FABCO TRANSFER CASE
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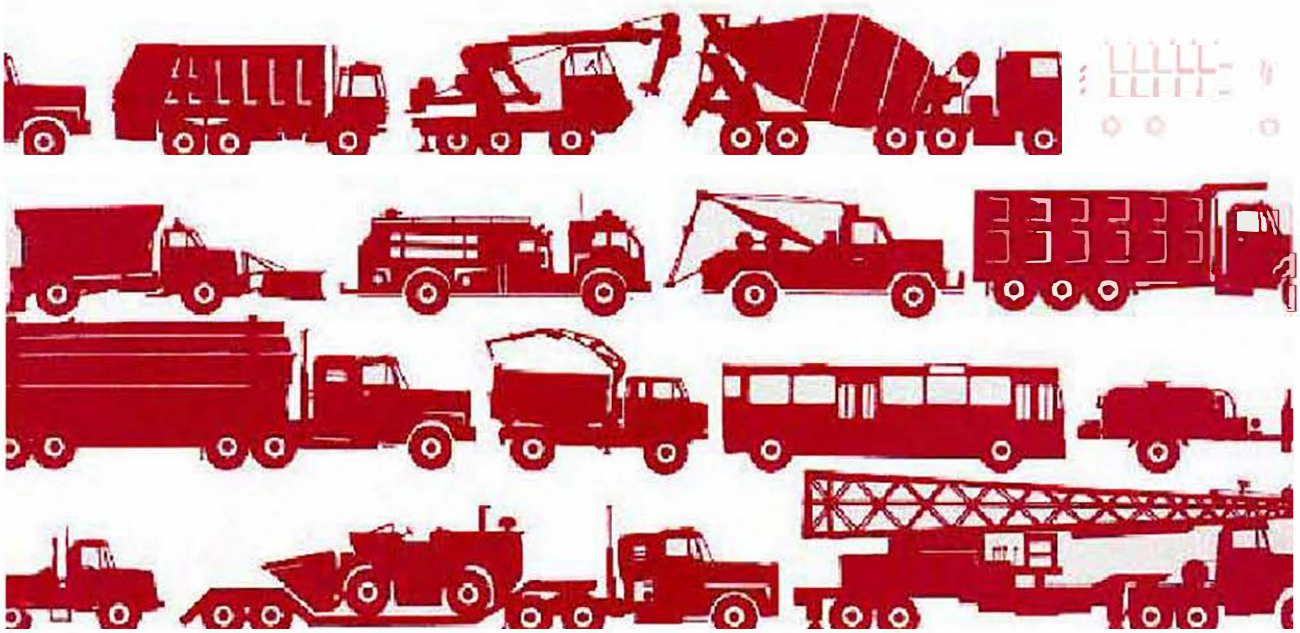
Pro Gear AND TRANSMISSION
FabcoTransferCase.com | 877.776.4600 | 407.872.1901 | parts@eprogear.com

FABCO TC-35 TRANSFER CASE PARTS MANUAL

Fabco AUTOMOTIVE CORPORATION



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VIII. PARTS MANUAL

TC-35

PARTS MANUAL INDEX

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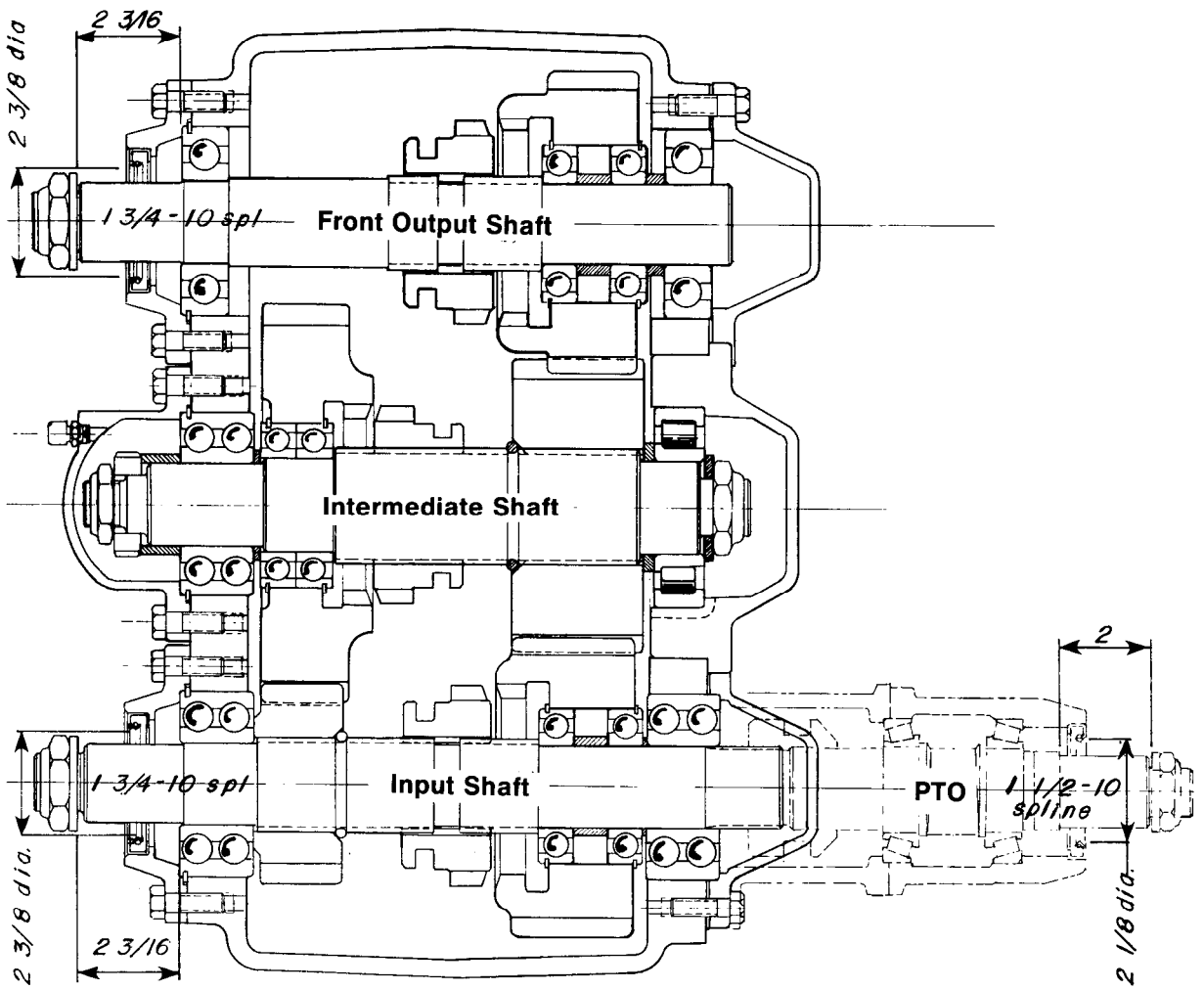
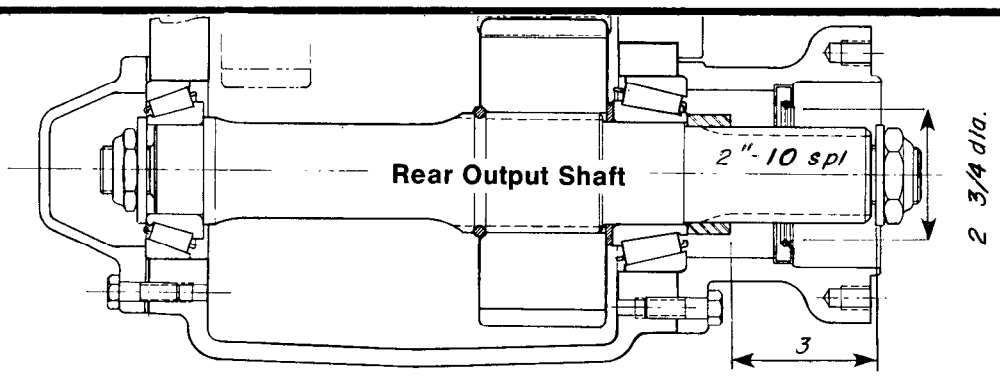
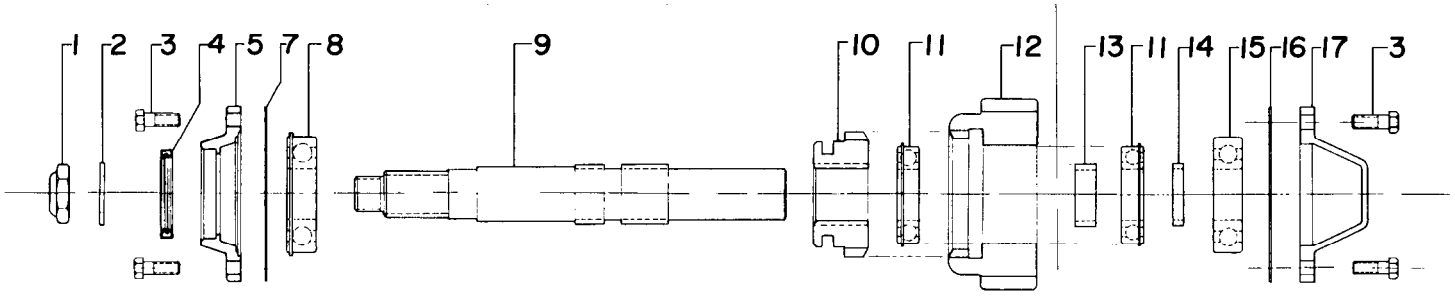
TC-35
Shafts, Gears, Bearings, Spacers, Seals
Carriers and Caps





FRONT OUTPUT SHAFT



ITEM	PART NO.	DESCRIPTION	QUANTITY
1	688 633	Nut, 1¼-18 Nylon Lock	1
2	927 775 004	Washer, $1^{5}/_{16}$-10 I.D.	1
3	265 238	Capscrew, $^{7}/_{16}$-14 x 1¼	12
4	732 246	Seal	1
5	237 435	Carrier, Oil Seal	1
7	427 339	Gasket	1
8	232 252	Bearing	1
9	769 277	Shaft, Front Output	1
10	432 236	Clutch	1

ITEM	PART NO.	DESCRIPTION	QUANTITY
11	232 234	Bearing	2
12	432 237	Gear	1
13	736 235	Spacer Ring	1
14	736 948	Spacer Ring	1
15	232 229	Bearing	1
16	7441322	Shim, Coral .031	A/R
	7442322	Shim, Pink .016	A/R
	7443322	Shim, Blue .005	A/R
17	235 484	Cover, Fos Rear, Ros Front	1

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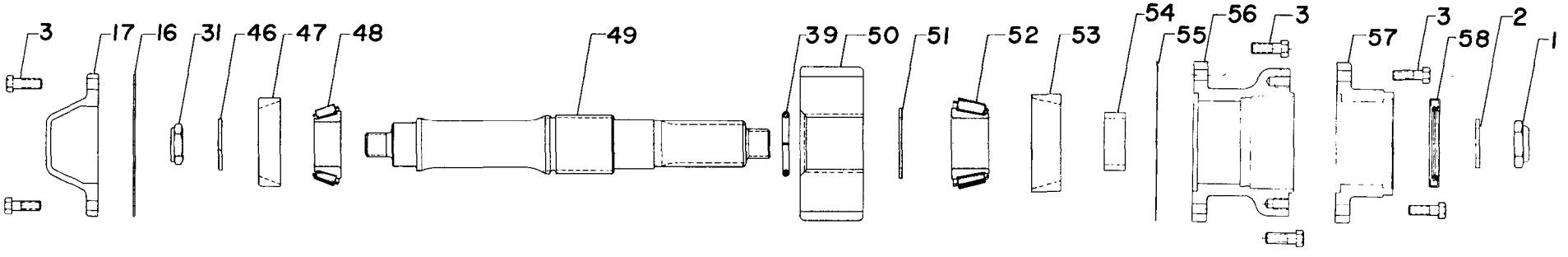

PM4

ITEM	PART NO.	DESCRIPTION	QUANTITY
1	688 633	Nut, 1¼-18 Nylon Lock	1
2	927 775 004	Washer, $1^{5}/_{16}$-10 I.D.	1
3	265 238	Capscrew, $^{7}/_{16}$-14 x 1¼	12
			12
16	7441322	Shim, Coral .031	A/R
	7442322	Shim, Pink .016	A/R
	7443322	Shim, Blue .005	A/R
17	235 484	Cover, Ros Front	1
31	688 634	Nut, 1-20 Nylon Lock	1
39	762 292	Ring, Split	1
46	927 775 001	Washer, $1^{1}/_{16}$ I.D.	1
47	233 456	Bearing Cup	1

ITEM	PART NO.	DESCRIPTION	QUANTITY
48	233 455	Bearing Cone	1
49	769 276	Shaft, Rear Output	1
50	432 554	Gear, Rear Output	1
51	927 758	Washer, Bearing Spacer	1
52	233 457	Bearing Cone	1
53	233 458	Bearing Cup	1
54	736 949	Ring, Spacer	1
55	427 466	Gasket, Rear Output Carrier	1
56	237 432	Carrier, Rear Output Shaft (Case w/P. Brake)	1
57	237 434	Carrier, Rear Output Shaft (Case w/o P. Brake)	1
58	732 372	Seal, Rear Output Shaft	1

REAR OUTPUT SHAFT

FABCO DIV. KELSEY HAYES

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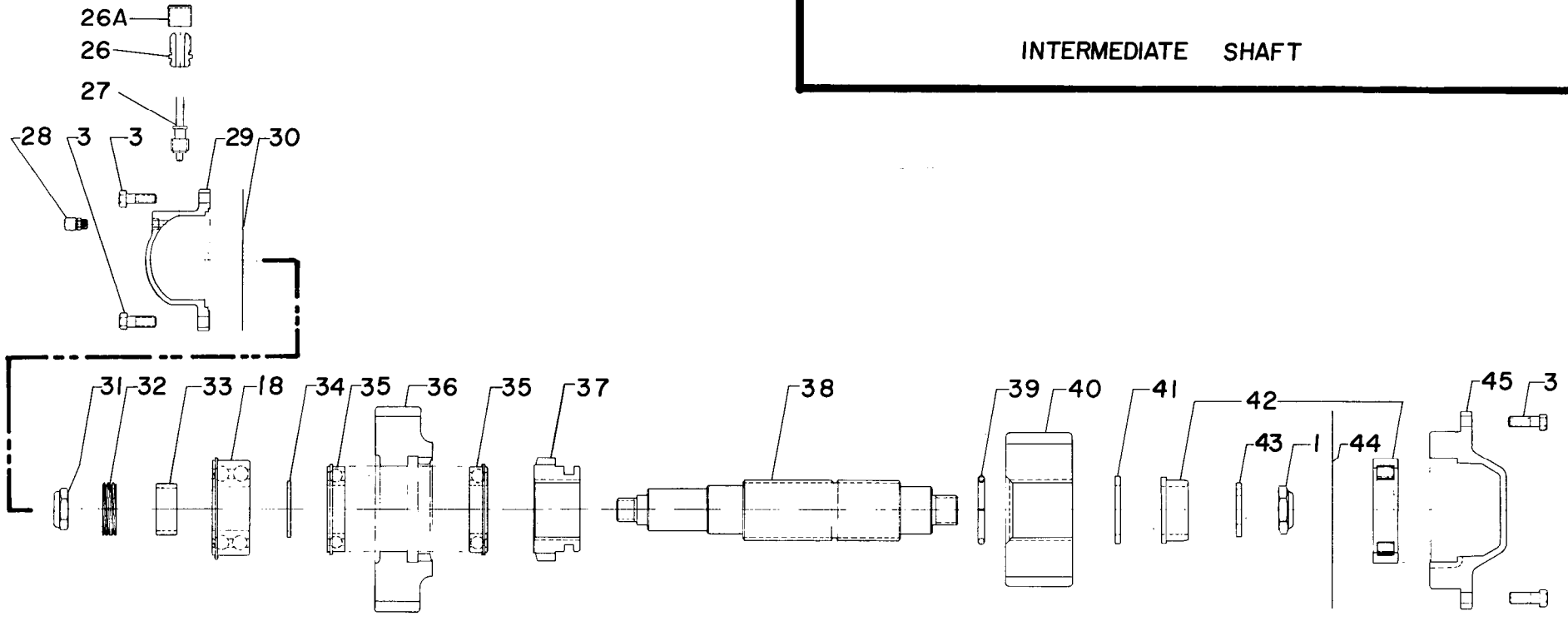
INTERMEDIATE SHAFT



ITEM	PART NO.	DESCRIPTION	QUANTITY
1	688 633	Nut, 1¼-18 Nylon Lock	1
3	265 238	Capscrew, $^{7}/_{16}$-14 x 1¼	13
26	883 473	Connector, Speedo	1
26A	235 529	Cap, Plastic	1
27	432 235	Gear, Speedo Driven	1
28	836 222	Vent	1
29	235 446	Cap, Speedo	1
30	427 338	Gasket	1
31	688 634	Nut, 1-20 Nylon Lock	1
32	432 234	Gear, Speedo Drive	1
33	736 229	Ring, Speedo Drive Gear Spacer	1
34	927 756	Washer, Brg. Spacer	1

ITEM	PART NO.	DESCRIPTION	QUANTITY
35	232 388	Bearing	2
36	432 559	Gear, Underdrive 41T	1
37	432 556	Clutch Gear, Intermediate Shaft	1
38	769 275	Shaft, Intermediate	1
39	762 292	Ring, Split	1
40	432 558	Gear, 34T	1
41	927 757	Washer, Intermediate Shaft Spacer	1
42	233 454	Bearing, Roller (Complete)	1
43	927 775 003	Washer, 1¼ ID	1
44	427 465	Gasket, Intermediate Shaft Rear	1
45	235 487	Cap, Intermediate Shaft Rear	1

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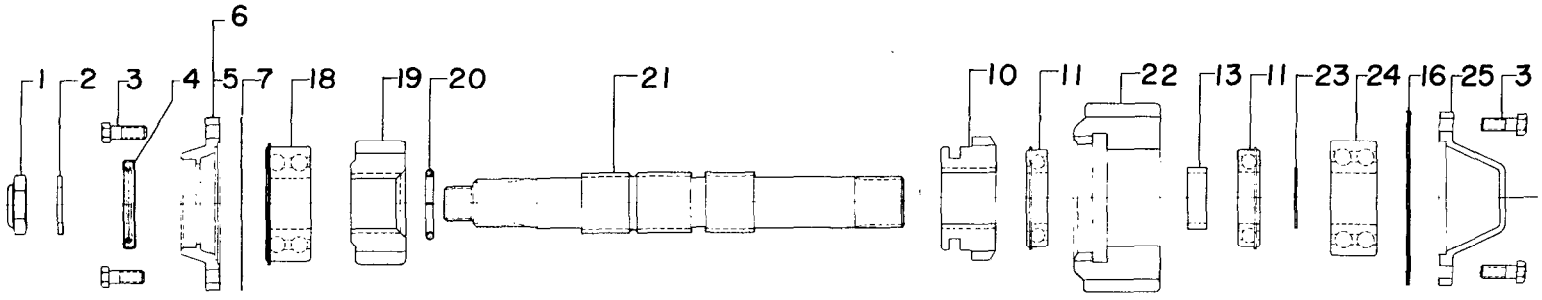

ITEM	PART NO.	DESCRIPTION		QUANTITY
1	688 633	Nut, 1¼-18 Nylon Lock		1
2	927 775 004	Washer, $1^{5}/_{16}$-10 I.D.		1
3	265 238	Capscrew, $^{7}/_{16}$-14 x 1¼	(Cases w/PTO)	10
			(Cases w/o PTO)	12
4	732 246	Seal		1
5	237 435	Carrier, Oil Seal	(Cases w/o PTO)	1
6	237 443	Carrier w/Oil Line Connection	(Cases w/PTO)	1
7	427 339	Gasket		1
10	432 236	Clutch		1
11	232 234	Bearing		2
13	736 235	Spacer Ring		1

ITEM	PART NO.	DESCRIPTION		QUANTITY
16	7441322	Shim, Coral .031		A/R
	7442322	Shim, Pink .016		A/R
	7443322	Shim, Blue .005		A/R
18	232 245	Bearing		1
19	432 478	Gear 19T		1
20	736 833	Split Ring		1
21	769 279	Shaft, Input		1
22	432 557	Gear, 35T w/Int. Clutch		1
23	927 224	Washer		1
24	232 238	Bearing		1
25	235 485	Cap, Input Shaft Rear	(w/o PTO)	1

INPUT SHAFT

PM6

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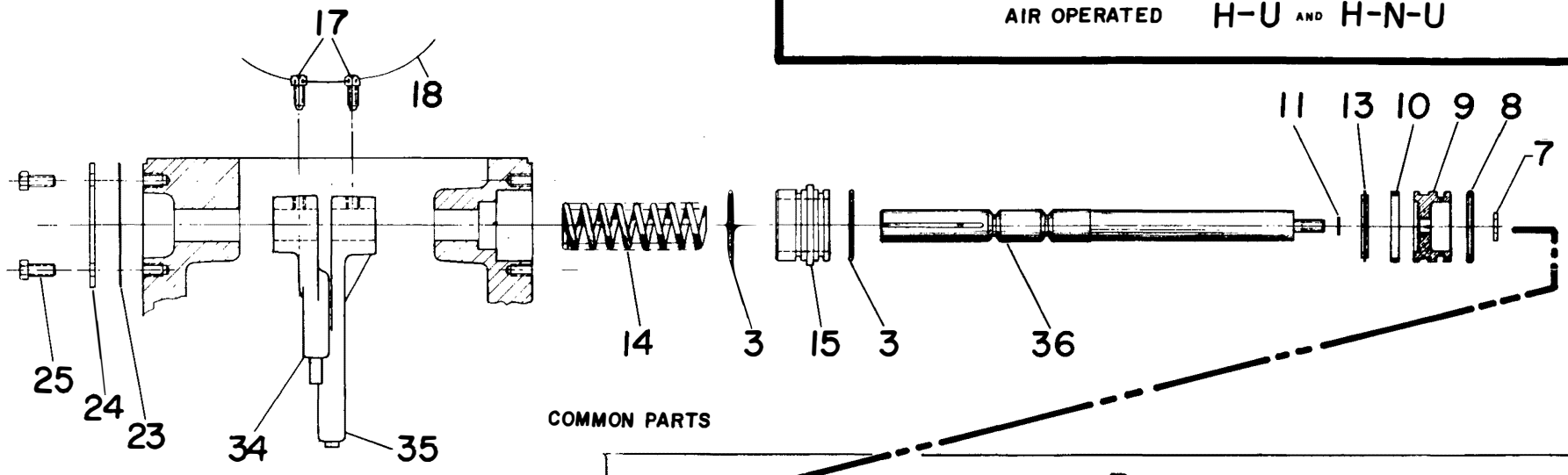
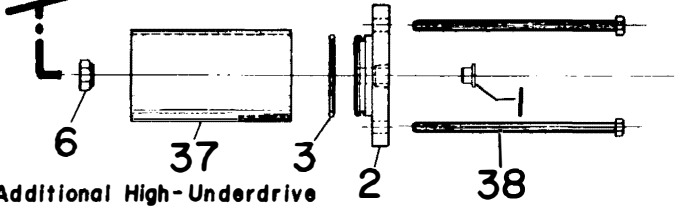
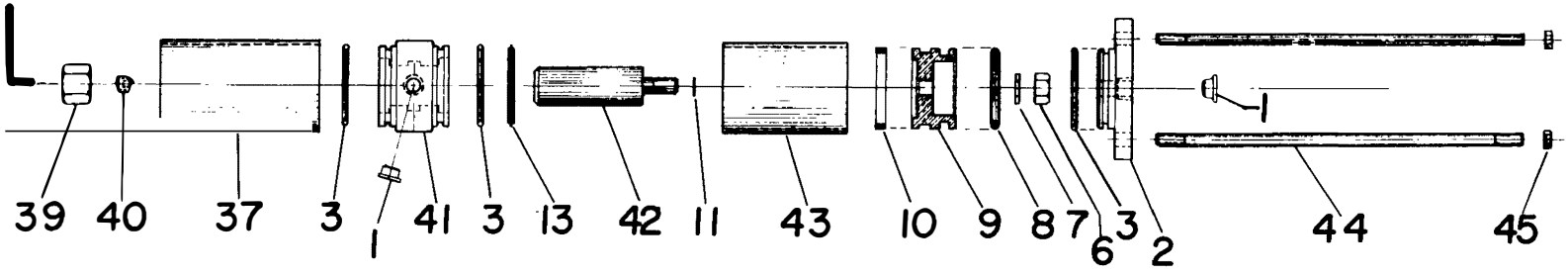
AIR OPERATED H-U AND H-N-U



COMMON PARTS



Additional High-Underdrive
PARTS USED FOR AIR SHIFT **WITHOUT NEUTRAL**



ADDITIONAL HIGH-NEUTRAL-UNDERDRIVE PARTS **WITH NEUTRAL** (Required with PTO and Air Shift)

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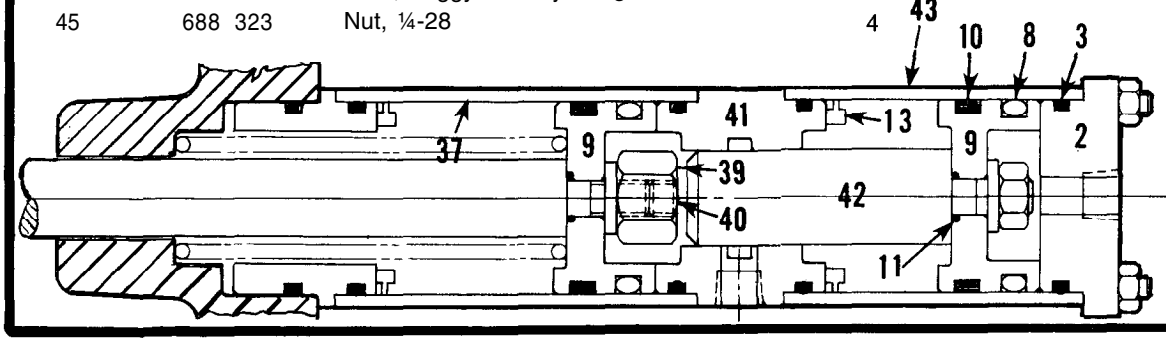
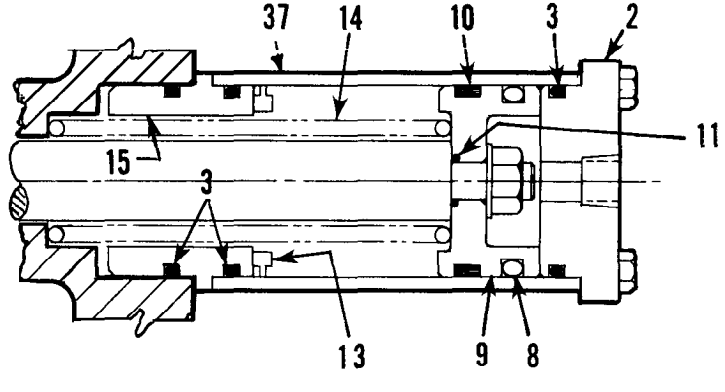
H-N-U Air Shift

ITEM	PART NO.	DESCRIPTION	QUANTITY
1	758 338	Plastic Plug	2
2	235 372	Cap, Air Shift Cyl.	1
3	675 224	O-Ring, Air Shift Cap & Adaptor	5
6	688 464	Nut, Shift Piston	1
7	927 643	Washer, Shift Piston	2
8	675 326	O-Ring, Shift Piston	2
9	753 232	Piston, Shift	2
10	339 223	Felt Ring, Shift Piston	2
11	782 288	O-Ring, Shift Shaft	2
13	736 747	Ring, Nylon Bump	2
14	777 485	Spring, Air Shift Return	1
15	883 479	Adaptor, Air Shift Cyl.	1
17	724 222	Set Screw	2
18	947 223	Lockwire	2
23	427 399	Gasket, Shift Shaft Cap	1
24	235 372	Cap, Shift Shaft	1
25	265 343	Capscrew, ¼-20 x ½	4
34	367 259	Fork, Direct Drive Shift	1
35	367 268	Fork, Under Drive Shift	1
36	742 877	Shaft, H-N-U Air Shift	1
37	883 887 003	Tube, Shift cyl.	1
39	688 643	Nut, Special	1
40	724 582	Set Screw, ⅜-24 x ¼ Allan Head	1
41	883 893	Adaptor, Piggyback Cyl.	1
42	769 286	Shaft, Piggyback Cyl.	1
43	883 887 007	Tube, Piggyback Cyl. & PTO Cyl.	1
44	788 546 006	Stud, Piggyback Cyl. Mtg.	4
45	688 323	Nut, ¼-28	4



H-U Air Shift

ITEM	PART NO.	DESCRIPTION	QUANTITY
1	758 338	Plastic Plug	1
2	235 372	Cap, Air Shift Cyl.	1
3	675 224	O-Ring, Air Shift Cap & Adaptor	3
6	688 464	Nut, Shift Piston	1
7	927 643	Washer, Shift Piston	1
8	675 326	O-Ring, Shift Piston	1
9	753 232	Piston, Shift	1
10	339 223	Felt Ring, Shift Piston	1
11	782 288	O-Ring, Shift Shaft	1
13	736 747	Ring, Nylon Bump	1
14	777 485	Spring, Air Shift Return	1
15	883 479	Adaptor, Air Shift Cyl.	1
17	724 222	Set Screw	2
18	947 223	Lockwire	2
23	427 399	Gasket, Shift Shaft Cap	1
24	235 372	Cap, Shift Shaft	1
25	265 343	Capscrew ¼-20 x ½	4
34	367 259	Fork, Direct Drive Shift	1
35	367 268	Fork, Under Drive Shift	1
36	742 877	Shaft H-N-U Air Shift	1
37	883 887 003	Tube, Shift Cyl.	1
38	265 982	Capscrew, Air Shift Cyl. ½-20 x 4¾	4



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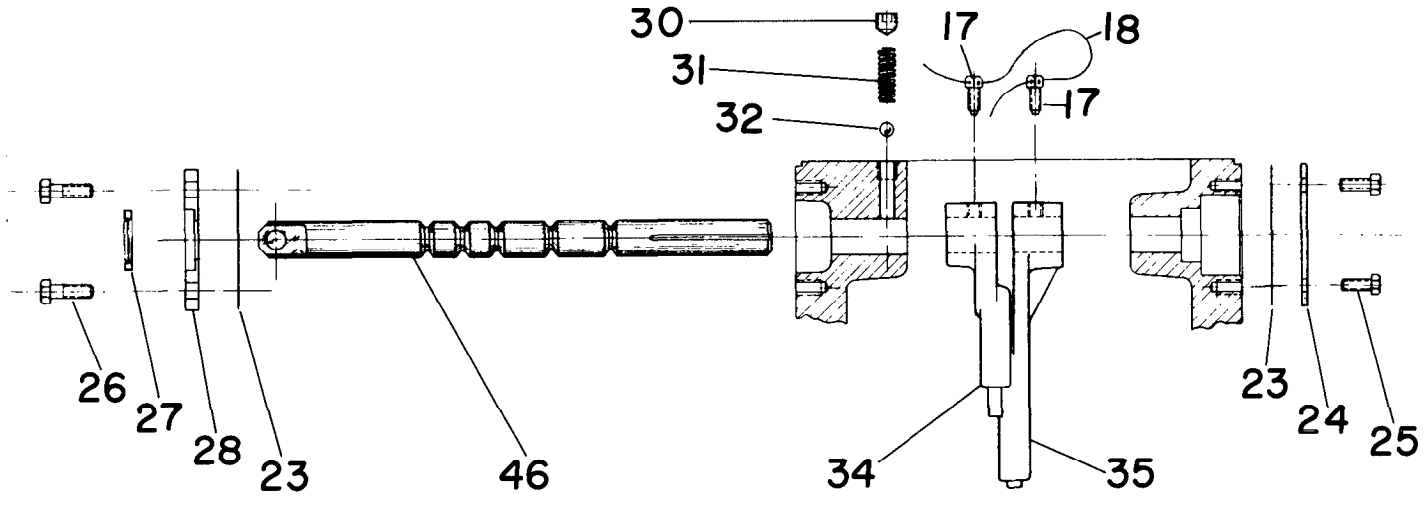
PM8

MANUAL H-N-U SHIFT



ITEM	PART NO.	DESCRIPTION	QUANTITY
17	724 222	Set Screw	2
18	947 223	Lockwire	2
23	427 399	Gasket, Shift Shaft Cap	2
24	235 372	Cap, Shift Shaft	1
25	265 343	Capscrew, ¼-20 x ½	4
26	265 366	Capscrew, ¼-20 x 1	4
27	732 357	Seal, Shift Shaft	1

ITEM	PART NO.	DESCRIPTION	QUANTITY
28	237 383	Carrier, Seal	1
30	724 585	Set Screw, Nylock	1
31	777 225	Spring, Detent	1
32	225 222	Ball, Detent	1
34	367 259	Fork, Direct Drive Shift	1
35	367 268	Fork, Under Drive Shift	1
46	742 945	Shaft, H-N-U Mechanical Shift	1

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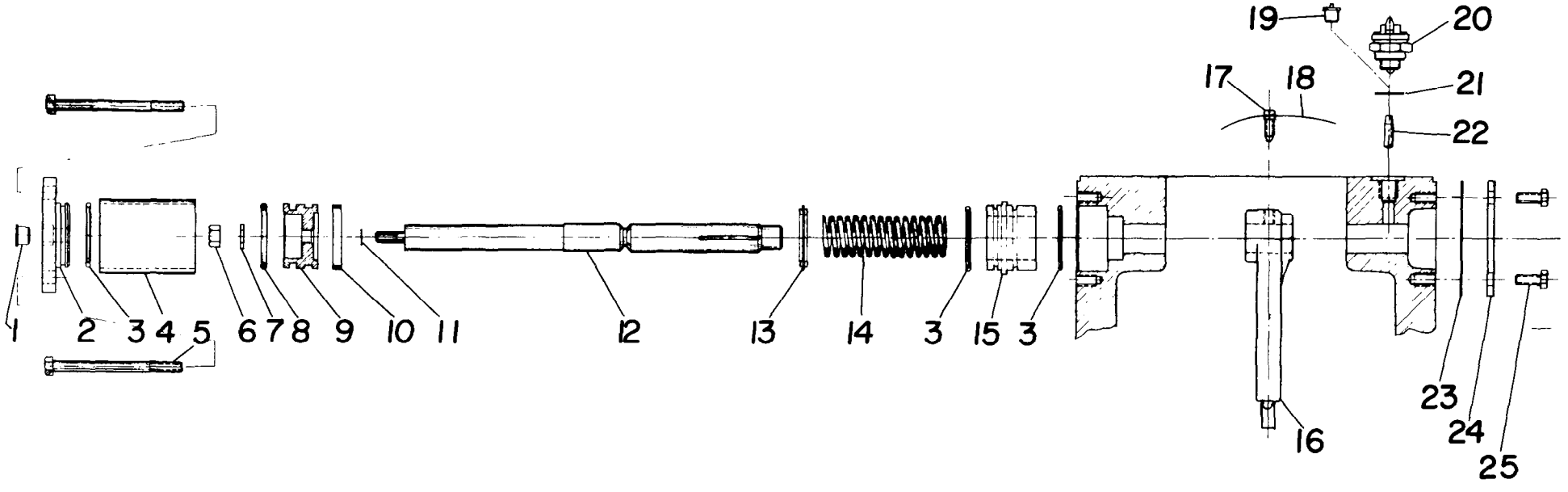


PM10

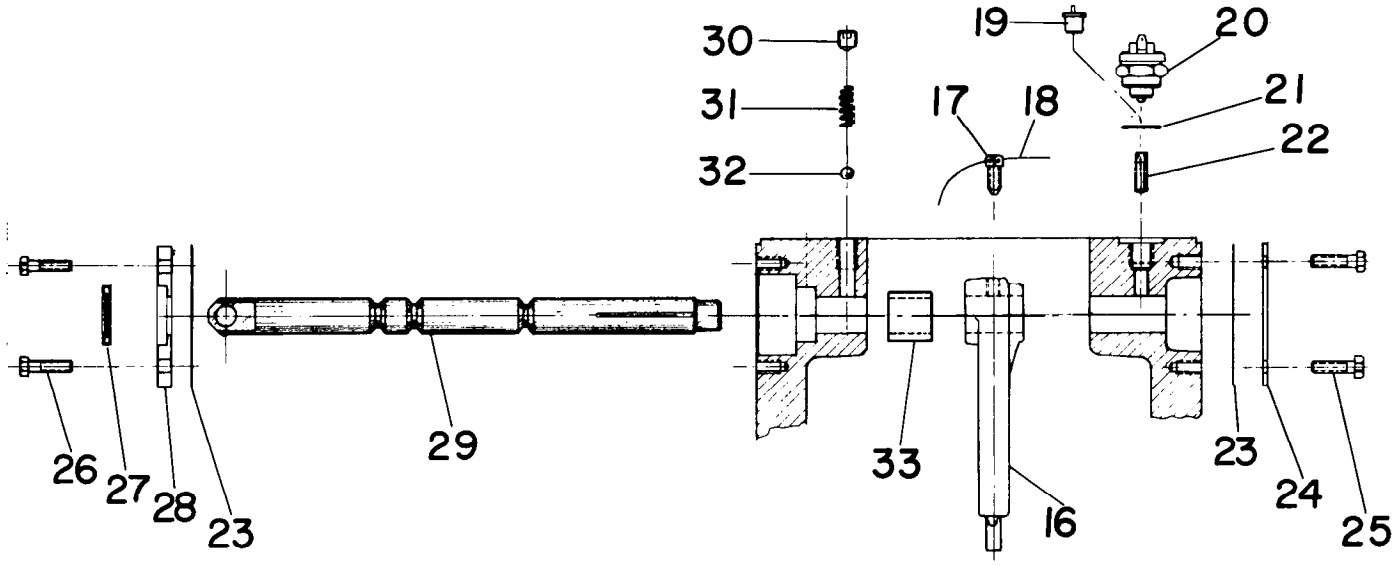
ITEM	PART NO.	DESCRIPTION	QUANTITY
1	758 338	Plastic Plug	1
2	235 372	Cap, Air Shift Cyl.	1
3	675 224	O-Ring, Air Shift Cap & Adaptor	3
4	883 887 006	Tube, Air Shift	1
5	265 892	Capscrew, Shift Cyl. Mtg.	4
6	688 464	Nut, Shift Piston	1
7	927 643	Washer, Shift Piston	1
8	675 326	O-Ring, Shift Piston	1
9	753 232	Piston, Shift	1
10	339 223	Felt Ring, Shift Piston	1
11	782 288	O-Ring, Shift Shaft	1
12	769 285	Shaft, Air Front Drive Shift	1
13	736 747	Ring, Nylon Bump	1

ITEM	PART NO.	DESCRIPTION	QUANTITY
14	777 485	Spring, Air Shift Return	1
15	883 479	Adaptor, Air Shift Cyl.	1
16	367 264	Fork, Front Drive Shift	1
17	724 222	Set Screw	1
18	947 223	Lockwire	1
19	758 364	Plastic Plug	1
20	798 245	Switch, Indicator	1
21	927 427	Washer, Copper	1
22	746 678	Dowel, Switch Operating	1
23	427 399	Gasket, Shift Shaft Cap	1
24	235 372	Cap, Shift Shaft	1
25	265 343	Capscrew, ¼-20 x ½	4

AIR OPERATED FRONT DRIVE DECLUTCH

—FABCO DIV. KELSEY HAYES—

MANUAL FRONT DRIVE DECLUTCH



ITEM	PART NO.	DESCRIPTION	QUANTITY
16	367 264	Fork, Front Drive Shift	1
17	724 222	Set Screw	1
18	947 223	Lockwire	1
19	758 364	Plastic Plug	1
20	798 245	Switch, Indicator	1
21	927 427	Washer, Copper	1
22	746 678	Dowel, Switch Operating	1
23	427 399	Gasket, Shift Shaft Cap	2
24	235 372	Cap, Shift Shaft	1

ITEM	PART NO.	DESCRIPTION	QUANTITY
25	265 343	Capscrew, ¼-20 x ½	4
26	265 366	Capscrew, ¼-20 x 1	4
27	732 357	Seal, Shift Shaft	1
28	237 383	Carrier, Seal	1
29	769 278	Shaft, Shift	1
30	724 585	Set Screw, Nylock	1
31	777 225	Spring, Detent	1
32	225 222	Ball, Detent	1
33	882 982	Tube, Front Drive Limit	1

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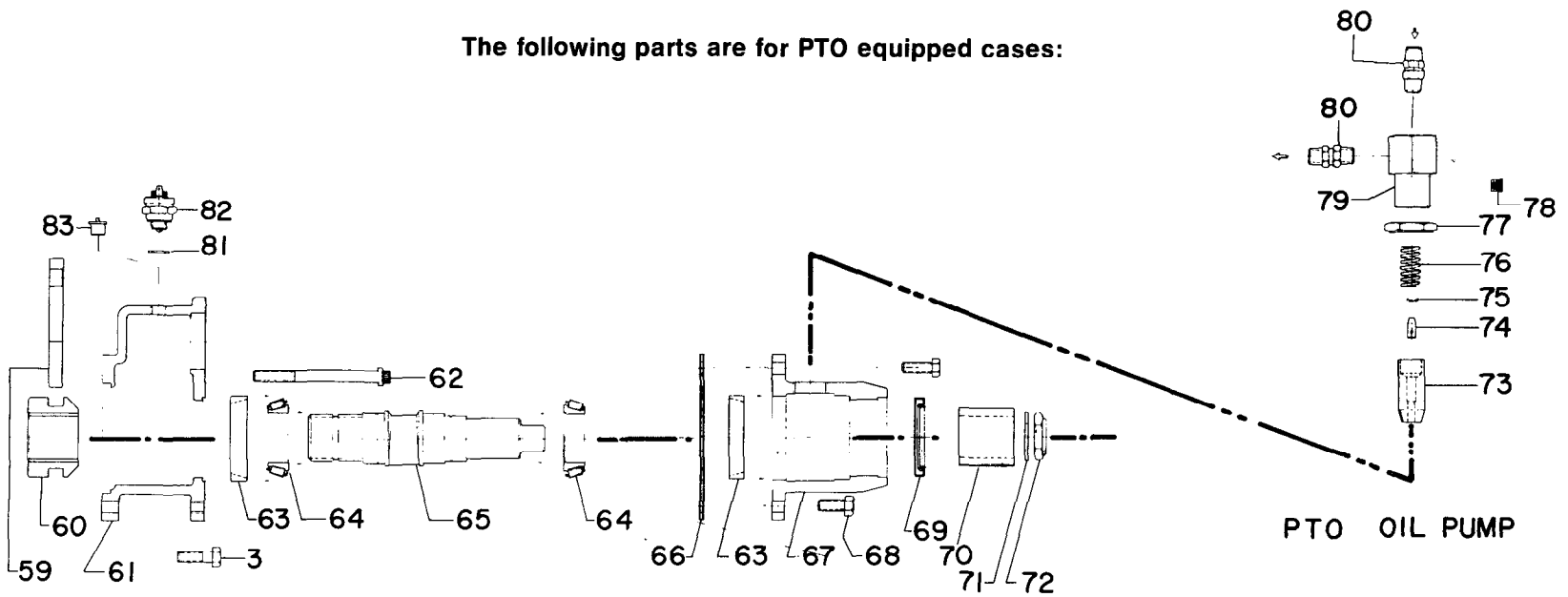
The following parts are for PTO equipped cases:



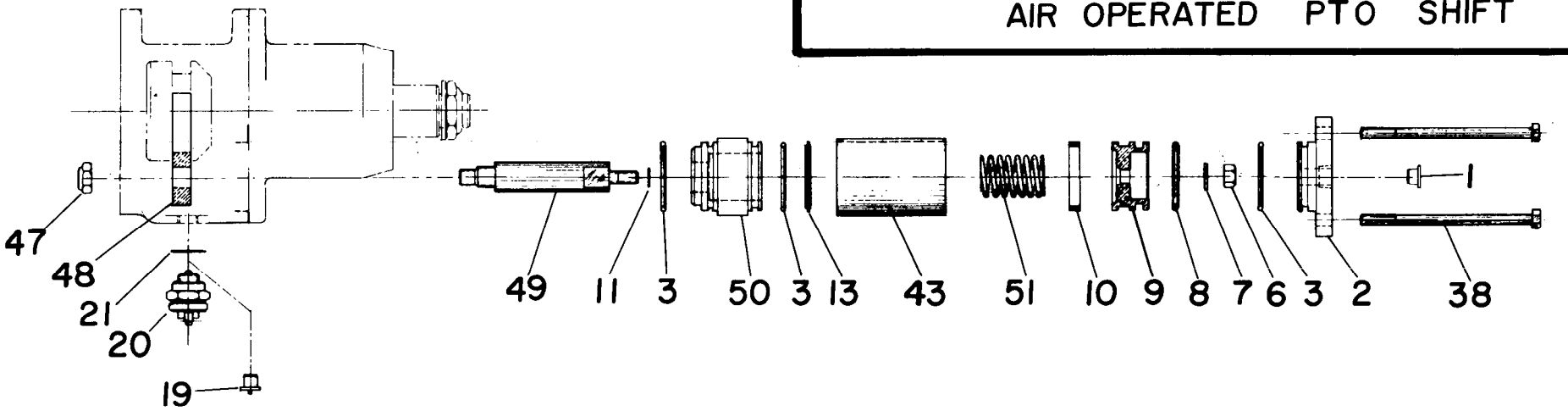
PM12

ITEM	PART NO.	DESCRIPTION	QUANTITY
59	367 267	Fork, PTO Shaft	1
60	432 552	Collar, Sliding Clutch	1
61	468 799	Housing, Main PTO	1
62	724 335	Capscrew, 7/16 x 4½ (12) Point	2
63	233 439	Bearing Cup	2
64	233 442	Bearing Cone	2
65	769 237	Shaft, PTO	1
66	7441323	.031 Coral Shim	A/R
	7442323	.016 Pink Shim	A/R
	7443323	.005 Blue Shim	A/R
67	237 425	Carrier, Bearing & Seal	1
68	265 242	Capscrew, 3/8-16 x 1	4
69	732 368	Seal, PTO Output	1
70	883 944	Tube, PTO Output (Temporary)	1
71	927 762	Washer, PTO Output Yoke	1
72	688 634	Nut, PTO Output Yoke	1

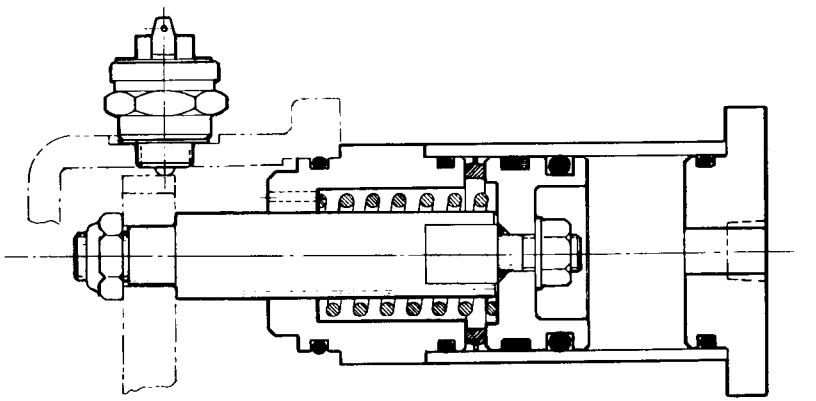
ITEM	PART NO.	DESCRIPTION	QUANTITY
73	753 244	Piston, PTO Oil Pump	1
74	825 367	Valve, PTO Piston Check	1
75	762 299	Retaining Ring, PTO Piston Check Valve	1
76	777 535	Spring, PTO Oil Pump	1
77	688 688	Nut, PTO Oil Pump Cyl. Lock & Seal	1
78	758 232	Plug, ¼ NPT PTO Oil Pump Cyl.	1
79	295 389	Cylinder, PTO Oil Pump	1
80	825 737	Valve, PTO Oil Pump In & Out Check	2
81	927 427	Washer, Copper	1
82	798 245	Switch (If Specified)	1
83	758 364	Plug, 9/16-18 Plastic	1

PTO

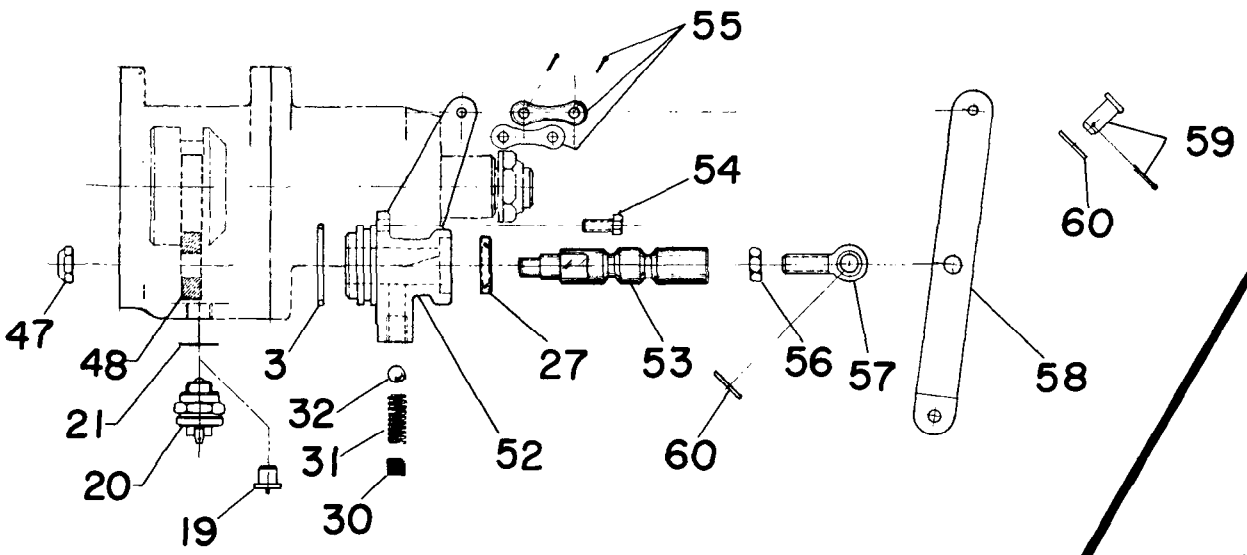
AIR OPERATED PTO SHIFT

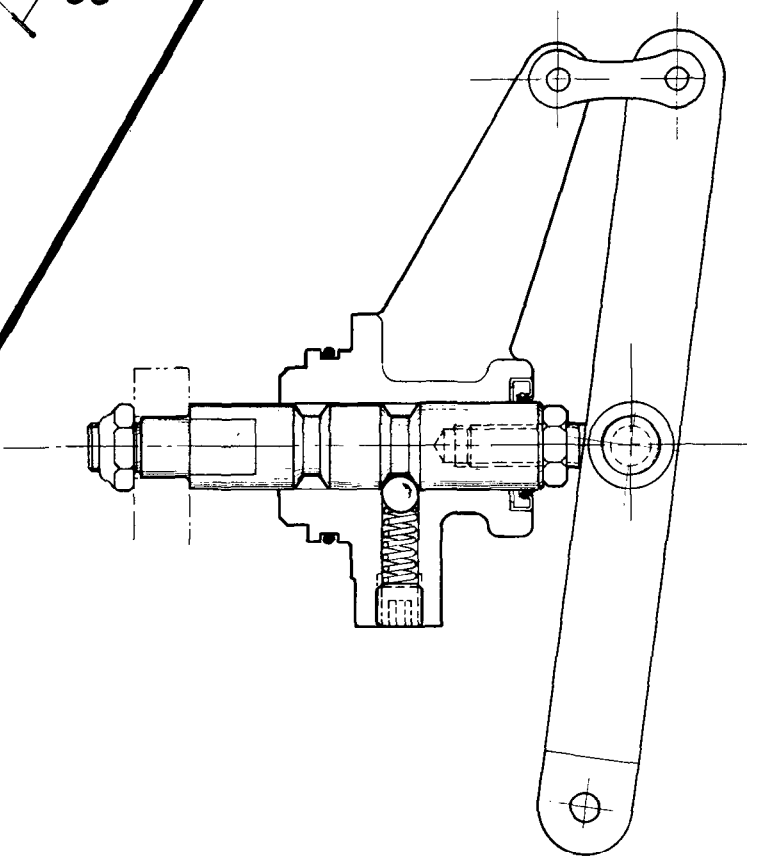


ITEM	PART NO.	DESCRIPTION	QUANTITY
1	758 338	Plastic Plug	1
2	235 372	Cap, Air Shift Cyl.	1
3	675 224	O-Ring, Air Shift Cap & Adaptor	3
6	688 464	Nut, Shift Piston	1
7	927 643	Washer, Shift Piston	1
8	675 326	O-Ring, Shift Piston	1
9	753 232	Piston, Shift	1
10	339 223	Felt Ring, Shift Piston	1
11	782 288	O-Ring, Shift Shaft	1
13	736 747	Ring, Nylon Bump	1
19	758 364	Plastic Plug	1
20	798 245	Switch, Indicator	1
21	927 427	Washer, Copper	1
38	265 982	Capscrew, Air Shift Cyl. ½-20 x 4¾	4
43	883 887 007	Tube, Piggyback Cyl. & PTO Cyl.	1
47	688 684	Nut, PTO Shift Shaft	1
48	367 267	Fork, PTO Shift	1
49	769 236	Shaft, PTO Air Shift	1
50	883 852	Adaptor, PTO Air Shift Cyl.	1
51	777 534	Spring, PTO Air Shift Cyl.	1



PM13



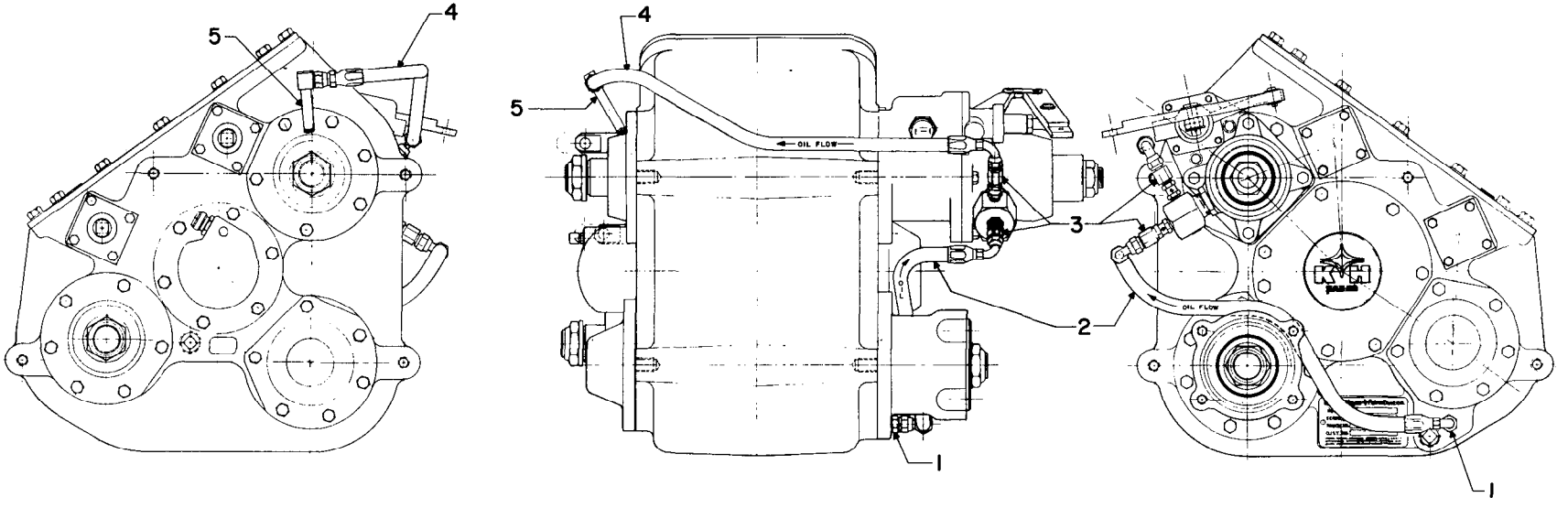


ITEM	PART NO.	DESCRIPTION	QUANTITY
3	675 224	O-Ring, Air Shift Cap & Adaptor	1
19	758 364	Plastic Ring	1
20	798 245	Switch, Indicator	1
21	927 427	Washer, Copper	1
27	732 357	Seal, Shift Shaft	1
30	724 585	Set Screw, Nylock	1
31	777 225	Spring, Detent	1
32	225 222	Ball, Detent	1
47	688 684	Nut, PTO Shift Shaft	1
48	367 267	Fork, PTO Shift	1
52	235 466	Carrier, Shift Shaft & Seal	1
53	769 238	Shaft, PTO Shift-Manual	1
54	265 386	Bolt, ¼-20 x ¾	4
55	246 289	Link, Connecting	1
56	688 237	Nut, 7/16-20 Jam	1
57	393 222	Eye Bolt	1
58	538 476	Lever, PTO Shift	1
59	746 352	Pin, Clevis w/Cotter Pin	1
60	927 347	Washer	2

MANUAL PTO SHIFT

Oil Lines & Fittings — PTO

ITEM	PART NO.	DESCRIPTION	QUANTITY
1	357 288	Fitting, ½ MP ⅜ H JIC	1
2	469 794	Hose Assembly, Suction	1
3	357 939	Fitting, ¼ FP ⅜ H JIC	2
4	469 826	Hose Assembly, Pressure	1
5	357 948	Elbow. ¼ MP ⅜ H	1



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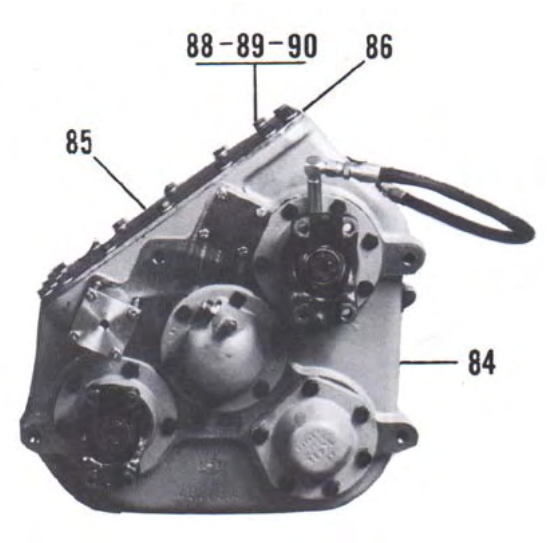

Parts not designated on the drawing.
Used on all cases — unless otherwise specified.

ITEM	PART NO.	DESCRIPTION	QUANTITY	
84	468 896	Housing, Main Case	1	
85	793 377	Cover, Main Case	1	
86	427 464	Gasket, Main Cover	1	
87	273 687	Bracket, Case Lifting	2	
88	265 239	Capscrew, Cover Mtg. $^{7}/_{16}$-14 x 1	16	
89	265 238	Capscrew, Cover Mtg. $^{7}/_{16}$-14 x 1¼	2	
90	927 749	Washer, Cover Mtg. Screw $^{7}/_{16}$ Lock	18	
91	626 228	Label, Serial Plate	1	
92	724 276	Screw, Serial Plate Mtg. Drive	2	
93	758 274	Plug, ¼ NPT Magnetic Drain	1	
94	758 229	Plug, ¾ NPT Fill	1	
95	758 293	Plug, ½ NPT Return Line Hole	1	(w/o PTO)