

PARTS LIST

for

Reed Cylindrical Die Thread Rolling Machine

Model A-22

When ordering parts, always furnish the serial number of the machine as well as the symbol number and name of the part obtained from this book.

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Machine Parts List **A22-3**

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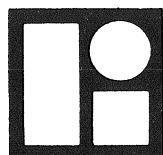
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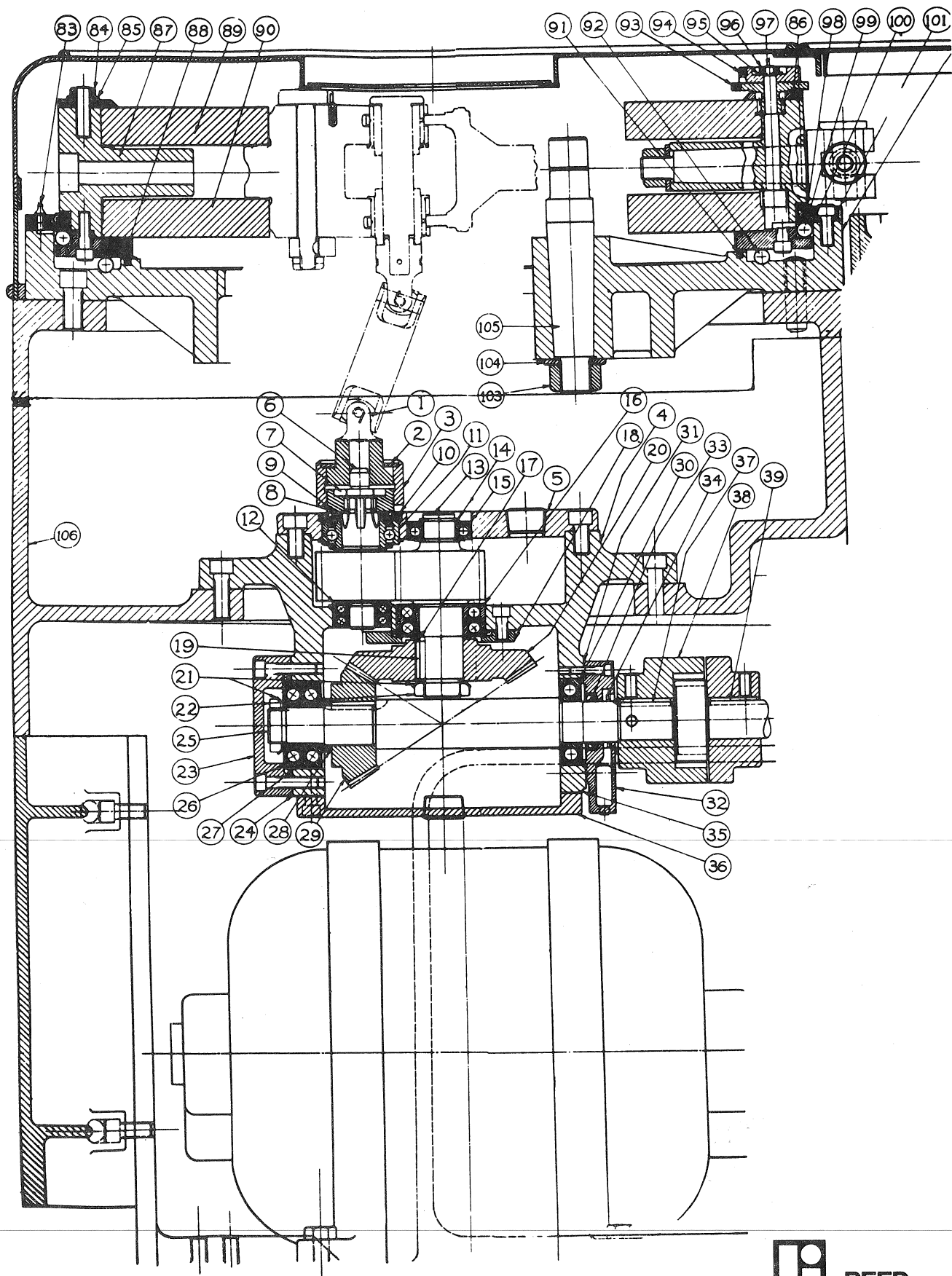
Photograph of Parts
List of Parts



Litton

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Holden, Mass. 01520 U.S.A.



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Thread Rolling Tools

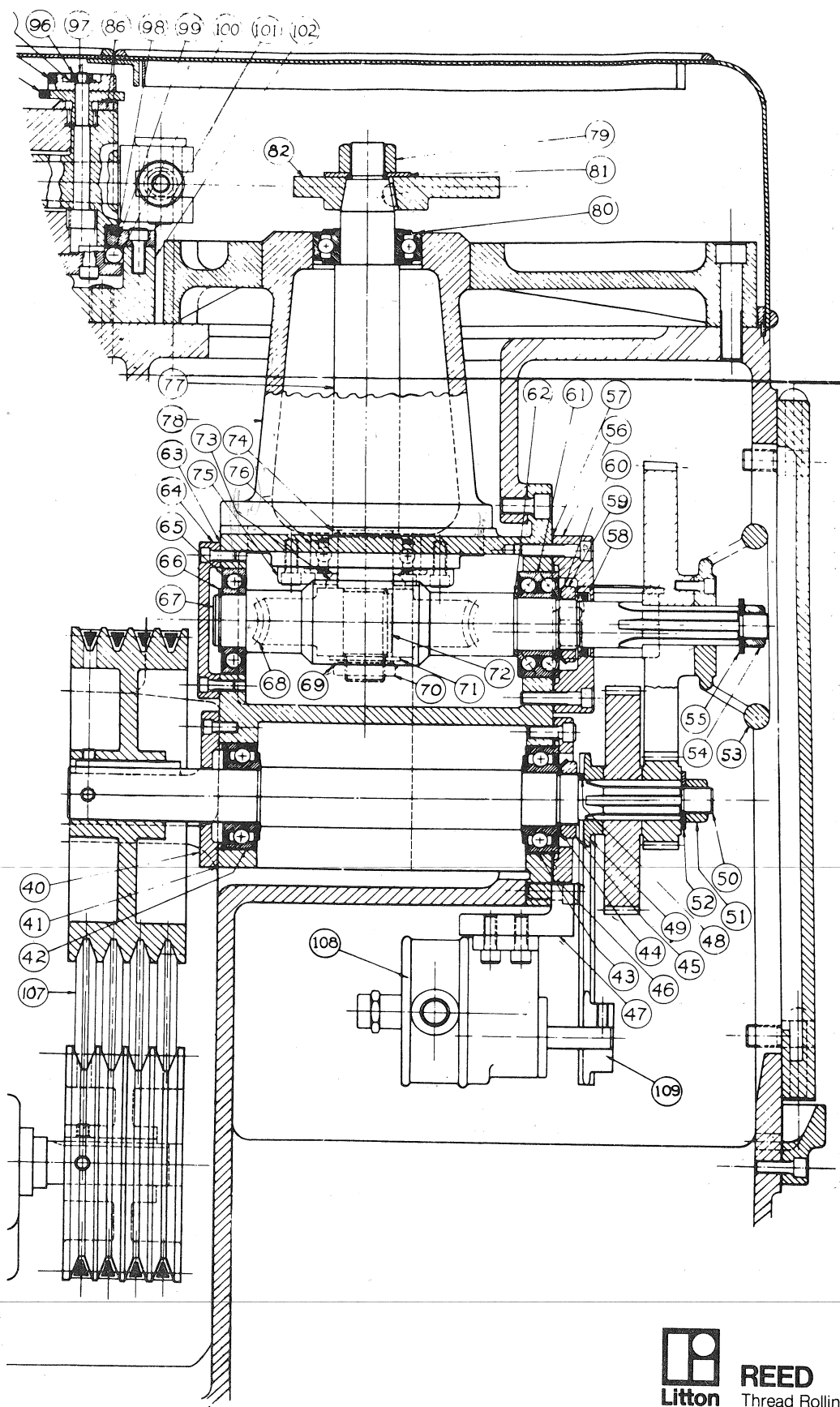
No. A22 MACHINE ASSEMBLY

IMPORTANT: Always furnish serial number of machine.

<u>Symbol</u> <u>No.</u>	<u>Name of Part</u>
1 - - - - -	Top Die Matching Gear
2 - - - - -	Ring Gear Cap
3 - - - - -	Die Matching Ring Gear
4 - - - - -	Die Drive Housing
5 - - - - -	Top Cover
6 - - - - -	Cluster Gear
7 - - - - -	Bottom Die Matching Gear Nut
8 - - - - -	Bottom Die Matching Gear
9 - - - - -	Cluster Gear Shaft Collar
10 - - - - -	Cluster Gear Shaft Oil Seal
11 - - - - -	Ball Bearing WC 488506X1C
12 - - - - -	Ball Bearing ND 45204X1A
13 - - - - -	Bevel Gear Shaft
14 - - - - -	Bevel Gear Shaft Snap Ring
15 - - - - -	Ball Bearing NDWC-88505X1C
16 - - - - -	Ball Bearing ND 45207X1A
17 - - - - -	Bevel Gear Shaft Collar
18 - - - - -	Bevel Gear Bearing Retainer
19 - - - - -	Key
20 - - - - -	Bevel Gear
21 - - - - -	Ball Bearing Lock Washer NDW 06
22 - - - - -	Ball Bearing Lock Nut NDN 06
23 - - - - -	Ball Bearing Cap
24 - - - - -	Ball Bearing Cap Gasket
25 - - - - -	Bevel Pinion Shaft
26 - - - - -	Ball Bearing ND 45306X1A
27 - - - - -	Bevel Pinion Bearing Spacing Washer
28 - - - - -	Bevel Pinion Shaft Collar
29 - - - - -	Bevel Pinion
30 - - - - -	Ball Bearing ND 7507X1A
31 - - - - -	Bevel Pinion Shaft Oil Seal Cap Gasket
32 - - - - -	Bevel Pinion Shaft Oil Seal Cap
33 - - - - -	Bevel Pinion Shaft Oil Seal
34 - - - - -	Oil Slinger
35 - - - - -	Bottom Cover Gasket



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No. A22 MACHINE ASSEMBLY

IMPORTANT: Always furnish serial number of machine

<u>Symbol</u> <u>No.</u>	<u>Name of Part</u>
36 - - - - -	Bottom Cover
37 - - - - -	Key
38 - - - - -	Coupling
39 - - - - -	Die Drive Shaft With Key
40 - - - - -	End Cap
41 - - - - -	Gasket
42 - - - - -	Ball Bearing NDWC 88508X1C
43 - - - - -	Ball Bearing NDWC 488508X1C
44 - - - - -	Lock Washer NDW 08
45 - - - - -	Lock Nut NDN 08
46 - - - - -	Ball Bearing Cap
47 - - - - -	Pump Bracket
48 - - - - -	Sprocket Spacer
49 - - - - -	Sprocket (Driver)
50 - - - - -	Main Drive Shaft
51 - - - - -	3/4-16 Standard Hex Nut
52 - - - - -	3/4 x 1-1/2 x 3/32 Standard Washer
53 - - - - -	Hand Wheel
54 - - - - -	3/4-16 Standard Hex Nut
55 - - - - -	3/4 x 1-1/2 x 3/32 Standard Washer
56 - - - - -	Worm Shaft Ball Bearing Cap
57 - - - - -	Worm Shaft Ball Bearing Cap Gasket
58 - - - - -	Oil Seal
59 - - - - -	Lock Nut NDN 08
60 - - - - -	Lock Washer NDW 08
61 - - - - -	Ball Bearing ND 45508X1A
62 - - - - -	Worm Shaft Spacer
63 - - - - -	Worm Shaft End Cap Gasket
64 - - - - -	Worm Shaft End Cap
65 - - - - -	Ball Bearing ND 7208X1A
66 - - - - -	Cam Worm Shaft Snap Ring
67 - - - - -	Worm Shaft
68 - - - - -	Worm Gear
69 - - - - -	Lock Washer NDW 06
70 - - - - -	Lock Nut NDN 06
71 - - - - -	Bottom Cam Shaft Washer
72 - - - - -	Key
73 - - - - -	Worm Gear Spacer
74 - - - - -	Cam Shaft Spacer
75 - - - - -	Cam Shaft Housing Bearing Cap



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No. A22 MACHINE ASSEMBLY

IMPORTANT: Always furnish serial number of machine.

<u>Symbol</u> <u>No.</u>	<u>Name of Part</u>
76 - - - - -	Ball Bearing NDWC 488508X1C
77 - - - - -	Cam Shaft
78 - - - - -	Cam Shaft Housing
79 - - - - -	1" - 14 Standard Hex Nut
80 - - - - -	Ball Bearing NDWC 88508X1C
81 - - - - -	Washer
82 - - - - -	Cam
83 - - - - -	Alemite Fitting No. 1633
84 - - - - -	1/2-13 Standard Hex Nut
85 - - - - -	1/2 x 1-1/16 x 5/64 Finished Beveled Washer
86 - - - - -	Top Clamping Ring
87 - - - - -	Oscillating Ring
88 - - - - -	Bottom Clamping Ring
89 - - - - -	Top Scroll Ring
90 - - - - -	Bottom Scroll Ring
91 - - - - -	Bottom Grease Seal
92 - - - - -	1/2 Diameter Steel Ball
93 - - - - -	Top Scroll Ring Adjustable Pinion
94 - - - - -	Scroll Adjustable Knob
95 - - - - -	5/16 x 3/4 x 1/16 Finished Beveled Washer
96 - - - - -	5/16 - 24 Hex Jam Nut
97 - - - - -	Bottom Scroll Ring Adjustable Pinion
98 - - - - -	Top Grease Seal
99 - - - - -	1/2" Diameter Steel Ball
100 - - - - -	9/16" Diameter Steel Rollers
101 - - - - -	Bearing Retaining Ring
102 - - - - -	Ball Race and Anchor Post Bracket
103 - - - - -	1" - 14 Standard Hex Nut
104 - - - - -	1-1/16 x 2-1/2 x 11/64 Standard Washer
105 - - - - -	Anchor Post
106 - - - - -	Main Housing
107 - - - - -	Drive Belt Set
108 - - - - -	Oil Pump
109 - - - - -	Sprocket (Driven)
110 - - - - -	Chain

CAM LEVER ASSEMBLY

IMPORTANT: Always furnish serial number of machine.

<u>Symbol</u> <u>No.</u>							<u>Name of Part</u>
111	-	-	-	-	-	-	Link Anchor Bolt
112	-	-	-	-	-	-	Link Anchor Bolt Nut
113	-	-	-	-	-	-	Link Anchor Bolt Washer
114	-	-	-	-	-	-	Link Anchor Bolt Roller Bearings
115	-	-	-	-	-	-	Link Anchor Pin
116	-	-	-	-	-	-	Link Anchor Pin Alemite Fitting
117	-	-	-	-	-	-	Adjusting Link Screw
118	-	-	-	-	-	-	Adjusting Link Thimble
119	-	-	-	-	-	-	Adjusting Link Nut
120	-	-	-	-	-	-	Adjusting Link Swivel Stud
121	-	-	-	-	-	-	Swivel Stud Nut
122	-	-	-	-	-	-	Swivel Stud Washer
123	-	-	-	-	-	-	Bottom Cam Lever
124	-	-	-	-	-	-	Top Cam Lever
125	-	-	-	-	-	-	Cam Lever Link Roller Bearing
126	-	-	-	-	-	-	Cam Lever Alemite Fitting
127	-	-	-	-	-	-	Cam Roller
128	-	-	-	-	-	-	Cam Roller Pin
129	-	-	-	-	-	-	Cam Roller Pin Alemite Fitting
130	-	-	-	-	-	-	Cam Lever Post
131	-	-	-	-	-	-	Cam Lever Post Nut
132	-	-	-	-	-	-	Cam Lever Post Bottom Washer
133	-	-	-	-	-	-	Cam Lever Spacer
134	-	-	-	-	-	-	Cam Lever Post Roller Bearing
135	-	-	-	-	-	-	Cam Lever Washer
136	-	-	-	-	-	-	Spring Case Swivel Pin
137	-	-	-	-	-	-	Spring Case Swivel Pin Nuts
138	-	-	-	-	-	-	Spring Case Swivel Pin Washers
139	-	-	-	-	-	-	Spring Case Swivel Block
140	-	-	-	-	-	-	Spring Case Swivel Block Roller Bearing
141	-	-	-	-	-	-	Spring Case Outer Sleeve
142	-	-	-	-	-	-	Inner Spring Case
*143A	-	-	-	-	-	-	Cam Lever Spring (Large)
*143B	-	-	-	-	-	-	Cam Lever Spring (Small - not shown)
144	-	-	-	-	-	-	Spring Case Stud
145	-	-	-	-	-	-	Spring Case Needle Bearings
146	-	-	-	-	-	-	Spring Case Stud Nut
147	-	-	-	-	-	-	Spring Case Stud Washer
148	-	-	-	-	-	-	Cam Lever Post Top Washer
149	-	-	-	-	-	-	Adjusting Link Set Screw

*Indicate if for A22 Machine with High Speed Oscillating Head.

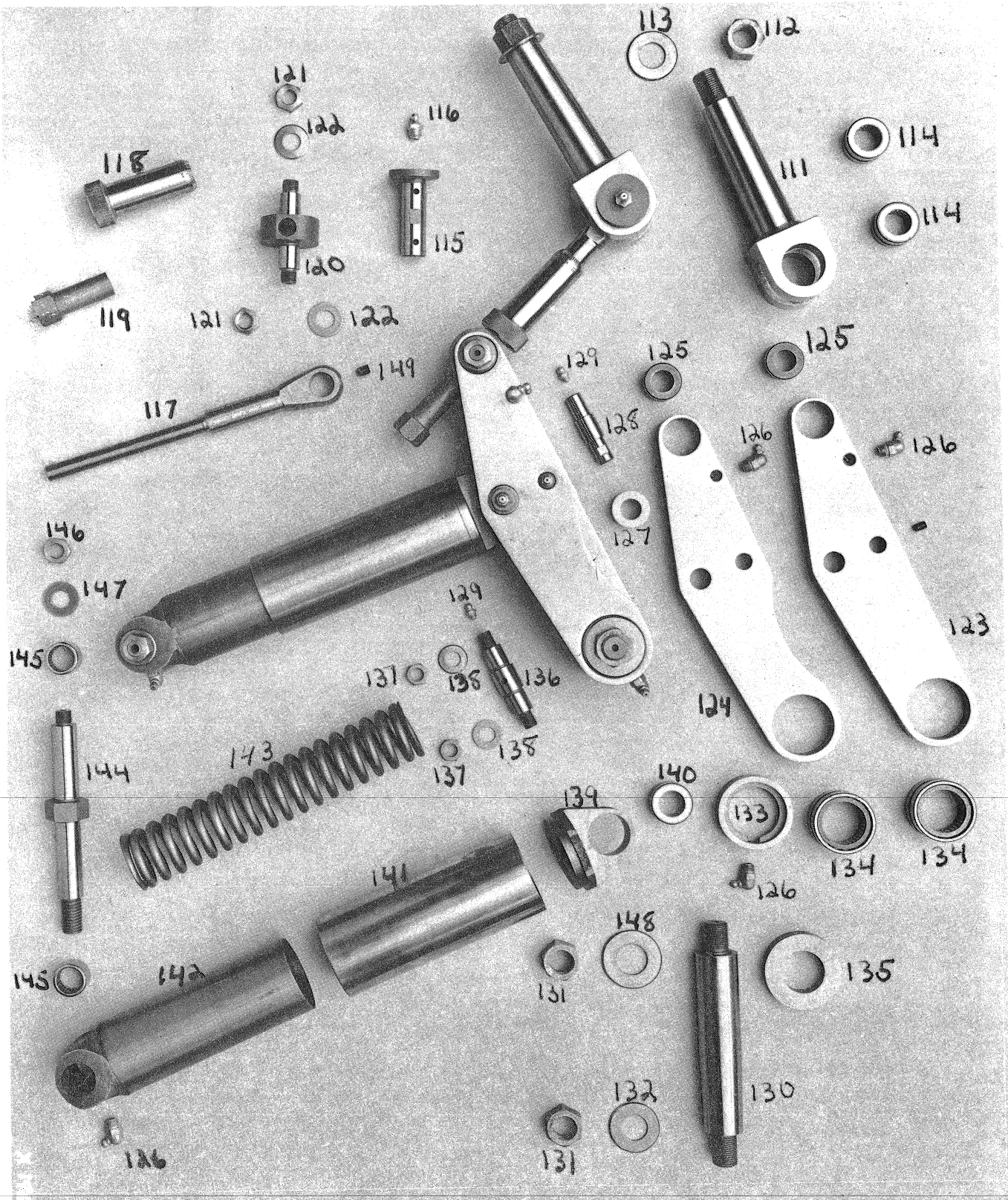


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CAM LEVER PARTS

For A22 or A23 REED Cylindrical Die
Thread Rolling Machines

IMPORTANT: When ordering parts, always furnish model and serial number of machine.



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PIVOT BLOCK ASSEMBLY

UNIT NO. 10U

IMPORTANT: Always furnish serial number of machine.

Symbol
No.

Name of Part

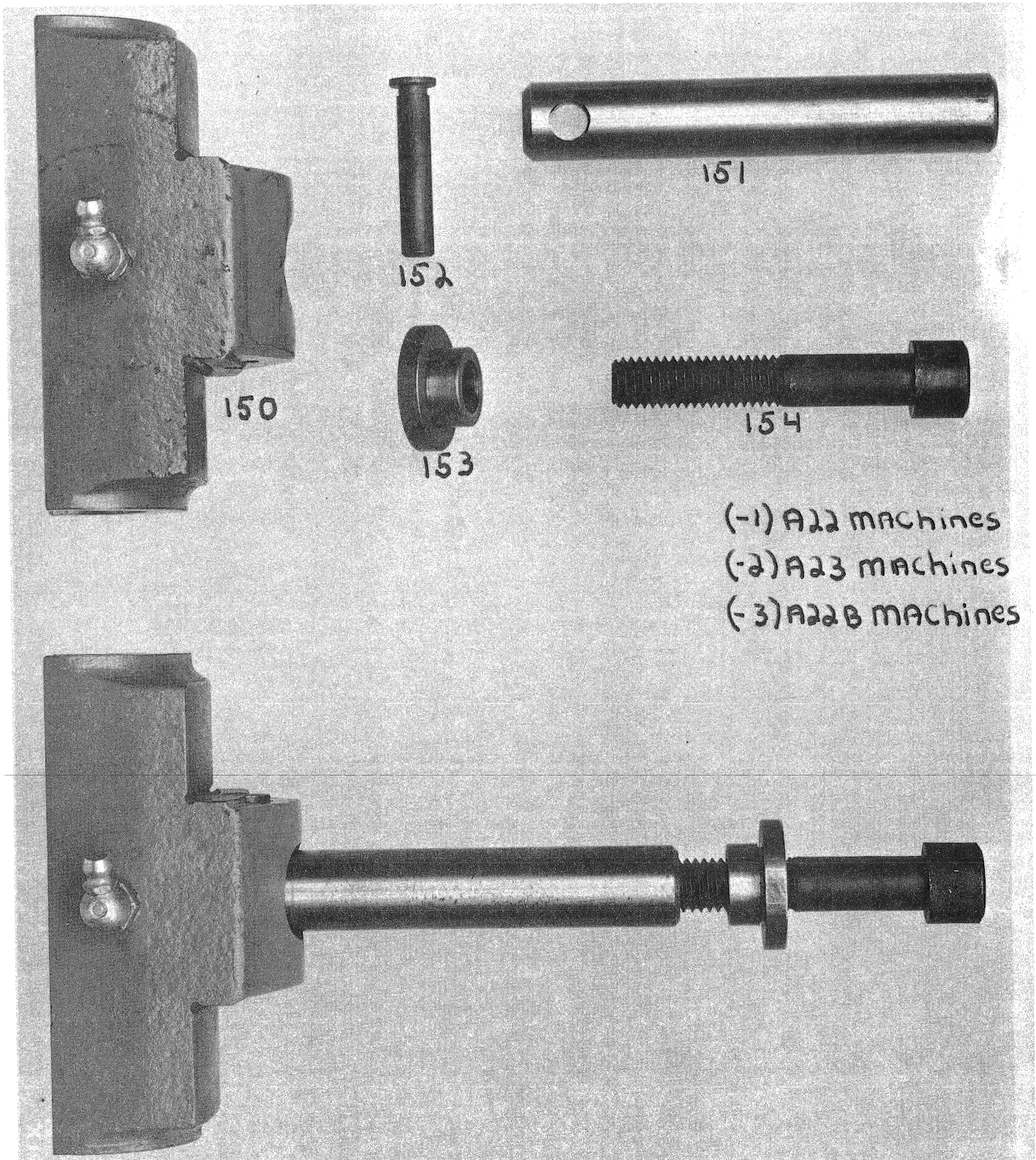
150 - - - - -	Rockerless Pivot Block
151 - - - - -	Pivot Block Arm
152 - - - - -	Pivot Block Pin
153 - - - - -	Pivot Block Washer
154 - - - - -	Pivot Block Cap Screw



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PIVOT BLOCK ASSEMBLY and PARTS
For A22, A22B or A23 REED Cylindrical Die
Thread Rolling Machines

IMPORTANT: When ordering parts, always furnish complete die holder number.



ADJUSTABLE WORK STOP ASSEMBLY

UNIT NO. 12U

IMPORTANT: Always furnish serial number of machine.

<u>Symbol No.</u>	<u>Name of Part</u>
155 - - - - -	Work Stop Base
156 - - - - -	Work Stop Adjusting Screw
157 - - - - -	Work Stop Adjusting Nut
158 - - - - -	Work Stop Spring

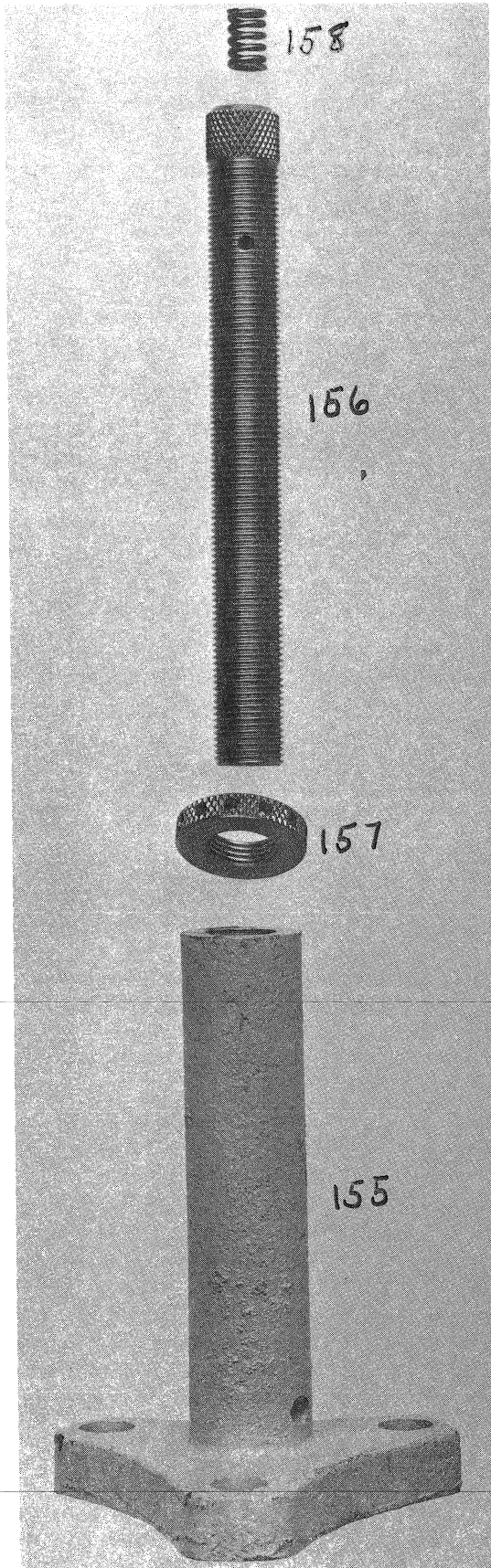


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WORK STOP ASSEMBLY and PARTS

**For A22 or A23 REED Cylindrical Die
Thread Rolling Machines**

IMPORTANT: When ordering parts, always furnish model and serial number of machine.



DOUBLE SUPPORT DIE HOLDER ASSEMBLY

IMPORTANT: Always furnish die holder number and serial number of machine.

Symbol

No.

Name of Part

159	- - - - -	Die Holder Body
160	- - - - -	Thread Rolling Die
161	- - - - -	Die Holder Lock Bolt
162	- - - - -	Die Holder Lock Bolt Key
163	- - - - -	Die Holder Bottom Lock
164	- - - - -	Die Holder Lock Bolt Nut
165	- - - - -	Die Holder Lock Bolt Latch
166	- - - - -	Die Holder Lock Bolt Latch Spring
167	- - - - -	Die Holder Link
168	- - - - -	Die Holder Spindle
169	- - - - -	Top and Bottom Steel Bushing
170	- - - - -	Top and Bottom Bronze Bushing
171	- - - - -	Thread Rolling Die Washer
172	- - - - -	Die Holder Spindle Universal Fork
173	- - - - -	Die Holder Spindle Pin
174	- - - - -	Die Holder Spindle Pin Retainer
175	- - - - -	Solid Universal Joint Connector
176A-	- - - - -	Universal Joint Center Block (Top)
176B-	- - - - -	Universal Joint Center Block (Bottom)
* 177A-	- - - - -	Universal Joint Lock Ring (Top)
* 177B-	- - - - -	Universal Joint Lock Ring (Bottom)
178A-	- - - - -	Small Universal Joint Pin (Top)
178B-	- - - - -	Small Universal Joint Pin (Bottom)
179A-	- - - - -	Large Universal Joint Pin (Top)
179B-	- - - - -	Large Universal Joint Pin (Bottom)
180	- - - - -	Top Matching Gear
181	- - - - -	Matching Sleeve
182	- - - - -	Ring Matching Gear Stop Pin
183	- - - - -	Spindle Bushing Retaining Cap
184	- - - - -	Spindle Bushing Retaining Cap Screw
**	- - - - -	Ring Gear Number Slide (not shown)
**	- - - - -	Number slide Locknut (not shown)
**	- - - - -	Matching Gear Spring (not shown)

* Latest holders contain rivets

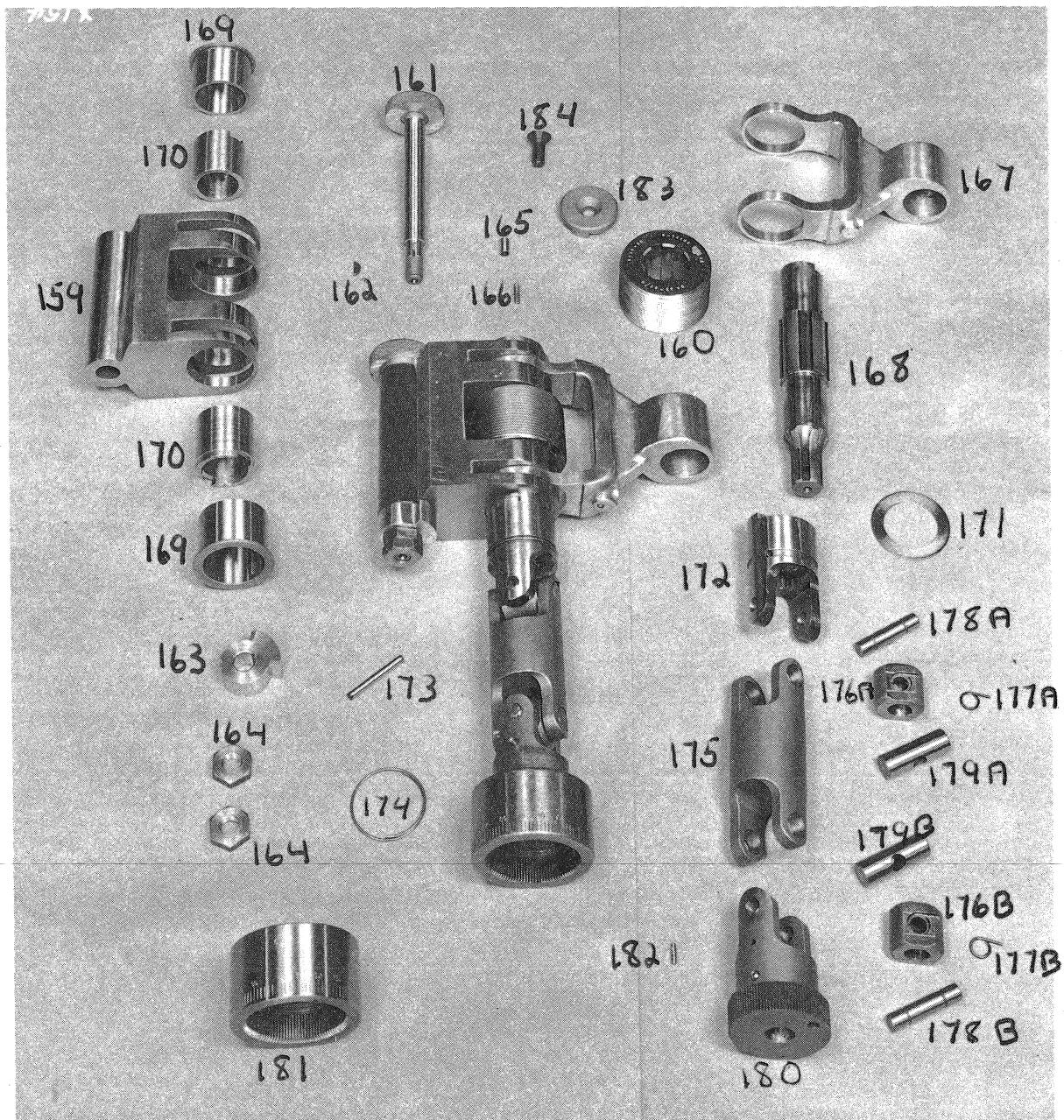
** On A23 Machines only.



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DIE HOLDER PARTS LIST — Double Support
For 1B, 2B, 3B Holders

IMPORTANT: When ordering parts, always furnish complete die holder number.



OVERHUNG DIE HOLDER ASSEMBLY

IMPORTANT: Always furnish die holder number and serial number of machine.

<u>Symbol</u> <u>No.</u>	<u>Name of Part</u>
185 - - - - -	Die Holder Body
186 - - - - -	Thread Rolling Die
187 - - - - -	Die Holder Lock Bolt
188 - - - - -	Die Holder Lock Bolt Key
189 - - - - -	Die Holder Bottom Lock
190 - - - - -	Die Holder Lock Bolt Nut
191 - - - - -	Die Holder Lock Bolt Latch
192 - - - - -	Die Holder Lock Bolt Latch Spring
193 - - - - -	Die Holder Link
194 - - - - -	Die Holder Spindle
195 - - - - -	Die Holder Spindle Key
196 - - - - -	Die Holder Spindle Washer
197 - - - - -	Die Holder Spindle Spring
198 - - - - -	Top or Bottom Bronze Bushing
199 - - - - -	Solid Universal Joint Connector
200A- - - - -	Universal Joint Center Block (Top)
200B- - - - -	Universal Joint Center Block (Bottom)
* 201A- - - - -	Universal Joint Lock Ring (Top)
* 201B- - - - -	Universal Joint Lock Ring (Bottom)
202A- - - - -	Small Universal Joint Pin (Top)
202B- - - - -	Small Universal Joint Pin (Bottom)
203A- - - - -	Large Universal Joint Pin (Top)
203B- - - - -	Large Universal Joint Pin (Bottom)
204 - - - - -	Top Matching Gear
205 - - - - -	Matching Sleeve
206 - - - - -	Ring Matching Gear Stop Pin
207 - - - - -	Thread Rolling Die Retaining Ring
** - - - - -	Ring Gear Number Slide (not shown)
** - - - - -	Number Slide Locknut (not shown)
** - - - - -	Matching Gear Holding Spring (not shown)

* Latest holders contain rivets.

** On A23 Machines only.

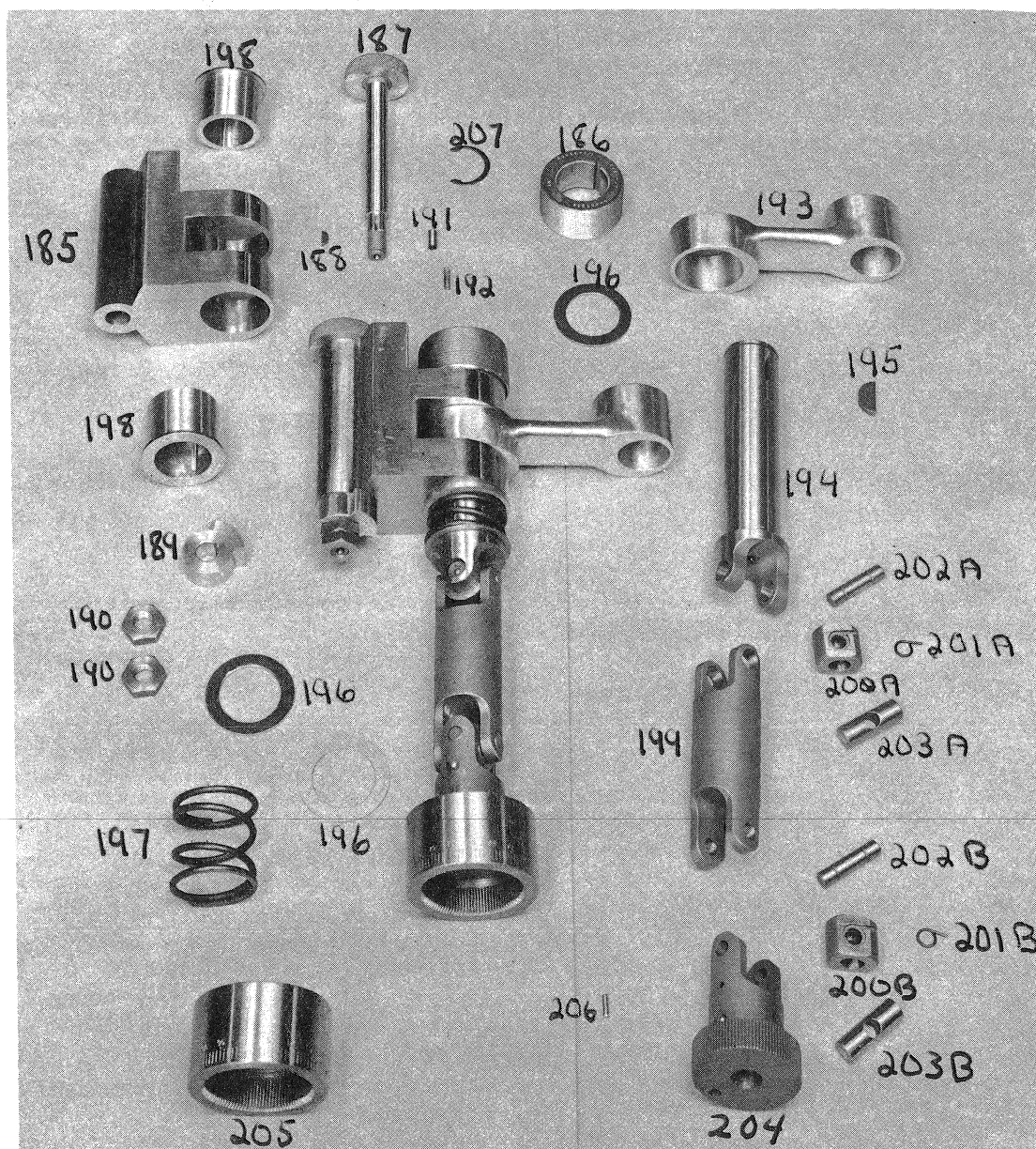


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DIE HOLDER PARTS LIST - Overhung

For 10C, 20C, 30C Holders

IMPORTANT: When ordering parts, always furnish complete die holder number.



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