

**ADAMS
MODEL CD-22
MODEL CD-28
CONTINUOUS DUTY WINCH

PARTS LISTS & ASSEMBLY DRAWINGS**



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INDEX

	Page
General Arrangement.....	2
General Assembly Drawing.....	3
General Assembly Parts List.....	4
Drive & Safety Brake Assembly Drawing.....	5
Drive & Safety Brake Assembly Parts List.....	6
Final Drive Assembly Drawing.....	7
Final Drive Assembly Parts List.....	8
Clutch & Disc Brake Assembly Drawing.....	9
Clutch & Disc Brake Assembly Parts List.....	10
Band Brake Assembly Drawing.....	11
Band Brake Assembly Parts List.....	12

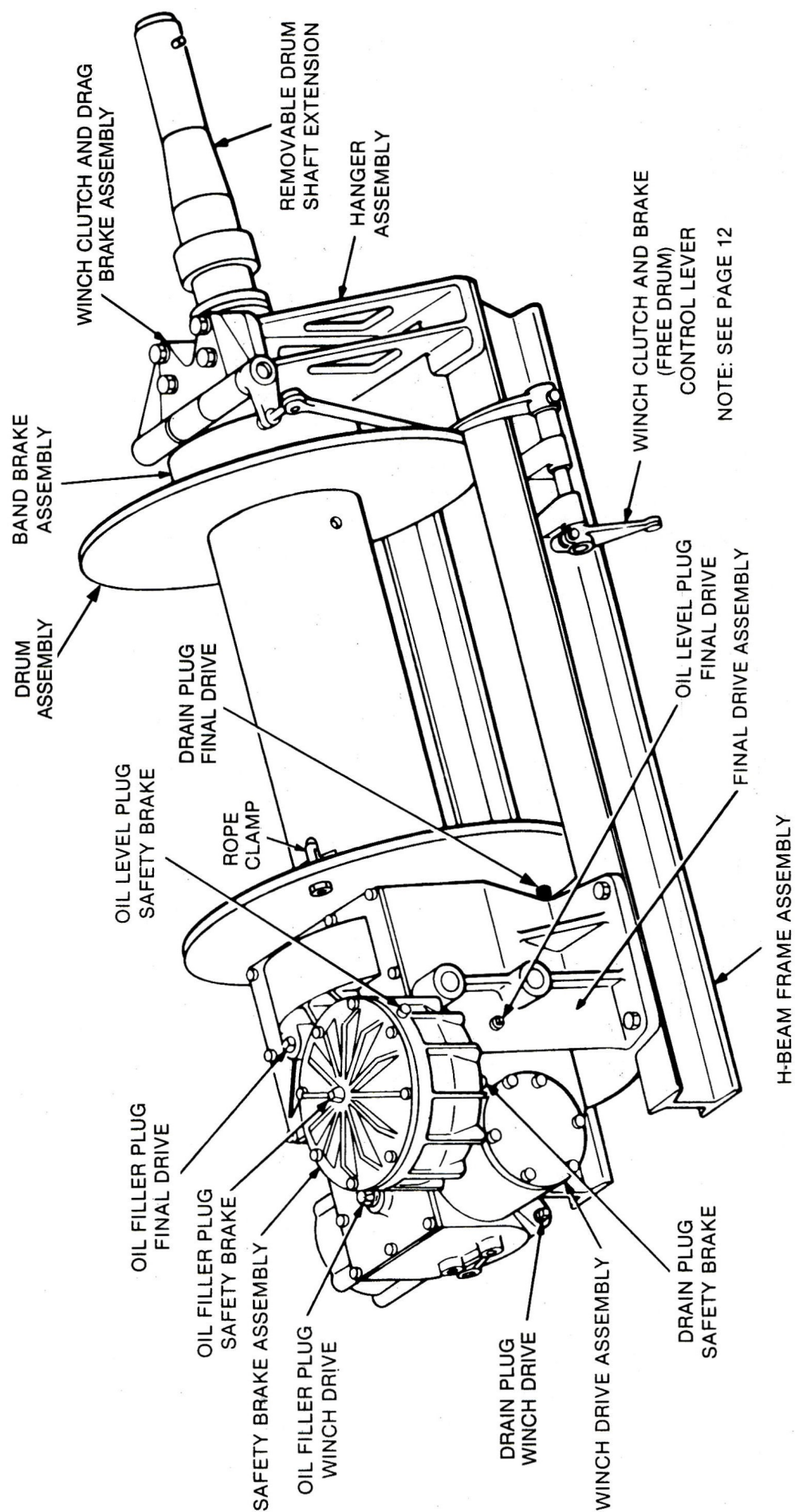


FIG.1 — ADAMS CONTINUOUS DUTY WINCH

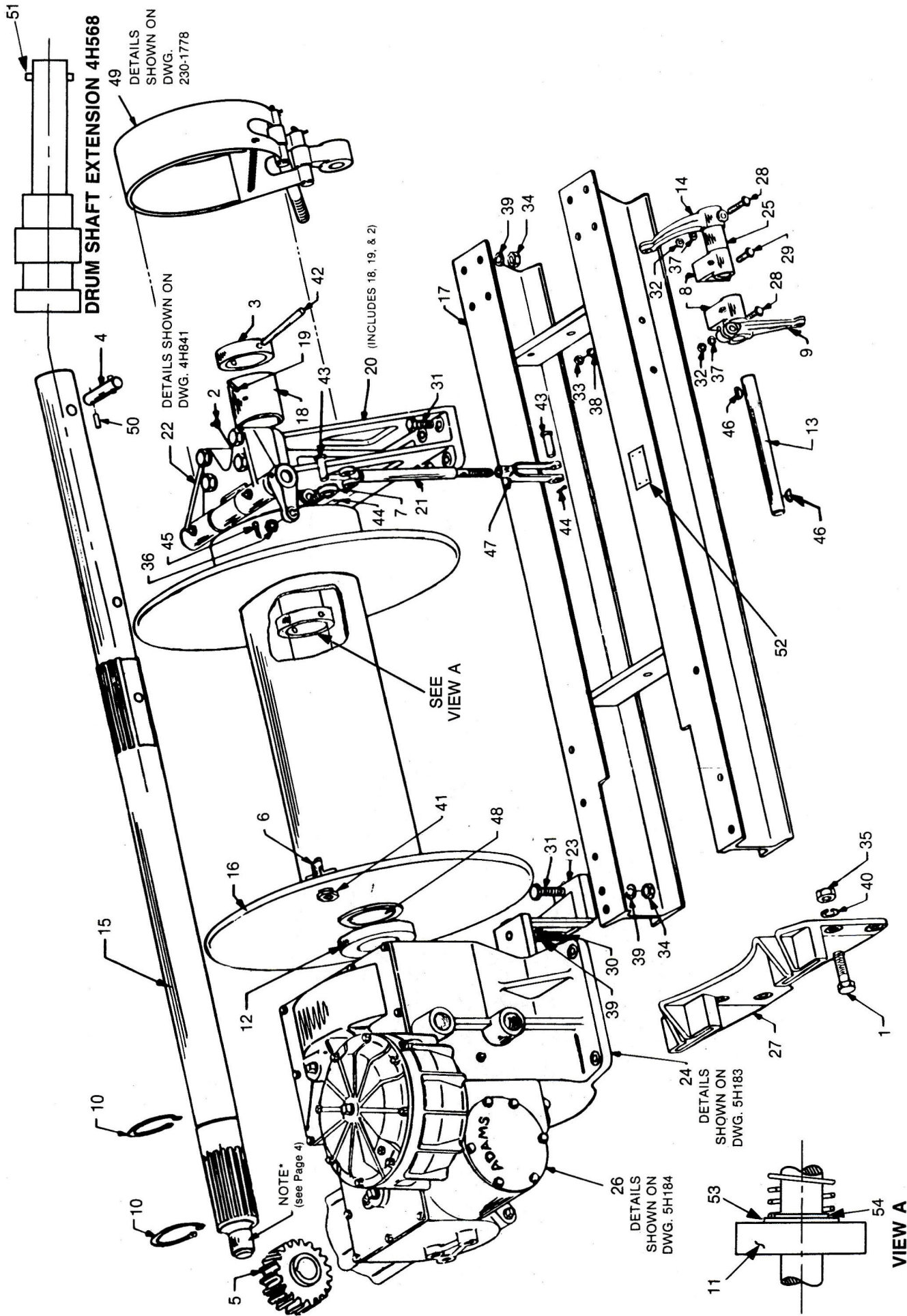


FIG. 2 — GENERAL ASSEMBLY PARTS DRAWING
MODEL CD-22 DRAWING 4H488 MODEL CD-28 DRAWING 4H489

GENERAL ASSEMBLY PARTS LIST FIG. 2

ITEM	PART NAME	PART #	QTY.	ITEM	PART NAME	PART #	QTY.
1	Bolt, Hex 5/8-18 x 2 (w/nut & lock washer)	15654	16	27	Bracket, Winch Mounting	14849	2
2	Fitting, Lube	16627	1	28	Screw, Cap 3/8-24 x 2 1/4	16701	2
3	Collar, Drum Thrust	16840	1	29	Screw, Cap 3/8-24 x 1 1/4	16702	4
4	Pin Spindle Assembly	15694	1	30	Screw, Cap 1/2-20 x 1 1/4	16967	2
5	Sprocket, Winch	14830	1	31	Screw, Cap 1/2-20 x 1 3/4	16366	15
6	Clamp, Rope	16611	1	32	Nut, 3/8-24	16703	2
7	Rod End Clutch Yoke Shaft Lever	14906	1	33	Nut, 3/8-24	16703	4
8	Bracket, Clutch Lever	15573	2	34	Nut, 1/2-20	16310	15
9	Lever, Clutch Rod	14904	1	35	Nut, 5/8-18	16705	16
10	Ring, Retaining	16599	2	36	Nut, 1/2-20 Castle	09041	1
11	Collar, Drum Thrust	14831	1	37	Washer, Lock, 3/8	16449	2
12	Washer, Thrust	14832	1	38	Washer, Lock, 3/8	16449	4
13	Shaft, Clutch Lever	14833	1	39	Washer, Lock, 1/2	09324	17
14	Lever Clutch Rod Shaft	16598	1	40	Washer, Lock, 5/8	16686	16
15†	Drum, Shaft CD-22	14835	1	41	Nut, Rope Clamp	14911	1
	Drum, Shaft CD-28	14919	1	42	Pin, Taper #7 x 4	16706	2
16	Drum, CD-22	15574	1	43	Pin, Rod End 1/2 SAE	16696	2
	Drum, CD-28	15578	1	44	Pin, Cotter 1/8 x 7/8	03618	2
17	Frame, CD-22	15565	1	45	Pin, Cotter 3/32 x 1	09008	1
	Frame, CD-28	15579	1	46	Key, Woodruff 1/4 x 7/8	16707	2
18	Bushing, Drum Shaft Hanger	16614	1	47	Rod End	16709	1
19	Pin, Roll 1/4 x 3/4	03986	1	48	Bushing, Drum	16693	2
20	Hanger Assembly	15557	1	49	Band Brake Assembly	15534	1
21	Rod Assembly, Clutch Lever	15558	1	50	Pin, Roll, 1/4 x 1 1/8	16424	2
22	Clutch & Brake Assembly	15559	1	51	Pin, Bayonet	15992	1
23	Support Assembly	15563	1	52	Nameplate	16597	1
24	Final Drive Assembly	15562	1	53	Washer, Thrust	16895	1
25	Spacer	14848	1	54	Ring, Retaining	16896	1
26	Drive and Safety Brake Assembly	15564	1	55	Lever	16615	1

† Includes Part # 16602 (Inner Race), Part # 16600 (Retaining Ring), Part # 16896 (Retaining Ring) and Part # 16895 (Washer).

DRIVE & SAFETY BRAKE PARTS LIST FIG. 3

ITEM	PART NAME	PART #	QTY.	ITEM	PART NAME	PART #	QTY.
1	Key, 5/16 Sq x 2 1/2	16633	1	38	Key	16652	1
2	Shim .031 thk	16820	A.R.	39	Key	16380	1
	Shim .062 thk	16821	A.R.	40	Key	14889	1
3	Screw, Cap 1/2-20 x 1 1/2	14873	4	41	Shim .060 thk	16653	A.R.
4	Stud	14900	2	42	Shim .030 thk	16654	A.R.
5	Plate, Pressure	14875	1	43	Shim .015 thk	16655	A.R.
6	Plate, Brake	14901	2	44	Shim .010 thk	16656	A.R.
7	bolt	14874	1	45	Screw, Cap 1/4– 28 x 3/4	16672	15
8	Washer	14872	1	46	Screw, Cap 1/4– 28 x 5/8	16851	6
9	Thimble	14871	4	47	Screw, Cap	16673	4
10	Gasket	16638	1	48	Screw, Cap	16701	4
11	Gasket	16639	1	49	Nut, 3/8-24 Hex	16703	4
12	Gasket	16640	1	50	Nut, 1/2-20 Hex	16310	2
13	Gasket	16641	A.R.	51	Nut, Lock	16667	1
14	Spacer	14878	1	52	Nut, Lock	16668	1
15	Spacer	16649	1	53	Washer, Plain 3/8	02244	4
16	Spacer	14879	1	54	Washer, Lock 1/4	03267	22
17	Sleeve	14880	1	55	Washer, Lock 3/8	16449	8
18	Gear, Spiral, Bevel	14881	1	56	Washer, Lock	16676	1
19	Gear, Spiral, Bevel	14882	1	57	Washer, Lock	16677	1
20	Sleeve & Disc Assembly	15569	1	58	Plug, Pipe 1/2 NPT	16206	2
21	Shaft, Worm	14885	1	59	Plug, Pipe 3/4 NPT	16628	2
22	Gear, Worm	14886	1	60	Wire, .056 Dia x 6" Long	-	1
23	Sleeve	14887	1	61	Wire, .056 Dia x 22" Long	-	1
24	Shaft, Worm Gear Drive	14888	1	62	Plug, Pipe 3/8 NPT	16442	1
25	Disc	16645	2	63	Fitting Relief	16627	1
26	Cap, Bearing	14890	1	64	Bearing, Ball	16643	2
27	Cover, Drive Housing	14891	1	65	Bearing, Ball	16661	1
28	Cap, Bearing	14892	1	66	Bearing, Ball	16662	1
29*	Shaft	15571	1	67	Bearing, Ball	16663	1
30	Cover, Safety Break Housing	14894	1	68	Bearing, Ball	16664	2
31	Shaft Assembly	15682	1	69	Seal, Oil	16650	1
32	Cage, Bearing	14897	1	70	Seal, Oil	16675	1
33†	Housing Drive	14876	1	71	Ring, Retainer	16644	1
34	Housing, Safety Brake	14898	1	72	Ring, Retainer	16669	2
35	Stud	14899	4	73	Ring, Retainer	16670	1
36	Spring	16651	4	74	Ring, Retainer	16671	1
37	Clutch, One Way	16642	2	75	Nut, Nylon Lock, 3/8-24	16400	4

* Includes Part # 16646 (Roller Bearing) and Part # 16377 (Retaining Ring) † Includes Part # 14877 (Sleeve)

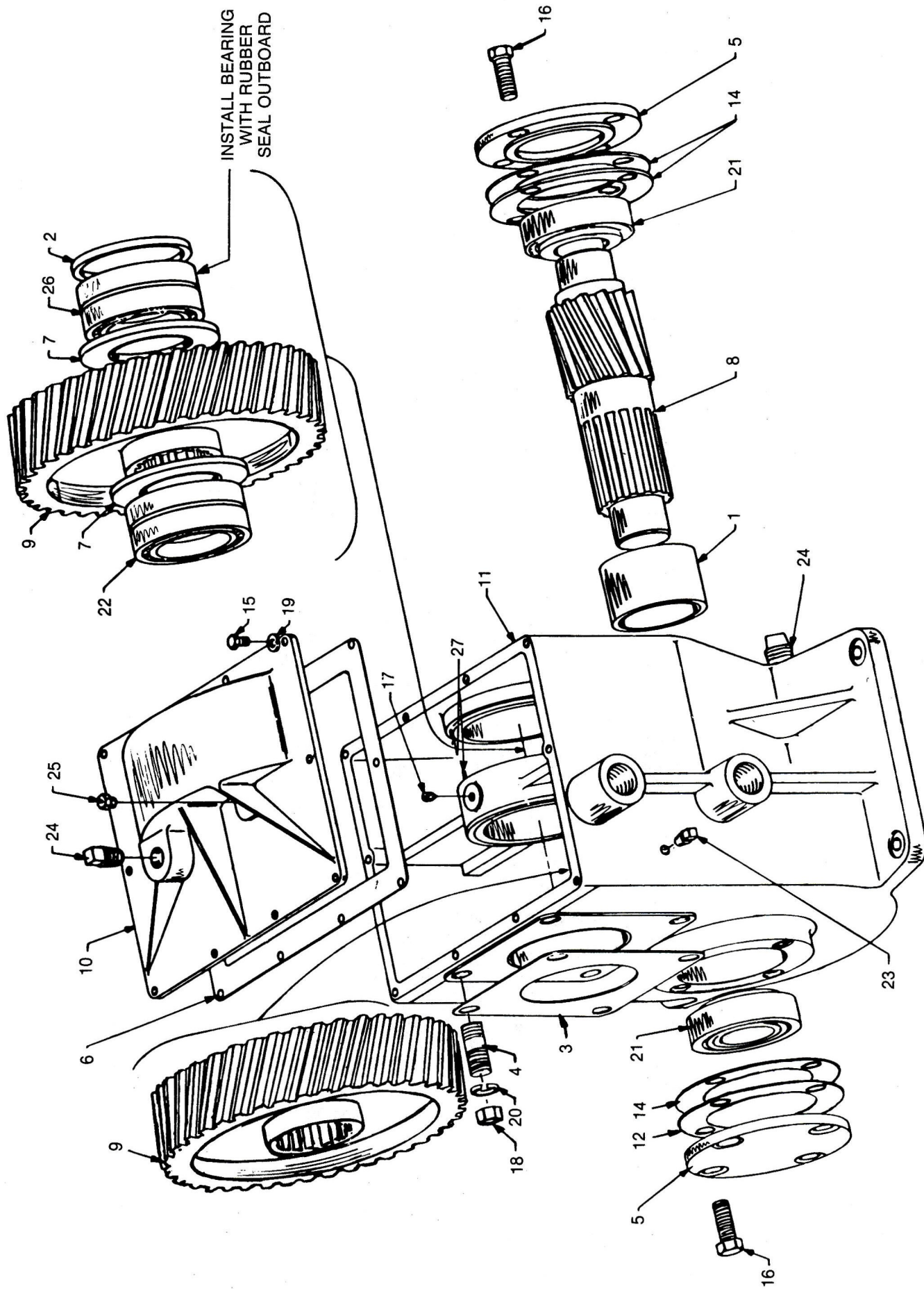


FIG. 4 — FINAL DRIVE ASSEMBLY PARTS DRAWING

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FINAL DRIVE ASSEMBLY PARTS LIST FIG. 4

ITEM	PART NAME	PART #	QTY.	ITEM	PART NAME	PART #	QTY.
1	Spacer	14857	1	16	Screw Cap, 1/2-20 x 1 1/2	17681	8
2	Ring	14858	1	17	Screw, Set 5/16-24 x 3/4	16631	1
3	Gasket	16618	1	18	Nut 1/2-20	16310	4
4	Stud	14859	4	19	Washer, Lock 1/4	03267	10
5	Cap, Bearing	14860	2	20	Washer, Lock 1/2	09324	4
6	Gasket	16619	1	21	Bearing, Cone	16625	2
7	Washer, Thrust	14861	2		Bearing, Cup	16626	2
8	Shaft, Idler	14862	1	22	Bearing, Outer Race	16624	1
9	Gear, Helical	14863	2		Bearing, Inner Race	16601	1
10	Cover	14864	1	23	Plug, Pipe 3/8	16442	1
11	Housing, Final Drive	14865	1	24	Plug, Pipe 3/4	16628	2
12	Shim .002 thk	16620	A.R.	25	Fitting, Relief	16627	1
13				26	Bearing, Outer Race	16623	1
14	Shim .005 thk	16622	A.R.		Bearing, Inner Race	16601	1
15	Screw Cap, 1/4-28 x 1/2	16642	10	27	Pin, Roll 1/4 x 5/8	05029	2

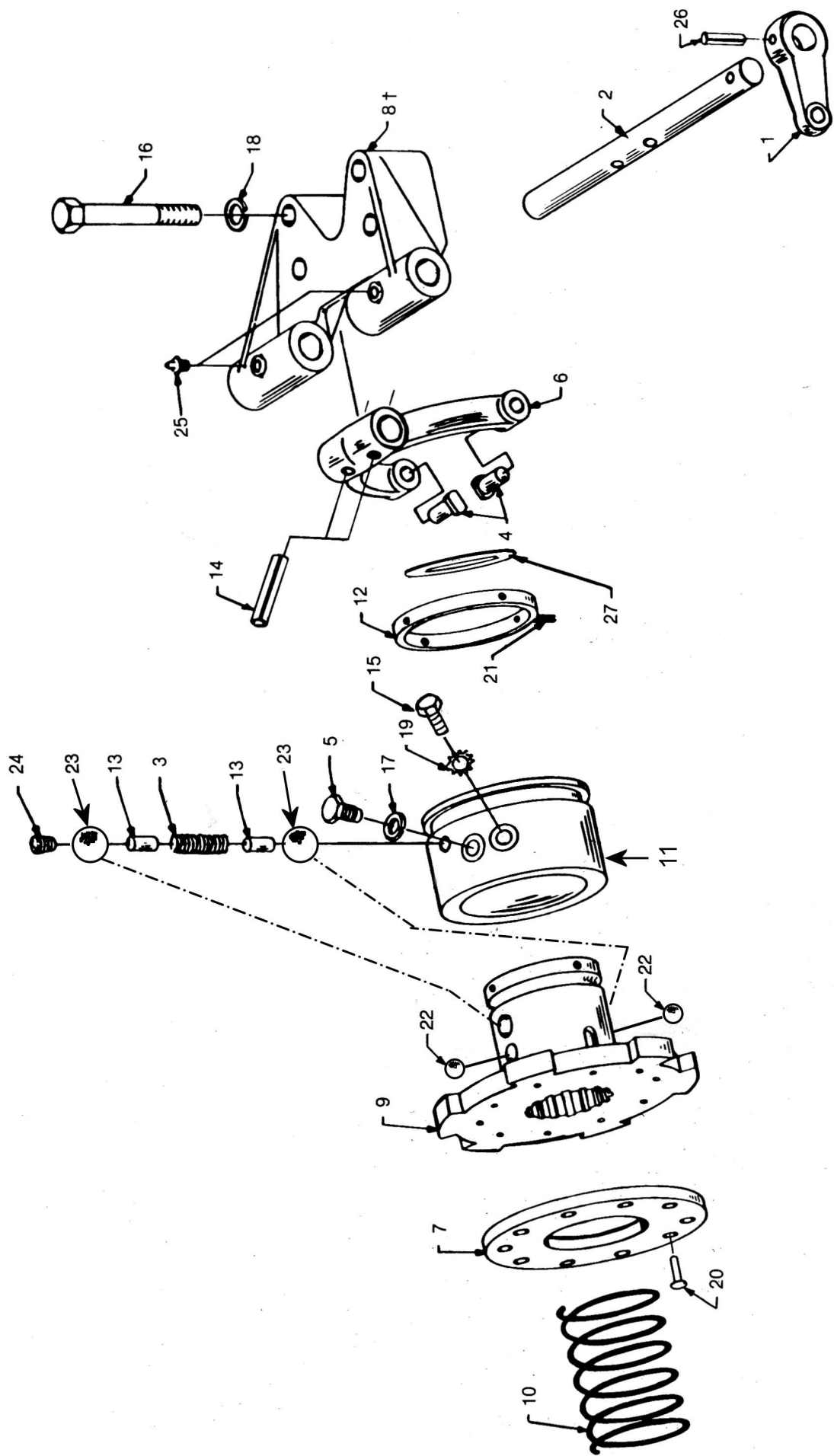


FIG. 5 — CLUTCH & DISC BRAKE ASSEMBLY PARTS DRAWING

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CLUTCH & DISC BRAKE ASSEMBLY PARTS LIST FIG. 5

ITEM	PART NAME	PART #	QTY.	ITEM	PART NAME	PART #	QTY.
1	Lever	16615	1	14	Pin, Roll 1/4 x 1 1/2	03955	2
2	Shaft, Clutch	14903	1	15	Screw, Cap 1/2-20 x 5/8	16684	1
3	Spring, Detent	16612	1	16	Screw, Cap 5/8-18 x 4 1/2	16685	4
4	Pin, Fork	14614	2	17	Washer, Lock 1/2	09324	1
5	Screw, Cap. Detent	14846	1	18	Washer, Lock 5/8	16686	4
6	Fork, Clutch	14902	1	19	Washer, Lock, External Teeth	16683	1
7*	Brake Lining	16616	1	20*	Rivet, Bass 3/16 x 3/4	16617	10
8†	Bracket, Clutch Shaft	15561	1	21	Pin, Roll 1/4 x 5/8	05029	4
9*	Plate, Clutch w/o Brake Lining	14866	1	22	Ball 17/32	16678	2
10	Plate, Clutch with Brake Lining	15560	1	23	Ball 11/16	16679	2
11	Spring, Drum Shaft	16710	1	24	Plug, Pipe, CSK, 1/2	16206	1
12	Sleeve, Detent	14842	1	25	Fitting, Lube	16604	2
13	Ring, Stop	14843	1	26	Pin, Roll 1/16 x 1 3/4	16681	1
	Detent	14844	2	27	Washer, Thrust	16680	1

* Note:

For items 7, 9 and 20, Assembled Order Part # 15560

† When ordering item 8, note the following weldment substitution:

A. When the winch has a model CH Level-Wind, order:

- 1– Bracket Part# 15561
- 1– Spacer Part# 14867
- 1– Spacer Part#14868

B. When the winch does not have a Model CH Level-Wind, order:

- 1– Bracket Part# 15561
- 1– Spacer Part# 14867

Models CD-22 & CD-28 manufactured prior to Feb 15th, 1980 have a single control lever for clutch and disc type drag brake.

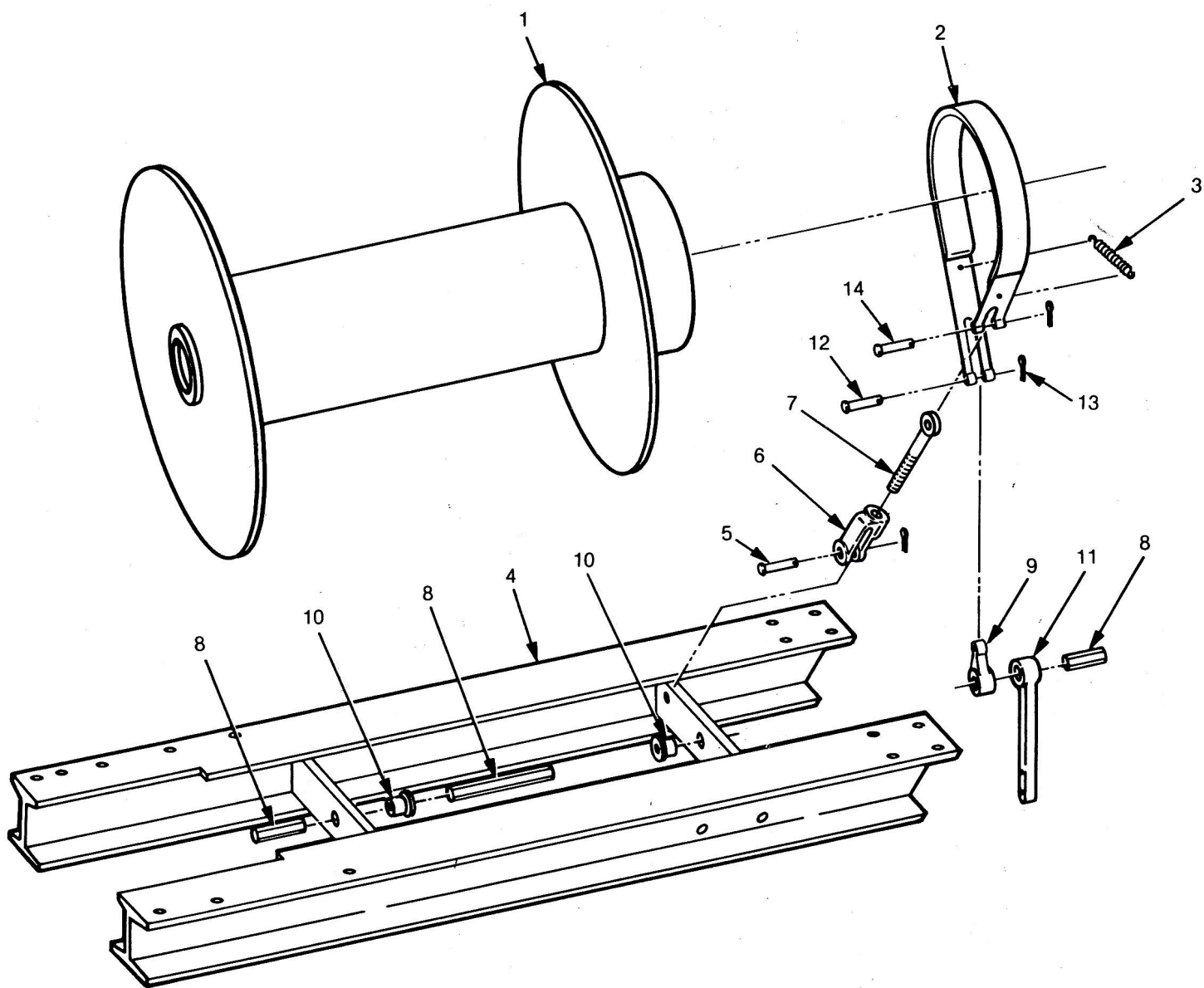


FIG. 6 — BAND BRAKE ASSEMBLY PARTS DRAWING
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BAND BRAKE ASSEMBLY PARTS LIST FIG. 6

ITEM	PART NAME	PART #	QTY.
1*	Drum Assembly, CD-22 or CD-28	-	-
2	Band Assembly	16694	1
3	Spring	16695	1
4*	Frame Assembly, CD-22 or CD-28	-	-
5	Pin with Cotter	16696	1
6	Yoke, Offset	16697	1
7	Rod, Eye	16698	1
8	Shaft, Hex	14918	1
9	Lever	14611	1
10	Collar, Stop	14916	2
11	Lever	15546	1
12	Pin with Cotter	16700	1
13	Pin with Cotter	16348	1
14	Band Brake Assembly	15534	1

NOTE: Model CD-22 and CD-28 Winch Assemblies manufactured between Feb 15th, 1980 and July 31, 1991, have separate control levers for clutch and band type drag brake.

* Reference only, not included in Band Brake Assembly.

ADAMS WINCHES



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