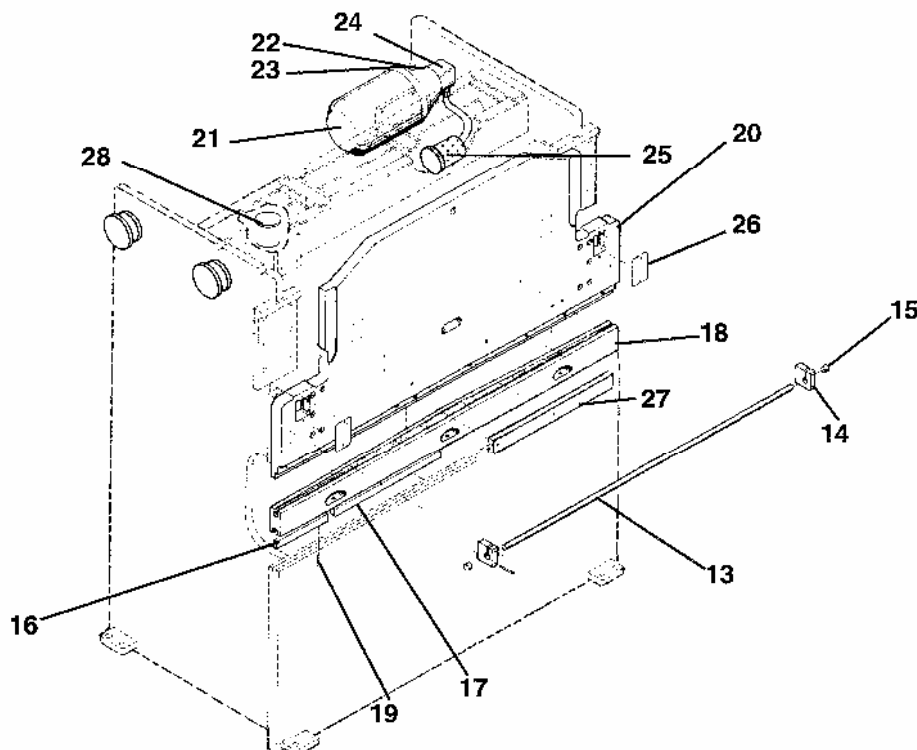


FAB 50 SERIES PRESS BRAKES

FRAME ASSEMBLY

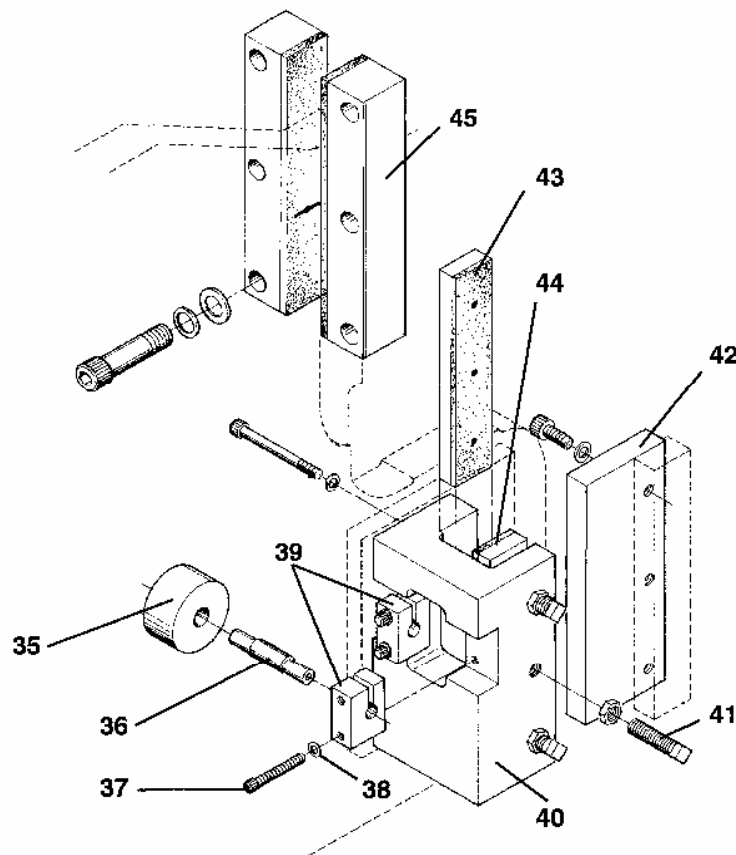


ITEM NO.	DESCRIPTION	FAB 60-72	FAB 60-96	FAB 100-120	FAB 100-144	FAB 100-168	FAB 140-120	FAB 140-144	FAB 140-168
13	Handrail	3859-206	3859-208	3859-210	3859-212	3859-214	3859-210	3859-212	3859-214
14	Bracket, Handrail Mtg.	7486-315	7486-315	7486-315	7486-315	7486-315	7486-315	7486-315	7486-315
15	Cap, Plastic	4510-100	4510-100	4510-100	4510-100	4510-100	4510-100	4510-100	4510-100
16	Key, Die Holder	7485-083	7485-083	7485-083	7485-083	7485-083	7485-083	7485-083	7485-083
17	Key, Die Holder	7485-084	7485-084	7485-084	7485-084	7485-084	7485-084	7485-084	7485-084
18	Holder, Die	7435-905	7435-906	7485-078	7485-079	7485-080	7485-078	7485-079	7485-080
19	Screw, Soc. Hd. Cap	3303-082	3303-082	3303-082	3303-082	3303-082	3303-082	3303-082	3303-082
20	Ram, Press Brake	7237-183	7237-185	7442-052	7442-038		7442-052	7442-038	
21	Motor	4426-053	4426-053	4430-014	4430-014	4430-014	4432-014	4432-014	4432-014
22	Flange, Pump	3257-063	3257-063	3257-064	3257-064	3257-064	3257-064	3257-064	3257-064
23	Coupling, Motor	3428-218	3428-218	3428-220	3428-220	3428-220	3428-220	3428-220	3428-220
24	Pump	3257-172	3257-172	3257-177	3257-177	3257-177	3257-177	3257-177	3257-177
25	Filter, Pump Suction	3764-315	3764-315	3764-315	3764-315	3764-315	3764-315	3764-315	3764-315
26	Cover, Cyl. Rod Nut	7437-014	7437-014	7437-200	7437-200	7437-200	7437-200	7437-200	7437-200
27	Bar, Clamp	7437-160	7437-160	7437-160	7437-160	7437-160	7437-160	7437-160	7437-160
28	Filter, Return	3764-342	3764-342	3764-342	3764-342	3764-342	3764-342	3764-342	3764-342

ITEM NO.	DESCRIPTION	FAB 180-120	FAB 180-144	FAB 180-168	FAB 250-144	FAB 250-168	FAB 400 Series
13	Handrail	3859-210	3859-212	3859-214	3859-212	3859-214	3859-210
14	Bracket, Handrail Mtg.	7486-315	7486-315	7486-315	7486-315	7486-315	7486-315
15	Cap, Plastic	4510-100	4510-100	4510-100	4510-100	4510-100	4510-100
16	Key, Die Holder	7485-083	7485-083	7485-083	7485-083	7485-083	7485-083
17	Key, Die Holder	7485-084	7485-084	7485-084	7485-084	7485-084	7485-084
18	Holder, Die	7485-078	7485-079	7485-080	7485-079	7485-080	7485-080
19	Screw, Soc. Hd. Cap	3303-082	3303-082	3303-082	3303-082	3303-082	3303-082
20	Ram, Press Brake		7237-173	7237-363	7437-543	7437-549	7289-031
21	Motor	4432-014	4432-014	4432-014	4432-014	4432-014	4432-014
22	Flange, Pump	3257-064	3257-064	3257-064	3257-064	3257-064	3257-064
23	Coupling, Motor	3428-220	3428-220	3428-220	3428-220	3428-220	3428-220
24	Pump	3257-177	3257-177	3257-177	3257-177	3257-177	3257-177
25	Filter, Pump Suction	3764-315	3764-315	3764-315	3764-315	3764-315	3764-315
26	Cover, Cyl. Rod Nut	7437-200	7437-200	7437-200	7437-200	7437-200	7489-017
27	Bar, Clamp	7437-160	7437-160	7437-160	7437-160	7437-160	7488-282
28	Filter Return	3764-342	3764-342	3764-342	3764-342	3764-342	3764-342

FAB 50 SERIES PRESS BRAKES

GIBBING CONFIGURATION

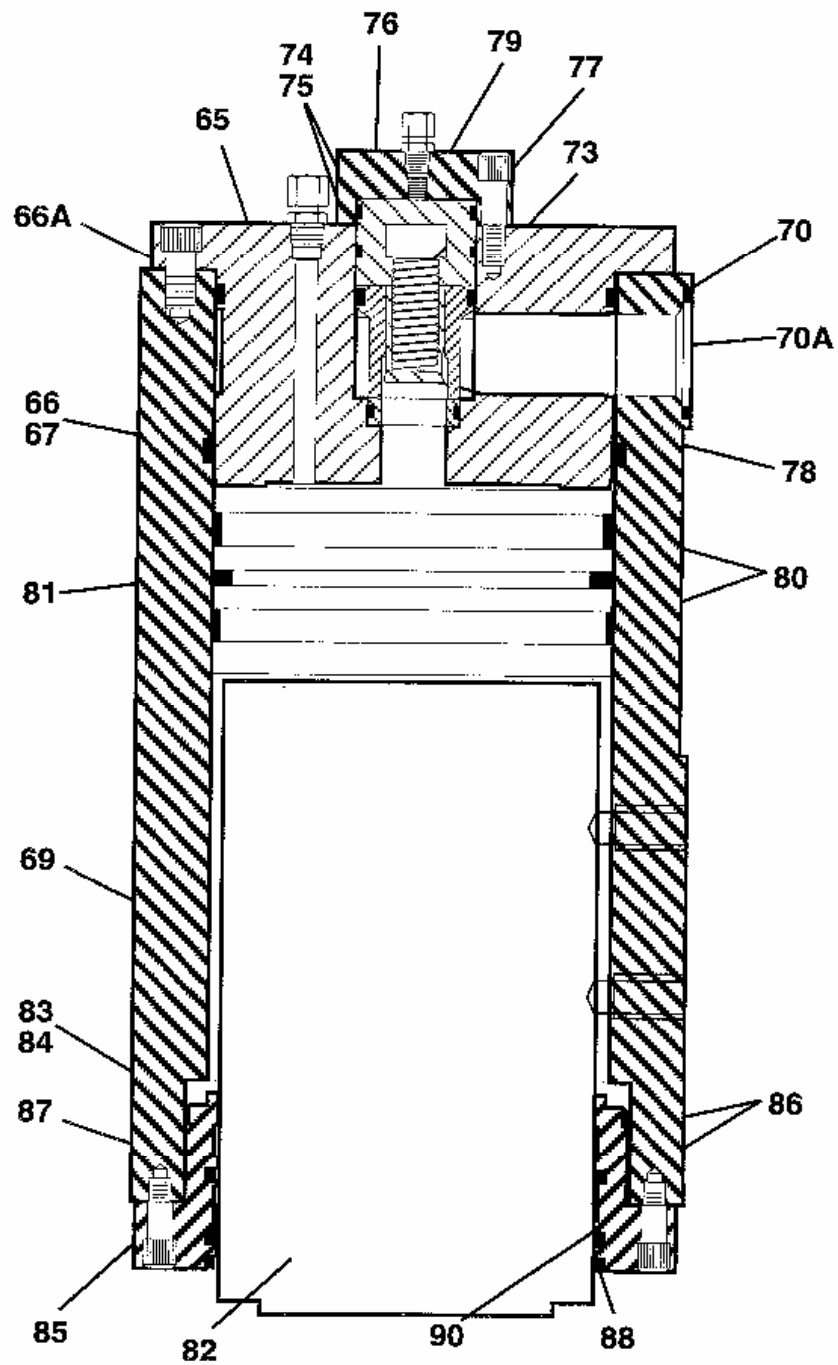


ITEM NO.	DESCRIPTION	FAB 60-72	FAB 60-96	FAB 100-120	FAB 100-144	FAB 100-168	FAB 140-120	FAB 140-144	FAB 140-168
35	Bearing, Roller	3107-214	3107-214	3107-214	3107-214	3107-214	3107-214	3107-214	3107-214
36	Shaft, Cam Follower	7437-006	7437-006	7437-006	7437-006	7437-006	7437-006	7437-006	7437-006
37	Screw, Soc. Hd. Cap	3303-115	3303-115	3303-115	3303-115	3303-115	3303-115	3303-115	3303-115
38	Washer, Lock	3327-007	3327-007	3327-007	3327-007	3327-007	3327-007	3327-007	3327-007
39	Block, Roller Mtg.	7437-007	7437-007	7437-007	7437-007	7437-007	7437-007	7437-007	7437-007
40	Bracket, Ram	7037-031	7037-031	7037-029	7037-029	7037-029	7037-029	7037-029	7037-029
41	Screw, Sq. Hd. Set	3310-036	3310-036	3310-036	3310-036	3310-036	3310-036	3310-036	3310-036
42	Way, Ram	7437-004	7437-004	7437-158	7437-158	7437-158	7437-158	7437-158	7437-158
43	Gib, Ram Front	7437-017	7437-017	7437-155	7437-155	7437-155	7437-155	7437-155	7437-155
44	Gib, Ram Rear	7437-018	7437-018	7437-156	7437-156	7437-156	7437-156	7437-156	7437-156
45	Block, Upper Gib	7437-444	7437-444	7437-460	7437-460	7437-460	7437-460	7437-460	7437-460

ITEM NO.	DESCRIPTION	FAB 180-120	FAB 180-144	FAB 180-168	FAB 250-144	FAB 250-168	FAB 400 Series
35	Bearing, Roller	3107-214	3107-214	3107-214	3107-214	3107-214	3107-220
36	Shaft, Cam Follower	7437-006	7437-006	7437-006	7437-006	7437-006	7489-010
37	Screw, Soc. Hd. Cap	3303-115	3303-115	3303-115	3303-115	3303-115	
38	Washer, Lock	3327-007	3327-007	3327-007	3327-007	3327-007	
39	Block, Roller Mtg.	7437-007	7437-007	7437-007	7437-007	7437-007	7489-011
40	Bracket, Ram	7037-029	7037-029	7037-029	7037-029	7037-029	7089-001
41	Screw, Sq. Hd. Set	3310-036	3310-036	3310-036	3310-036	3310-036	
42	Way, Ram	7437-158	7437-158	7437-158	7437-158	7437-158	7489-009
43	Gib, Ram Front	7437-155	7437-155	7437-155	7437-155	7437-155	7489-005
44	Gib, Ram Rear	7437-156	7437-156	7437-156	7437-156	7437-156	7489-008
45	Block, Upper Gib	7437-460	7437-460	7437-460	7437-460	7437-460	7489-002

FAB SERIES PRESS BRAKES

CYLINDER ASSEMBLY



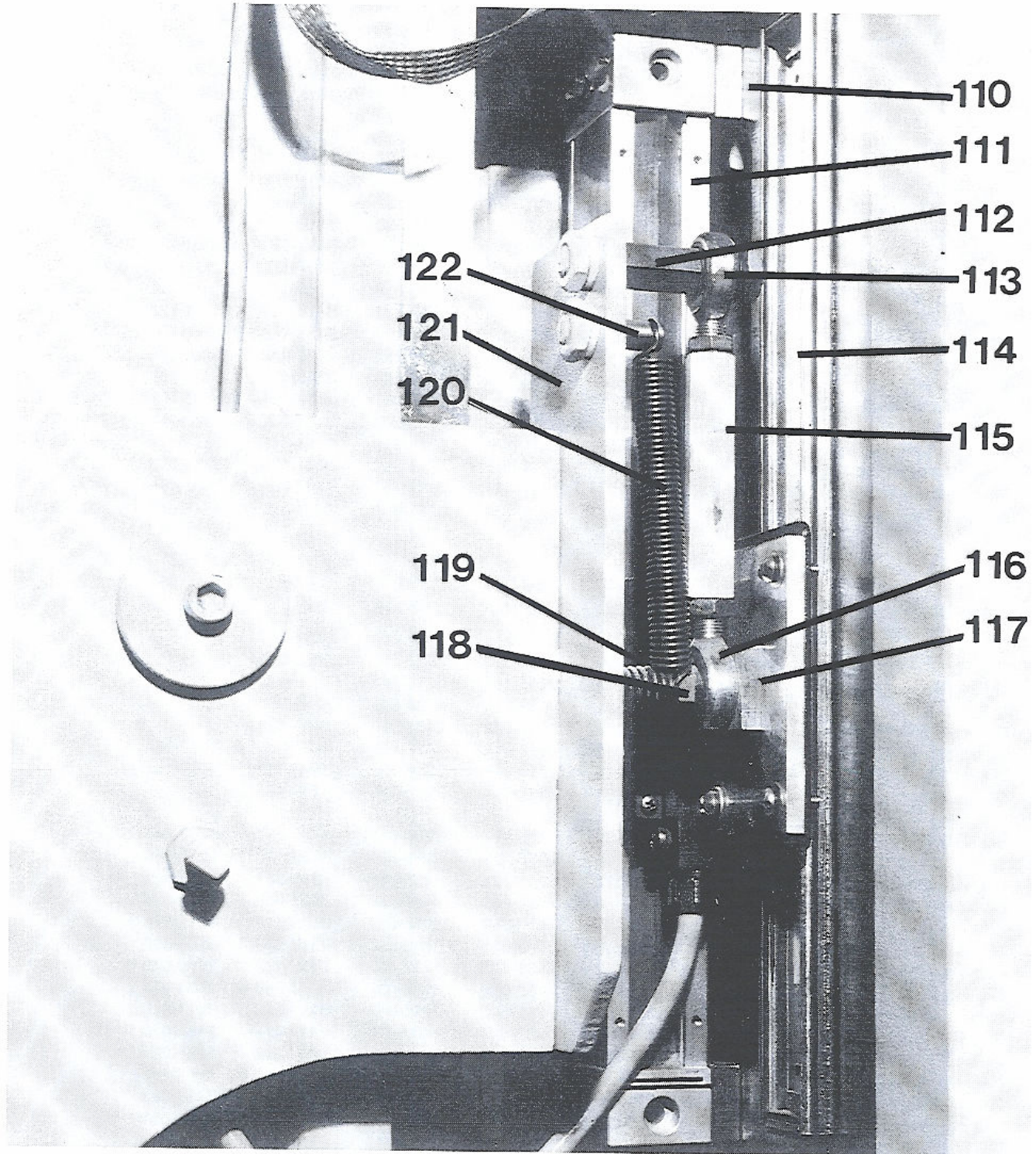
CYLINDER ASSEMBLY

ITEM NO.	DESCRIPTION	FAB 60-72	FAB 60-96	FAB 100-120	FAB 100-144	FAB 100-168	FAB 140-120	FAB 140-144	FAB 140-168
65	Cap, Cylinder Top	7437-422	7437-422	7437-666	7437-666	7437-666	7437-666	7437-666	7437-666
66A	O-Ring	3255-201	3255-201	3255-246	3255-246	3255-246	3255-246	3255-246	3255-246
66	O-Ring, Backup	3255-418	3255-418	3255-442	3255-442	3255-442	3255-442	3255-442	3255-442
67	O-Ring	3255-199	3255-199	3255-248	3255-248	3255-248	3255-248	3255-248	3255-248
68	Cover, R.H. Cylinder	7437-472	7437-472	7437-454	7437-454	7437-454	7437-454	7437-454	7437-454
69	Housing, Cylinder	7437-421	7437-421	7437-665	7437-665	7437-665	7437-665	7437-665	7437-665
70	O-Ring	3255-177	3255-177	3255-182	3255-182	3255-182	3255-182	3255-182	3255-182
70A	O-Ring, Bolt			3255-104	3255-104	3255-104	3255-104	3255-104	3255-104
73	Valve, Cart.	3760-040	3760-040	3760-017	3760-017	3760-017	3760-017	3760-017	3760-017
74	O-Ring	3255-112	3255-112	3255-121	3255-121	3255-121	3255-121	3255-121	3255-121
75	Back-Up, O-Ring	3255-420	3255-420	3255-322	3255-322	3255-322	3255-322	3255-322	3255-322
76	Retainer, Fill Valve Spring	7437-433	7437-433	7437-437	7437-437	7437-437	7437-437	7437-437	7437-437
77	Spring, Valve	3510-500	3510-500	3510-510	3510-510	3510-510	3510-510	3510-510	3510-510
78	Screw	3303-630	3303-630	3303-633	3303-633	3303-633	3303-633	3303-633	3303-633
79	Cap, Fill Valve	7437-427	7437-427	7437-432	7437-432	7437-432	7437-432	7437-432	7437-432
80	Bearing, Piston	3188-006	3188-006	3188-017	3188-017	3188-017	3188-017	3188-017	3188-017
81	Seal, Glyd. Ring Piston	3211-821	3211-821	3211-832	3211-832	3211-832	3211-832	3211-832	3211-832
82	Rod, Cylinder Piston	7437-385	7437-385	7437-436	7437-436	7437-436	7437-436	7437-536	7437-436
83	O-Ring	3255-210	3255-210	3255-235	3255-235	3255-235	3255-235	3255-235	3255-235
84	Back-Up, O-Ring	3255-429	3255-429	3255-435	3255-435	3255-435	3255-435	3255-435	3255-435
85	Cap, Cylinder Rod	7437-275	7437-275	7437-667	7437-667	7437-667	7437-667	7437-667	7437-667
86	Bearing, Rod	3188-006	3188-006	3188-009	3188-009	3188-009	3188-009	3188-009	3188-009
87	Stepseal, Cylinder Rod	3211-818	3211-818	3211-819	3211-819	3211-819	3211-819	3211-819	3211-819
88	Wiper, Cylinder Rod	3211-692	3211-692	3211-803	3211-803	3211-803	3211-803	3211-803	3211-803
89	Stud, Cylinder To Ram	7437-013	7437-013	7437-154	7437-154	7437-154	7437-154	7437-154	7437-154
90	Poly Pack, Rod Seal	3211-802	3211-802	3211-803	3211-803	3211-803	3211-803	3211-803	3211-803

ITEM NO.	DESCRIPTION	FAB 180-120	FAB 180-144	FAB 180-168	FAB 250-144	FAB 250-168	FAB 400 Series
65	Cap, Cylinder Top	7442-014	7442-014	7442-014	7437-687	7437-687	
66A	O-Ring	3255-250	3255-250	3255-250	3255-252	3255-252	
66	O-Ring, Backup	3255-445	3255-445	3255-445	3255-447	3255-447	
67	O-Ring	3255-251	3255-251	3255-251	3255-254	3255-254	
68	Cover, R.H. Cylinder	7437-659	7437-659	7437-659	7437-526	7437-526	
69	Housing, Cylinder	7442-015	7442-015	7442-015	7437-689	7437-689	7489-084
70	O-Ring	3255-117	3255-117	3255-117	3255-182	3255-182	3255-184
70A	O-Ring, Bolt	3255-104	3255-104	3255-104	3255-110	3255-110	
73	Valve, Cart.	3760-017	3760-017	3760-017	3760-017	3760-017	3760-045
74	O-Ring	3255-121	3255-121	3255-121	3255-121	3255-121	3255-184
75	Back-Up, O-Ring	3255-322	3255-322	3255-322	3255-322	3255-322	3255-421
76	Retainer, Fill Valve Spring	7437-468	7437-468	7437-468	7437-468	7437-468	7489-029
77	Spring, Valve	3510-510	3510-510	3510-510	3510-510	3510-510	3510-520
78	Screw	3303-633	3303-633	3303-633	3303-633	3303-633	3306-690
79	Cap, Fill Valve	7437-432	7437-432	7437-432	7437-432	7437-432	7489-028
80	Bearing, Piston	3188-025	3188-025	3188-025	3188-032	3188-032	3188-033
81	Seal, Glyd. Ring Piston	3211-840	3211-840	3211-840	3211-844	3211-844	3211-845
82	Rod, Cylinder Piston	7437-384	7437-384	7437-384	7437-479	7437-479	7489-020
83	O-Ring	3255-252	3255-252	3255-252	3255-255	3255-255	3255-229
84	Back-Up, O-Ring	3255-446	3255-446	3255-446	3255-448	3255-448	3255-437
85	Cap, Cylinder Rod	7437-782	7437-782	7437-782	7437-688	7437-688	7489-021
86	Bearing, Rod	3188-027	3188-027	3188-027	3188-028	3188-028	3188-031
87	Stepseal, Cylinder Rod	3211-829	3211-829	3211-829	3211-841	3211-841	3211-843
88	Wiper, Cylinder Rod	3211-830	3211-830	3211-830	3211-721	3211-721	3211-723
89	Stud, Cylinder To Ram	7437-201	7437-201	7437-201	7437-201	7437-201	
90	Poly Pack, Rod Seal	3211-829	3211-829	3211-829	3211-837	3211-837	3211-842

FAB SERIES PRESS BRAKES

LINEAR ENCODER



FAB SERIES LINEAR ENCODERS

ITEM NO.	DESCRIPTION	FAB 60-72	FAB 60-96	FAB 100-120	FAB 100-144	FAB 100-168	FAB 140-120	FAB 140-144	FAB 140-168
110	Spacer, LH Scale Unit Spacer, RH Scale Unit								
110A	Pad, Scale Mounting								
111	Encoder, Linear	3900-170	3900-170	3900-100	3900-100	3900-100	3900-100	3900-100	3900-100
112	Stud, Rod End - Upper	7437-359	7437-359	7437-349	7437-349	7437-349	7437-349	7437-349	7437-349
113	Rod End, RH Thd.	3132-254	3132-254	3132-254	3132-254	3132-254	3132-254	3132-254	3132-254
114	Bearing, Slide Packunit	3162-010	3162-010	3162-099	3162-099	3162-099	3162-099	3162-099	3162-099
115	Turnbuckle	7437-350	7437-350	7437-350	7437-350	7437-350	7437-350	7437-350	7437-350
116	Rod End, LH Thd.	3132-255	3132-255	3132-255	3132-255	3132-255	3132-255	3132-255	3132-255
117	Plate, Scanning Head Mtg.	7437-343	7437-343	7437-524	7437-524	7437-524	7437-524	7437-524	7437-524
118	Stud, Spring - Lower	7437-348	7437-348	7437-529	7437-529	7437-529	7437-529	7437-529	7437-529
119	Spring, Compression	3504-097	3504-097	3504-103	3504-103	3504-103	3504-103	3504-103	3504-103
120	Spring, Extension	3506-151	3506-151	3506-151	3506-151	3506-151	3506-151	3506-151	3506-151
121	Plate, Encoder Linkage	7437-353	7437-353						
122	Stud, Spring Mtg.	7437-358	7437-358	7437-347	7437-347	7437-347	7437-347	7437-347	7437-347

ITEM NO.	DESCRIPTION	FAB 180-120	FAB 180-144	FAB 180-168	FAB 250-144	FAB 250-168	FAB 400 Series
110	Spacer, LH Scale Unit Spacer, RH Scale Unit				7437-545 7437-545	7437-545 7437-545	7437-545 7437-545
110A	Pad, Scale Mounting				7437-523	7437-523	7437-523
111	Encoder, Linear	3900-100	3900-100	3900-100	3900-270	3900-270	3900-270
112	Stud, Rod End - Upper	7437-349	7437-349	7437-349	7437-349	7437-349	7437-349
113	Rod End, RH Thd.	3132-254	3132-254	3132-254	3132-254	3132-254	3132-254
114	Bearing, Slide Packunit	3162-099	3162-099	3162-099	3162-101	3162-101	3162-101
115	Turnbuckle	7437-350	7437-350	7437-350	7437-350	7437-350	7437-350
116	Rod End, LH Thd.	3132-255	3132-255	3132-255	3132-255	3132-255	3132-255
117	Plate, Scanning Head Mtg.	7437-524	7437-524	7437-524	7437-524	7437-524	7437-524
118	Stud, Spring - Lower	7437-529	7437-529	7437-529	7437-529	7437-529	7437-529
119	Spring, Compression	3504-103	3504-103	3504-103			
120	Spring, Extension	3506-151	3506-151	3506-151	3506-151	3506-151	3506-151
121	Plate, Encoder Linkage						
122	Stud, Spring Mtg.	7437-347	7437-347	7437-347	7437-347	7437-347	7437-347