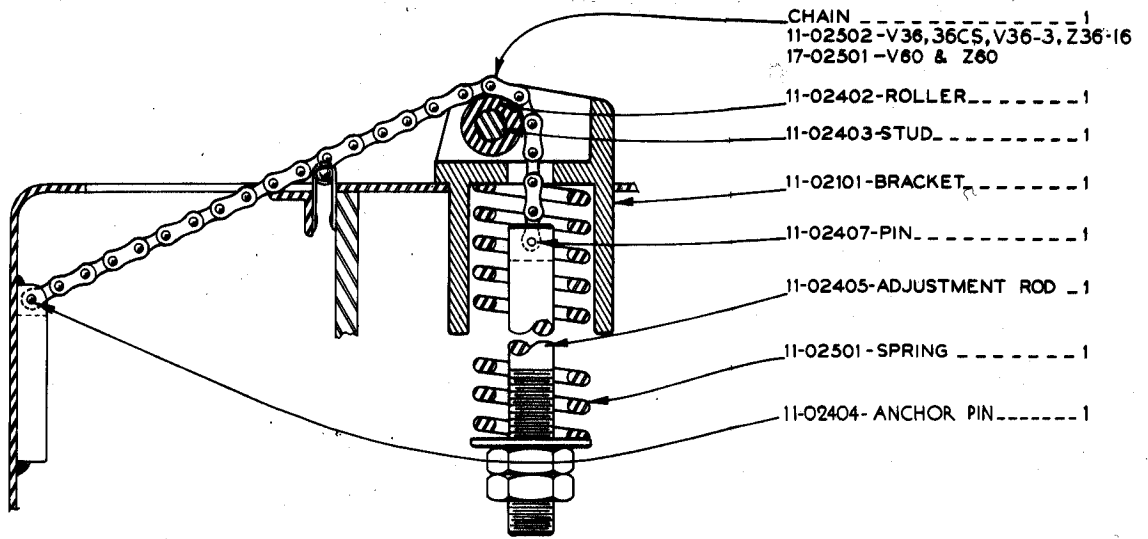
DISC CUTTER ASSEMBLY

DISC CUTTER ASSEMBLY

INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
REF.	094-020807	Disc Cutter Assembly (Contour & Contour-Matic Machines)	
REF.	090-400441	Disc Cutter Assembly (Zephyr, 6013-3, 6013-H3)	
1	135-033991	. Radius Arm	1
2	105-154132	. Adjustment Screw	1
3	105-154124	. Adjustment Wheel	1
4	105-151096	. Adjustment Housing	1
5	135-034007	. Radius Arm Clamp	1
6	091-980466	. Screw, Hex. Hd. Cap 3/8-16NC x 1	3
7	091-993329	. Washer, Lock 3/8 Std.	3
8	090-042615	. Roll Pin	1
9	135-034023	. Center Pin Clamp	1
10	090-042763	. Roll Pin (Used on Ass'y #094-020807)	1
	090-042755	. Roll Pin (Used on Ass'y #090-400441)	1
11	090-390196	. Bracket (Used on Ass'y #094-020807)	1
	090-200452	. Bracket (Used on Ass'y #090-400441)	1
12	091-980292	. Screw, Hex. Hd. Cap 5/16-18NC x 1	3
13	091-993238	. Washer, Lock 5/16 Std.	3
14	105-154157	. Center Pin	1
15	135-034015	. Center Adjustment Tube	1
16	091-980334	. Screw, Hex. Hd. Cap 5/16-18NC x 2(DZ-36 Only) ..	2
	091-980318	. Screw, Hex. Hd. Cap 5/16-18NC x 1 1/2 (All other Models)	2

Following Items Not Shown:

134-203082	. Wrench	1
091-980284	. Screw, Hex. Hd. Cap 5/16-18NC x 7/8 (Used Only on Ass'y #094-020807)	

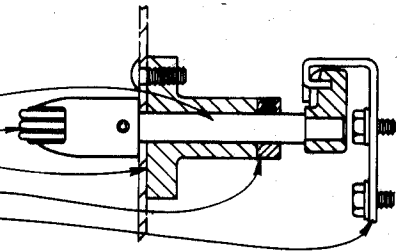


DOOR COUNTERBALANCE

MODEL	FIRST MACH
36CS	48051
V36	3639117
V36-3	37-51101
V60	604050
Z36-16	4736051
Z60	6005148

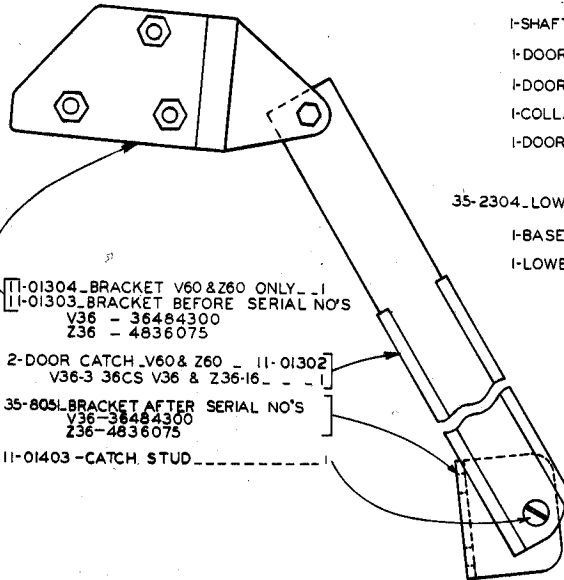
35-8224_UPPER DOOR HANDLE ASS'Y

- I-SHAFT & LATCH ASS'Y 11-01003
- I-DOOR HANDLE _ _ _ 11-01102
- I-DOOR LATCH BEARING_11-01103
- I-COLLAR _ _ _ _ _34-05410
- I-DOOR LATCH BRACKET_11-01301



35-2304_LOWER DOOR HANDLE ASSY.

- I-BASE DOOR LATCH _ _ 5-02101
- I-LOWER DOOR HANDLE _ 5-02003



DOOR HANDLE ASS'YS &
 AUTOMATIC DOOR CATCH

MODEL	FIRST MACH	LAST MACH
36CS	48051	54087
V36	363949	36535628
V36-3	37-51101	37-53204
V60	604050	6052142
Z36-16	4736051	5336145
Z60	6005148	6009053

* NOTE: BEFORE JULY 10, 1945
35-1605-WASHER WAS 34-05305



- 35-2459-WASHER ---- 2
- 35-1606 - SLEEVE ---- 1
- 1-OILER ---- 5-05518
- 1-BOLT ---- 5-05410
- 2-WASHER ---- 34-03406

VARIABLE ASS'Y.
35-6597

5-05513-OILER BEFORE
5-1-43

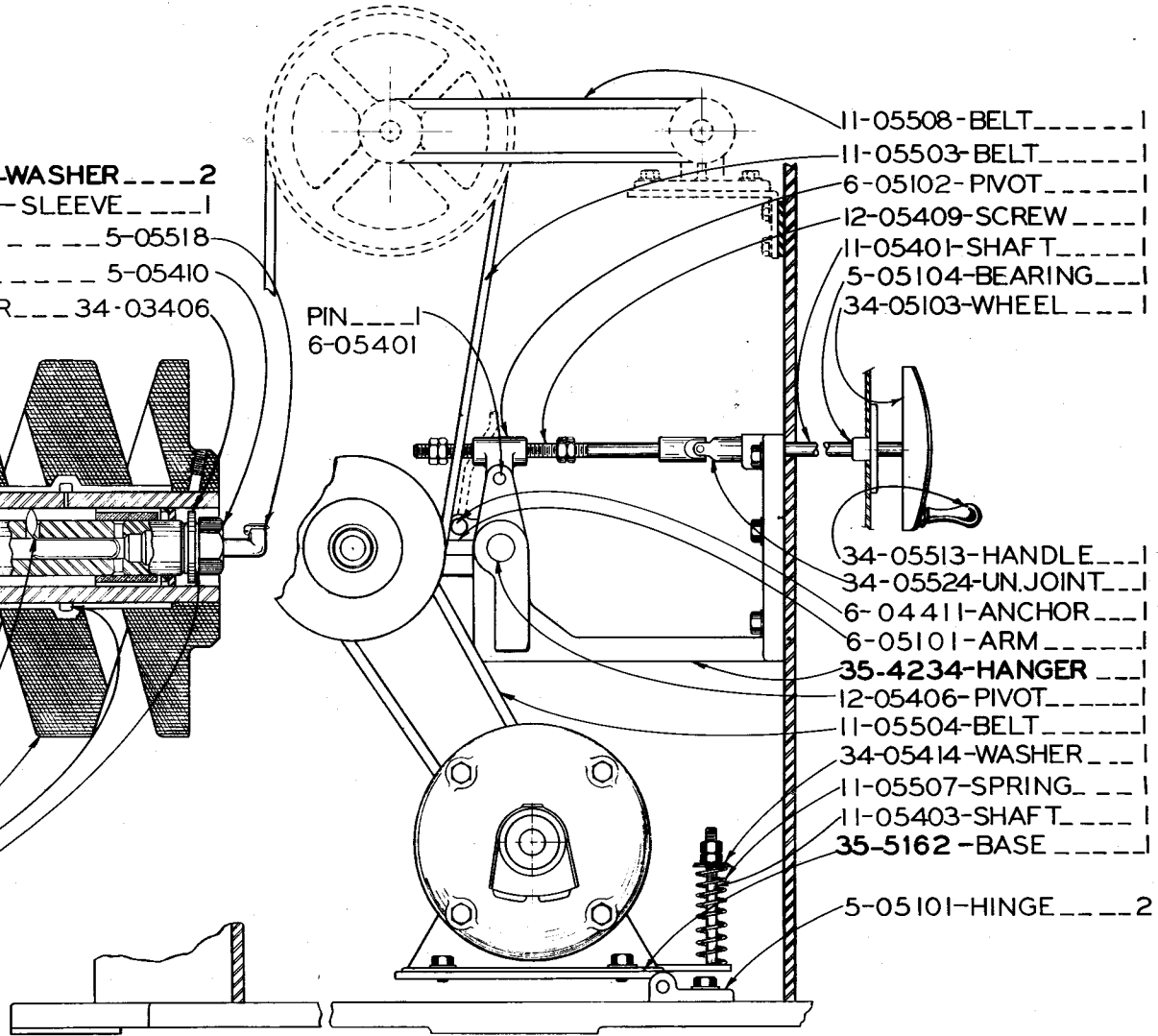
- 1 RING ---- 34-05525
- 2-WASHER ---- *35-1605
- 2-BEARING ---- 34-05517
- 1-SHAFT ---- 34-05401
- 1-CARRIER ---- 34-05311
- 2-SHEAVE ---- 6-05202
- 1-SHEAVE ---- 34-05204
- 1-FELT ---- 34-05523
- 3-GASKET ---- 34-05519

PIN ---- 1
6-05401

- 11-05508-BELT ---- 1
- 11-05503-BELT ---- 1
- 6-05102-PIVOT ---- 1
- 12-05409-SCREW ---- 1
- 11-05401-SHAFT ---- 1
- 5-05104-BEARING ---- 1
- 34-05103-WHEEL ---- 1

- 34-05513-HANDLE ---- 1
- 34-05524-UN.JOINT ---- 1
- 6-04411-ANCHOR ---- 1
- 6-05101-ARM ---- 1
- 35-4234-HANGER ---- 1
- 12-05406-PIVOT ---- 1
- 11-05504-BELT ---- 1
- 34-05414-WASHER ---- 1
- 11-05507-SPRING ---- 1
- 11-05403-SHAFT ---- 1
- 35-5162-BASE ---- 1

5-05101-HINGE ---- 2



VARIABLE ASSEMBLY - MODEL V-36

FIRST MACHINE 363901
LAST MACHINE 36463909

*NOTE: BEFORE SERIAL NO. 36474007
REPLACE 11-05512 & 35-6039
AT THE SAME TIME.

**BEFORE SERIAL NO. 36504585
20606 BASE WAS 35-5162

C-5-11

VARIABLE
ASSEMBLY
35-6597

- 11-05512-OILER.....*
- 35-6039 - SCREW.....*
- 34-05519-GASKET.....3
- 35-2736-WASHER.....2
- 35-4052-SHAFT.....1
- 35-7315-SHEAVE & SLEEVE ASSY.1

- 2-RETAINER.....3575
- 2-OIL SEAL.....3576
- 35-4053-WICK.....8

- 34-05525-SNAP RING.....1
- 35-6381-BOLT.....1

PIN.....1
6-05401

- 21349.VAR. SCREW ASSY.1
- 3248 -SHAFT.....1
- 5-05104-BEARING.....1
- 34-05103-WHEEL.....1
- 35-993-SHIM.....AS
REQD

- 34-05513-HANDLE.....1
- 34-05524-UN. JOINT.....1
- 6-04411-ANCHOR.....1
- 6-05101-ARM.....1
- 40518 -HANGER.....1
- 12-05406-PIVOT.....1

- 34-05414-WASHER.....1
- 2491 -SPRING.....1
- 5-05404-SHAFT.....1
- **20606 - BASE.....1

- 5-05101-HINGE.....2

NOTE: WHEN ORDERING MOTOR
PULLEYS ORDER AS FOLLOWS
60 CYCLE .3/4" BORE - 5-05504
25-60 CYCLE .3/4" BORE .35-8125
FOR 5/8" BORE - - 7837

VARIABLE ASSEMBLY — MODEL V-36

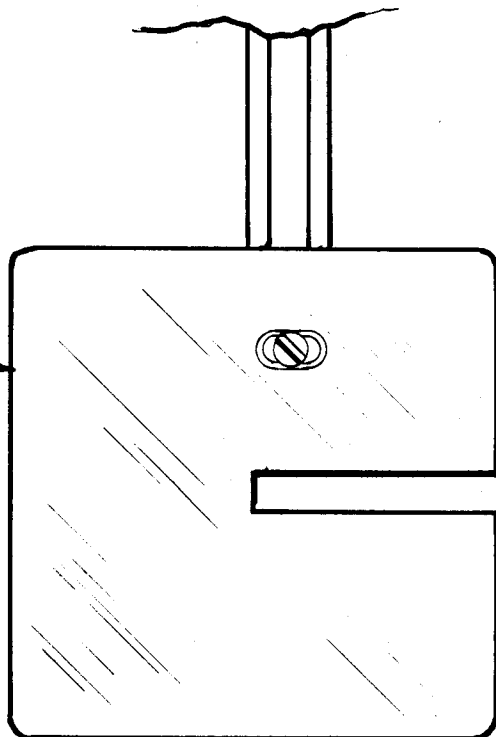
FIRST MACHINE 36463910
LAST MACHINE 36535628

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*NOTE: BEFORE 2-14-46 FILLER PLATE & FILING PLATE MUST BE REPLACED AT SAME TIME.

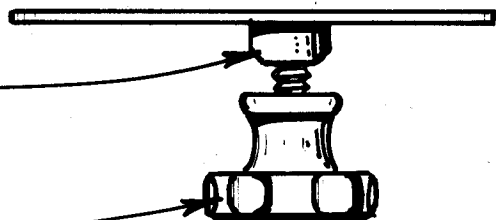
**NOTE: BETWEEN SERIAL NO'S V26 26431075 & 26512420 & V60 604394 & 6051116, ORDER-35-3805 AUX. TABLE FILING PLATE.

*I-FILING PLATE 35-3802



I-FILLER PLATE
FOR TABLE WITH 1" SLOT . . . 35-3803
FOR TABLE WITH 1-1/4" SLOT . . . 35-3798

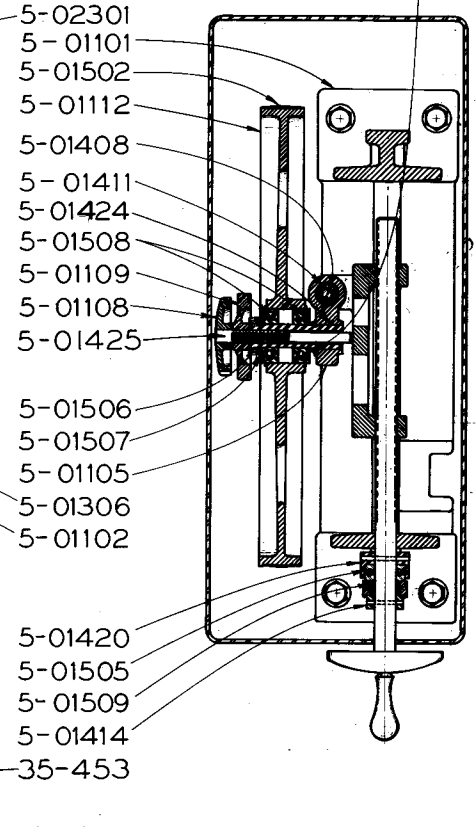
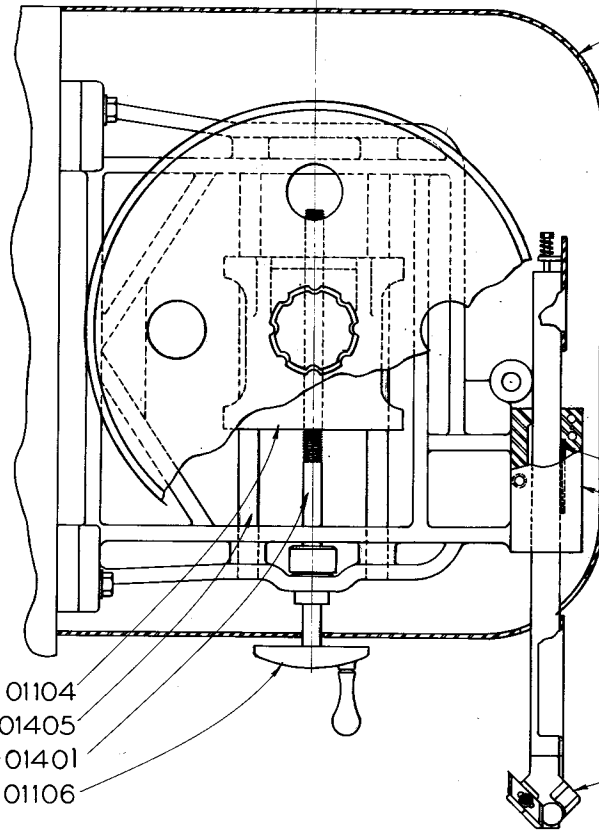
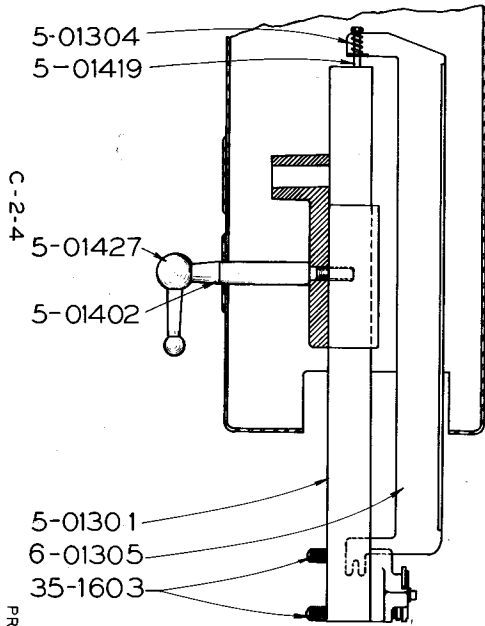
I-HANDWHEEL AND STUD ASSY.
FOR TABLE WITH 1" SLOT . . . 5-03005
FOR TABLE WITH 1-1/4" SLOT . . . 13-03003



FIRST UNIT 4-11-38

FOR 1" FILLER PLATE . . . 35-3804
FOR 1-1/4" FILLER PLATE . . . 35-3805**

AUXILIARY TABLE FILING PLATE



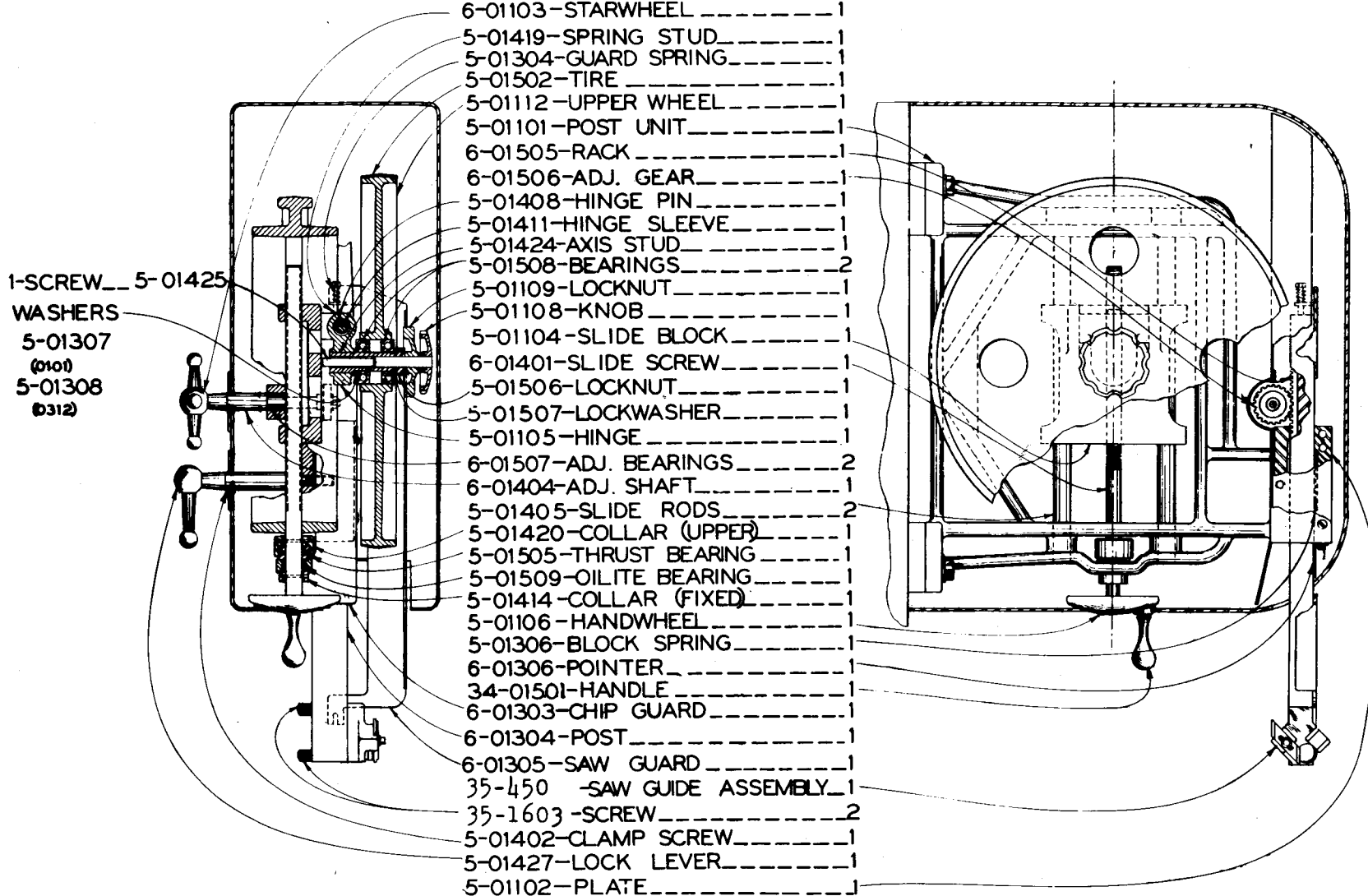
WASHERS
5-01307
(.0101)
5-01308
(.0312)

C-2-4

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HEAD ASSEMBLY - MODEL - ML & V-36

MODEL ML V-36
FIRST 3801 363901
LAST 39699 3639119



HEAD ASSEMBLY — MODELS ML & V-36 -6-01002

MODEL	FIRST MACH.	LAST MACH.
ML	39700	447769
V-36	3639120	36443239

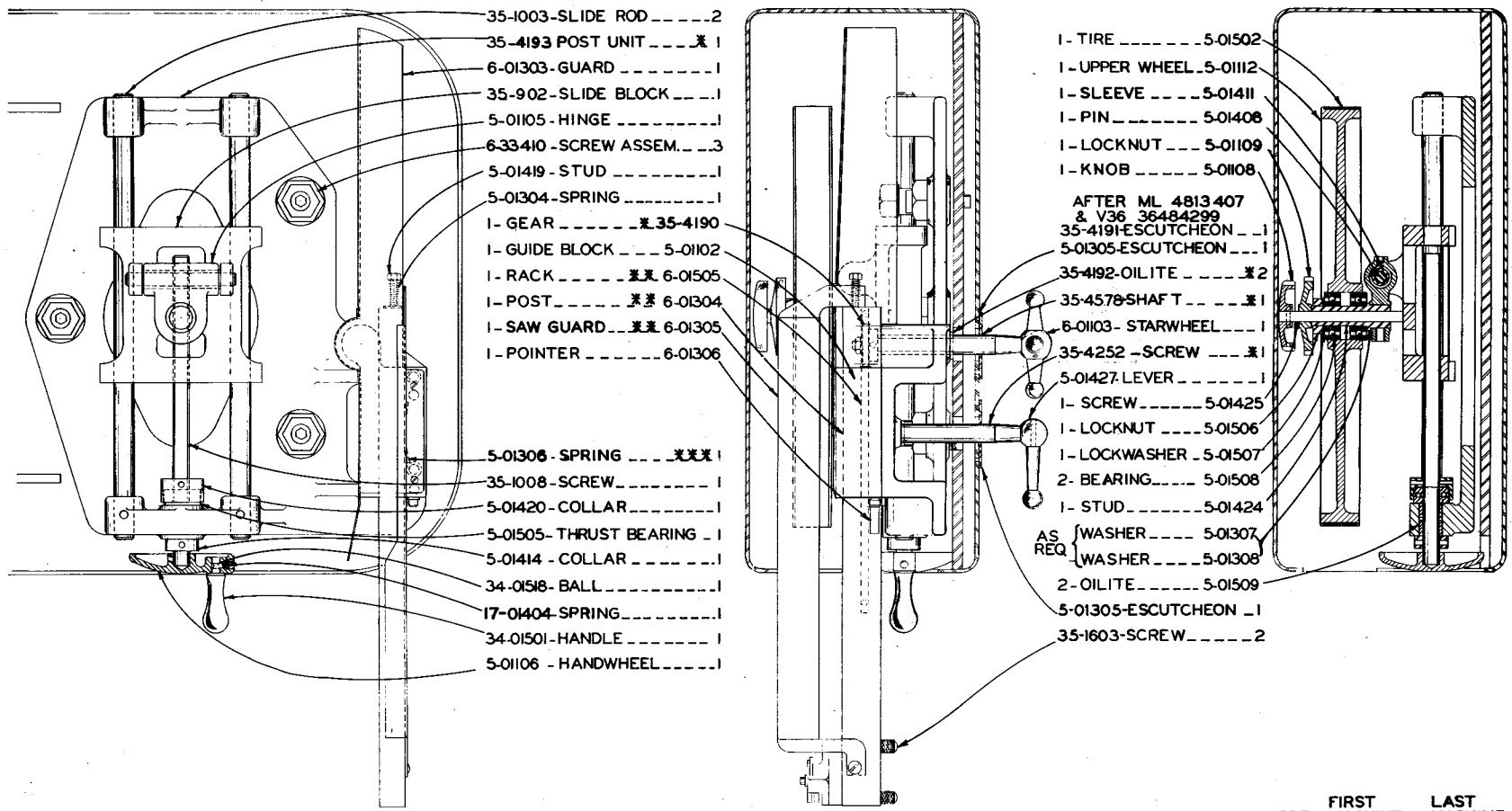
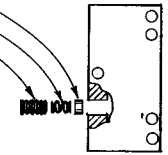
C-2-5

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NOTE: *BEFORE SERIAL NOS. ML 4813408
& V36 36484300
35-4190 GEAR WAS - - 6-01506
35-4192-OILITE WAS - - 6-01507
35-4193-POST UNIT WAS - 35-1210
35-4252-SCREW WAS - - 35-1007
35-4578-SHAFT WAS - - 35-1211

NOTE: ** ON THE V36 ONLY AFTER
SERIAL NO. 36484300.
RACK - - - - - 13-01503
POST - - - - - 35-8116
SAW GUARD - - - 35-8117

NOTE: *** AFTER SERIAL NOS. ML 4913857 &
V36 36484410.
1-INSERT - - - 35-9190
1-SPRING - - - 35-9188
1-SCREW - - - 35-9189



- 35-1003-SLIDE ROD ----- 2
- 35-4193 POST UNIT ----- 1
- 6-01303-GUARD ----- 1
- 35-902-SLIDE BLOCK ----- 1
- 5-01105-HINGE ----- 1
- 6-33410-SCREW ASSEM. ----- 3
- 5-01419-STUD ----- 1
- 5-01304-SPRING ----- 1
- 1-GEAR ----- 35-4190
- 1-GUIDE BLOCK ----- 5-01102
- 1-RACK ----- 6-01505
- 1-POST ----- 6-01304
- 1-SAW GUARD ----- 6-01305
- 1-POINTER ----- 6-01306
- 5-01306-SPRING ----- 1
- 35-1008-SCREW ----- 1
- 5-01420-COLLAR ----- 1
- 5-01505-THRUST BEARING ----- 1
- 5-01414-COLLAR ----- 1
- 34-0518-BALL ----- 1
- 17-01404-SPRING ----- 1
- 34-01501-HANDLE ----- 1
- 5-01106-HANDWHEEL ----- 1

- 1-TIRE ----- 5-01502
- 1-UPPER WHEEL ----- 5-01112
- 1-SLEEVE ----- 5-01411
- 1-PIN ----- 5-01408
- 1-LOCKNUT ----- 5-01109
- 1-KNOB ----- 5-01108
- AFTER ML 4813407 & V36 36484299
- 35-4191-ESCUTCHEON ----- 1
- 5-01305-ESCUTCHEON ----- 1
- 35-4192-OILITE ----- 2
- 35-4578-SHAFT ----- 1
- 6-01103-STARWHEEL ----- 1
- 35-4252-SCREW ----- 1
- 5-01427-LEVER ----- 1
- 1-SCREW ----- 5-01425
- 1-LOCKNUT ----- 5-01506
- 1-LOCKWASHER ----- 5-01507
- 2-BEARING ----- 5-01508
- 1-STUD ----- 5-01424
- AS REQ { WASHER ----- 5-01307
- { WASHER ----- 5-01308
- 2-OILITE ----- 5-01509
- 5-01305-ESCUTCHEON ----- 1
- 35-1603-SCREW ----- 2

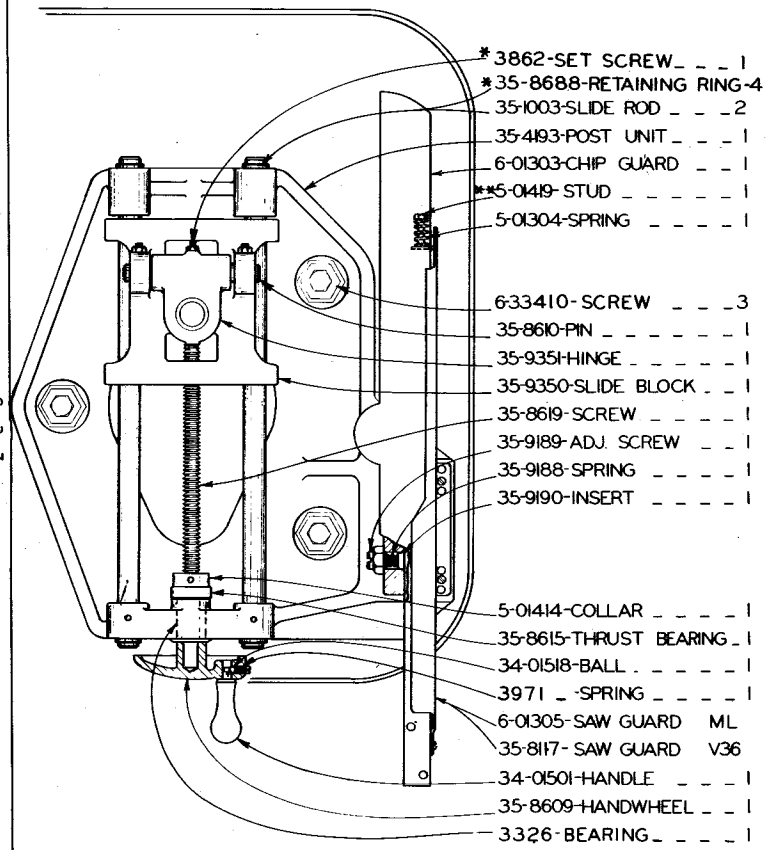
HEAD ASSEMBLY MODELS ML & V36

MODEL	FIRST MACHINE	LAST MACHINE
ML V36	447770 36443240	4913966 36494430

C-2-6

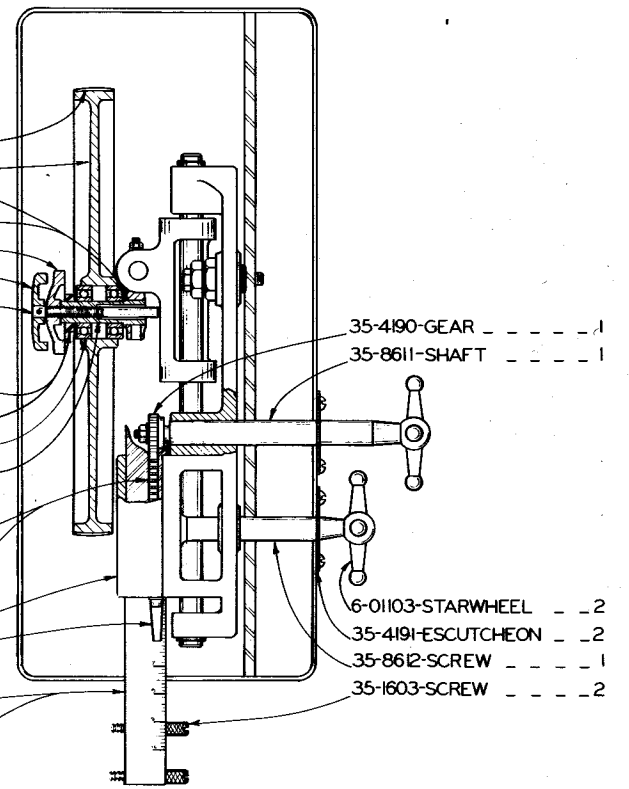
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C-2-7



- *3862-SET SCREW _ _ _ 1
- *35-8688-RETAINING RING-4
- 35-1003-SLIDE ROD _ _ _ 2
- 35-4193-POST UNIT _ _ _ 1
- 6-01303-CHIP GUARD _ _ _ 1
- *5-0419-STUD _ _ _ 1
- 5-01304-SPRING _ _ _ 1
- 633410-SCREW _ _ _ 3
- 35-8610-PIN _ _ _ 1
- 35-935-HINGE _ _ _ 1
- 35-9350-SLIDE BLOCK _ _ 1
- 35-8619-SCREW _ _ _ 1
- 35-9189-ADJ. SCREW _ _ _ 1
- 35-9188-SPRING _ _ _ 1
- 35-9190-INSERT _ _ _ 1
- 5-01414-COLLAR _ _ _ 1
- 35-8615-THRUST BEARING _ 1
- 34-01518-BALL _ _ _ 1
- 3971-SPRING _ _ _ 1
- 6-01305-SAW GUARD ML
- 35-8117-SAW GUARD V36
- 34-01501-HANDLE _ _ _ 1
- 35-8609-HANDWHEEL _ _ _ 1
- 3326-BEARING _ _ _ 1

- I-TIRE _ _ _ _ _ 5-01502
- I-UPPER WHEEL _ 5-01112
- AS WASHER _ _ 5-01307
- REQ WASHER _ _ 5-01308
- I-LOCKNUT _ _ _ 5-01109
- H-KNOB _ _ _ _ 5-01108
- I-SCREW _ _ _ _ 5-01425
- I-LOCKNUT _ _ _ 5-01506
- I-LOCKWASHER _ 5-01507
- 2-BEARINGS _ _ _ 5-01508
- I-STUD _ _ _ _ 5-01424
- I-RACK ML _ _ _ 6-01505
- I-RACK V36 _ _ _ 13-01503
- I-GUIDE BLOCK _ _ 35-8621
- I-POINTER _ _ _ 6-01306
- I-POST ML _ _ _ 6-01304
- I-POST V36 _ _ _ 35-8116



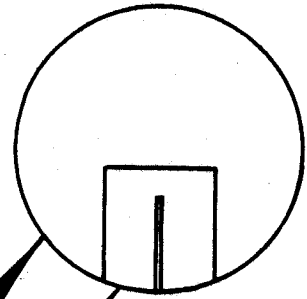
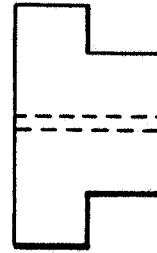
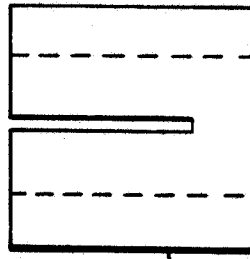
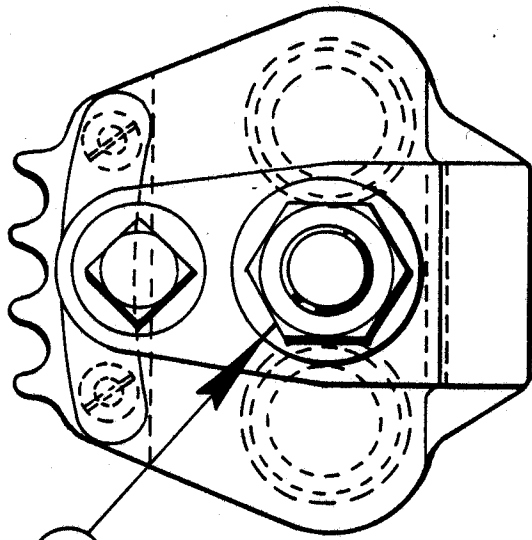
- 35-4190-GEAR _ _ _ _ 1
- 35-8611-SHAFT _ _ _ _ 1
- I-LOCKNUT _ _ _ 5-01506
- I-LOCKWASHER _ 5-01507
- 2-BEARINGS _ _ _ 5-01508
- I-STUD _ _ _ _ 5-01424
- I-RACK ML _ _ _ 6-01505
- I-RACK V36 _ _ _ 13-01503
- I-GUIDE BLOCK _ _ 35-8621
- I-POINTER _ _ _ 6-01306
- I-POST ML _ _ _ 6-01304
- I-POST V36 _ _ _ 35-8116
- 6-01103-STARWHEEL _ _ 2
- 35-4191-ESCUTCHEON _ _ 2
- 35-8612-SCREW _ _ _ 1
- 35-1603-SCREW _ _ _ 2

**NOTE: AFTER [ML SER. NO. 5115784] USE 1/4"-20 x 1 1/2" HEX. HD. CAP SCR.
 [V36 SER. NO. 36514938]

*NOTE WHEN REORDERING PART
 35-1003 ALSO ORDER 35-8688.

HEAD ASSEMBLY MODELS ML & V36

MODEL	FIRST MACH	LAST MACH
ML	4913967	5418353
V36	36494431	36535628



3

1

2

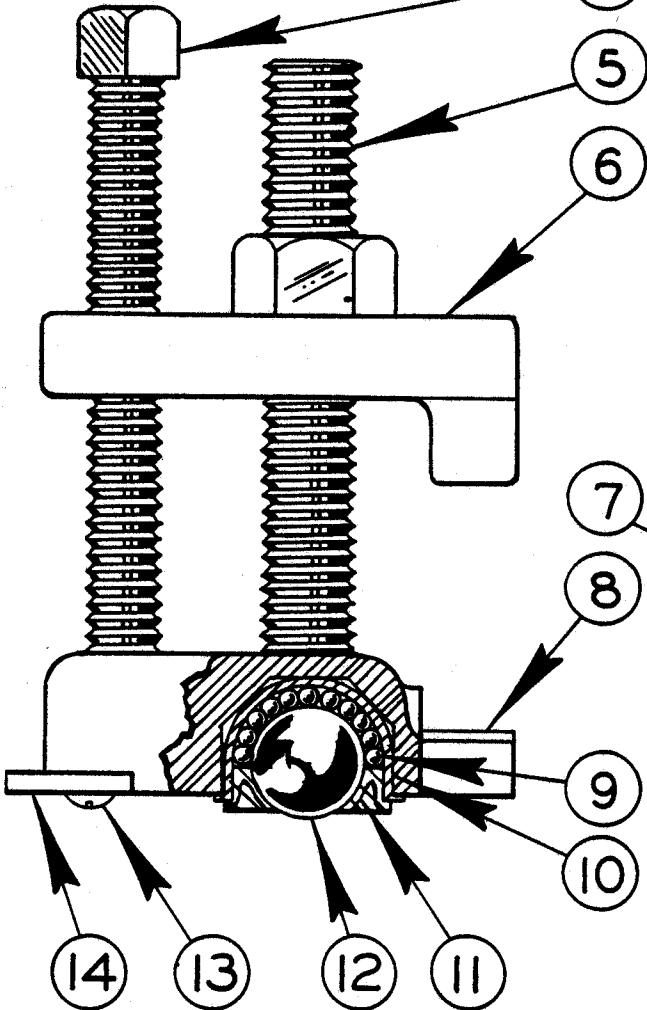
1

REDRAWN SW. 5 - 12 - 78
REVISIONS

4

5

6



7

8

9

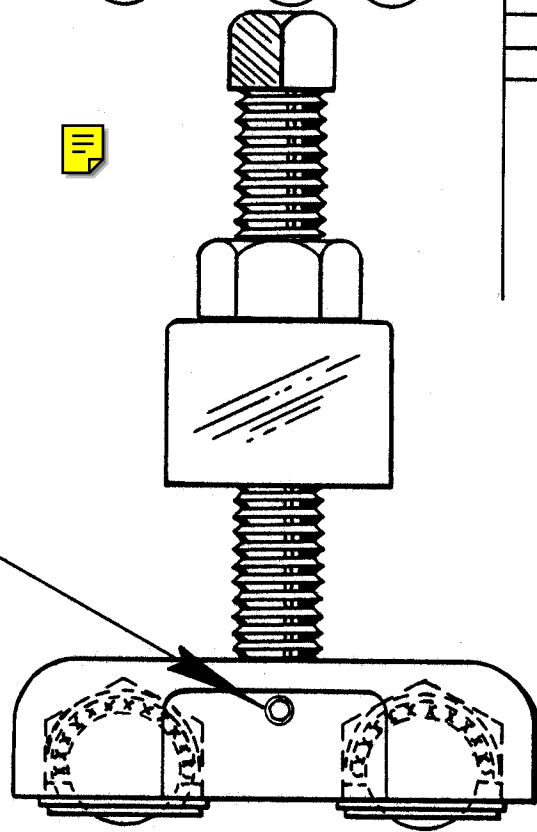
10

14

13

12

11



FIRST MACHINE 4-11-1938
LAST MACHINE 8-12-1968

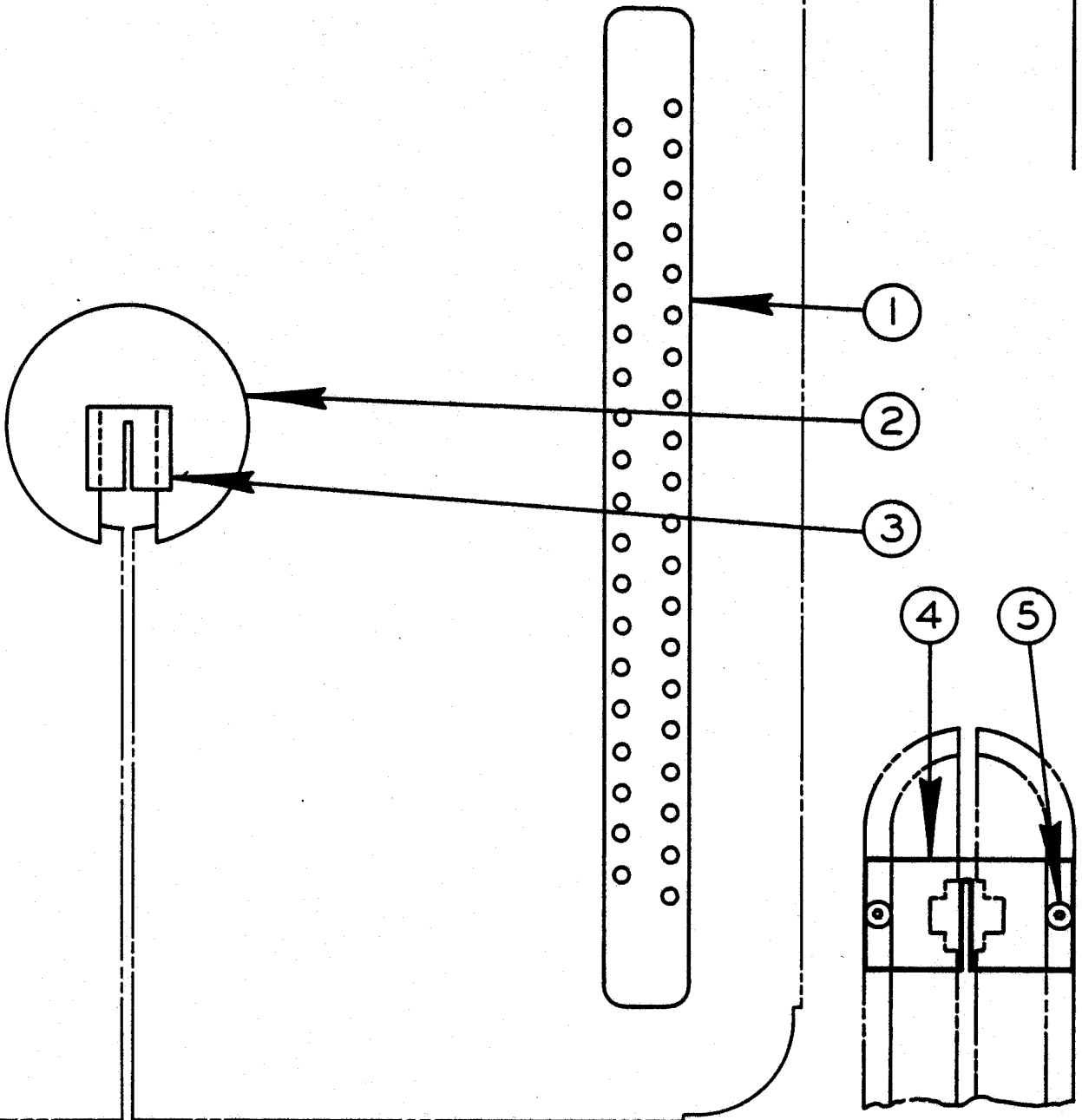
HEAVY PARALLEL WORK CLAMP ASSEMBLY

C-10-22 CM-10-13 Z-10-11

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HEAVY
PARALLEL WORK CLAMP ASSEMBLY

INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	106-240047	Parallel Work Clamp Assembly	
1	106-244130	. Center Support (1" Slot)	Use
	135-008787	. Center Support (1-1/4" Slot)	One
2	090-279506	. Center Plate (4-1/2" Dia.)	1
Ref.	135-051746	. Parallel Work Clamp Sub-Assembly	4
3	091-991356	. . Nut, Hex. 5/8-11NC	1
4	106-245087	. . Screw, Sq. Hd. Set	1
5	106-244155	. . Clamp Stud	1
6	106-243074	. . Parallel Arm Weldment	1
7	091-984112	. . Screw, Soc. Hd. Set #10-24NC x 3/8.....	1
8	106-241078	. . Clamp Body	1
9	106-245053	. . Ball	130
10	106-243066	. . Ball Cup	2
11	135-037976	. . Ball Retaining Ring	2
12	106-245046	. . Ball	2
13	091-988691	. . Screw, Rd. Hd. Mach. #10-24NC x 1/2	2
14	105-133136	. . Work Holding Jaw Sprocket (1/2" Pitch)	Use
	106-233372	. . Work Holding Jaw Sprocket (3/16" Pitch)	One

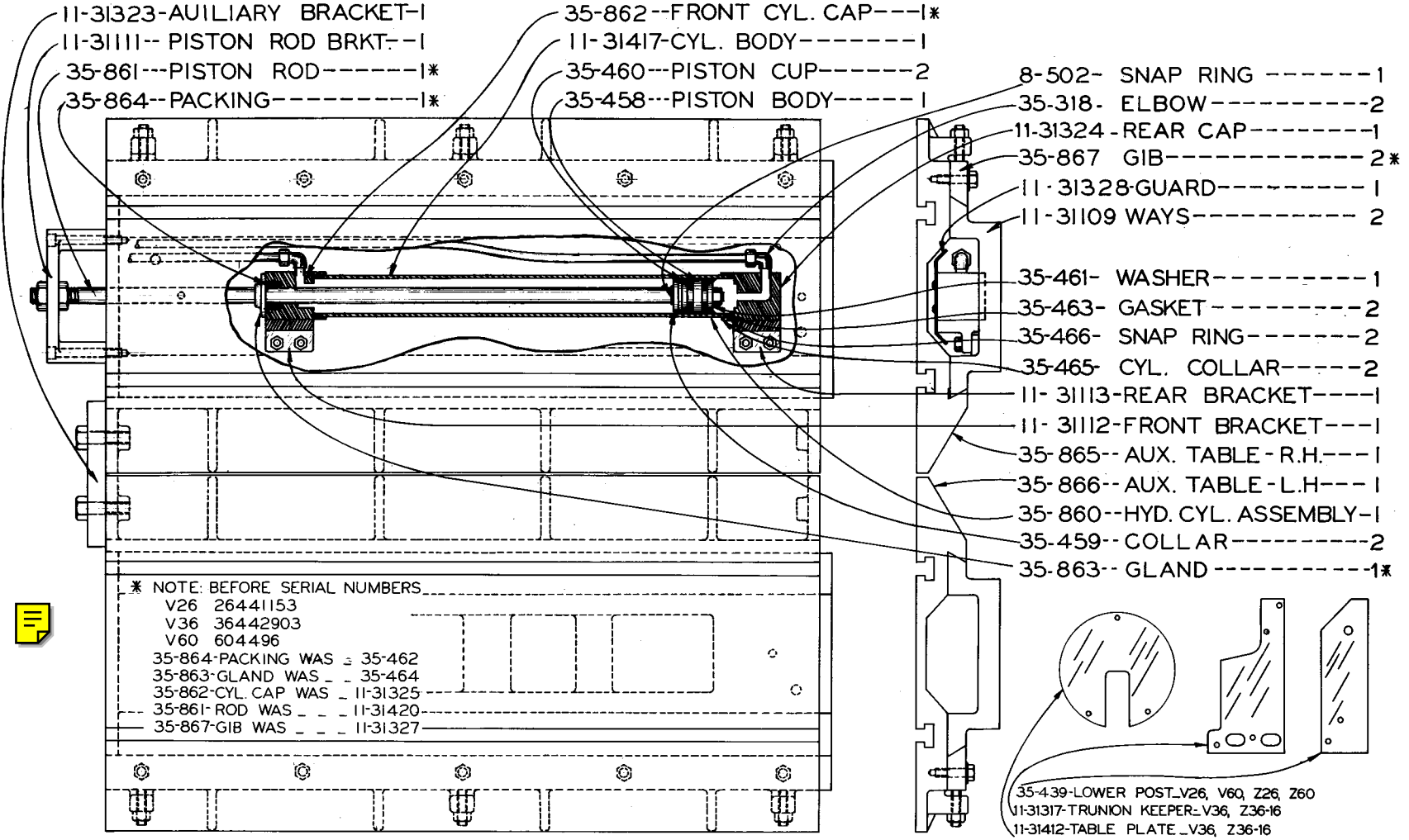


HEAVY WORK SLIDES

HEAVY WORK SLIDES

INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	090-450040	Heavy Work Support Assembly (1612, 1612-0, 1612-1, 2013, 2013-0, 2013-10, 2612-1, 2614-1, 3612, 3612-1, 3613-0, 3613-10, 3613-1, 2013-1)	
Ref.	135-052470	Heavy Work Support Assembly (1613-2, 2613-2, 3613-2, 6013-2, ZS-3620, ZV-3620, ZW-3620)	
Ref.	094-006921	Heavy Work Slide Assembly (2612-2H)	
1	106-233190	. Work Transport Bar	2
2	090-279506	. Center Plate (Assembly #090-450040 Only)	1
3	106-234529	. Center Support (Assemblies #090-450040 & 135-052470)	1
4	091-178145	. Center Support (Assembly #094-006921 Only)	1
5	091-983205	. Screw, Fl Hd. Soc. Cap 1/4-20NC x 3/4 (Assembly #094-006921 Only)	2

Z-8-5
C-9-102



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NOTE: FOR CONTROL PANEL & VALVE SEE HYDRAULIC POWER FEED DRAWING.

V26, V60, Z26, Z60 - 35-5439
 V36, Z36-16 - - 35-5438
 Z36 - - - - 11-31007
HYDRAULIC AUXILIARY TABLE

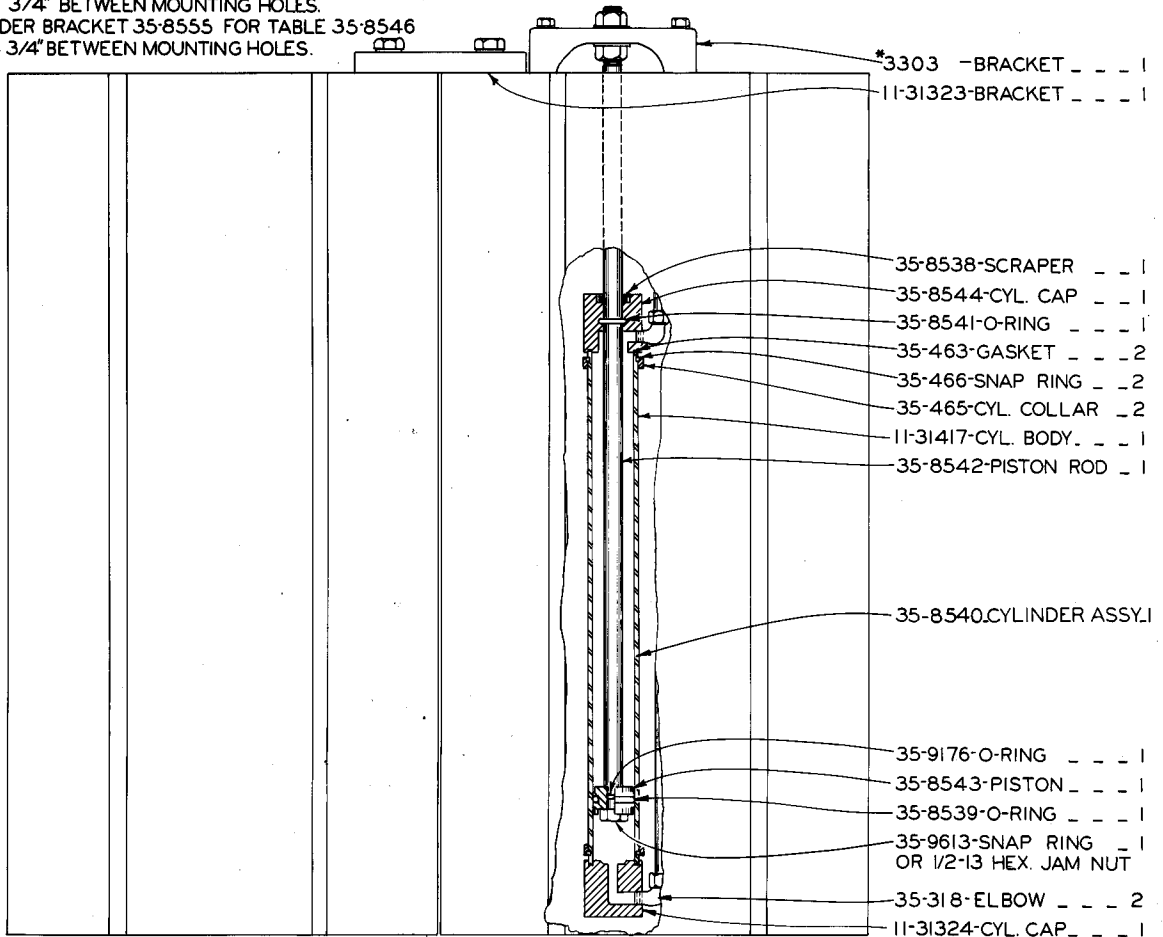
MODEL	FIRST MACH.	LAST MACH.
V26	26431078	26492191
V36	36432779	36494540
V60	604394	6049118
Z26	462651	492699
Z36	4405136	4963736
Z36-16	4736051	4936105
Z60	6005148	6005549

*ORDER BRACKET 3303 WITH TABLE 40533.

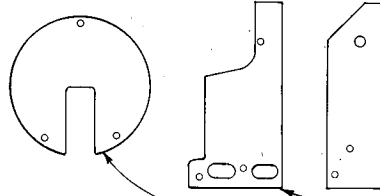
1 3/4" BETWEEN MOUNTING HOLES.

ORDER BRACKET 35-8555 FOR TABLE 35-8546

4 3/4" BETWEEN MOUNTING HOLES.

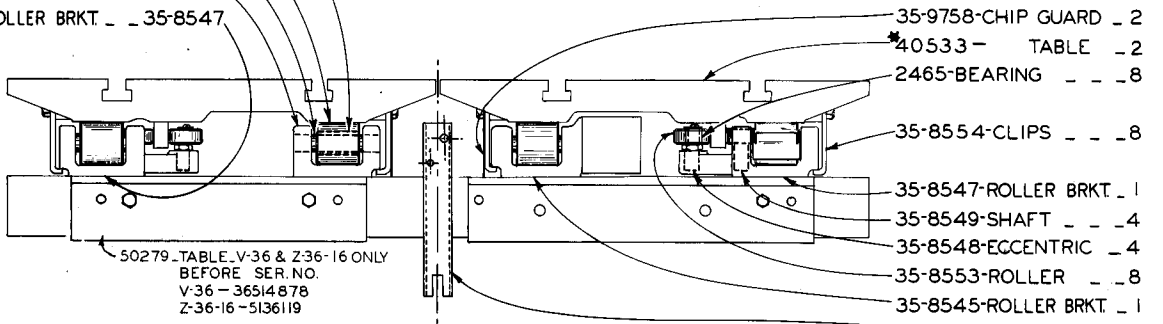


- 40-BEARINGS _ _ 5-01509
- 20-ROLLER _ _ _ 35-8551
- 20-SHAFT _ _ _ 35-8552
- 1-ROLLER BRKT _ _ 35-8577
- 1-ROLLER BRKT _ _ 35-8547



- 35-9744-SCRAPER _ 20
ONE ON EACH ROLLER

- ** 35-439-LOWER POST
V26, V60, Z26, Z60
- ** 11-31317-TRUNNION KEEPER
V36, Z36-16
- ** 11-31412-TABLE PLATE
V36, Z36-16



50279-TABLE-V-36 & Z-36-16 ONLY
 BEFORE SER. NO.
 V-36 - 36514878
 Z-36-16 - 5136119

** NOTE: LOWER POST 35-439 USED BEFORE

SERIAL NO'S	V26	26512421
	V60	60511226
	Z60	6006352

11-31317-KEEPER USED BEFORE SERIAL NO'S	V36	36514879
	Z36-16	5136120

11-31412-TABLE PLATE USED BEFORE SERIAL NO'S	V36	36514879
	Z36-16	5136120

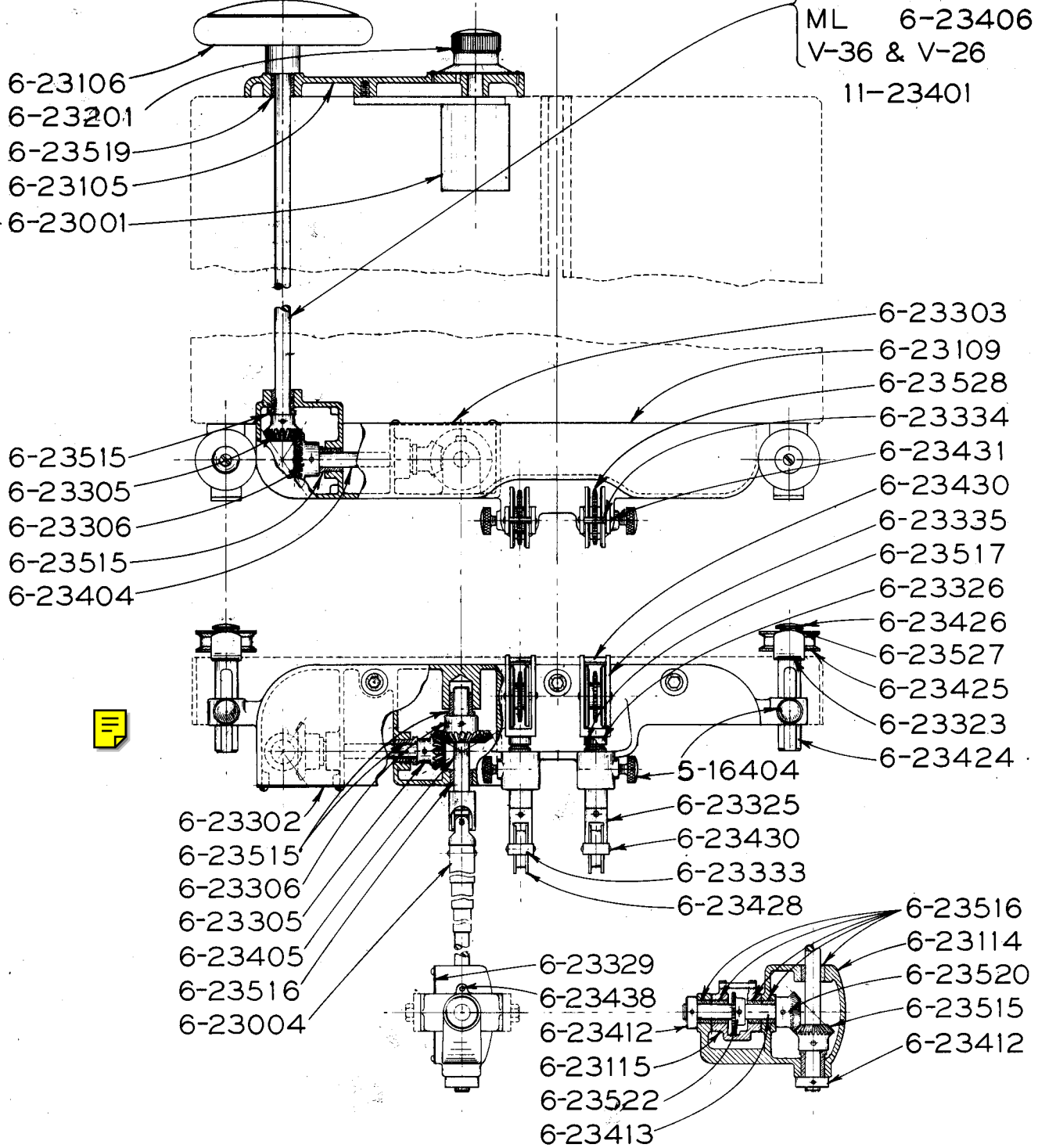
MODEL FIRST MACH. LAST MACH

V26	26492192	26532923
V36	36494541	36535628
V36-3	37-51101	37-53204
V60	6049119	6052142
Z26	4926100	5026110
Z36	4963836	5064436
Z36-16	4936106	5336145
Z60	6005649	6009053

35-8550 HYDRAULIC AUXILIARY TABLE

C-9-103 Z-8-6

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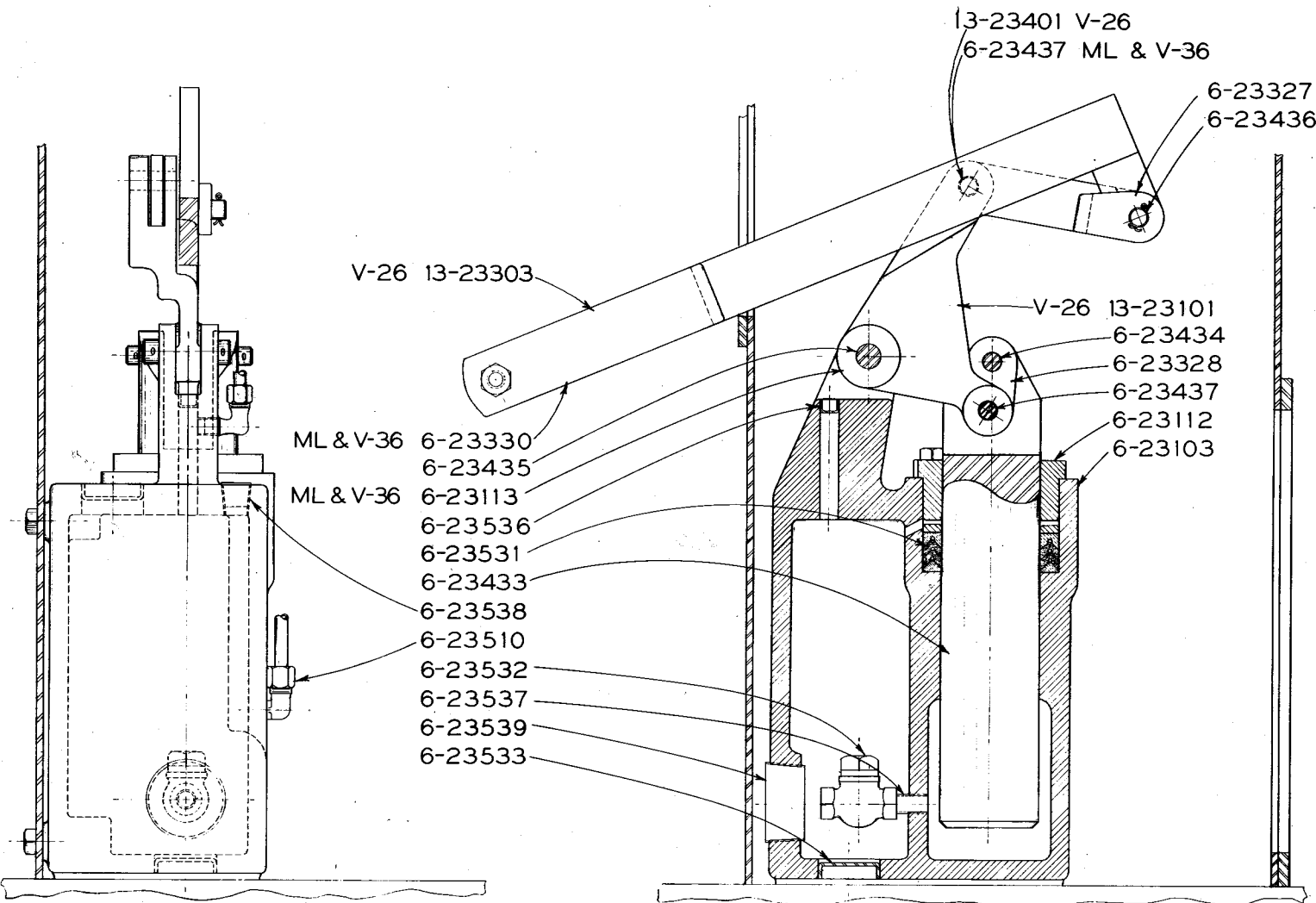


HYDRAULIC CONTOUR POWER FEED ARRANGEMENT CONTROLS

MODEL	FIRST MACH	LAST MACH
ML	40889	436686
V26	264072	26431077
V36	3640225	36432778

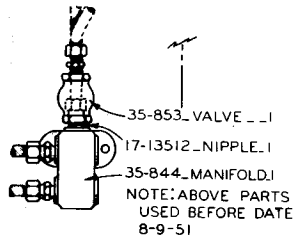
C-9-52

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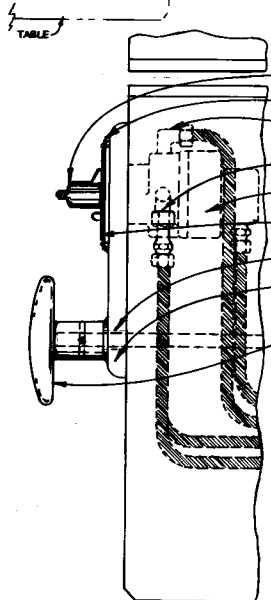


HYDRAULIC CYLINDER ASSEMBLY

MODEL	FIRST MACH	LAST MACH
ML	40889	436686
V26	264072	26431077
V36	3640225	36432778

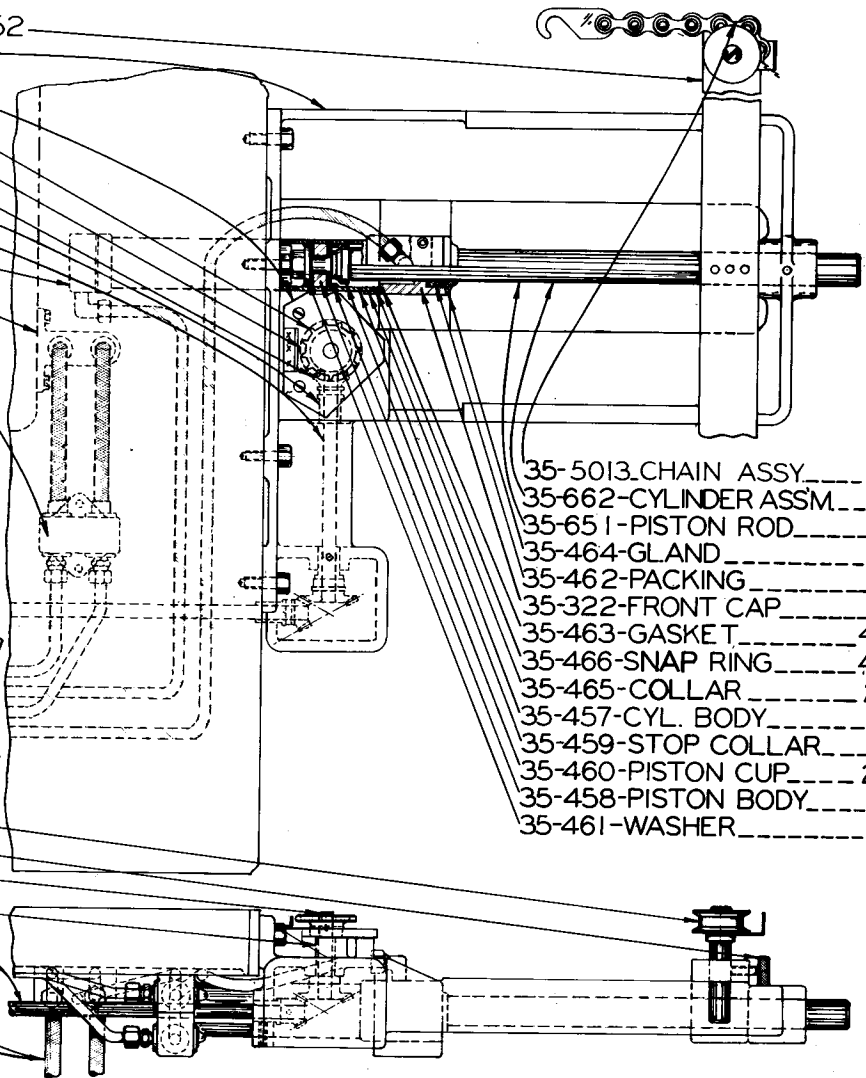


C-9-58, Z-8-3



- 1-BAR_60-2,36-2,26-2,DZ-36,35-652
- 1-BRACKET_____35-650
- 1-RETAINER_____35-673
- 1-SPROCKET_____35-672
- 2-GEAR_32 TEETH____6-23306
- 2-GEAR_16 TEETH____6-23305
- 3-OILITE_____6-23521
- 1-SHAFT_____35-499
- 1-REAR CAP_____35-477
- 1-FRAME MANIFOLD_35-838
- 1-TABLE MANIFOLD_35-837
- 35-822-HANDLE_____1
- 35-827-PLATE_____1
- 35-318-ELBOW_____4
- 35-319-UNION_____6
- 24406-VALVE ASSY____1
- 35-828_SEL PLATE____1
- 6-23519-OILITE_____1
- 35-829-PANEL_____1
- 35-667-HANDWHEEL____1

- 2-CLAMP_____35-497
- 2-ROLLER ASSEM____35-671
- 2-THUMB SCREW____34-17401
- 1-SHAFT_____35-478
- 1-OILITE_____4070
- 1-SHAFT_____DZ36 5121
- V26, V36, V36-3, V60, Z26, Z36-16, Z60, 35-334
- 2-HOSE_18"_____35-321
- OR_31"_____5260



- 35-5013.CHAIN ASSY_____1
- 35-662-CYLINDER ASSM____1
- 35-651-PISTON ROD_____1
- 35-464-GLAND_____1
- 35-462-PACKING_____1
- 35-322-FRONT CAP_____1
- 35-463-GASKET_____4
- 35-466-SNAP RING_____4
- 35-465-COLLAR_____2
- 35-457-CYL. BODY_____1
- 35-459-STOP COLLAR____1
- 35-460-PISTON CUP_____2
- 35-458-PISTON BODY____1
- 35-461-WASHER_____1

FITS FOLLOWING MODELS
BEFORE 1953.
V-26, V-36
V-36-3, V-60
Z-26, Z-36-16
Z-60, 16-2
36-2, 60-2
60-3, DZ 36

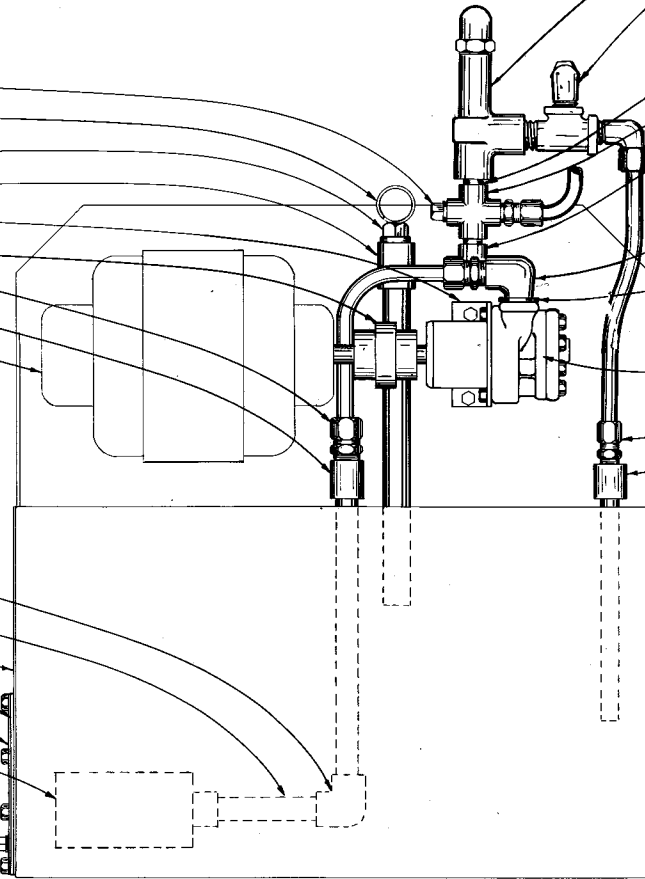
HYDRAULIC CONTOUR POWER FEED

C-9-75
Z-8-20

- 1-1/4 P PLUG - - - - - 5-04612
- 1-DIPSTICK - - - - - 35-846
- 1-PLUG - - - - - 35-849
- 1-1/2P COUPLING - - - - - 35-845
- 1-BRACKET - - - - - 35-840
- 1-COUPLING - - - - - 17-13504
- 2-3/8P X 1/2T UNION - - - - - 35-848
- 1-3/8P COUPLING - - - - - 35-852
- 1-1/3 HP MOTOR - - - - - 19570

- 1-3/8P ELBOW - - - - - 17-13515
- 1-3/8 X 4-1/2P NIPPLE - - - - - 35-3177
- 1-TANK - - - - - 35-839
- 1-GASKET - - - - - 35-842
- 1-PLATE - - - - - 35-841
- 1-OIL FILTER - - - - - 35-851
- 1-1/8P PLUG - - - - - 11-05509

- 17-13505-RELIEF VALVE - - - - - 1
- 35-318-1/4P X 3/8T. ELBOW - - - - - 3
- ALTERNATE-35-847-1/4P SERVICE TEE
35-317-1/4P X 3/8T TEE
- 17-13512-1/4P CLOSE NIPPLE - - - - - 2
- 35-850-1/4P CROSS - - - - - 1
- 35-519-1/4P STANDARD ELBOW - - - - - 1
- 35-2344-1/4 X 2 P NIPPLE - - - - - 1
- 17-13521-1/4P STREET ELBOW - - - - - 1
- 5-11513 3/8P STREET ELBOW - - - - - 1
- 35-300-1/2 TO 3/8P BUSHING
- 35-296-1/2 TO 1/4P BUSHING
- 5-11517-3/8 TO 1/4P BUSHING
- 35-341-HYDRAULIC PUMP [ROPER] - - - - - 1
- 4102- HYDRAULIC PUMP [TUTHILL] - - - - - 1
- GIVE MAKE OF PUMP WHEN ORDERING
- 35-319-1/4P X 3/8T UNION - - - - - 2
- 35-306-1/4P COUPLING - - - - - 1



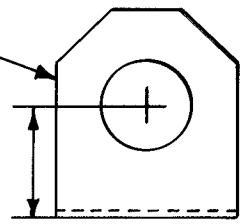
NOTE: IF PIPING IS DIFFERENT FROM
DRAWING, GIVE SIZE & DESCRIPTION
OF FITTINGS WHEN ORDERING.

MODELS ML, V26, V36, V60, Z16, Z26, Z36-16, Z60

HYDRAULIC TANK ASSEMBLY-35-5204

FIRST UNIT-10-15-43
LAST UNIT-8-14-52

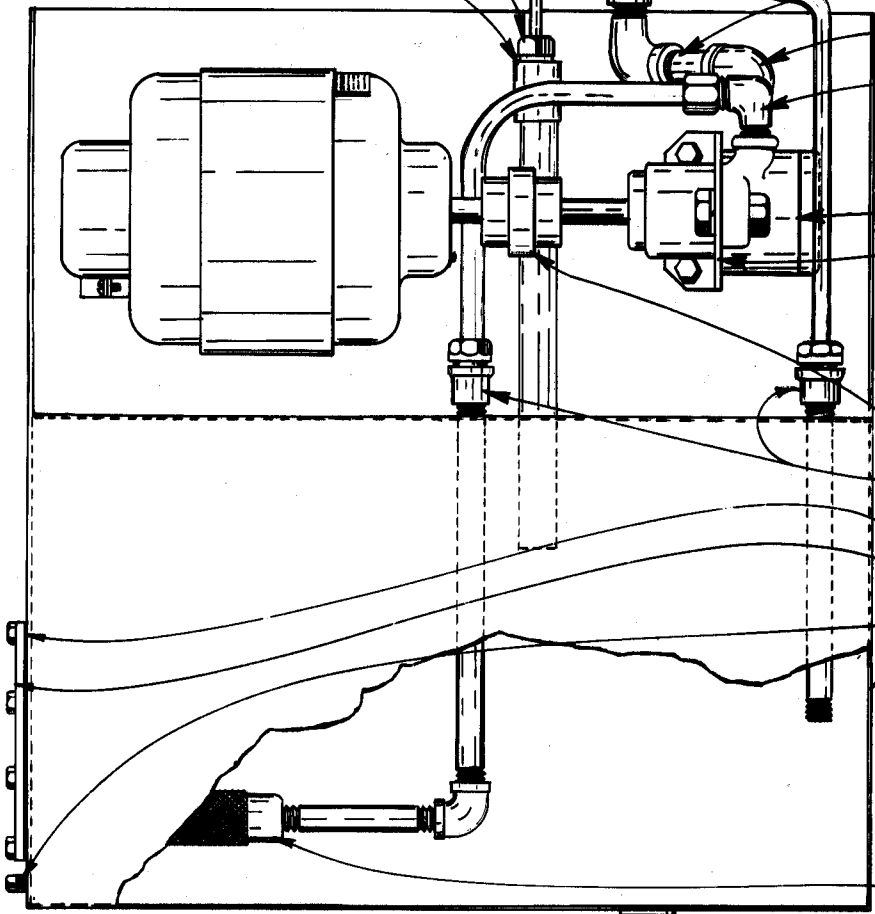
BRACKET-20622-DIM. TO ϕ OF SHAFT 3 1/2"
 BRACKET-26031-DIM. TO ϕ OF SHAFT 3"



NOTE: IF PIPING IS DIFFERENT FROM DRAWING GIVE SIZE & DESCRIPTION OF FITTINGS WHEN ORDERING.

- 2-NIPPLE---35-1127
- 3PLUG _ _ _ 6-33518
- 1-DIP STICK_ 35-846
- 1-PLUG _ _ _ 35-849
- 1-COUPLING_ 35-845

- 14-11505_RELIEF VALVE
- 35-983_TEE _ _ _ _ 1
- 14-115196_CONNECTOR
- 2028_CROSS _ _ _ _ 1
- 14-366_NIPPLE _ _ _ 1
- 5-11513_ELBOW _ _ _ 3
- 35-897_ELBOW _ _ _ 1
- 4102_PUMP _ _ _ _ 1
- 20622_BRACKET _ _ _ 1
- 26031_BRACKET _ _ _ 1
- SEE DETAIL ABOVE FOR CORRECT BRACKET
- 35-854 COUPLING_ 1
- 5849_UNION _ _ _ _ 2
- 4661_GASKET _ _ _ _ 1
- 4662_PLATE _ _ _ _ 1
- 11-05509_PLUG _ _ _ 1
- 50676_TANK _ _ _ _ 1
- 35-851_FILTER _ _ _ 1



* NOTE: WHEN ORDERING MOTOR SPECIFY VOLTAGE PHASE AND CYCLE.

35-5204
 HYDRAULIC TANK ASSEMBLY

FIRST UNIT 8-14-52

C-9-76, Z-8-21

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DoALL

CONTOUR MACHINE

DoALL COMPANY DES PLAINES, ILLINOIS, U.S.A.

RECOMMENDED SPEEDS AND BAND RECOMMENDATIONS APPLY ONLY TO DoALL BAND SAW BLADES. MACHINE PERFORMANCE CAN BE NO BETTER THAN THE BAND USED.

ALL RECOMMENDATIONS SHOWN ARE TO BE USED AS A GUIDE FOR MORE INFORMATION ABOUT CUTTING RATE, BAND LIFE, ETC. CONSULT THE INSTRUCTION MANUAL.

KNIFE

SCALLOP

FILE

FRICITION

ABRASIVE

PRECISION

DIAMOND

BUTTRESS

LINE GRIND

BUTTRESS

SPIRAL

CLAW TOOTH

OPERATION OF JOB SELECTOR DIAL
1. LOCATE TYPE OF BAND MACHINING ON OUTER EDGE OF DIAL. 2. LOCATE MATERIAL DIRECTLY BELOW WINDOW. 3. SELECT SPEEDS, ETC., ACCORDING TO WORK THICKNESS.

SAW BAND RADIUS GUIDE
FOR PRECISION, BUTTRESS AND CLAW TOOTH

BAND WIDTH	1 3/4"	5/8"	1/2"	3/8"	1/4"	3/16"	1/8"
	1/16"	3/32"	1/8"	3/16"	1/4"	5/16"	3/8"

COOLANT
POWER FEED
L-LIGHT
M-MEDIUM
H-HEAVY

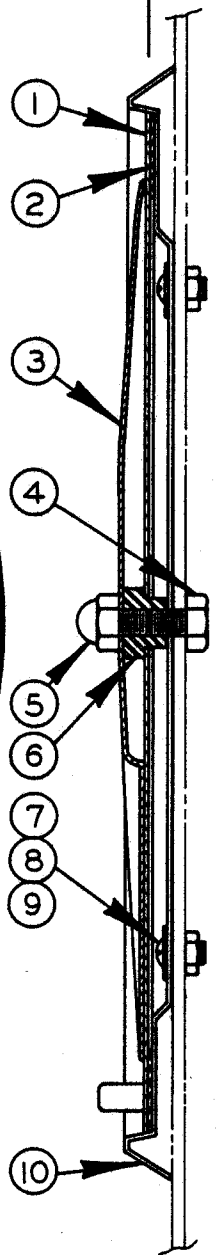
BAND PITCH
TEETH PER INCH
OP-PRECISION B-BUTTRESS
BP-CLAW TOOTH SCL-SCALLOP K-KNIFE
D-DIAMOND A-ABRASIVE FB-FRICATION
F-FILE L-LINE GRIND (AO) (SC) S-SPIRAL

BAND VELOCITY
FEET / MINUTE

COOLANT DATA
USE ONE PART DoALL HD600 TO 10 PARTS OF WATER FOR GENERAL PURPOSE MIST OR FLOOD COOLANT. FOR BEST RESULTS IN TOUGH ALLOYS, STAINLESS AND NONFERROUS SEE INSTRUCTION MANUAL FOR COOLANT AND CUTTING OIL RECOMMENDATIONS.

F-FLOOD M-MIST N-NONE

WORK THICKNESS	UNDER 1/2"	1/2" TO 1"	OVER 1"
F-FLOOD	L	M	H
WORK THICKNESS	UNDER 1/2"	1/2" TO 1"	OVER 3"
M-MIST	OP	BP	6P
WORK THICKNESS	UNDER 1/2"	1/2" TO 1"	OVER 3"
N-NONE	3C	5 200	175



JOB SELECTOR ASSEMBLY

C-8-104 CM-8-53 Z-6-54

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JOB SELECTOR

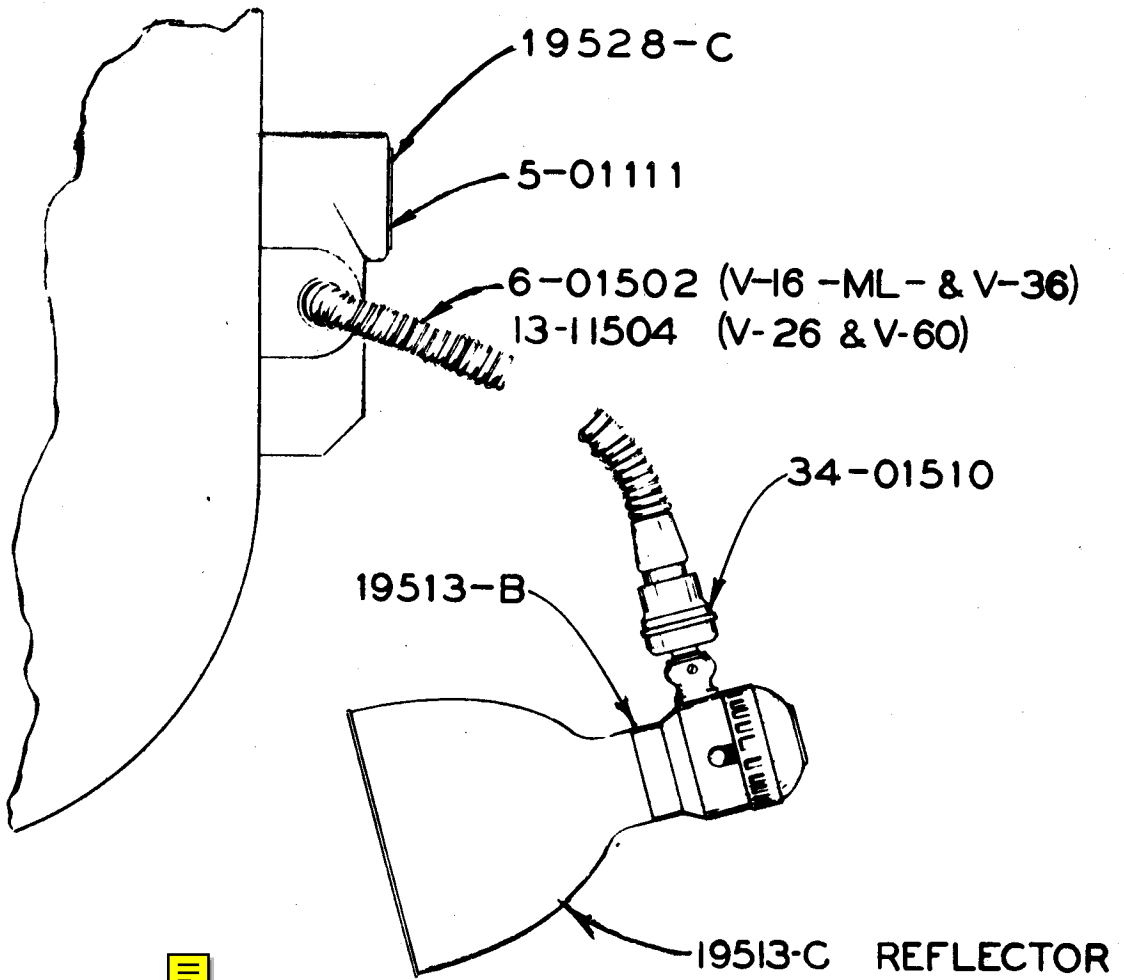
INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	090-468174	Job Selector (1612-U, 3012-U, 1611-H, 2612-1H, 2013, 2013-0, 2012-A, 2012-AT, 1612-0, 3613-0, 1612, 3612, 2013-1, 2013-10, 2012-1A, 2012-1AT, 3612-1H, 3612-1, 3613-10)	
*Ref.	090-435603	Job Selector (1612-1, 3613-1, 2612-1, 2613-2, 6013-2, 2618-4, HS-6013, ZW-3620, ZV-3620, ZS-3620)	
1	090-220781	. Job Selector Dial	1
2	106-143043	. Outer Edge Felt	4
3	094-008380	. Job Selector Plate	1
4	091-990283	. Screw, Truss Hd. Mach. 5/16-18NC x 3/4	1
	*091-980276	. Screw, Hex. Hd. Cap 5/16-18NC x 3/4	1
5	090-044496	. Acorn Nut 5/16-18NC	1
6	106-144017	. Bushing	Use
	*090-027012	. Bushing	One
*7	091-988907	. Screw, Rd. Hd. Mach. 1/4-20NC x 1/4	4
*8	091-993741	. Washer, Lock Shakeproof 1/4 Internal	4
*9	091-991141	. Nut, Hex. Jam 1/4-20NC	4
*10	090-426727	. Job Selector Frame	1

NOTE: Job Selectors #090-468174 & #090-435603, First Used 9/17/62. Before This Date #094-008380 Plate and #090-220781 Dial, Must Be Replaced Together As A Unit.

*NOTE: Starred Items Used Only On Assembly #090-435603.

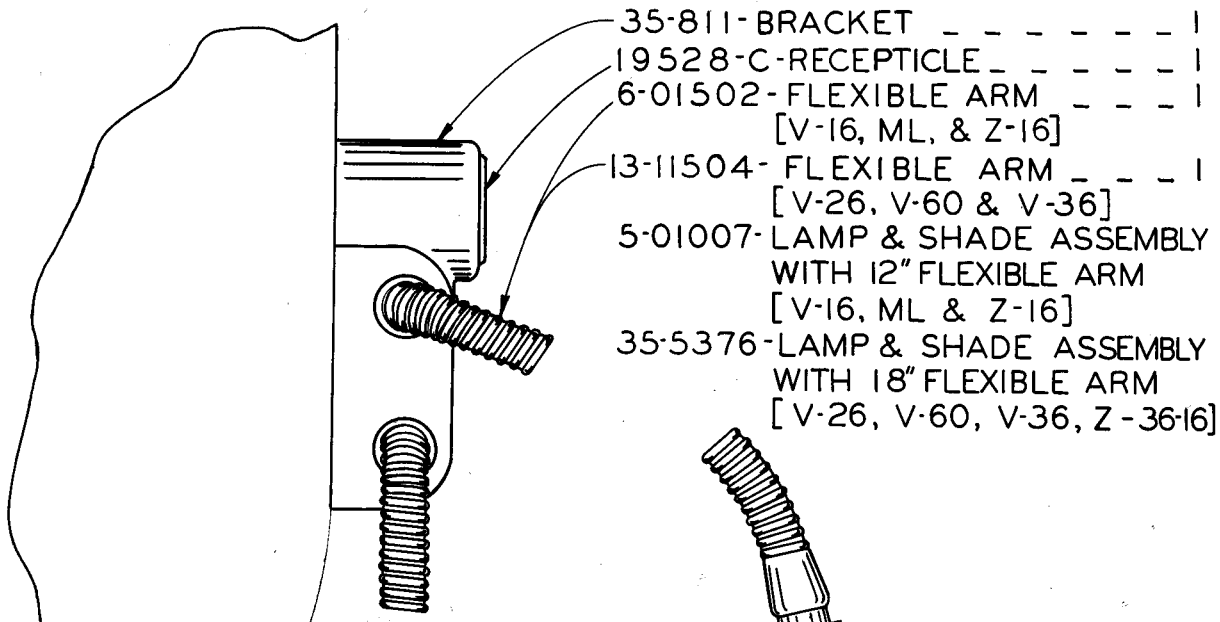
*NOTE: Last Used On Models:

MODEL	LAST MACH.
1613-2	150-69593
3613-2	151-69515
1612-3	152-691017
2613-3	198-69361
3612-3	153-691054
6013-3	199-70125
1612-H	288-69204
2612-H	284-69135
2612-2H	206-69308
3612-H	272-69152



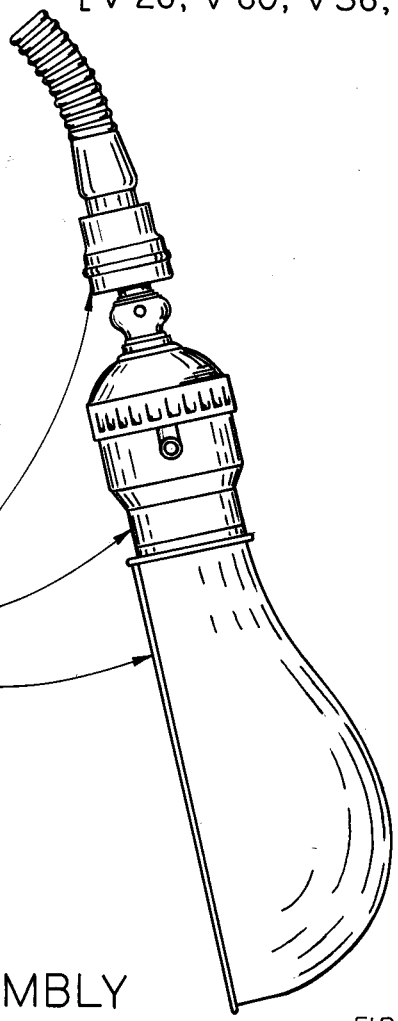
	First Machine	Last Machine
ML & V-16	3801	447198
V-36	363901	36443009
V-26	263951	26441211
V-60	604050	604498

LAMP ASSEMBLY-5-01007



- 35-811-BRACKET _ _ _ _ _ 1
- 19528-C-RECEPTICLE _ _ _ _ _ 1
- 6-01502-FLEXIBLE ARM _ _ _ _ _ 1
[V-16, ML, & Z-16]
- 13-11504-FLEXIBLE ARM _ _ _ _ _ 1
[V-26, V-60 & V-36]
- 5-01007-LAMP & SHADE ASSEMBLY
WITH 12" FLEXIBLE ARM
[V-16, ML & Z-16]
- 35-5376-LAMP & SHADE ASSEMBLY
WITH 18" FLEXIBLE ARM
[V-26, V-60, V-36, Z-36-16]

- I-BALL & SOCKET JOINT_34-01510
- I-SOCKET _ _ _ _ _ 19513-B
- I-REFLECTOR _ _ _ _ 19513-C



LAMP ASSEMBLY

MODEL	FIRST MACHINE	LAST MACHINE
ML, & V-16	4 47 199	5115574
V-26	26441212	26512425
V-36	36443010	36514876
V-60	604499	6051125
Z-16	4505116	5116337
Z-36-16	4736051	5136118

1-LAMP CORD ASSY..21514
FOR MP-20 _____ 21242

1-CONNECTOR _ _ _ 19514C

1-LIGHT CORD _ _ _ 19557

1-BUSHING _ _ _ _ 4 5 12

1-SOCKET _ _ _ _ 19513-B

1-LAMP BULB _ _ _ 1878

1-LAMP SHADE _ _ 20000

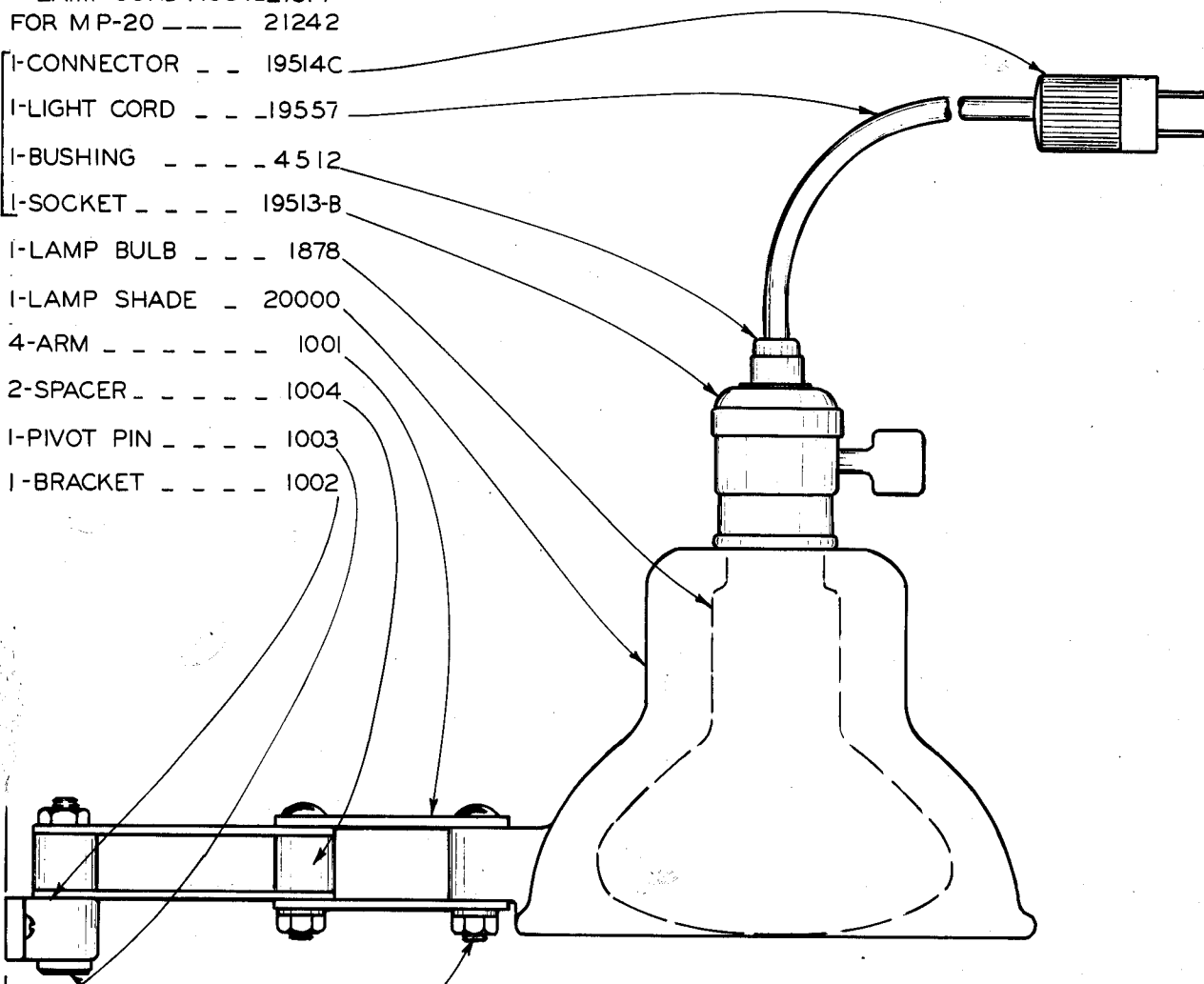
4-ARM _ _ _ _ _ 1001

2-SPACER _ _ _ _ 1004

1-PIVOT PIN _ _ _ 1003

1-BRACKET _ _ _ _ 1002

2-CARRIAGE BOLT & NUT..5030



LAMP ASSEMBLY

MODEL	FIRST MACH.	LAST MACH.
V-36-3	37-51101	37-53204
V-60	6051126	6052142
V-16	1651823	48399
ML	5115575	5418353
V-36	36514877	36535628
V-26	26512426	26532923
Z-16	5116338	5316402
Z-36-16	5136119	5336145
Z-60	6006351	6009053
MP-20	32-49101	32-53786

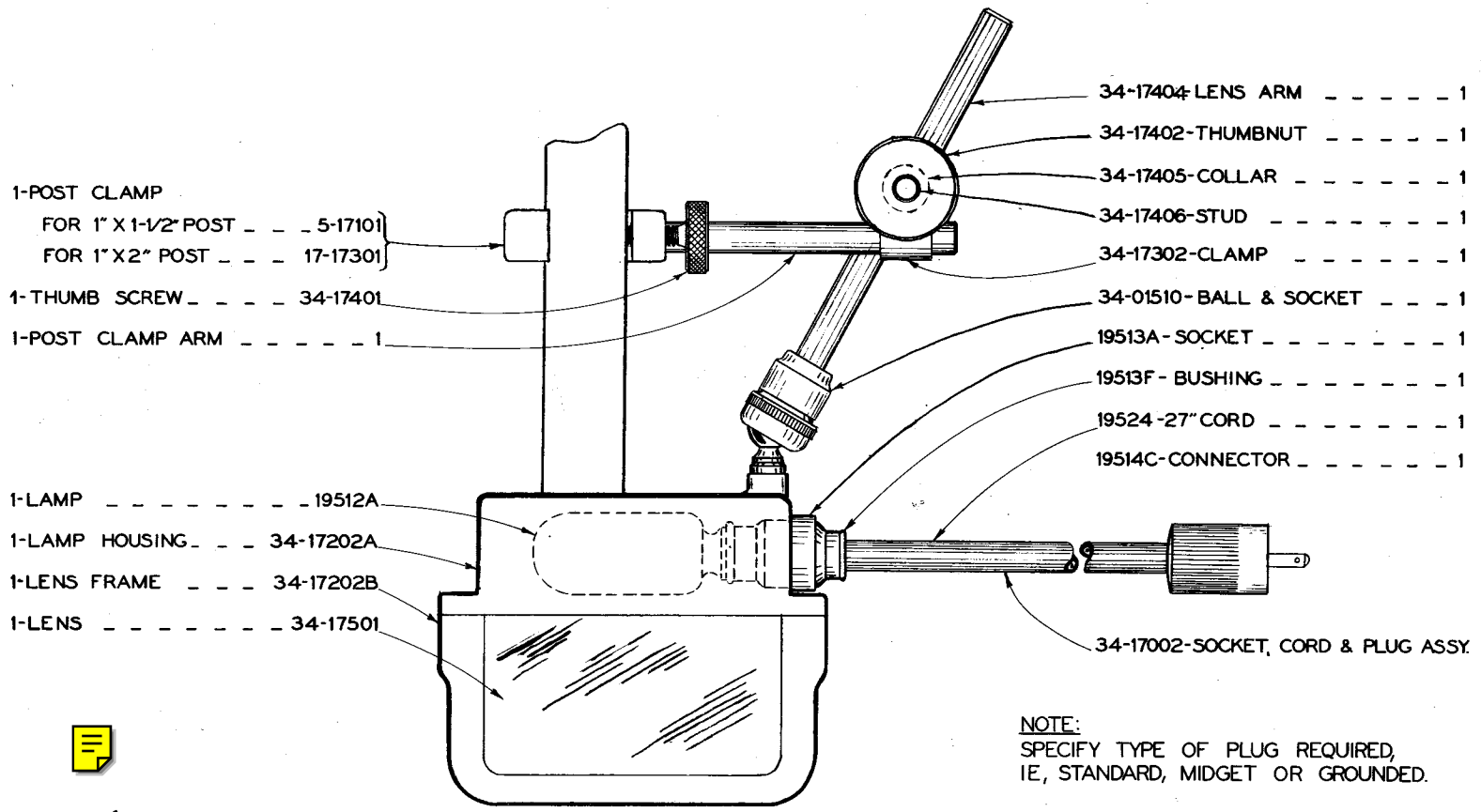
C - 8 - 2

CM - 8 - 26

Z - 7 - 3

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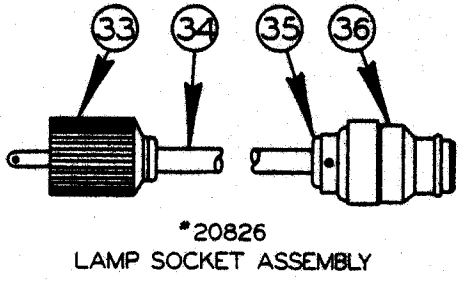
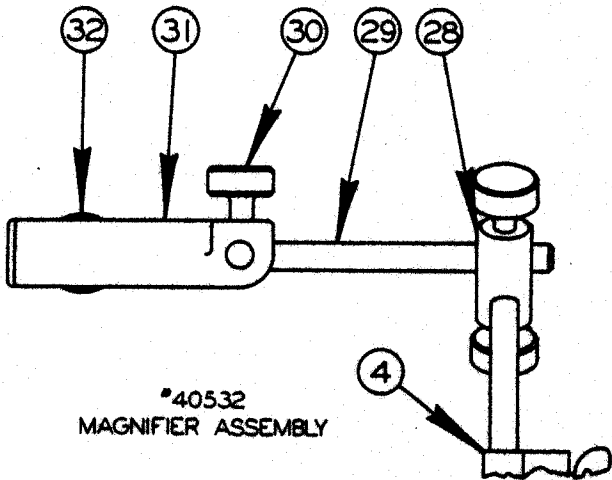
D-9



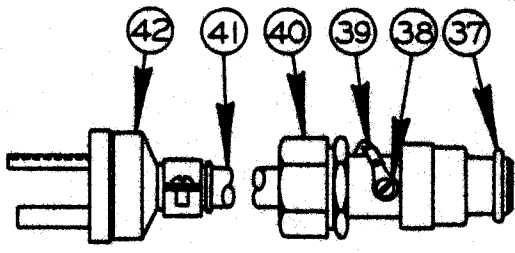
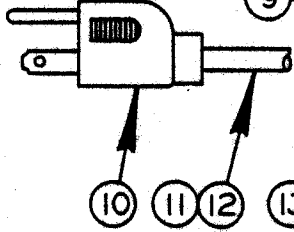
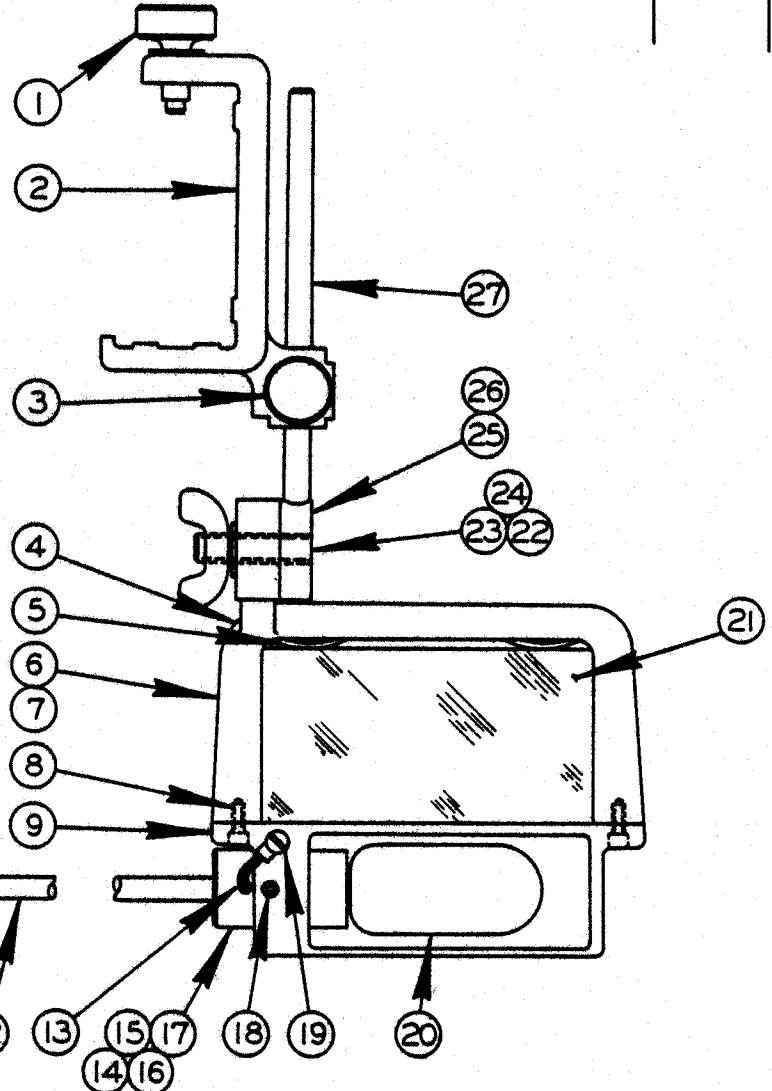
NOTE:
 SPECIFY TYPE OF PLUG REQUIRED,
 IE, STANDARD, MIDGET OR GROUNDED.

MODELS ML, V16, V26, V36, V60
 MAGNIFIER ATTACHMENT

FIRST UNIT 4-11-1938
 LAST UNIT 7-1-1943



ZEPHYRS ONLY



MAGNIFIER ATTACHMENT
ASSEMBLY

MAGNIFIER ATTACHMENT ASSEMBLY

INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	135-005551	Magnifier Attachment Assembly(1612, 1612-0, 1612-H, 1612-1, 1613-2, 1612-3, 2012-A, 2012-AT, 2013, 2013-0, 2012-1A, 2012-1AT, 2013-1, 2013-10, 2612-H, 2612-1, 3612, 3613-0, 3612-H, 3613-1, 3613-2, 3612-3, 2614-1, 2012-1H, 2012-2H, 2012-1H3, 2012-2H3, 3612-1H3, 3612-2H3)	
Ref.	090-428723	Magnifier Attachment Assembly(2613-2, 2613-3, 6013-2, 6013-3, 6013-H3, 2612-1H3)	
Ref.	090-477670	Magnifier Attachment Assembly(2618-4)	
Ref.	090-405325	Magnifier Attachment Assembly(ZS-3620, ZV-3620, ZW-3620)	
1	134-174010	Thumbnut(Ass'ys #135-005551, #090-428723, #090-477670)	1
	091-982421	Screw, Soc. Hd. Mach. 1/4-20NC x 1	2
2	093-001899	Post Clamp(Assembly #135-005551)(1-1/2"Post)	Use
	090-243932	Post Clamp(Assembly #090-428723)(2-3/4"Post)	
	090-477639	Post Clamp(Assembly #090-477670)(3-1/4"Post)	
	094-000734	Post Clamp(Assembly #090-477670)(Extra Work Height)	One
3	135-005544	Thumb Nut	1
4	090-451055	Magnifier Sub-Assembly (Assembly #135-005551, #090-428723)	Use
	090-477688	Magnifier Sub-Assembly (Assembly #090-477670)	
	090-412529	Magnifier Sub-Assembly (Assembly #090-405325)	One
5	135-021046	Lens Spring	2
6	135-052694	Magnifier Housing Sub-Assembly	1
7	135-005528	Frame	1
8	091-986901	Screw, Fil. Hd. Mach. #6-32NC x 3/8	2
9	135-005536	Housing	1
10	093-021681	Lamp Socket Assembly (Assembly #090-451055 Only)	1
11	091-305383	Electrical Cord	1
12	091-038372	Wire Terminal	2
13	091-038349	Wire Terminal	1
14	091-035360	Socket Bushing	1
15	091-338848	Socket 75-W, 125-V	1
16	091-305375	Strain Relief	1
17	091-984062	Screw, Soc. Set #8-32NC x 1/4	1
18	091-984104	Screw, Soc. Set #10-24NC x 1/4	1
19	091-988519	Screw, Rd. Hd. Mach. #8-32NC x 1/4	1
20	091-338749	Lamp (Assembly #090-451055, #090-412529)	Use
	090-195124	Lamp (Assembly #090-477688)	One
21	134-175017	Magnifying Lens	1
22	135-005593	Pivot Stud	1
23	091-992628	Washer 5/16" SAE Std.	1
24	135-005627	Wing Nut	1
25	135-005601	Post Arm Swivel Sub-Assembly (Assembly #090-451055)	Use
	091-070250	Arm Assembly (Assembly #090-477688)	
	135-008761	Post Arm Swivel Sub-Assembly(Assembly #090-477688, 36" Zephyrs)	
	090-183757	Post Arm Swivel Sub-Assembly(Assembly #090-412529)	One
26	135-005585	Swivel (Assembly #135-005601, #091-070250)	Use
	135-008720	Swivel (Assembly #135-008761, #090-183757)	One
27	135-005569	Arm (Assembly #135-005601)	Use
	091-070243	Arm (Assembly #091-070250)	
	135-008712	Arm (Assembly #135-008761)	
	091-363440	Rod (Assembly #090-183757)	One
Ref.	090-405325	Magnifier Attachment Assembly(ZS-3620, ZV-3620, ZW-3620)	
28	090-031089	Joint	1
29	090-031071	Arm	1
30	135-005544	Thumb Nut	3
31	090-229030	Post Clamp	1
32	134-174010	Thumb Nut	1
Ref.	090-208265	Lamp Socket Assembly (Zephyrs)	1
33	091-353946	Midget Cord Connector	1
34	090-007923	Rubber Cord	A.R.
35	091-353888	Bushing	2
36	091-353912	Socket	1
Ref.	090-179870	Lamp Socket Assembly (2618-4 L.A. Machines)	1
Ref.	091-070268	Lamp Socket Assembly (2618-4)	1
37	090-183476	Socket	1
38	091-988519	Screw, Rd. Hd. Mach. #8-32NC x 1/4	1
39	091-038349	Wire Terminal	1
40	090-183468	Cord Grip Connector	1
41	090-007956	Rubber Cord	A.R.
42	090-162132	Plug U-Ground	1

NOTE * BEFORE 6-3-40 ON MACHINES WITH LINK CHAIN, REPLACE CHAIN 5-13506 OR 6-13501 & FITTINGS 5-13507 & 5-13508 AT THE SAME TIME.
 ** BEFORE 4-3-42 WHEN LEVER 5-13315 WAS CAST IRON, REPLACE 5-13315 WITH 5-13111 & 5-13113 WITH 34-13111.
 *** WHEN REPLACING BRACKET 35-6397, ORDER 2 SCREWS 35-6398 & 2 STUDS 35-6399.

- 2-WHEEL ----- 34-13106
- 2-STUD ----- 34-13404
- 4-CAP ----- 34-13301
- 2-STUD ----- 34-13405
- 2-NUT ----- 34-13418
- 1-CORD ----- 5-13509
- 1-CAP ----- 34-13311
- 1-AXIS ----- 34-13406
- 1-CLEVIS ----- 5-13106
- 1-PIN ----- 5-13402
- 1-BEAM ----- 5-13302
- 1-AXIS ----- 34-13406
- 1-PIN ----- 5-13411
- 1-HINGE ----- 5-13103
- 1-BEAM ----- 5-13301
- 1-BRACKET ----- 5-13102
- 1-CHAIN ----- 5-13510
- 1-PIN ----- 5-13413
- 1-ANCHOR ----- 5-13314
- 1-LEVER ----- ** 5-13315
- 1-ANCHOR ----- 5-13316
- 1-PIN ----- 5-13416
- 1-WASHER ----- 5-13317

5-13508-HOOK END_1*

5-13507-EYE END_**1

CHAIN
 ML & V36 6-13501*
 V16 5-13506

35-6397-BRACKET_***1

34-13504-BEARING_5

13-13401-ROLLER & PIN_1

5-13112-WEIGHT_1

5-13105-BRACKET_1

5-13401-SCREW_1

5-13408-SHAFT_1

34-13508-BALL_1

34-05103-HANDWHEEL_1

34-05524-UN. JOINT_1

5-13103-HINGE_1

34-05410-COLLAR_2

5-13102-BRACKET_1

5-13113-PEDAL MOUNT_**1

5-13410-NUT_4

C-9-1 Z-8-1

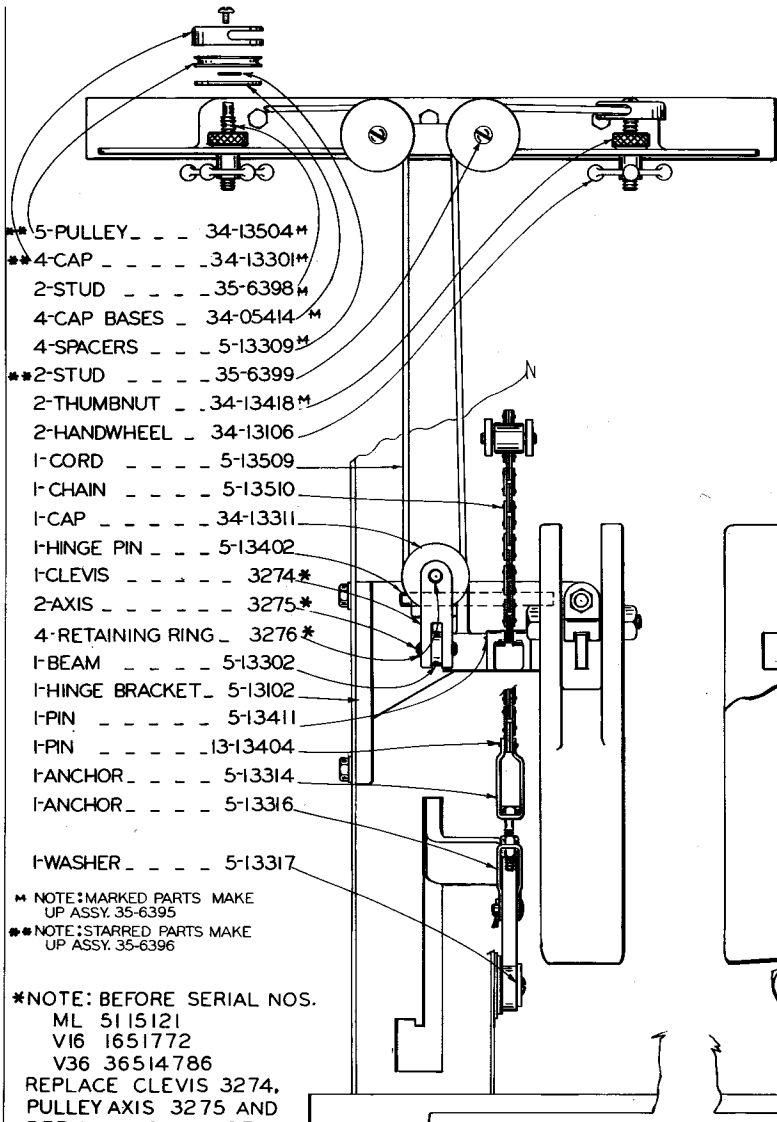
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POWER FEED ASSEMBLY—MODELS V16, ML, & V36—5-13006

MODEL	FIRST MACH	LAST MACH
ML	3801	4813605
V16	3801	1648485
V36	363949	36484345

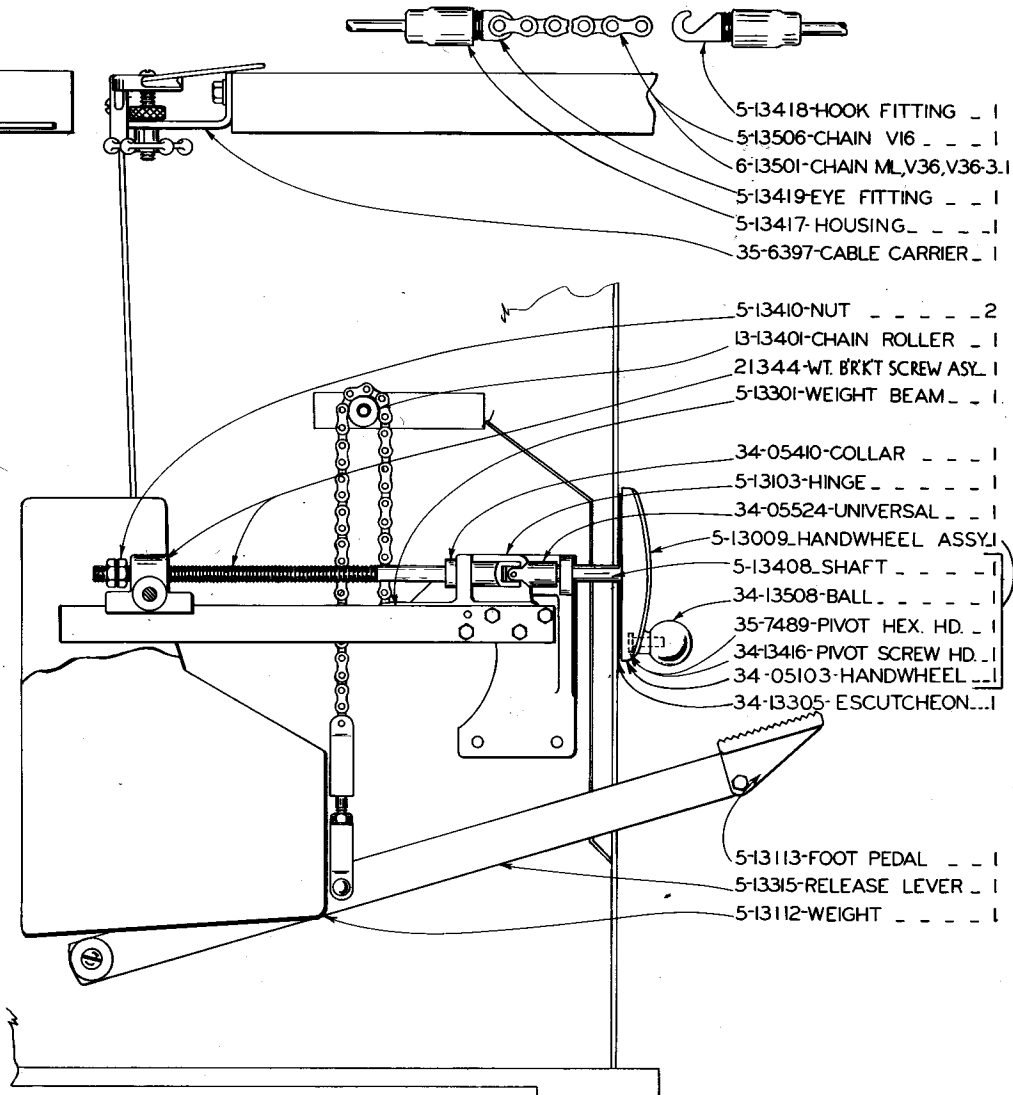
C-9-2 Z-8-1A



- * 5-PULLEY _ _ _ 34-13504*
- ** 4-CAP _ _ _ 34-1330**
- 2-STUD _ _ _ 35-6398
- 4-CAP BASES _ 34-05414*
- 4-SPACERS _ _ 5-13309*
- ** 2-STUD _ _ _ 35-6399
- 2-THUMB NUT _ 34-13418*
- 2-HANDWHEEL _ 34-13106
- 1-CORD _ _ _ 5-13509
- 1-CHAIN _ _ _ 5-13510
- 1-CAP _ _ _ 34-13311
- 1-HINGE PIN _ 5-13402
- 1-CLEVIS _ _ _ 3274*
- 2-AXIS _ _ _ 3275*
- 4-RETAINING RING _ 3276*
- 1-BEAM _ _ _ 5-13302
- 1-HINGE BRACKET _ 5-13102
- 1-PIN _ _ _ 5-13411
- 1-PIN _ _ _ 13-13404
- 1-ANCHOR _ _ _ 5-13314
- 1-ANCHOR _ _ _ 5-13316
- 1-WASHER _ _ _ 5-13317

* NOTE: MARKED PARTS MAKE UP ASSY. 35-6395
 ** NOTE: STARRED PARTS MAKE UP ASSY. 35-6396

* NOTE: BEFORE SERIAL NOS.
 ML 5115121
 V16 1651772
 V36 36514786
 REPLACE CLEVIS 3274,
 PULLEY AXIS 3275 AND
 RETAINING RING 3276,
 TOGETHER.



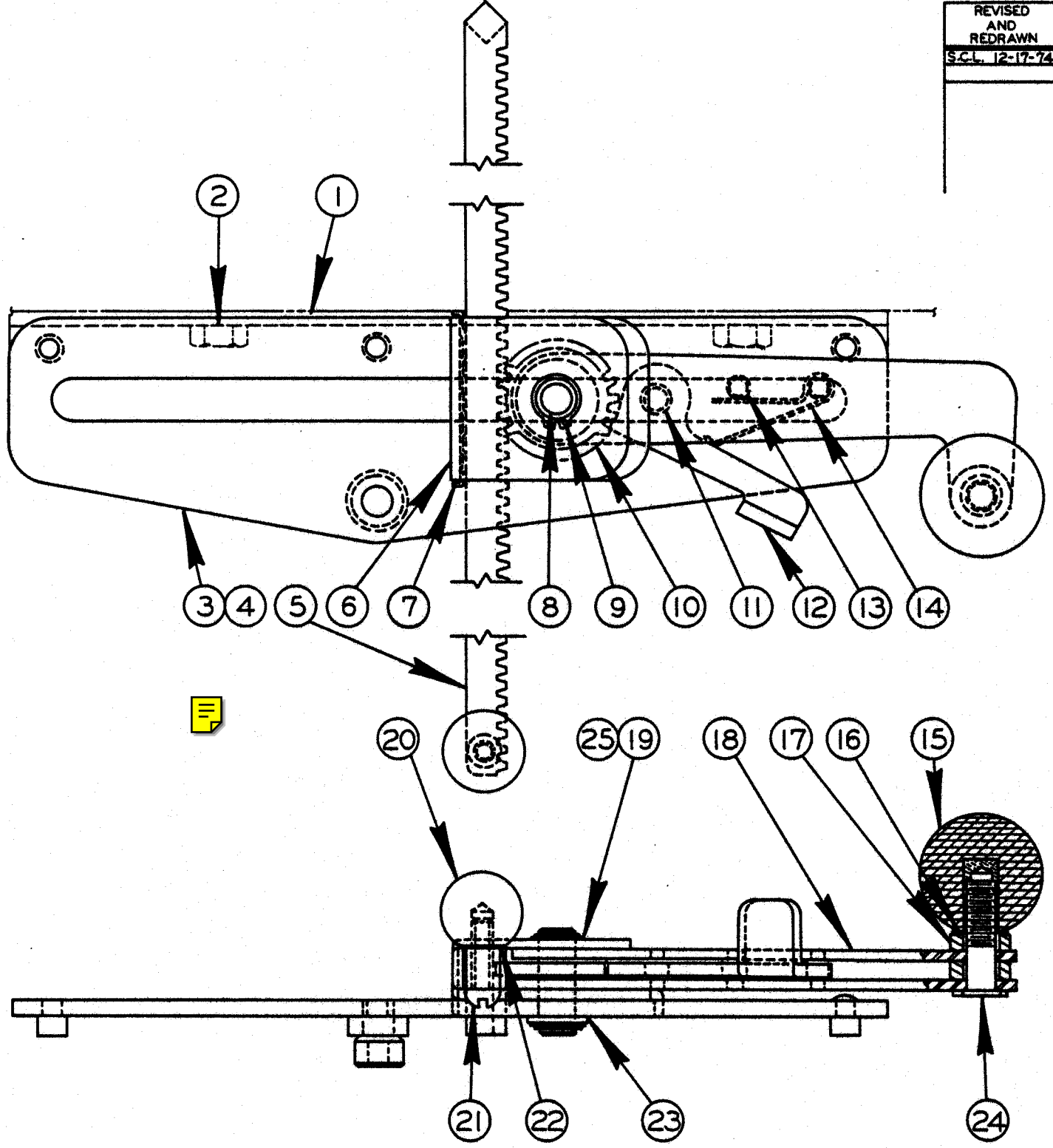
- 5-13418-HOOK FITTING _ 1
- 5-13506-CHAIN V16 _ _ 1
- 6-13501-CHAIN ML,V36,V36-3.1
- 5-13419-EYE FITTING _ _ 1
- 5-13417-HOUSING _ _ _ 1
- 35-6397-CABLE CARRIER _ 1
- 5-13410-NUT _ _ _ _ 2
- 13-13401-CHAIN ROLLER _ 1
- 21344-WT. BRKT SCREW ASY. 1
- 5-13301-WEIGHT BEAM _ _ 1
- 34-05410-COLLAR _ _ _ 1
- 5-13103-HINGE _ _ _ _ 1
- 34-05524-UNIVERSAL _ _ 1
- 5-13009-HANDWHEEL ASSY. 1
- 5-13408-SHAFT _ _ _ _ 1
- 34-13508-BALL _ _ _ _ 1
- 35-7489-PIVOT HEX. HD. _ 1
- 34-13416-PIVOT SCREW HD. 1
- 34-05103-HANDWHEEL _ _ 1
- 34-13305-ESCUTCHEON... 1
- 5-13113-FOOT PEDAL _ _ _ 1
- 5-13315-RELEASE LEVER _ 1
- 5-13112-WEIGHT _ _ _ _ 1

POWER FEED ASSEMBLY-MODELS ML, V16 V36 & V36-3-5-13006

MODEL	FIRST MACH	LAST MACH
ML	4813606	5413353
V16	1648486	3633520
V36	36484346	3633520
V36-3	39-51101	37-33204

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REVISED
AND
REDRAWN
SCL 12-17-74



RATCHET TABLE FEED ASSEMBLY

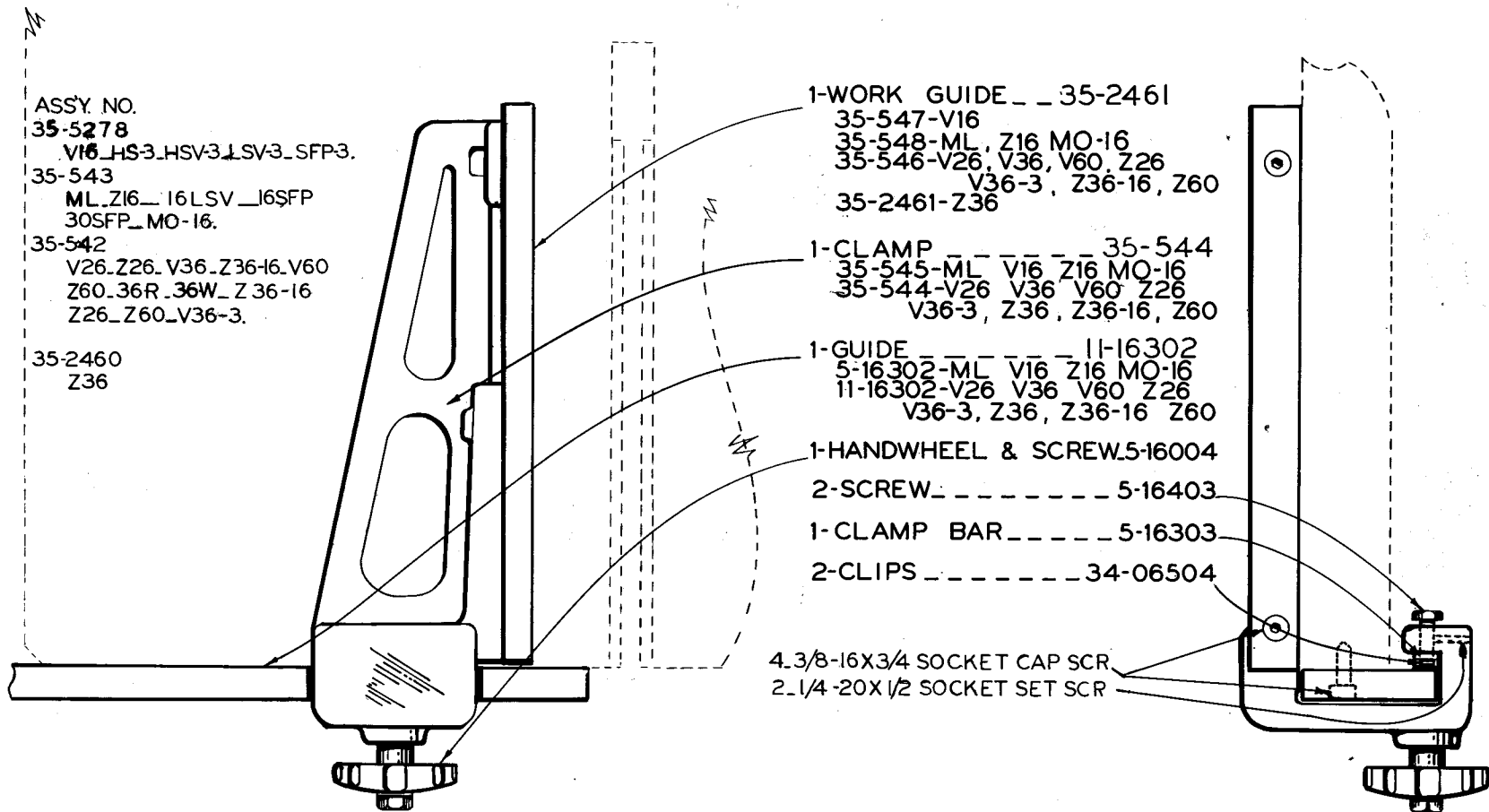
C-10-20 CM-9-7 Z-10-2

PRINTED IN USA

RATCHET TABLE FEED ASSEMBLY

INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	090-429788	Table Feed Assembly	
1	090-429770	. Table Feed Bracket	1
2	091-980433	. Screw, Hex. Hd. Cap 3/8-16NC x 5/8	2
3	090-400615	. Table Feed Assembly	1
4	090-408253	. . Base Plate Assembly	1
5	090-200973	. . Rack Weldment	1
6	090-013434	. . Bracket	1
7	090-013491	. . Spring	1
8	090-013442	. . Center Pin	1
9	135-096139	. . Retaining Ring	2
10	090-013459	. . Gear	1
11	090-013327	. . Spacer Pin	1
12	090-013467	. . Thumb Lever	1
13	090-013319	. . Spacer Pin	2
14	090-013509	. . Spring	1
15	134-135086	. . Knob	1
16	091-993584	. . Washer, Lock 3/8 Shakeproof Int.	1
17	090-013426	. . Spacer	2
18	090-013475	. . Arm	2
19	091-334805	. . Shim	1
20	091-339713	. . Knob	1
21	091-988980	. . Screw, Rd. Hd. Mach. 1/4-20NC x 7/8	1
22	091-993568	. . Washer, Lock 1/4" Shakeproof Internal	1
23	090-055591	. . Washer, Flat	1
24	090-044173	. . Screw	1
25	091-334813	. . Shim	1

* NOTE: BEFORE 4-26-43 CLAMP & WORK GUIDE
MUST BE REPLACED AT THE SAME TIME.



ASSY. NO.
35-5278
V16_HS-3_HSV-3_LSV-3_SFP-3.
35-543
ML_Z16_16LSV_16SFP
30SFP_MO-16.
35-542
V26_Z26_V36_Z36-16_V60
Z60_36R_36W_Z36-16
Z26_Z60_V36-3.
35-2460
Z36

1-WORK GUIDE __ 35-2461
35-547-V16
35-548-ML, Z16 MO-16
35-546-V26, V36, V60, Z26
V36-3, Z36-16, Z60
35-2461-Z36
1-CLAMP __ __ __ 35-544
35-545-ML V16 Z16 MO-16
35-544-V26 V36 V60 Z26
V36-3, Z36, Z36-16, Z60
1-GUIDE __ __ __ 11-16302
5-16302-ML V16 Z16 MO-16
11-16302-V26 V36 V60 Z26
V36-3, Z36, Z36-16 Z60
1-HANDWHEEL & SCREW 5-16004
2-SCREW _ _ _ _ 5-16403
1-CLAMP BAR _ _ _ 5-16303
2-CLIPS _ _ _ _ 34-06504

4. 3/8-16X3/4 SOCKET CAP SCR
2. 1/4-20X1/2 SOCKET SET SCR

C-10-34 Z-9-17

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FIRST USED IN 1939
LAST USED 1960

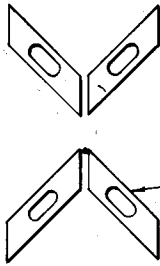
RIP FENCE ASSEMBLY

E-7 & 8

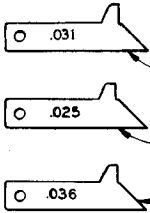
REVISIONS
10-8-87

SAW GUIDE INSERT-1/16"-1/2" ASS'Y. 4141

SAW GUIDE INSERT-1/16"-1" ASS'Y. 4140



1/16"	SAW GUIDE INSERT	_	4499
3/32"	SAW GUIDE INSERT	_	4498
1/8"	SAW GUIDE INSERT	_	4497
3/16"	SAW GUIDE INSERT	_	4496
1/4"	SAW GUIDE INSERT	_	4495
3/8"	SAW GUIDE INSERT	_	3960
1/2"	SAW GUIDE INSERT	_	3959
5/8"	SAW GUIDE INSERT	_	3958
3/4"	SAW GUIDE INSERT	_	3957
1"	SAW GUIDE INSERT	_	3956



13-08303-INSERT GAGE
 34-08320-INSERT GAGE
 13-08307-INSERT GAGE

CAP SCREWS
 1/4-20X3/4"

34-08502
 WASHERS

OBLIQUE SAW GUIDE
 BEARING ASSEMBLY
 34-08012

5/8 TO 1" SAW GUIDE
 BEARING ASSEMBLY
 13-08002

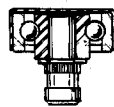
1/8 TO 1/2" SAW GUIDE
 BEARING ASSEMBLY
 34-08009



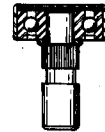
ALLEN
 WRENCH
 34-08503



34-08309
 CAP



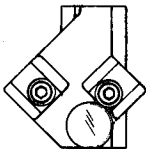
13-08304
 CAP



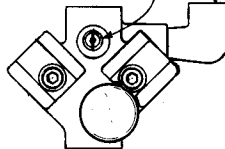
34-08309
 CAP

ELBOW-5-04520
 PIN---35-455

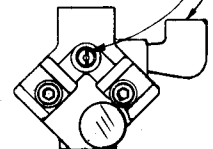
ELBOW-5-04520
 PIN---35-451



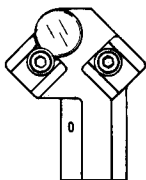
34-08008
 OBLIQUE UPPER
 SAW GUIDE ASSY.



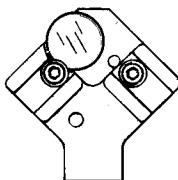
* 35-456
 5/8 TO 1" UPPER
 SAW GUIDE ASSY



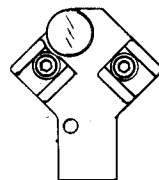
35-453
 1/8 TO 1/2" UPPER
 SAW GUIDE ASSY.



34-08013-LOWER
 SAW GUIDE ASSY.



* 13-08006-LOWER
 SAW GUIDE ASSY.



34-08005-LOWER
 SAW GUIDE ASSY.

NOTE: FOR SPIRAL GUIDES ORDER
 COMPLETE ASSY. *28280-UPPER
 *28281-LOWER

NOTE: 35-456 & 13-08006
 NOT AVAILABLE FOR
 MODELS HS, HSV, LHV, SFP.

MODELS HS, HSV,
 LHV, SFP, ML, V16, V26, V36 V36-3
 SAW GUIDES

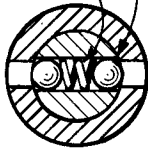
MODEL	FIRST MACH.	LAST MACH.
LHV-SFP	27-51410	27-54185
LHV-SFP	79-54101	79-582112
ML	3801	54183583
V16	3801	16531101
V26	263951	26532023
V36	363949	36535628
V36-3	37-51101	37-53204
V60	604050	6052142

C-7-1 Z-61

*NOTE: BEFORE 5-1-42 COMPLETE SWIVEL ASSEMBLY MUST BE REPLACED.

2-STEEL BALLS - - 5-03502

1- SPRING 5-03501



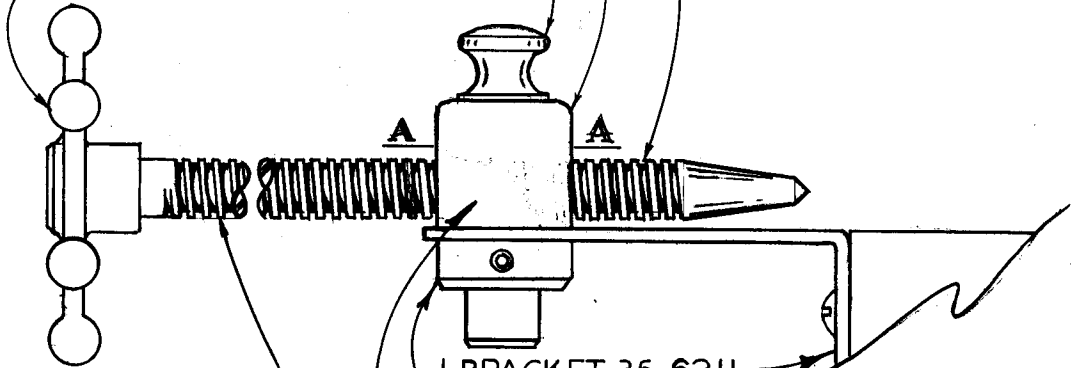
SECTION
AA

1-SCREW [13"- 34-03403]
[17"- 11-03401]

* 1-SWIVEL - - - - - 5-03401

* 1-KEY 5-03402

34-03106-HANDWHEEL - - - 1



1-BRACKET 35-6211

11-28418-COLLAR_1

35-5224-SWIVEL ASS'Y_1

SCREW & HANDWHEEL ASS'Y. - - - 1

[5-03004_13"LONG,_USE WITH 24"TABLE]
[11-03007_17"LONG,_USE WITH 30"TABLE]

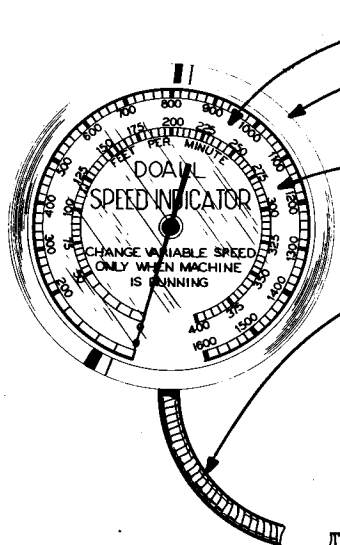
FILLER PLATE MOUNTING
SWIVEL & SCREW ASS'Y.
WITH 13" LONG SCREW-5-03001
WITH 17" LONG SCREW-35-5442
TABLE BRACKET MOUNTING
COMPLETE ASSY-35-6212

5-03001 - - 35-5442
SCREW FEED

FIRST UNIT 4-11-38
LAST UNIT 12-31-59

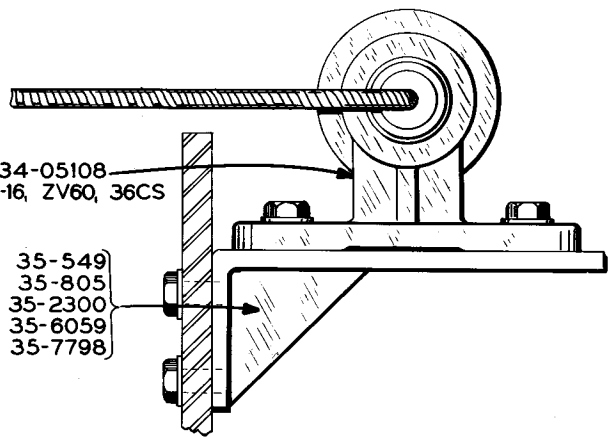
C-10-17 CM-9-6
Z-10-1

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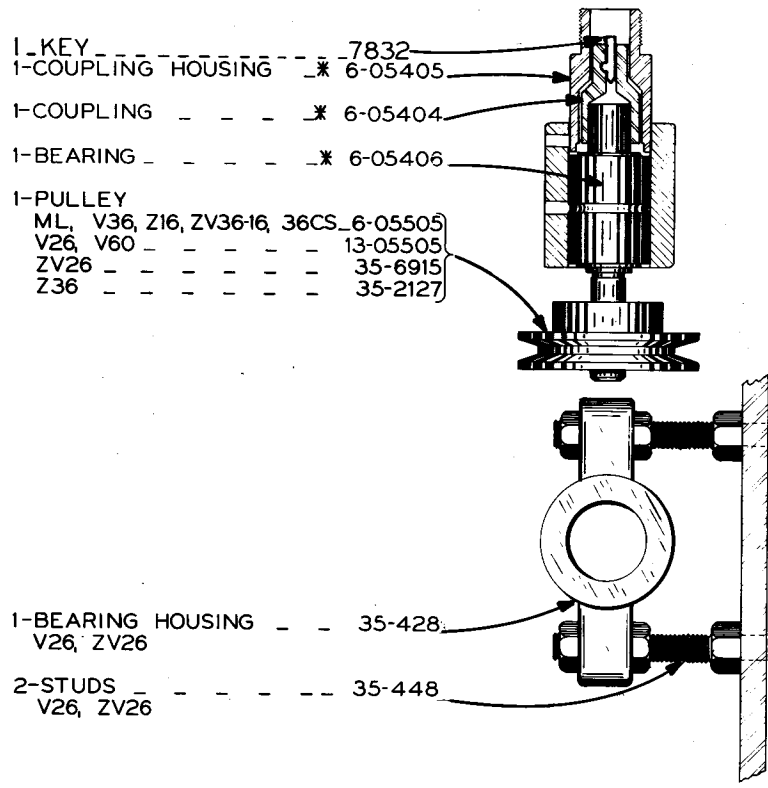
- 6-05501-A-GLASS - - - - - 1
- 6-05402- BEZEL - - - - - 1
- HEAD WITH DIAL - - - - - 1
- 6-05501-ML, V26, V36, V60,
- 35-2305-Z16, ZV36-16, 36CS
- 35-1911- 1000 TO 5000 ZV36
- 35-2007-2000 TO 10000 ZV26, ZV36, ZV60
- 35-2340-3000 TO 15000 ZV36

- FLEXIBLE CABLE ASSEMBLY - - - - 1
- ** 10210 - CABLE LENGTH - 39-1/16" Lg.
- 11-05502 - CABLE LENGTH - 30-11/16" Lg.
- 35-892 - CABLE LENGTH - 57-1/16" Lg.
- 17-05513 - CABLE LENGTH - 86" Lg.
- SPECIFY LENGTH WHEN ORDERING CABLE.



- 1-BEARING HOUSING - - - 34-05108
- V36, V60, Z16, ZV36, ZV36-16, ZV60, 36CS
- 1-MOUNTING BRACKET
- ML, V36 - - - - - 35-549
- V60 - - - - - 35-805
- Z16, ZV36-16, 36CS - - - - 35-2300
- ZV26 - - - - - 35-6059
- ZV60 - - - - - 35-7798

MODEL	LAST MACHINE
ML	5418353
V26	26512420
V36	36535628
V60	6051125
Z16	5316402
ZV26	5026110
ZV36-16	5336145
ZV60	6009053
36CS	54087
ZV36	5336145



- 1-KEY - - - - - 7832
- 1-COUPLING HOUSING - * 6-05405
- 1-COUPLING - - - - * 6-05404
- 1-BEARING - - - - * 6-05406
- 1-PULLEY
- ML, V36, Z16, ZV36-16, 36CS_6-05505
- V26, V60 - - - - - 13-05505
- ZV26 - - - - - 35-6915
- Z36 - - - - - 35-2127

- 1-BEARING HOUSING - - 35-428
- V26, ZV26
- 2-STUDS - - - - - 35-448
- V26, ZV26

*NOTE: ON MACHINES SHIPPED BEFORE 11-1-42 PARTS 6-05404, 6-05405 & 6-04506 MUST BE REPLACED AT THE SAME TIME.
 ** ORDER 7832 KEY WHEN ORDERING CABLE ASSEMBLY...

SPEED INDICATOR ASSEMBLY

FIRST, MACHINE 4-11-38

C-5-101 Z-5-50
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NOTE - BEFORE THE FOLLOWING SERIAL NUMBERS V-26 ~~2641215~~ V-36 3641476 V-60 604157
 THE FOLLOWING PARTS MUST BE REPLACED AT THE SAME TIME -- 11-03109--11-03110
 11-03305--11-03306--11-03307--11-03308--11-03405

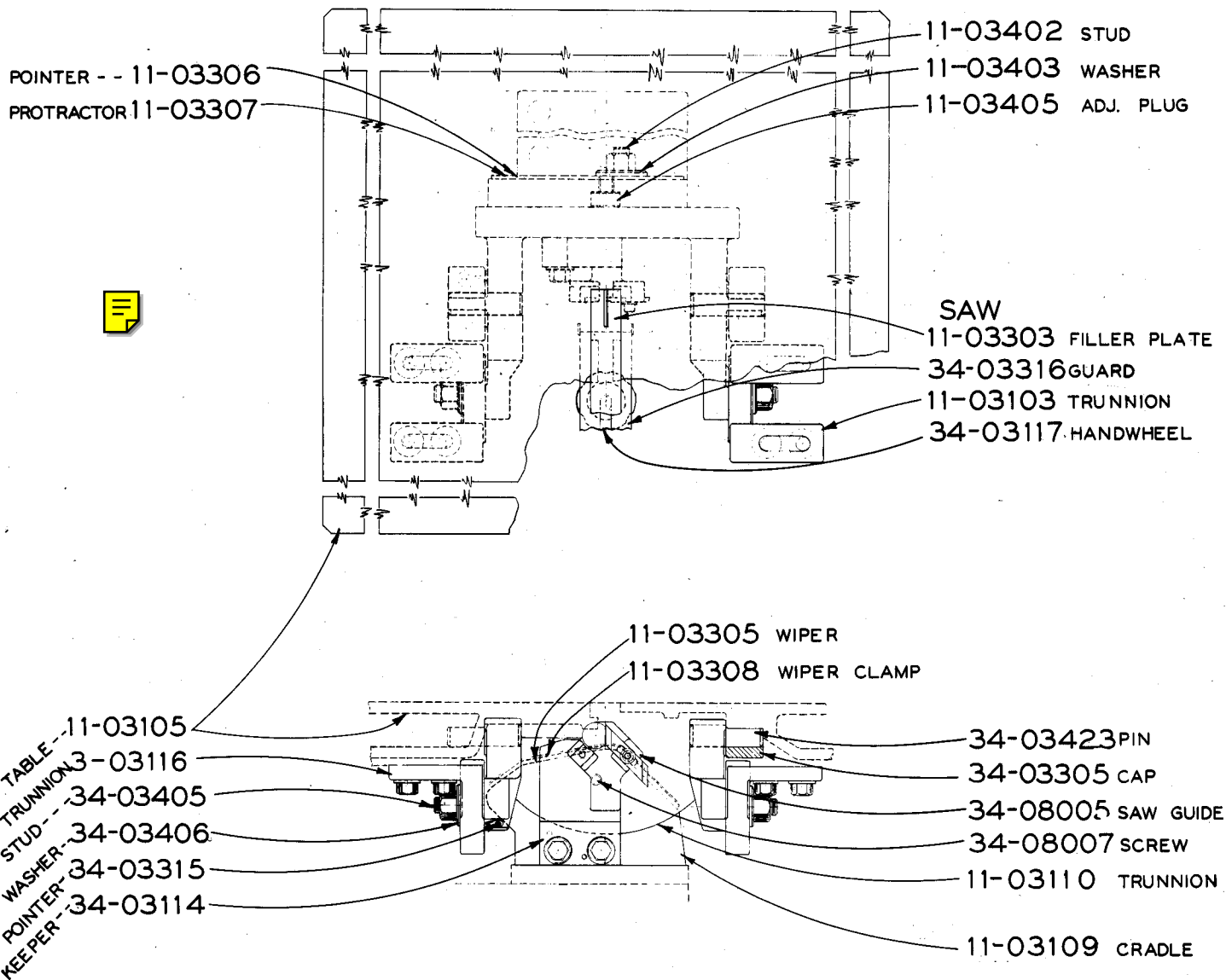


TABLE & TRUNNION ASSEMBLY

MODEL	FIRST MACH.	LAST MACH.
V-26	263951	26431074
V-36	363949	36474074
V-60	604050	604393

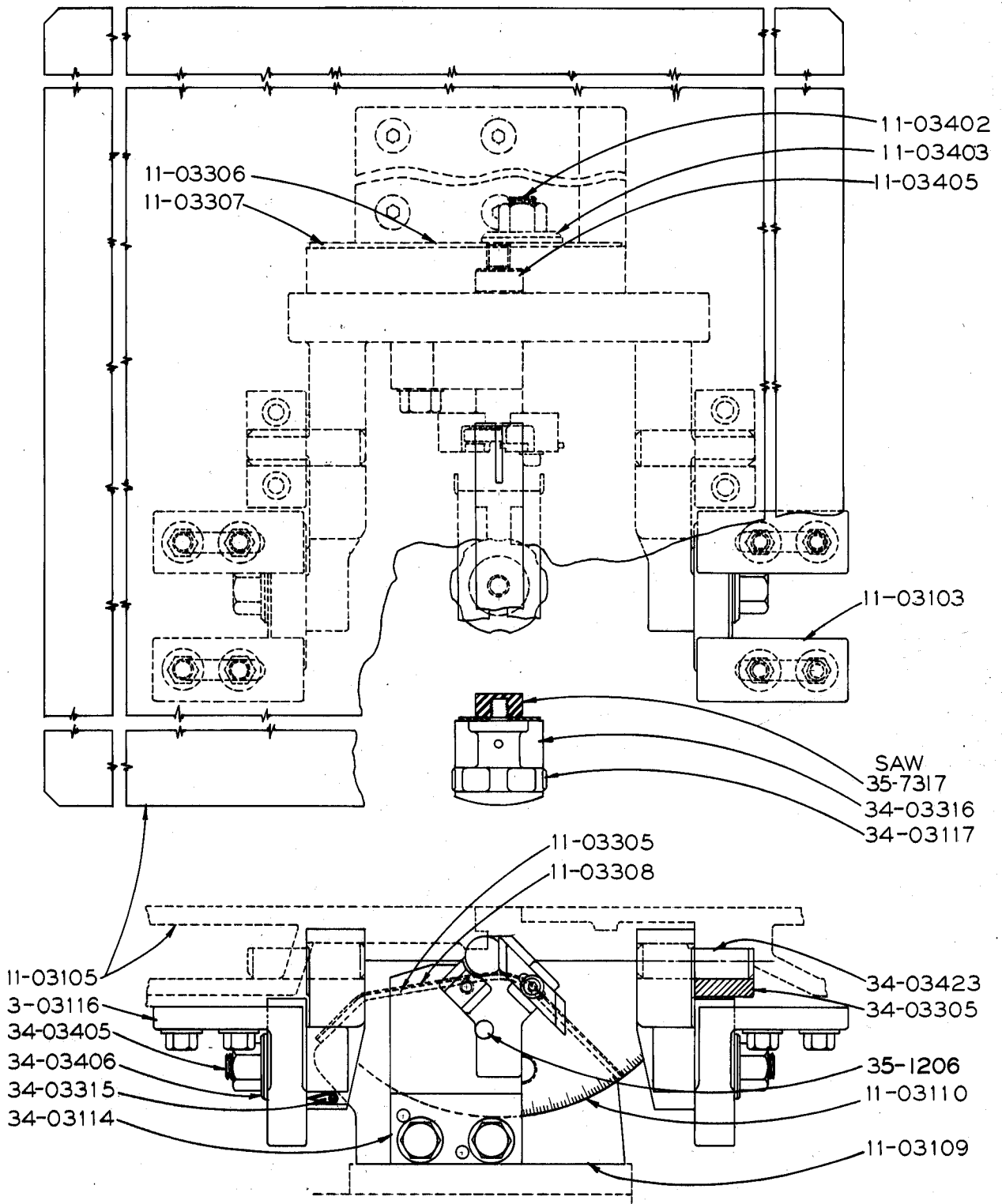
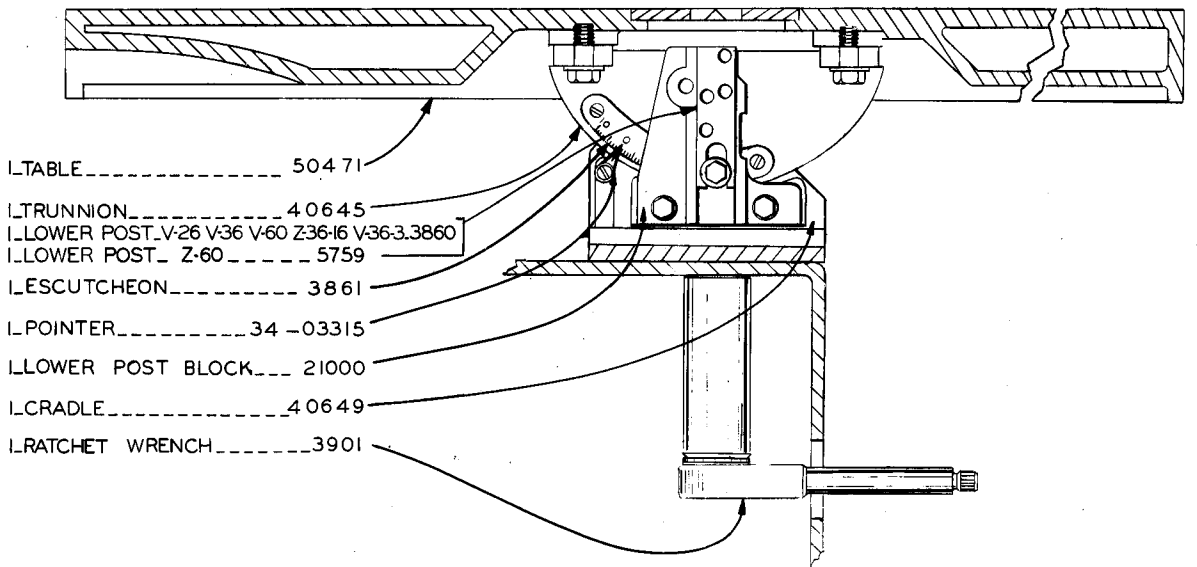
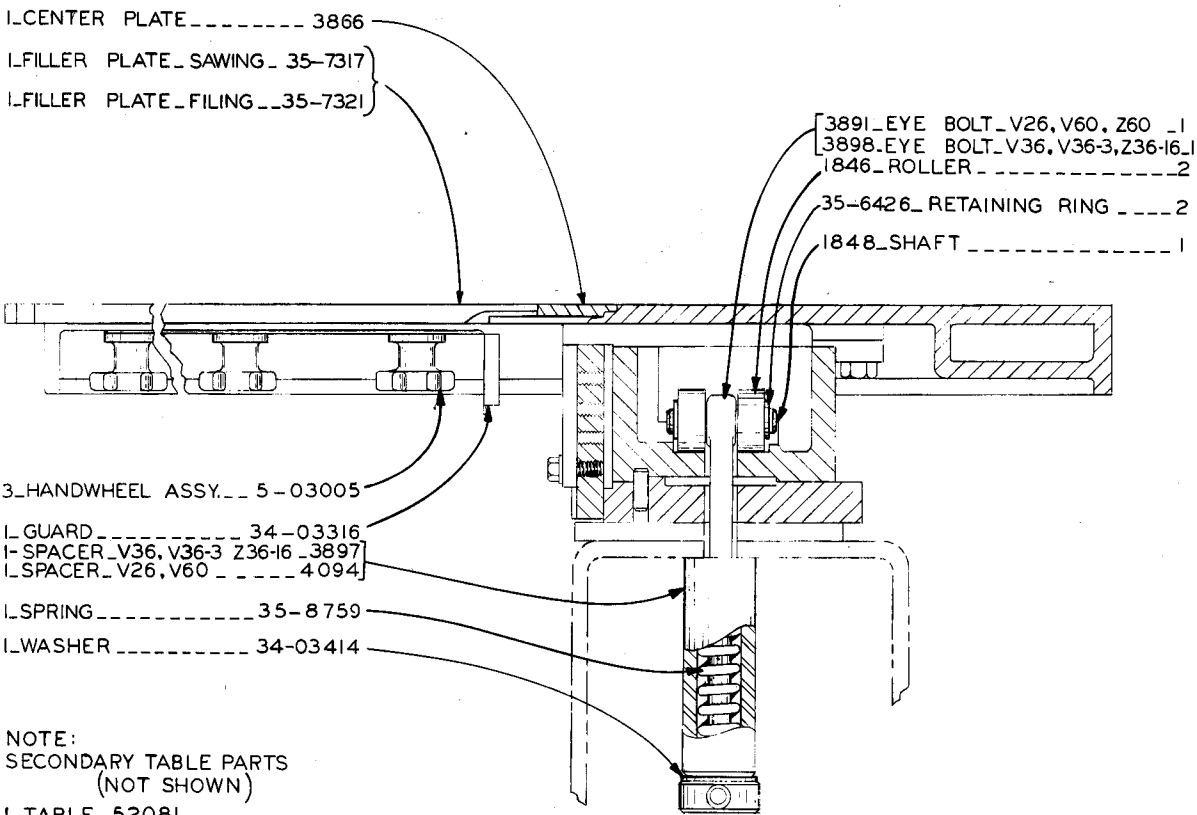


TABLE & TRUNNION ASSEMBLY-V-36,ZS36-16 & ZV36-16

MODEL	FIRST MACH.	LAST MACH.
V-36	36474075	36514877
ZS&ZV36-16	4736051	5136118



- LTABLE 504 71
- LTRUNNION 4 0645
- LLOWER POST_V26 V36 V60 Z36-16 V36-3.3860
- LLOWER POST_ Z-60 5759
- LESCUTCHEON 3861
- LPOINTER 34 -03315
- LLOWER POST BLOCK... 21000
- LCRADLE 4 0649
- LRATCHET WRENCH 3901



- LCENTER PLATE 3866
- LFILLER PLATE_SAWING_ 35-7317
- LFILLER PLATE_FILING_ 35-7321
- 3891_EYE BOLT_V26, V60, Z60 _1
- 3898_EYE BOLT_V36, V36-3, Z36-16_1
- 1846_ROLLER 2
- 35-6426_RETAINING RING 2
- 1848_SHAFT 1
- 3_HANDWHEEL ASSY... 5-03005
- L GUARD 34 -03316
- L SPACER_V36, V36-3 Z36-16_ 3897
- L SPACER_V26, V60 4094
- L SPRING 35-8759
- L WASHER 34-03414

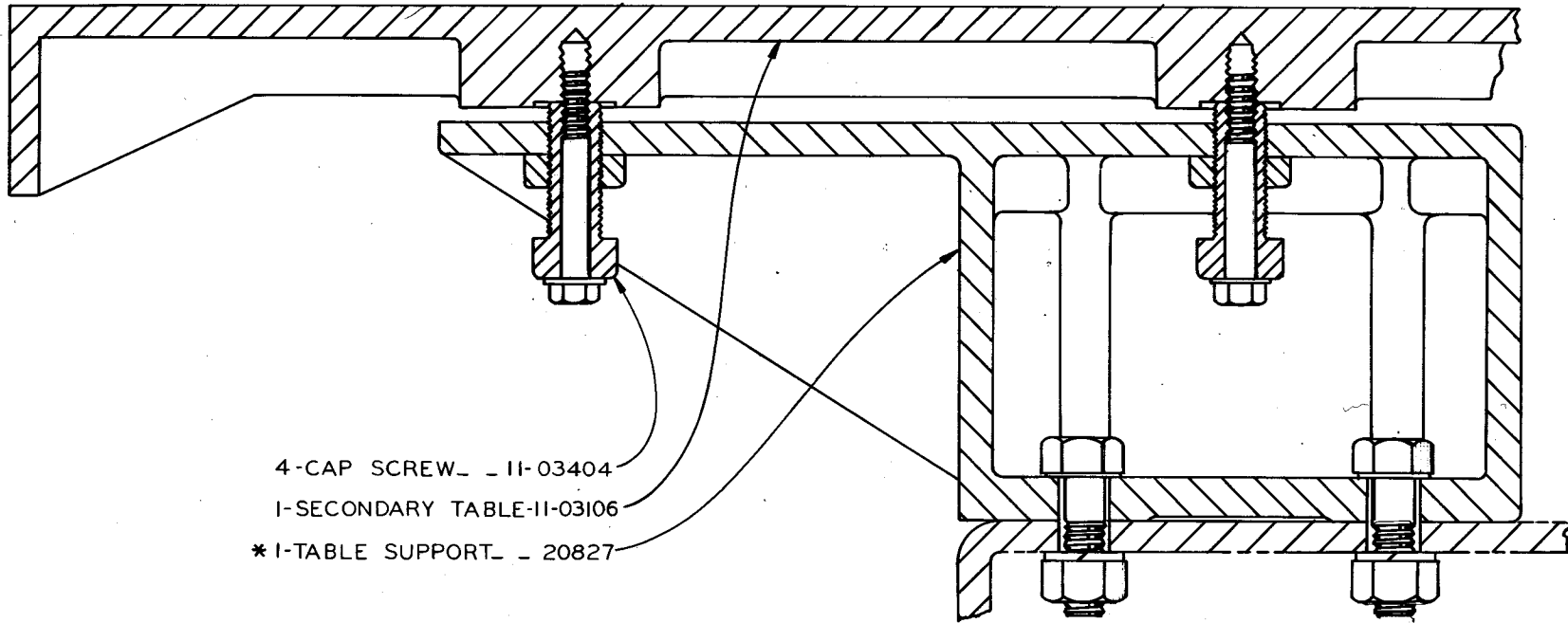
NOTE:
SECONDARY TABLE PARTS
(NOT SHOWN)

- L TABLE_ 52081
- L SUPPORT_ 40656
- 4_ADJ. SCREW_ II-03404

MODELS
V26 V36 V36-3 V60, Z36-16 & Z60
STANDARD TABLE & TRUNNION ASSEMBLY

MODEL	FIRST MACH.	LAST MACH.
V26	26512421	26532923
V36	36514878	36535628
V36-3	37-51101	37-53204
V60	6051128	6052142
Z36-16	3816119	5336145
Z60	6008351	6009053

C-3-7
Z-3-4



* NOTE: 20827 WAS 11-03104 ON THE
V-36 BEFORE SERIAL NO. 36514876
Z-36-16 BEFORE SERIAL NO. 5136119

MODEL - V-36 V36-3 Z36-16
SECONDARY TABLE MOUNTING ASSY

MODEL	FIRST MACH.
V-36	363949
V-36-3	37-51101
Z-36-16	4736051

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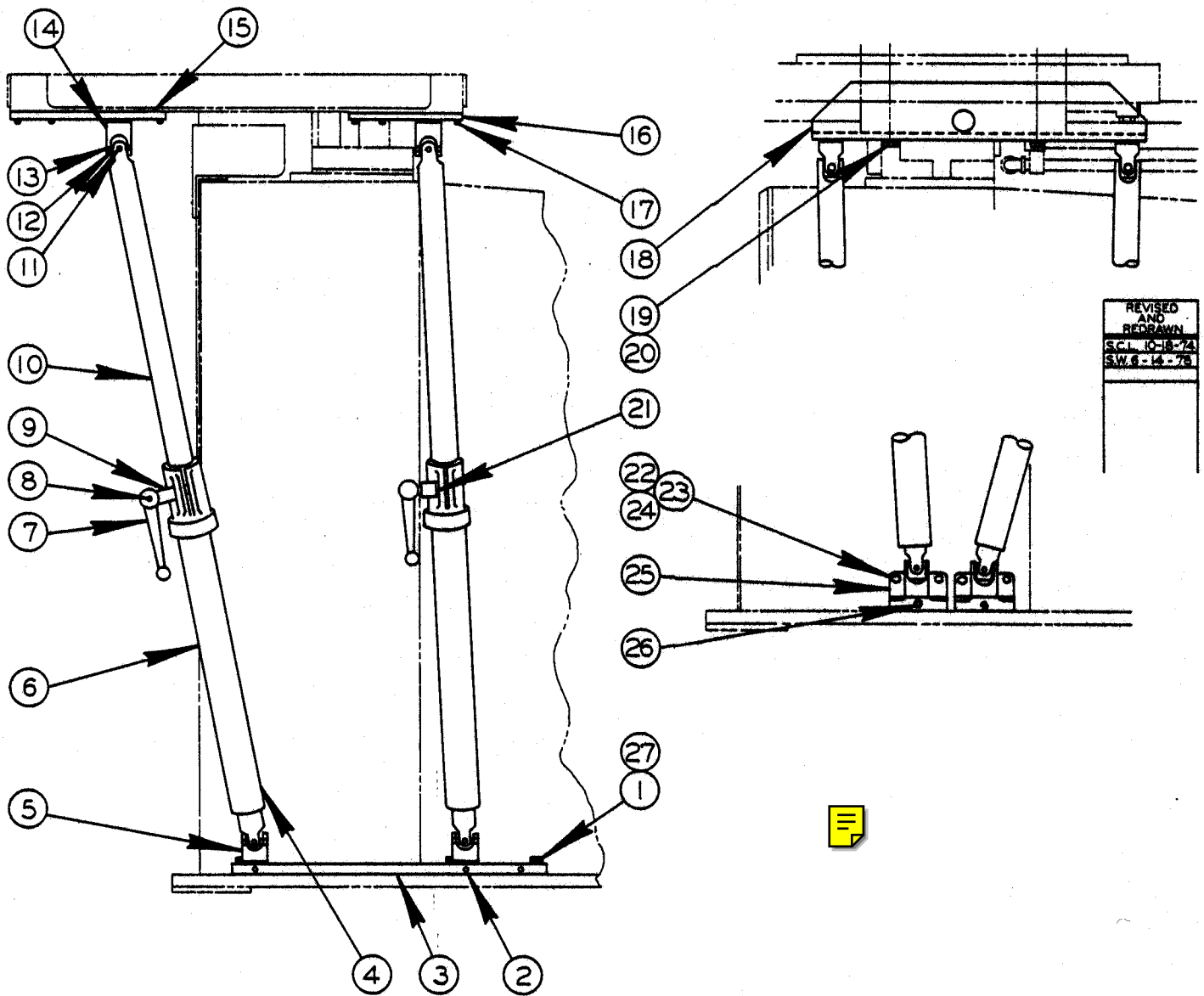


TABLE SUPPORT ASSEMBLY

C-9-107 CM-9-4 Z-9-16

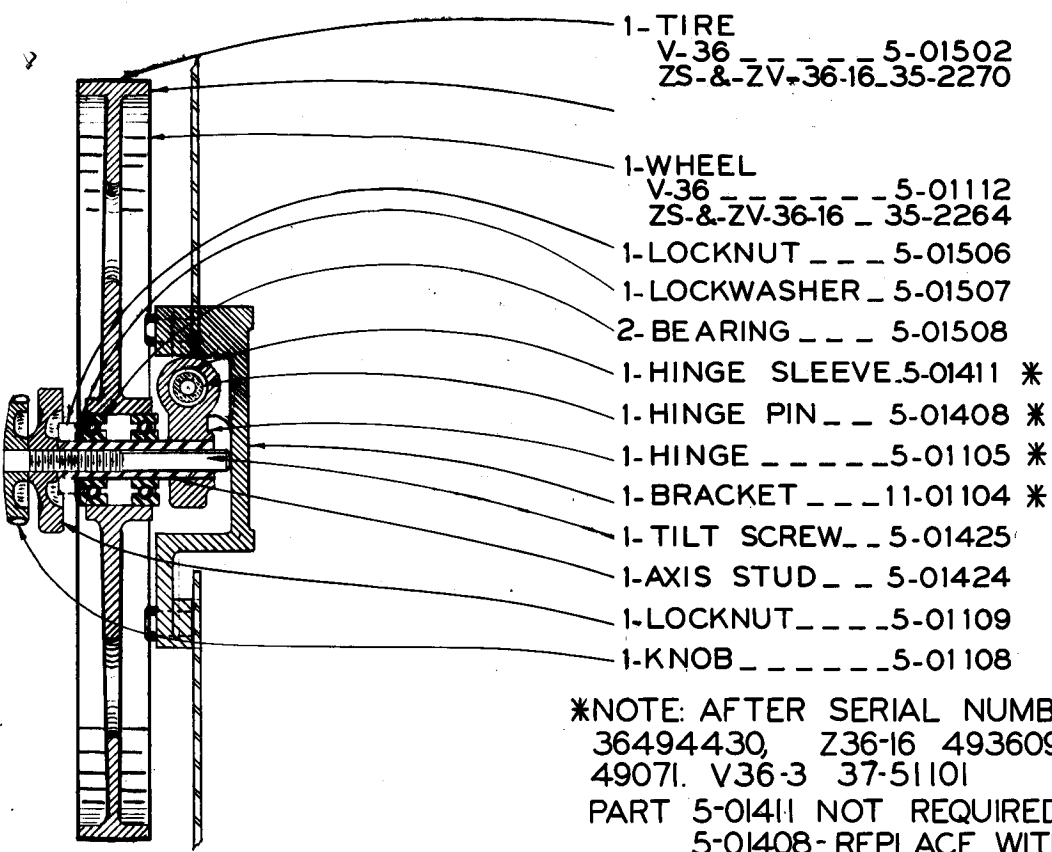
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TABLE SUPPORT ASSEMBLY

INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
*Ref.	090-554361	Table Support Assembly (1612, 3612, 1612-0, 3613-0, 1612-1, 2612-1, 3613-1, 1613-2, 3613-2, HS6013, 2013-1, 2013-10, 2012-1A, 2012-1AT)	
*Ref.	090-508268	Table Support Assembly (1611-H, 1612-H, 3612-H, 2612-H, 2612-1H, 2612-2H, 1612-3, 3612-3, 2012-1H, 2012-1H3, 2612-1H3, 2614-1)	
*Ref.	090-512161	Table Support Assembly (2613-2, 6013-2)	
*Ref.	090-529926	Table Support Assembly (2613-3, 6013-3, 6013-H3)	
*Ref.	117-030031	Table Support Assembly (Zephyrs, ZS-3620, ZV-3620, ZW-3620)	
1	091-980466	. Screw, Hex. Hd. Cap 3/8-16NC x 1	Use
2	091-984104	. Screw, Soc. Hd. Set #10-24NC x 1/4	One
3	090-295924	. Plate	1
*4	135-052397	. Table Support and Rod Assembly	2
5	135-008779	. . Universal Joint	1
6	135-052389	. . Table Support Tube Sub-Assembly	1
7	117-031054	. . Lock Lever	1
8	090-042599	. . Roll Pin	1
9	117-034066	. . Lock Shaft	1
10	117-034041	. . Support Rod	1
11	091-331850	. . Universal Joint Pin	2
12	091-331835	. . Universal Joint Swivel	2
13	091-331843	. . Universal Joint Swivel Pin	2
14	093-026789	. . Universal Joint Threaded End	1
15	090-304403	. Left Table Support Plate (Used on Assembly #090-554361)	1
16	090-304411	. Right Table Support Plate (Used on Assembly #090-554361)	1
17	091-982207	. Screw, Soc. Hd. Cap #10-24NC x 1/2	8
18	090-222977	. Angle Bracket (Used on Assembly #090-508268)	1
19	091-980441	. Screw, Hex. Hd. Cap 3/8-16NC x 3/4	2
20	091-992644	. Washer 3/8" Std.	6
21	091-322875	. Spacer Option List	A.R.
	135-077089	. Spacer (Used only on Assembly #090-512161)	A.R.
22	091-980458	. Screw, Hex. Hd. Cap 3/8-16NC x 7/8	4
	091-980466	. Screw, Hex. Hd. Cap 3/8-16NC x 1	4
23	091-991265	. Nut, Hex. 3/8-16NC	4
24	091-992644	. Washer 3/8" Std.	4
	091-993329	. Washer, Lock 3/8" Std.	4
25	117-031047	. Bottom Bracket	2
26	091-984237	. Screw, Soc. Set 1/4-20NC x 5/16	2
27	091-993329	. Washer, Lock 3/8" Std.	A.R.
	091-992685	. Washer 3/4" Std.	2

*NOTE: All Table Support Assemblies use Table Support and Rod Sub-Assembly #135-052397. However, Different Upper and Lower Connecting Brackets are Used. Locate on the Drawing the Brackets Used on Your Machine.

PARTS FOR V36 ZV36-16 & ZS36-16.
V36-3, 36CS SAME PARTS AS ZV36-16



- 1-TIRE
V-36 _ _ _ _ _ 5-01502
ZS-&-ZV-36-16_35-2270
- 1-WHEEL
V-36 _ _ _ _ _ 5-01112
ZS-&-ZV-36-16 _ 35-2264
- 1-LOCKNUT _ _ _ 5-01506
- 1-LOCKWASHER _ 5-01507
- 2-BEARING _ _ _ 5-01508
- 1-HINGE SLEEVE.5-01411 *
- 1-HINGE PIN _ _ 5-01408 *
- 1-HINGE _ _ _ _ 5-01105 *
- 1-BRACKET _ _ _ 11-01104 *
- 1-TILT SCREW _ _ 5-01425
- 1-AXIS STUD _ _ 5-01424
- 1-LOCKNUT _ _ _ 5-01109
- 1-KNOB _ _ _ _ 5-01108

*NOTE: AFTER SERIAL NUMBERS V36
36494430, Z36-16 4936096 & 36CS
49071. V36-3 37-51101
PART 5-01411 NOT REQUIRED
5-01408-REPLACE WITH _ _ 1278
5-01105-REPLACE WITH _ 35-9351
11-01104-REPLACE WITH _ _ 1239

THIRD WHEEL ASSEMBLY
V36-3, V36, Z36-16, 36CS

MODEL	FIRST MACH.	LAST MACH.
V36	363949	36535628
V36-3	37-51101	37-53204
Z36-16	4736051	5336145
36CS	CS48051	CS54087

1- ELBOW _____ 17-13521

1- TIRE _____ 5-01502

1- WHEEL _____ 5-04110

1- HOUSING _____ 35-551

1- GASKET _____ 5-04311

1- SHIFTER ASY _____ 35-5026

1- COVER _____ 5-04109

1- GEAR _____ 6-04421

1- SPACER _____ 5-04305

1- GASKET _____ 5-04308

1- SHAFT ASS'Y _____ 21788

AS REQ
1- SPACER _____ 5-04304

1- KEY _____ 5-04604

1- BEARING _____ 5-04507

* SKF _____ 5-04507

NORMA HOFFMAN _____ 35-3907

N.D.W.C 8506 OR HOOVER _____ 5762

1- COVER _____ 5-04315

* FOR SKF BEARING _____ 5-04315

FOR NORMA HOFFMAN _____ 35-2759

FOR N.D.W.C 8506 OR HOOVER _____ 4056

1- KEY _____ 6-04305

1- CLUTCH _____ 6-04505

1- GEAR _____ (B) 6-04423

1- PINION _____ (A) 5-04421

1- BEARING _____ 5-04509

2- KEY _____ 5-04602

1- GEAR _____ (B) 6-04424

1- COLLAR _____ 6-04425

1- GEAR _____ (C) 5-04424

1- BEARING _____ 5-04509

NOTE: A, B & C

MATING GEARS MUST BE

REPLACED AT THE SAME

TIME.

* NOTE: 5-04316 OIL SLINGER

USED WITH SKF 5-04507

AND COVER 5-04315

5-04307-SPACER _____ AS REQ

5-04306-SPACER _____ AS REQ

5-04414-SPACER _____ 1

1- LEVER _____ 11-04401

1- COLLAR _____ 6-04415

1- WASHER _____ 2762

1- ECCENTRIC _____ 6-04404

1- BRACKET _____ 4033

1- SEGMENT _____ 35-6562

11-04404-SHAFT _____ 1

6-04308-SPRING _____ 1

6-04412-LOCK _____ 1

6-04306-PLATE _____ 1

6-04409-STUD _____ 1

4034 -BRACKET _____ 1

11-04405-UNIV. JOINT _____ 2

11-04402-LEVER _____ 1

6-04313-SPRING _____ 1

35-6563-SPACER _____ 1

5-04602-KEY _____ 1

6-04509-SHEAVE _____ 1

5-04422-PINION (C) _____ 1

5-04302-COVER _____ 1

5-04508-BEARING _____ 1

5-04309-GASKET _____ 2

1-BRACKET _____ 4032

2-WASHER _____ 2762

1- LEVER _____ 11-04403

1-KNOB _____ 34-13508

5-04413-SPACER _____ 1

5-04303-COVER _____ 1

5-04312-SPACER _____ 1

5-04509-BEARING _____ 1

1- PLUG _____ 5-04618

1- NIPPLE _____ 5-04616

1- ELBOW _____ 5-04617

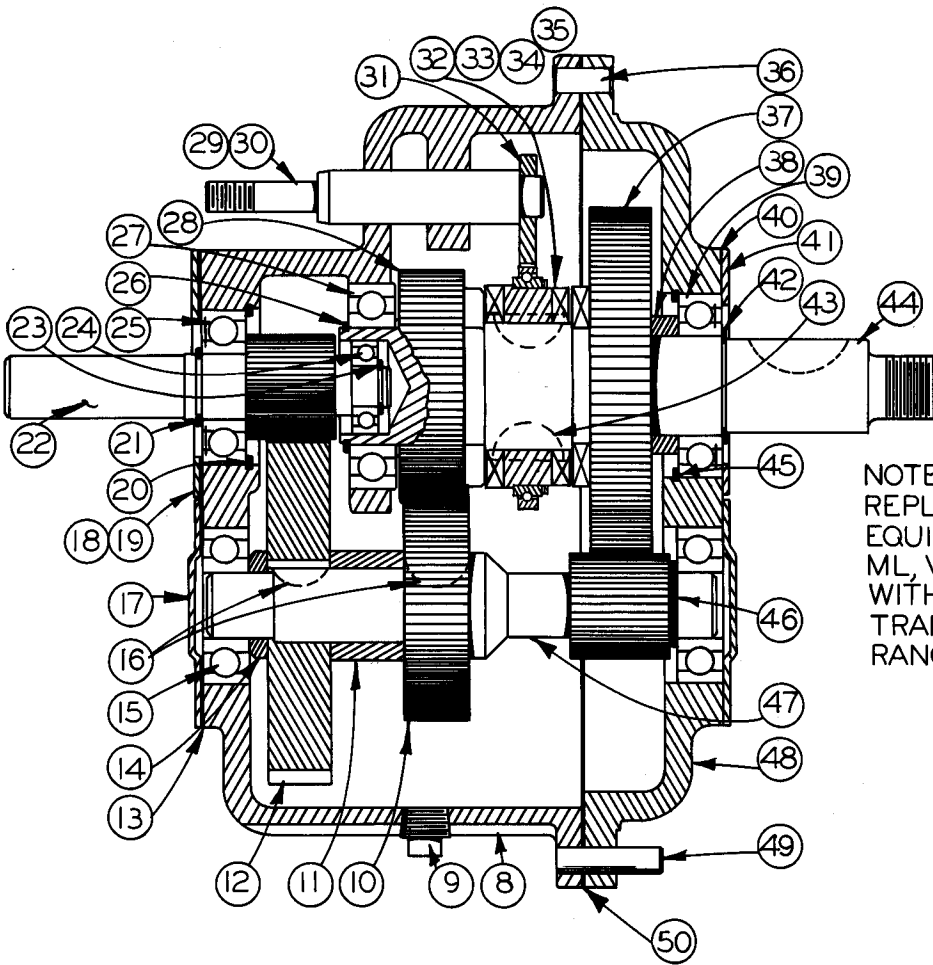
TRANSMISSION CASE WITH
GEAR ASSEMBLIES _____ 6-04005

C-4-6

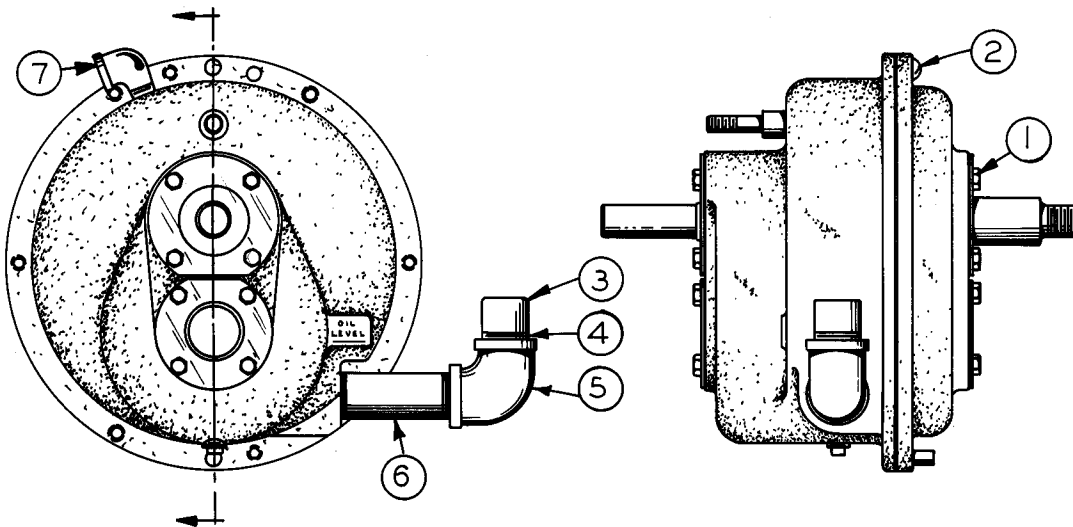
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TRANSMISSION ASSEMBLY - MODEL V36

FIRST MACH. 363949
LAST MACH. 36535628



NOTE: THIS TRANS. ASSY. REPLACES ORIGINAL EQUIPMENT ON MODELS ML, V-36, 16-2, & 36-2 WITH A TWO SPEED TRANS. WITH SPEED RANGES OF 50 TO 1500.

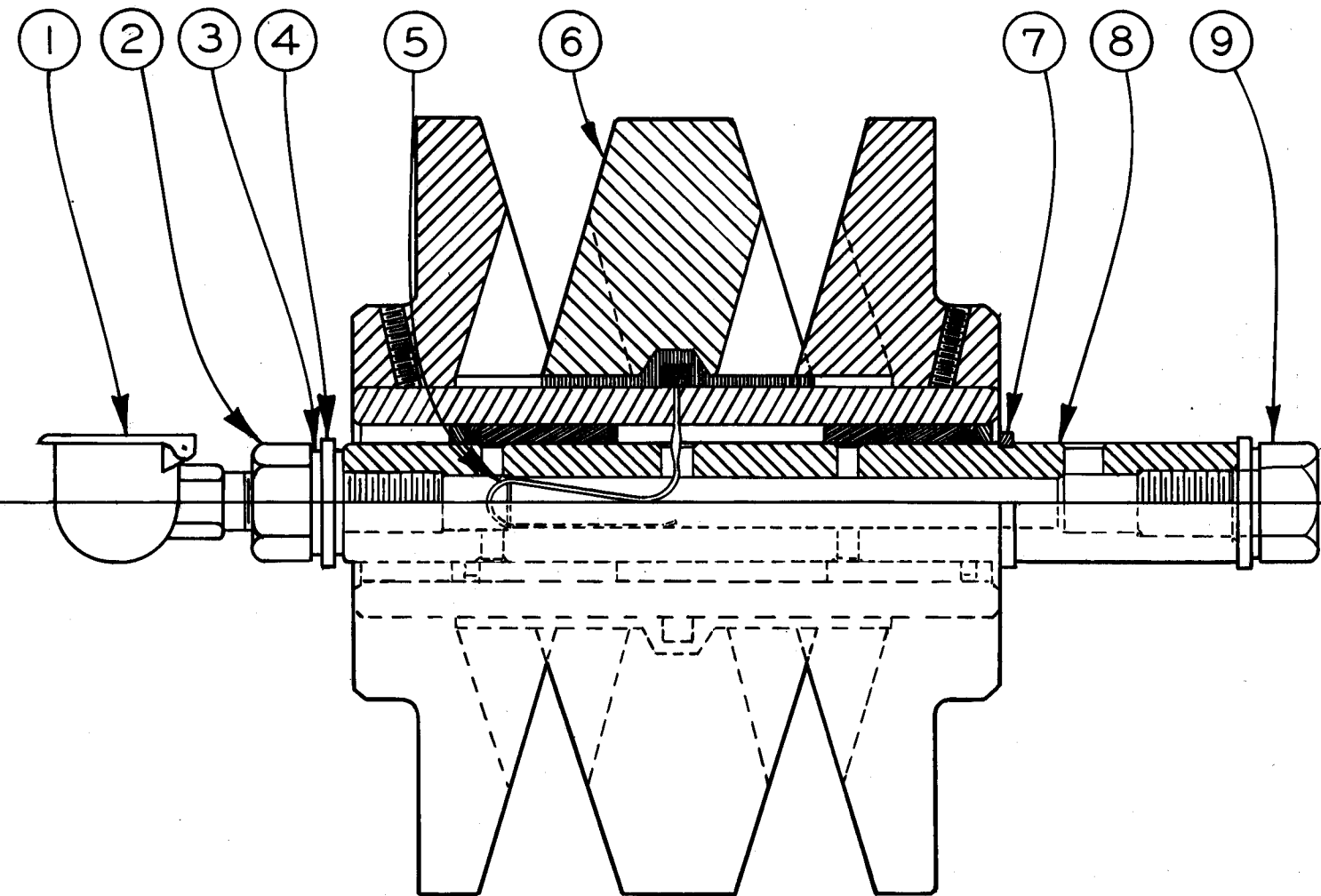


2 SPEED TRANSMISSION ASSY

2 SPEED TRANSMISSION ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y.								
			1	2	3	4	5	6	7		
	55617	2 Speed Transmission Assembly								1	
1	Comm.	. Hex. Hd. Cap Scr. 1/4-20 x 3/8									16
2	Comm.	. Fil Hd. Mach. Scr. 5/16-18 x 3/4									4
3	11069	. Pipe Cap									1
4	5905	. Nipple									1
5	5-04617	. 90° Elbow									1
6	100187	. Nipple									1
7	17-13521	. 90° St. Elbow									1
8	54871	. Transmission Case									1
9	5-04612	. Pipe Plug									1
10	6-04424	. Gear									1
11	105687	. Spacer									1
12	5-04424	. Gear									1
13	5-04309	. Gasket									2
14	103235	. Spacer									1
15	108557	. Bearing									2
16	5-04602	. Key									2
17	5-04303	. Cover									2
18	105688	. Coverplate									1
19	105689	. Gasket									1
20	35-8189	. Retaining Ring									1
21	35-8664	. Retaining Ring									1
22	31714	. Input Shaft and Pinion									1
23	105710	. Retaining Ring									1
24	105698	. Bearing									1
25	100122	. Bearing									1
26	35-7538	. Retaining Ring									1
27	2273	. Bearing									1
28	29277	. Clutch Gear									1
* 29	111449	. Shifter Fork Assembly									1
30	111446	. . Shifter Shaft									1
31	111448	. . Shifter Yoke Weldment									1
* 32	111451	. Shifter Clutch Assembly									1
33	48621	. . Shifter Clutch									1
34	111450	. . Ball Bearing									1
35	4209	. . Rollpin									3
36	5-04415	. Dowel Pin									1
37	6-04421	. Clutch Gear									1
38	105686	. Spacer									1
39	105699	. Bearing									1
40	105691	. Gasket									1
41	105690	. Cover Plate									1
42	1719	. Retaining Ring									1
43	35-7192	. Key									2
44	29199	. Output Shaft									1
45	105709	. Retaining Ring									1
46	105700	. Shim									As Req.
47	29269	. Counter Shaft									1
48	47046	. Transmission Cover									1
49	5-04412	. Dowel Pin									1
50	5-04311	. Gasket									1

*NOTE Shifter Fork Assembly was #35-5026 and clutch assembly was #6-04505.
To replace any obsolete part order together #111449 Shifter Fork Assembly
and #111451 Shifter Clutch Assembly.



NOTE: VARIABLE ASSY # 34-05000
 REPLACES ASSY. NO'S 35-6597, 35-8015 & 43059
 COMPLETE ASSEMBLIES MUST BE ORDERED TO
 REPLACES PARTS IN ABOVE ASSEMBLIES.

MODEL FIRST MACH. LAST MACH.
 CM-16 116-57101 116-60112



#34-05000
 VARIABLE PULLEY



C-5-35 G7-4.2

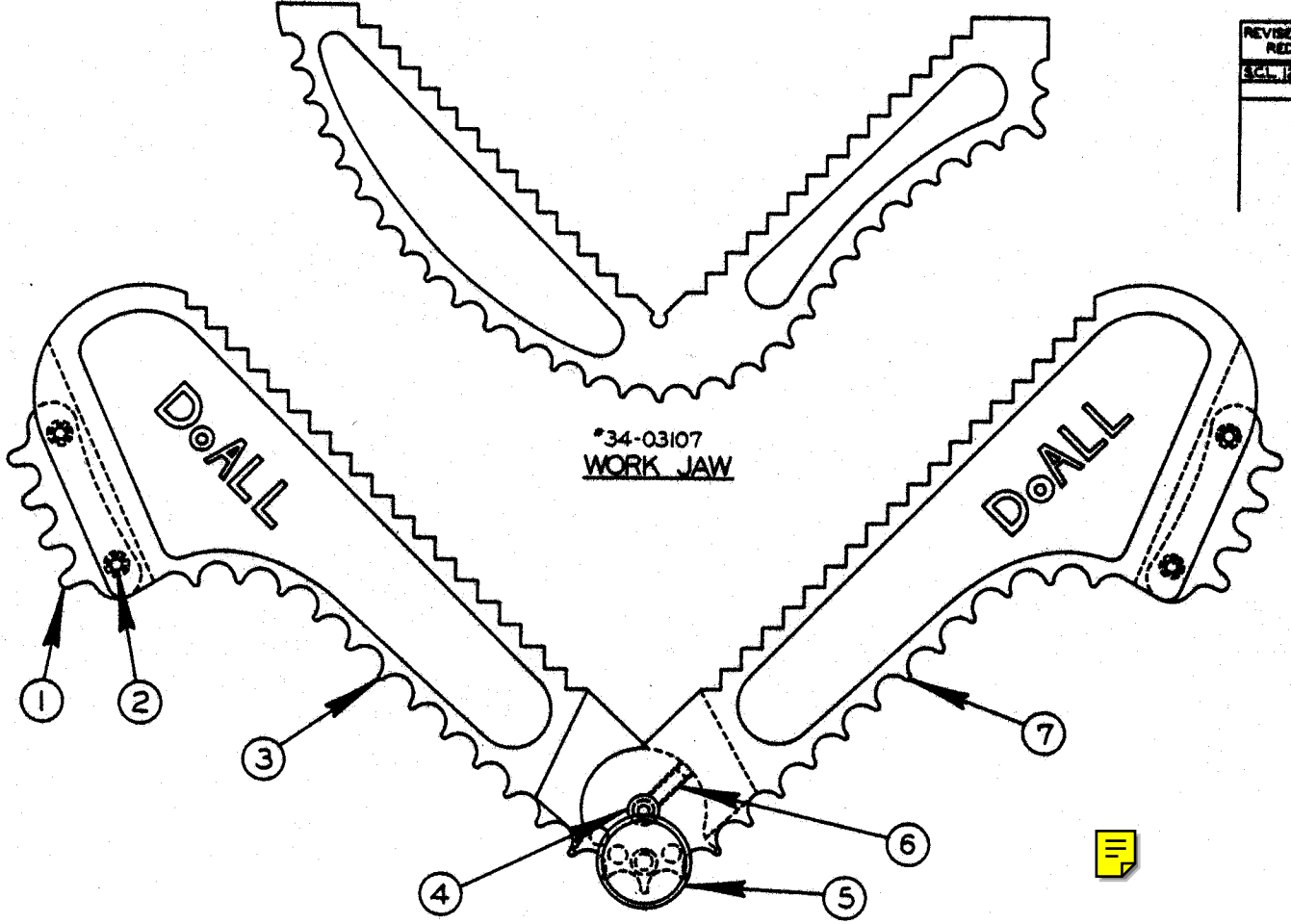
PRINTED IN U.S.A.

CODE NO.

C-5-35G7-4.2

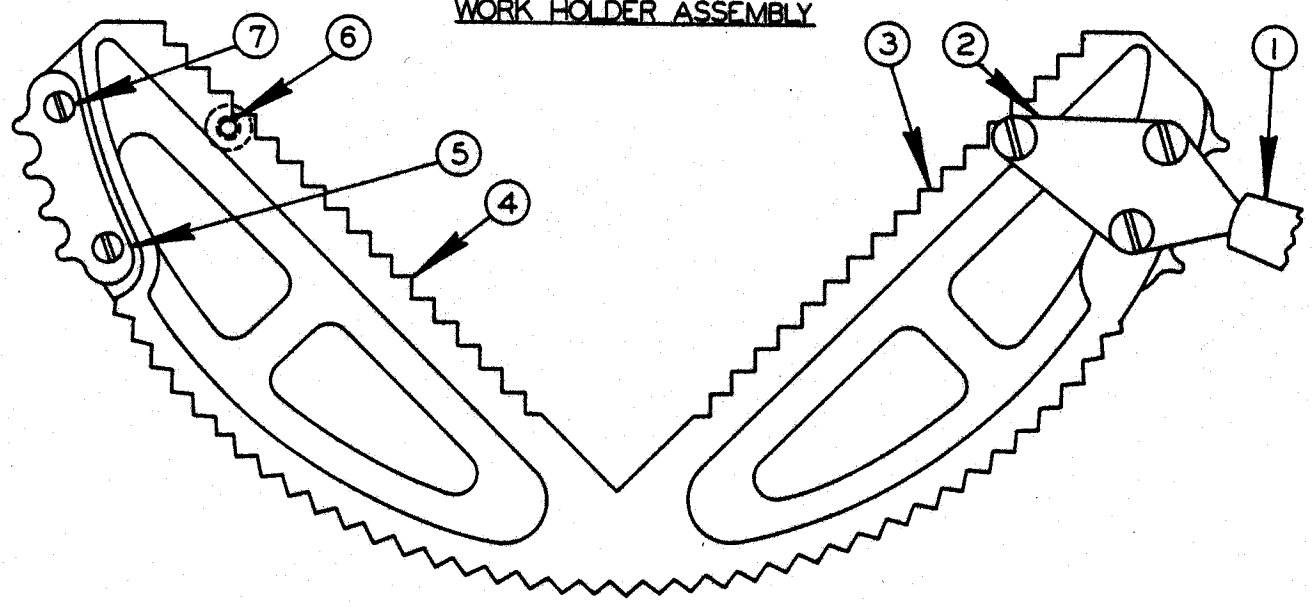
VARIABLE PULLEY ASSEMBLY

INDEX NO. Ref.	PART NO.	DESCRIPTION	UNITS PER ASS'Y
	34-05000	Variable Pulley Assembly	
1	35-5877	. Variable Oiler.....	1
2	35-6039	. Oiler Bolt.....	1
3	34-05519	. Copper Gasket.....	3
4	35-2736	. Washer.....	2
5	34-05311	. Oil Carrier.....	1
6	45665	. Variable Sheaver Sleeve Sub-Assembly	1
7	34-05525	. Snap Ring.....	1
8	34-05401	. Variable Pulley Shaft.....	1
9	35-6381	. Bolt 5/8-11NC x 1.....	1



*34-03107
WORK JAW

*40262
WORK HOLDER ASSEMBLY



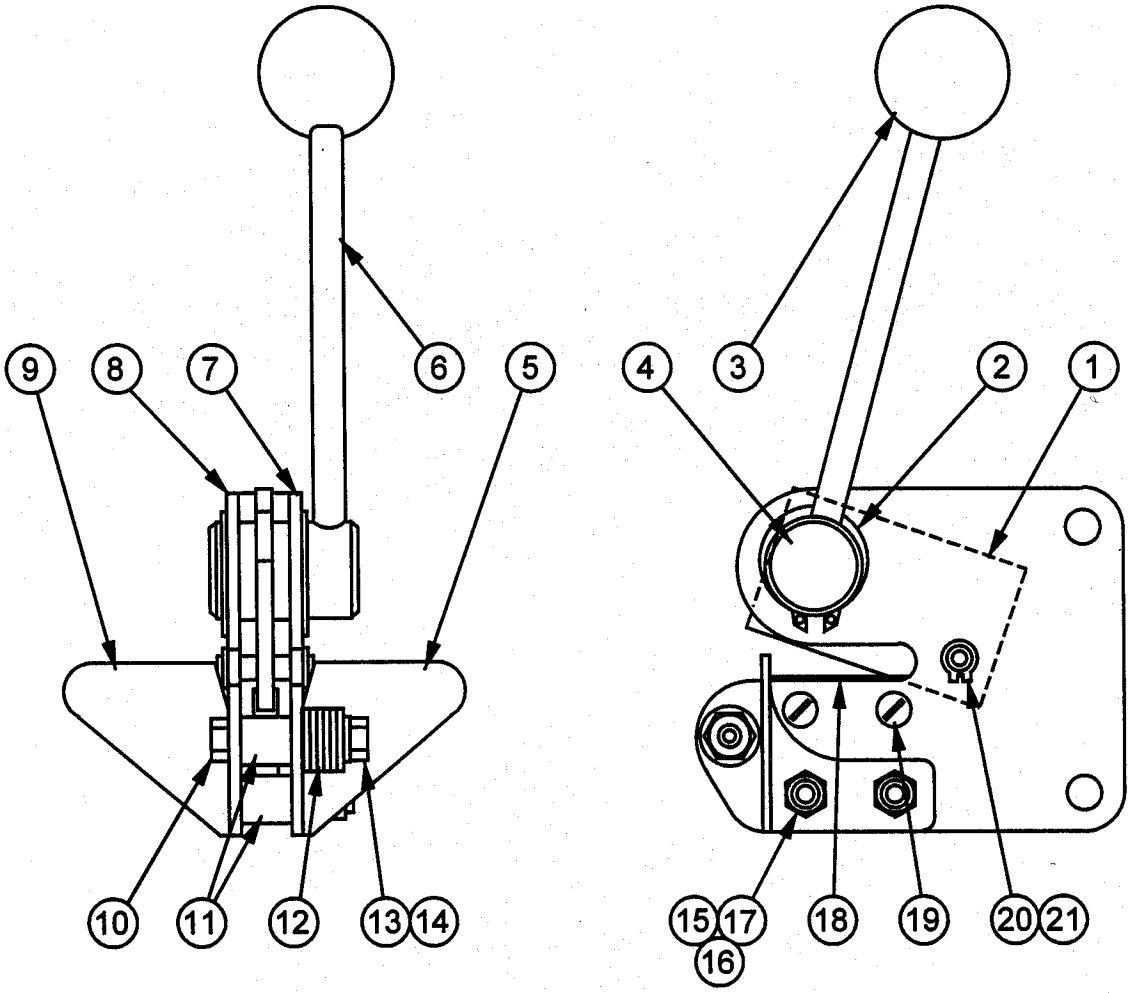
*5-13007
WORK HOLDING JAW ASSEMBLY

WORK HOLDING JAW

INDEX NO.	CATALOG NO.	DESCRIPTION	UNITS PER ASS'Y
REF.	134-031079	Work Jaw	
REF.	090-402629	Work Holder Assembly	
*1	105-133136	. Sprocket	2
2	091-986984	. Screw, Fil. Hd. Mach. #10-24NC x 1/2	4
3	090-203860	. Left Arm	1
4	091-982355	. Screw, Soc. Hd. Cap 1/4-20NC x 3/8	1
5	090-021627	. Knurled Screw	1
6	091-984104	. Screw, Soc. Hd. Set #10-24NC x 1/4	2
7	090-203852	. Right Arm	1
REF.	105-130074	Work Holding Jaw Assembly	
1	105-135123	. Handle	2
2	105-133185	. Handle Bracket	2
3	090-406786	. Work Holding Jaw Sub-Assembly	1
4	105-131106	. . Work Holding Jaw	1
*5	105-133136	. . Sprocket	2
6	091-988923	. . Screw, Rd. Hd. Mach. 1/4-20NC x 5/16	6
7	091-990150	. . Screw, Truss Hd. Mach. #10-24NC x 3/8	4

*NOTE: Before 2/12/44 On Hydraulic Machines Use #106-233372 Sprocket With 3/16" Pitch, Specify Pitch Of Chain When Ordering.

NEW DRG.
S.C.L. 11-6-97
REVISIONS



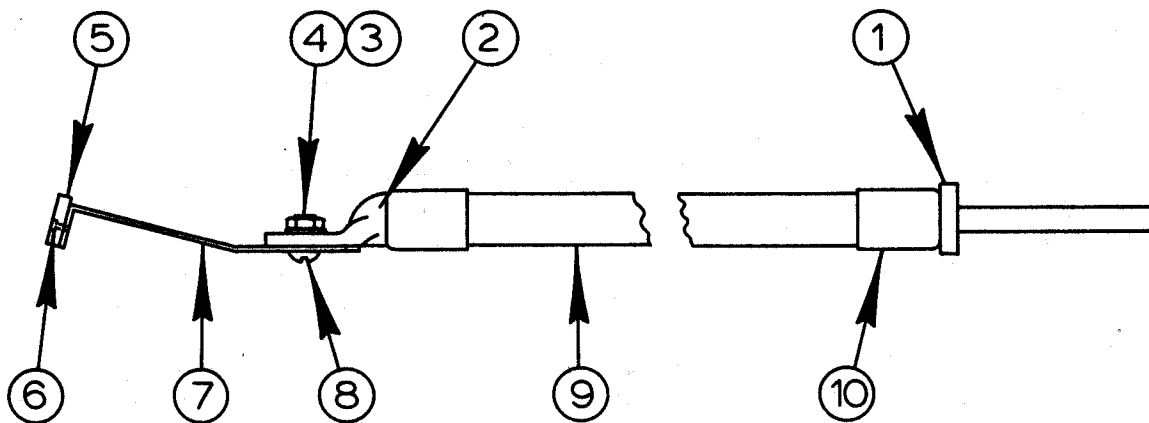
BLADE SHEAR ASSEMBLY

BLADE SHEAR ASSEMBLY

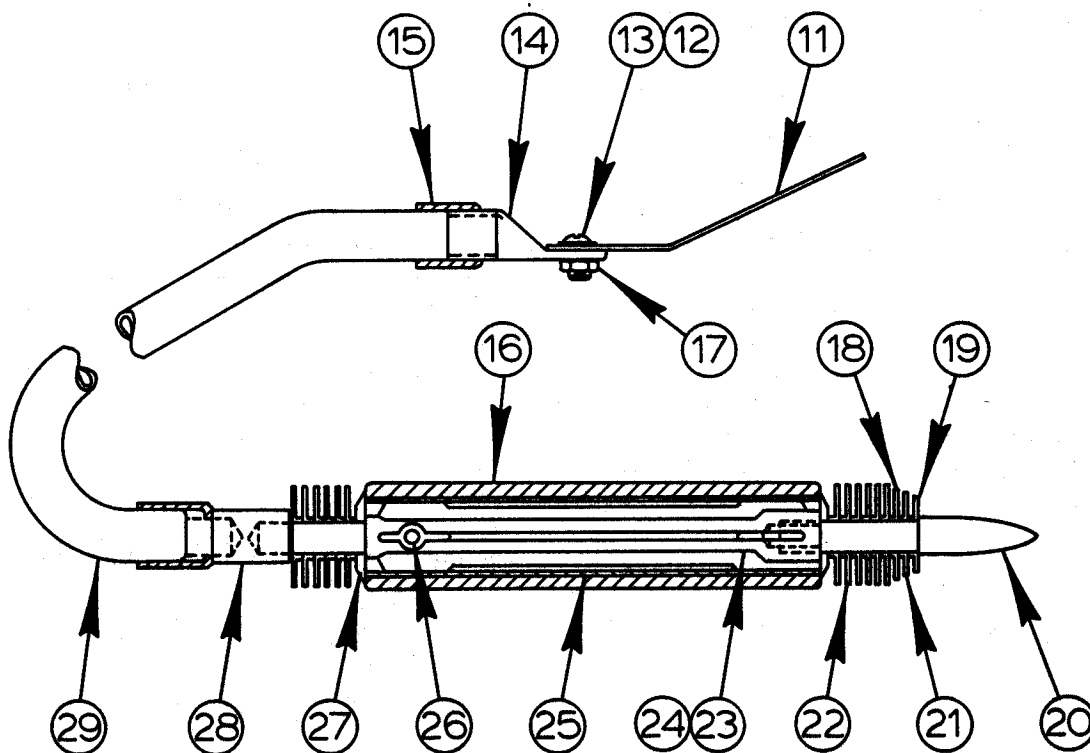
INDEX NO. Ref.	PART NO.	DESCRIPTION	UNITS PER ASSY.
1	091-318073	Blade Shear Assembly	
2	135-084374	. Knife	1
3	135-075588	. Retaining Ring	2
4	134-135086	. Knob	1
5	135-084416	. Eccentric.....	1
6	135-084465	. R.H. Square.....	1
7	135-084382	. Handle	1
8	135-084481	. R.H. Side Plate	1
9	135-084473	. L.H. Side Plate.....	1
10	135-084457	. L.H. Square	1
11	091-980128	. Screw, Hex. Hd. Cap 1/4-20NC x 1-1/2	1
12	091-000166	. Spacer	3
13	091-992610	. Washer, Flat 1/4 S.A.E. Std.....	6
14	091-991158	. Nut, Hex. 1/4-20NC	1
15	091-993212	. Washer, Lock 1/4 Std.	1
16	091-980110	. Screw, Hex. Hd. Cap 1/4-20NC x 1-1/4	2
17	091-991158	. Nut, Hex. 1/4-20NC	2
18	091-993212	. Washer, Lock 1/4 Std.	2
19	091-000158	. Blade	2
20	091-988659	. Screw, Rd. Hd. Mach. #10-24NC x 1/4	4
21	135-084515	. Pin	1
	135-085827	. Retaining Ring	2

Following Not Shown and Used for Mounting. Select What Applies to Your Machine:

091-211276	. Nutsert 5/16-18NC.....	2
091-980276	. Screw, Hex. Hd. Cap 5/16-18NC x 3/4.....	2
091-993238	. Washer, Lock 5/16 Std.	2
091-467209	. Bracket.....	1
091-989061	. Screw, Rd. Hd. Mach. 5/16-18NC x 3/4	2



ETCHING PENCIL SHORT END ASSEMBLY



ETCHING PENCIL ASSEMBLY

ETCHING PENCIL ASSEMBLY

INDEX NO.	PART NO.	DESCRIPTION	UNITS PER ASS'Y
Ref.	113-070031	Etching Pencil Assembly	
*Ref.	135-051092	. Etching Pencil Short End Assembly.....	1
1	106-074206	. . Plug.....	1
2	090-195454	. . Terminal Lug.....	1
3	091-991091	. . Nut, Hex. Jam #8-32NC.....	1
4	091-992925	. . Washer, Flat #8-S Brass.....	1
5	113-073035	. . Welder Jaw Insulator.....	1
6	134-184076	. . File Rivet.....	2
7	113-073027	. . Terminal Strip.....	1
8	091-988527	. . Screw, Rd. Hd. Mach. #8-32NC x 5/16.....	1
9	091-359943	. . Cable.....	A.R.
10	090-021544	. . Ferrule.....	2
Ref.	113-070049	. Etching Pencil Assembly.....	1
11	113-073043	. . Terminal Strip.....	1
12	091-988527	. . Screw, Rd. Hd. Mach. #8-32NC x 5/16.....	1
13	091-992909	. . Washer, Flat #10-L Brass.....	1
14	090-195454	. . Terminal Lug.....	1
15	090-021544	. . Ferrule.....	2
16	106-075039	. . Tube.....	1
17	091-991091	. . Nut, Hex. Jam #8-32NC.....	1
18	106-073083	. . Fin.....	1
19	106-073109	. . Fin.....	1
20	106-074248	. . Point.....	1
21	106-073091	. . Fin.....	1
22	106-073075	. . Fin.....	12
23	135-050771	. . Etching Pencil Stem Assembly.....	1
24	106-072010	. . . Stem.....	1
25	106-074212	. . . Brass Tube.....	1
26	106-074255	. . . Pin.....	1
27	106-073117	. . Washer.....	2
28	106-074230	. . Connector.....	1
29	091-359943	. . Cable.....	A.R.

*NOTE: This Assembly Used For Buttwelders With Ground Bushing On Panel Before 6-23-44.