

899 299 N
1989

Parts & Service Manual

F2-12K501/S2-12K501

212-5SB

5-speed

E2-12KE01/R2-12KE01

212-H

Automatic

E2-12K502/R2-12K501

212-5

5-speed



INTRODUCTION PAGE

1. How to use this parts manual

- 1.1. This parts manual is divided into major sections arranged in the sequence as outlined on the following page.
Major sections are subdivided into smaller groups of parts, each with its own illustration and illustration reference numbers.
- 1.2. Illustrated items are numerically keyed to the parts listing on the facing page. Illustrations are repeated when the parts list is too long for one page. Figure numbers are located at the bottom of each illustration and also at the beginning of each description column. Item numbers are numerically keyed to their respective illustrations.
- 1.3. When an (X) appears in the quantity (Qty) column use only if applicable or as required to meet tolerances.

2. To locate parts

Refer to the List of Illustrations to locate the proper illustration.

3. Service information

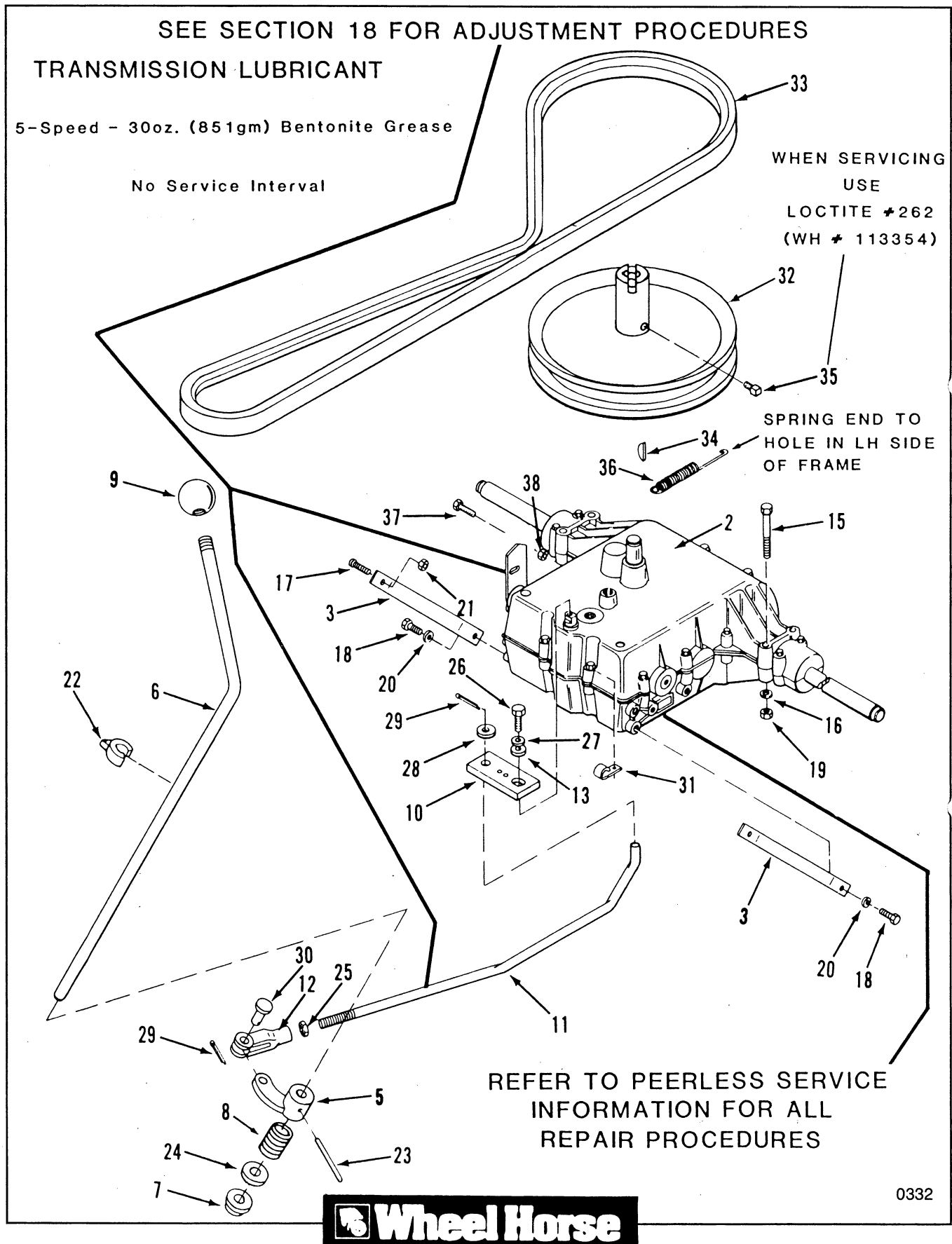
- 3.1. Special notes recorded on illustrations:
Refer to available owner & repair manuals and service bulletins for detailed information.
- 3.2. Standard torque values for fasteners:
Refer to Section 11 - Torque Specifications.
- 3.3. Paint:
Refer to Section 11 - Paint.

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SECTION 1 - TRANSMISSION



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Figure 1-1 5-Speed Transmission

SECTION 1 - TRANSMISSION

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 1-1			
5 - SPEED TRANSMISSION			
2	112299*	Trans. - 5-Spd. (Peerless Model 920-009) 212-5	1-
3	112982	Torque Strap	2
5	111430	Arm	1
6	114941	Shaft	1
7	5666	Nylon Bushing	1
8	111432	Spring	1
9	112983	Knob	1
10	115198	Transmission Arm	1
11	115042	Rod	1
12	115043	End Rod	1
13	104869	Special Washer	1
15	908025	Hex Hd Cap Screw 5/16-18 x 2-1/2	4
16	920008	Washer 5/16 SAE	6
17	900036	Carriage Bolt 5/16-18 x 5/8	2
18	926720	S.W. Form Screw 5/16-18 x 3/4	2
19	915662	E.S. Hex Nut 5/16-18	4
20	920082	Lockwasher 5/16	2
21	915112	Eslok Nut 5/16-18	2
22	113025	Pointer	1
23	933273	Spirol Pin 7/32 x-2 1/2	1
24	3765	Shim Washer .035	X
	1278	Shim Washer .050	X
25	915084	Jam Nut	1
26	908153	Hex Hd Cap Screw 1/4-28 x 7/8	1
27	920081	Lockwasher 1/4	1
28	920268	Washer 11/32 SAE	1
29	932008	Cotter Pin 3/4 x 3/32	2
30	911425	Bolt	1
	915662	Nut	1
	920008	Washer	1
31	111357	J-Clip	1
32	116120	Transmission Pulley (212-5 only)	1
	108790	Pulley Transm. (212-5SB only)	1
33	114860	Transmission Drive Belt (91.7")	1
34	937225	Hi Pro Key ≠ 9 3/16 x 3/4	1
35	909540	Sq Hd Set Screw	2
36	110769	Brake Return Spring (4.9")	1
37	908019	Hex Bolt 5/16-18 x 1 Brake Stop	1
38	915112	Eslok Hex Nut 5/16-18	1

* Order Replacement Parts or Complete Assembly Through Manufacturer's Distribution System, Using Model/Spec. Number Shown.
WHEEL HORSE Part Number is Listed for Cross-Reference Purpose only; Item is **Not Available** through WHEEL HORSE.

SECTION 1 - TRANSMISSION

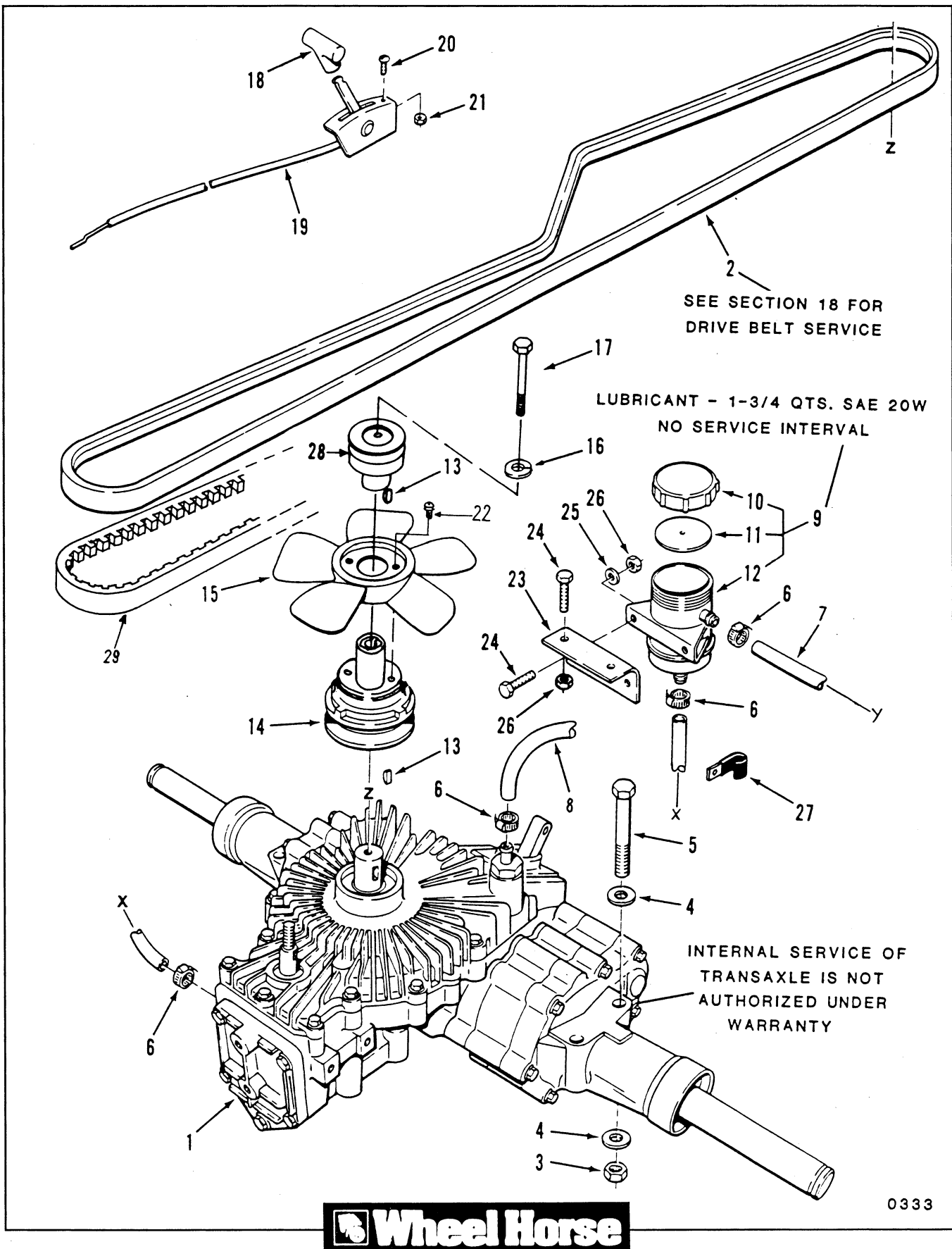


Figure 1-2 Hydrostatic Transaxle

SECTION 1 - TRANSMISSION

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 1-2 HYDROSTATIC TRANSAXLE			
1	113873*	Hydrostatic Transaxle (Eaton model 750-012)	1
	219025*	Rebuilt Hydrostatic Transaxle	X
2	114433	Belt (83")	1
3	915662	E.S. Nut 5/16-18	4
4	920008	Flat Washer 5/16 SAE	8
5	908026	Bolt 5/16-18 x 2-3/4	4
6	116180	Hose Clamp	4
7	114409	Hose (8-1/2")	1
8	114693	Hose (26")	1
9	114028	Hydro Reservoir Complete (includes items 10, 11 & 12)	1
10	114562	Cover	1
11	114563	Cover Gasket	1
12	114564	Reservoir	1
13	937222	Hi-Pro Key 5/8 x 3/16	2
14	115688	Pulley	1
15	115687	Fan	1
16	920081	Lock Washer 1/4	1
17	908011-6	Bolt	1
18	107045	Knob	1
19	114434	Push Valve Cable	1
20	910792	Screw ≠ 10-24 x 1/2	2
21	915740	Elast Nut ≠ 10-24	2
22	911910	Screw	2
23	116007	Reservoir Mounting Bracket	1
24	908003	Bolt 1/4-20 x 3/4	4
25	920007	Flat Washer 1/4 SAE	2
26	915661	E.S. Nut 1/4-20	4
27	8830	Clip	1
28	115686	Drive Pulley PGC (Hydro)	1
29	115968	V-Belt PGC	1

* Measure diameter of transaxle dump valve shaft end before ordering.

Replacement transaxle has dump valve shaft which requires an arm plate with a .564" diameter double "D" hole (see figure 3-3 item ≠ 46).

Confirm you have correct arm plate for reassembly.

SECTION 1 - TRANSMISSION

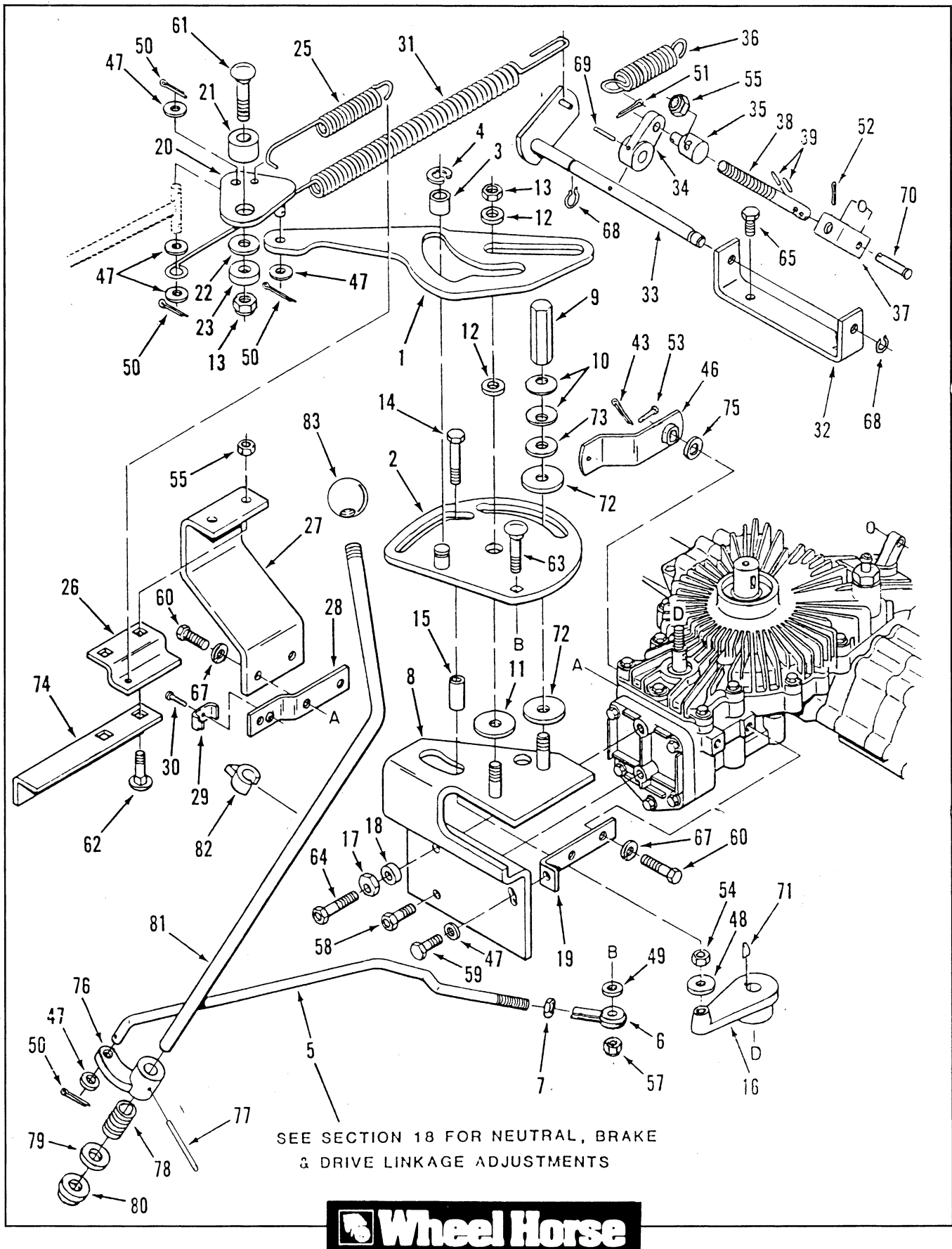


Figure 1-3 Hydrostatic Transaxle - Control Linkage

SECTION 1 - TRANSMISSION

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 1-3 HYDROSTATIC TRANSAXLE - CONTROL LINKAGE			
1	114416	Neutral Return Plate	1
2	114401	Cam Plate	1
3	100656	Cam Return Bearing	1
4	5701	E-Ring	1
5	116339	Speed Control Rod	1
6	110189	Rod End	1
7	915083	Jam Nut 1/4-28	1
8	114403	Cam Plate Support	1
9	114695	Special Nut 3/8-16 x 2	1
10	100365	Spring Disc Washer	2
11	100305	Friction Washer	1
12	100309	Cam Spacer	2
13	109779	Jam Nut 3/8-16	2
14	908007	Nylok Bolt 1/4-10 x 1-1/2	1
15	114402	Spacer	1
16	116340	Motion Control Arm	1
17	106661	Cam	1
18	109447	Gear Spacer	1
19	114656	Angle Support	1
20	114404	Neutral Pivot Plate	1
21	114697	Spacer	1
22	920271	Special Washer	1
23	104859	Lift Link Spacer	1
25	114818	Spring (4.87")	1
26	114668	Spring Bracket	1
27	114410	Torque Bracket	1
28	115678	Mounting Plate	1
29	111688	Clamp	1
30	926641	Screw ≠ 10-24 x 1/2	1
31	114698	Brake Spring (16.48")	1
32	114666	Bracket	1
33	114670	Brake Pivot	1
34	114663	Plate	1
35	104524	Trunnion	1
36	107677	Brake Spring (2.26")	1
37	114665	Clevis	1
38	114808	Rod	1
39	933132	Spirol Pin 3/32 x 7/16	1
43	932000	Cotter Pin 1/16 x 1/2	1
46	116398	Arm Plate (Double "D" hole dia.-.564")	1
47	920008	Washer 5/16 SAE	5
48	920009	Washer 3/8 SAE	1
49	920007	Washer 1/4 SAE	1
50	932008	Cotter Pin 3/32 x 3/4	3
51	932009	Cotter Pin 3/32 x 1	1
52	932001	Cotter Pin 1/16 x 3/4	1

SECTION 1 - TRANSMISSION

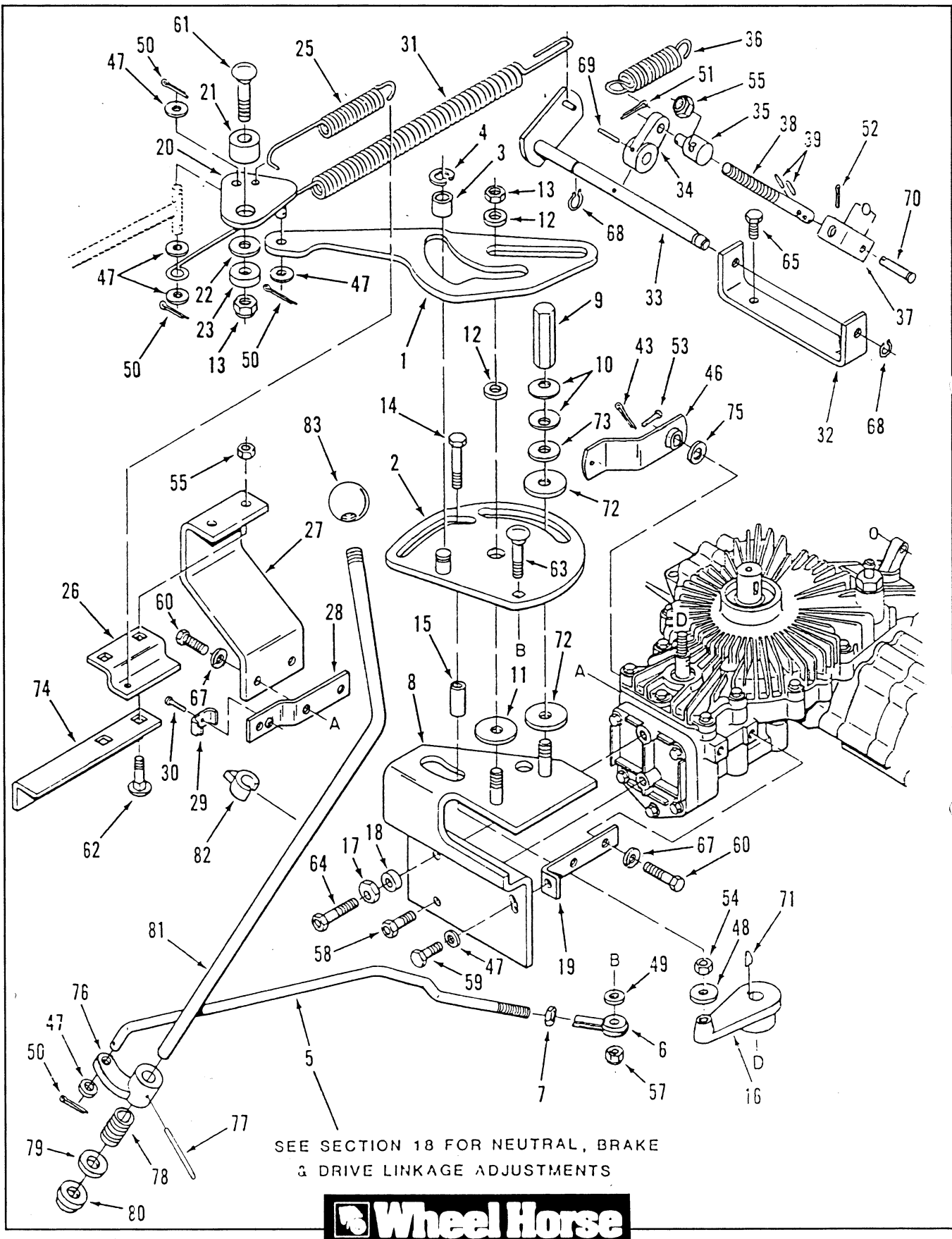


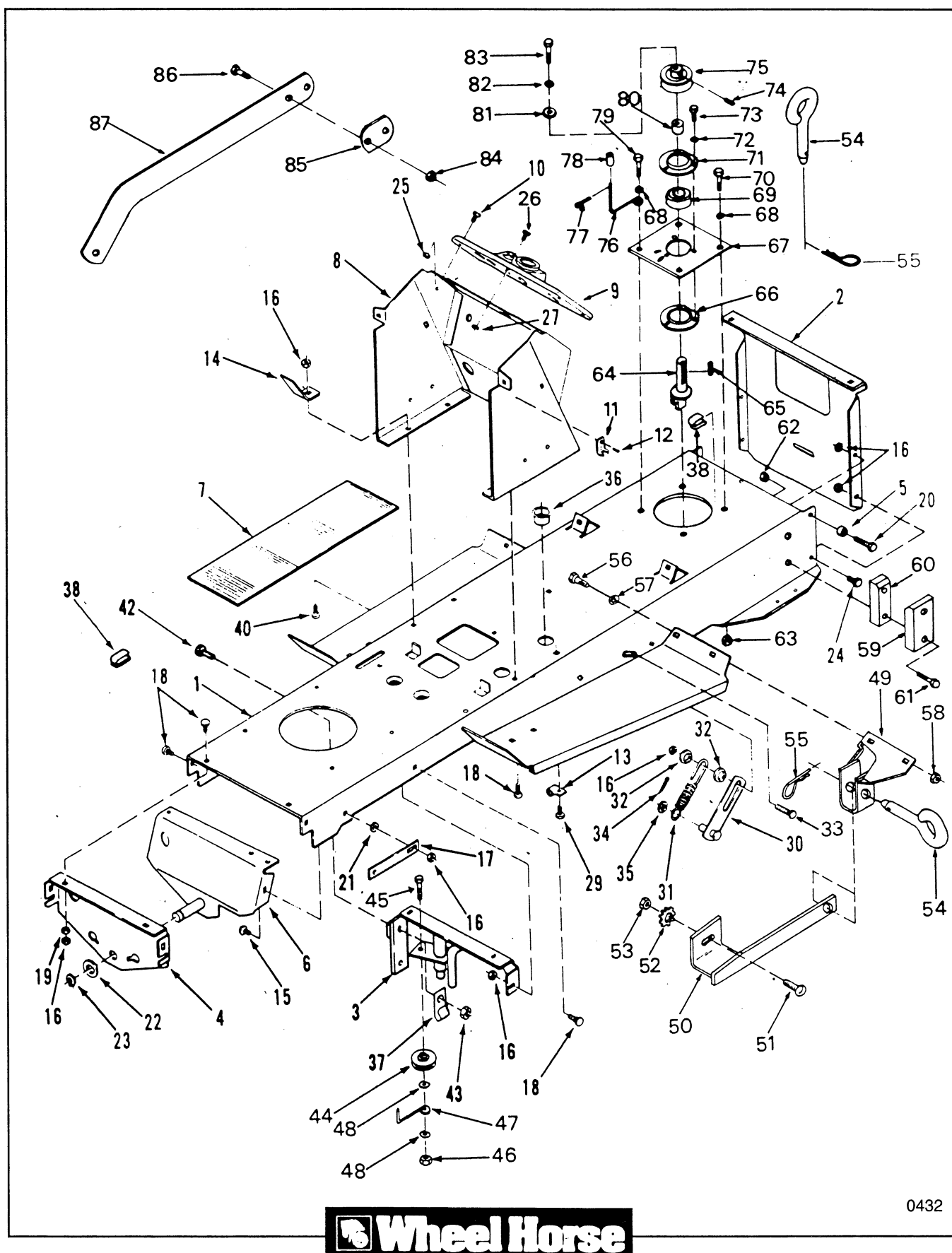
Figure 1-3 Hydrostatic Transaxle - Control Linkage

SECTION 1 - TRANSMISSION

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 1-3 HYDROSTATIC TRANSAXLE - CONTROL LINKAGE (CONT'D)			
53	932948	Cotter Pin 1/4 x 1-1/4	1
54	915113	Eslok Nut 3/8-16	1
55	915662	E.S. Nut 5/16-18	3
57	915661	E.S. Nut 1/4-20	1
58	926720	S.T. Bolt 5/16-18 x 3/4	1
59	908016	Bolt 5/16-18 x 5/8	1
60	908017	Bolt 5/16-18 x 3/4	4
61	900065	Carriage Bolt 3/8-16 x 1-1/2	1
62	900038	Carriage Bolt 5/16-18 x 1	2
63	900016	Carriage Bolt 1/4-20 x 1-1/2	1
64	926698	S.T. Screw 5/16-18 x 1-1/4	1
65	908016	Bolt 5/16-18 x 5/8	2
67	920082	Lock Washer 5/16	4
68	936115	External Snap Ring	2
69	933152	Spirol Pin 1/8 x 3/4	1
70	932948	Clevis Pin	1
71	937082	Woodruff Key 1/8 x 1/2	1
72	114821	Friction Washer	2
73	920039	Washer 3/8 US	1
74	115677	Bracket	1
75	920259	Plain Special Washer	1
76	111430	Arm	1
77	933273	Spirol Pin 7/32 x 2-1/2	1
78	111432	Spring	1
79	920259	Shim Washer .032	X
	1278	Shim Washer .050	X
80	5666	Nylon Bushing	1
81	111431	Shaft	1
82	113025	Pointer	1
83	112983	Knob	1

SECTION 2 - FRAME, SHEET METAL AND COVERS



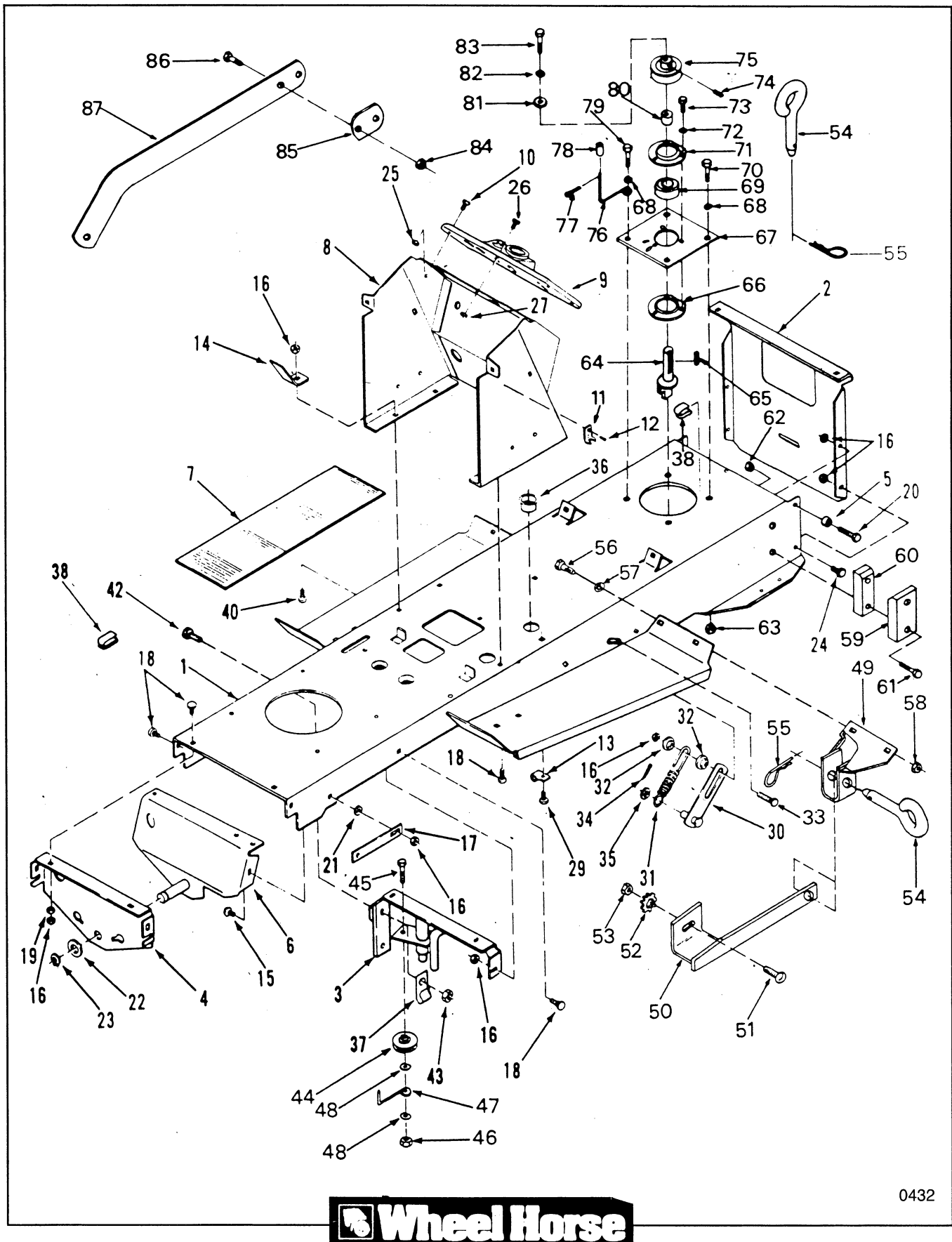
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Figure 2-1 Frame, Sheet Metal and Covers

SECTION 2 - FRAME, SHEET METAL AND COVERS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 2-1			
FRAME, SHEET METAL AND COVERS			
1	114423	Frame	1
2	114417	Rear Drawbar Plate	1
3	112850	Frame Support Plate 212-H	1
	114851	Frame Support Plate 212-5	1
	115104	Frame Support Plate 212-5SB	1
4	111397	Axle Support Plate - Front	1
5	100304	Cam Roller	2
	114610	Cam Roller 212-H	2
6	112977	Axle Support - Rear	1
7	110180	Footrest Mat - Rubber	2
8	113423	Hoodstand-5Spd	1
	113400	Hoodstand 212-H	1
9	111467	Console Panel	1
10	111499	Pan Hd Screw 10-24 x 5/8 Black	4
11	109237	Latch Keeper	2
12	923784	Pop Rivet 1/8 x .232	4
13	111392	J-Clip	1
14	111671	Fuse Bracket	1
15	900038	Carriage Bolt 5/16-18 x 1	2
16	915662	E.S. Hex Nut 5/16-18	8
17	111763	Strap	2
18	900037	Carriage Bolt 5/16-18 x 3/4	7
19	920008	Washer 5/16 SAE	5
20	908020	Hex Hd Cap Screw 5/16-18 x 1-1/4	2
21	920155	Internal Tooth Lockwasher 5/16	2
22	1278	Shim Washer .050	X
	5210	Shim Washer .015	X
23	104822	Retaining Ring 3/4	1
24	908016	Hex Hd Cap Screw 5/16-18 x 5/8	2
25	915740	Hex Nut 10-24	4
26	910837	Croze Recess Pan Mach Screw 1/4-20 x 5/8	1
	920081	Lockwasher 1/4" (not illustrated)	1
27	915111	Eslok Nut 1/4-20	1
29	908019	Hex Bolt 5/16-18 x 1"	3
30	111524	Link	2
31	111527	Spring	2
32	111758	Bushing	4
33	900040	Carriage Bolt 5/16-18 x 1-1/2	2
34	932025	Cotter Pin 5/32 x 1	2
35	920242	Special Washer	2
36	938031	Bushing	1
37	8830	Clip	1
38	113116	Retainer	2
40	908019	Bolt 5/16-18 x 1	2
42	908035	Bolt 3/8-16 x 1-1/4	1
43	915663	E.S. Nut 3/8-16	1
44	110370	Pulley (not on 212-H)	1



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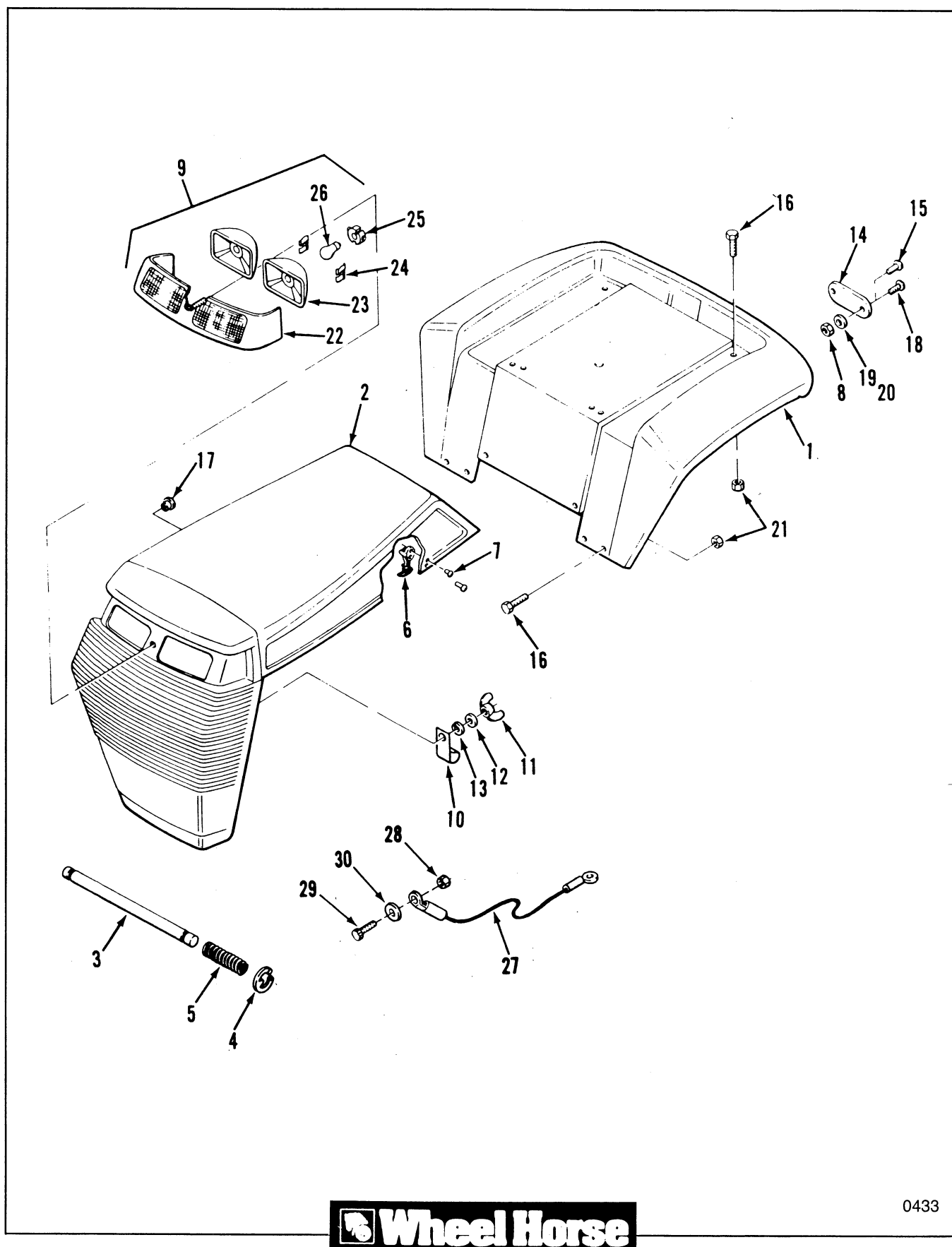
Figure 2-1 Frame, Sheet Metal and Covers

SECTION 2 - FRAME, SHEET METAL AND COVERS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 2-1 FRAME, SHEET METAL AND COVERS (CONT'D)			
45	908038	Bolt (not used on 212-H)	1
46	915663	Nut (not used on 212-H)	1
47	109230	Belt Guide (not used on 212-H)	1
48	920009	Washer (not used on 212-H)	2
49	114723	Assy Bracket LH (not used on 212-5SB)	1
	114724	Assy Bracket RH (not illustrated) (not used on 212-5SB)	1
50	115767	Brace Weldment LH (not used on 212-5SB)	1
	115768	Brace Weldment RH (not illustrated) (not used on 212-5SB)	1
51	900063	Bolt (ONLY used on 212-5SB)	2
52	1336	Washer (not used on 212-5SB)	2
53	915663	Nut	2
54	106634	Toolpin (ONLY 1 used on 212-5SB)	3
55	933505	Hairpin (ONLY 1 used on 212-5SB)	3
56	908017	Bolt	2
57	920267	Washer	2
58	915112	Nut	2
59	114756	Block-Rub (not used on 212-5SB)	2
60	114762	Spacer-Rub Block (not used on 212-5SB)	2
61	910842	Bolt (not used on 212-5SB)	4
62	915661	Nut (not used on 212-5SB)	4
63	915662	Nut (not used on 212-5SB)	4
64	116119*	Shaft Drive	1
65	6366*	Key	1
66	102536*	Bearing-Cup W/Nut	1
67	114686*	Plate MTG	1
68	920008	Washer	4
69	102534*	Bearing-Ball	1
70	908017	Bolt	3
71	102533*	Cup Bearing	1
72	920081	Lockwasher	3
73	908001*	Bolt	3
74	909863*	Set Screw	1
75	114740*	Drive Pulley PGC	1
76	114811*	Belt Guide	1
77	932001*	Cotter Pin	1
78	114812*	Spacer	1
79	908019	Bolt	1
80	114741*	Spacer Shaft	1
81	2844*	Washer	1
82	920083*	Lockwasher	1
83	908034*	Bolt	1
84	915663	Nut	4
85	114757	Spacer (not used on 212-5SB)	2
86	908035	Bolt	4
87	114755	Bar Pivot (not used on 212-5SB)	2

* Only used on 212-5



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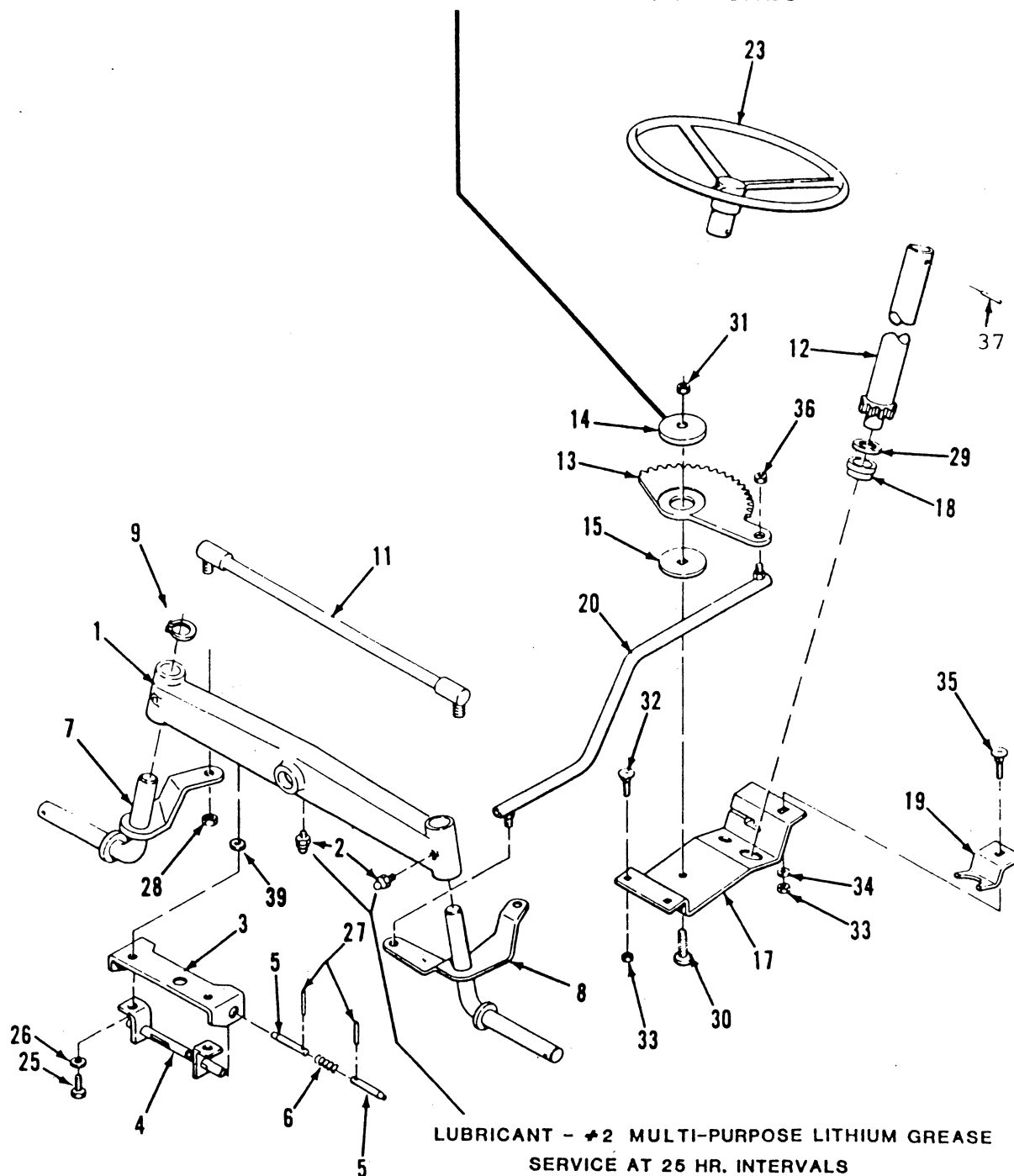
Figure 2-2 Frame, Sheet Metal and Covers

SECTION 2 - FRAME, SHEET METAL AND COVERS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 2-2 FRAME, SHEET METAL AND COVERS			
1	114389	Fender	1
2	115470	Hood & Grill	1
3	111480	Rod	1
4	107772	E-Ring	2
5	111536	Spring	2
6	109236	Handle w/Bracket (109237)	2
7	923785	Pop Rivet 1/8 x .294	4
8	915551	Nut ≠ 10-32 (optional)	2
9	116600	Head Light Bar (includes items 22, 23, 24, 25, & (2) of 26)	1
10	111392	Clip 212-6	1
11	MW8756	E.S. Wing Nut 1/4-20	1
12	103995	Special Washer	1
14	108547	Reflector	2
15	109193	Poprivet .188 x .57 Aluminium	4
16	900038	Carriage Bolt 5/16-18 x 3/4	8
	920008	Washer 5/14 SAE (not illus)	8
17	938031	Bushing	2
18	910808	Screw ≠ 10-32 x 5/8 (options)	2
19	920004	Washer ≠ 8 (used w/poprivet - production)	2
20	920079	Lockwasher ≠ 10 (options)	2
21	915662	E.S. Hex Nut 5/16-18	8
22	116599	Light Bar	1
23	111684	Light Pods	2
24	111685	Light Retainers	4
25	116262	Light Sockets	2
26	7228	Light Bulb	2
27	112708	Hood Lanyard Cable	1
28	915740	E.S. Hex Nut ≠ 10-24	1
29	913111	Machine Hd Screw ≠ 10-24 x 1/2	1
30	112925	Backing Washer	1

SEE SECTION 18 FOR ADJUSTMENT PROCEDURES



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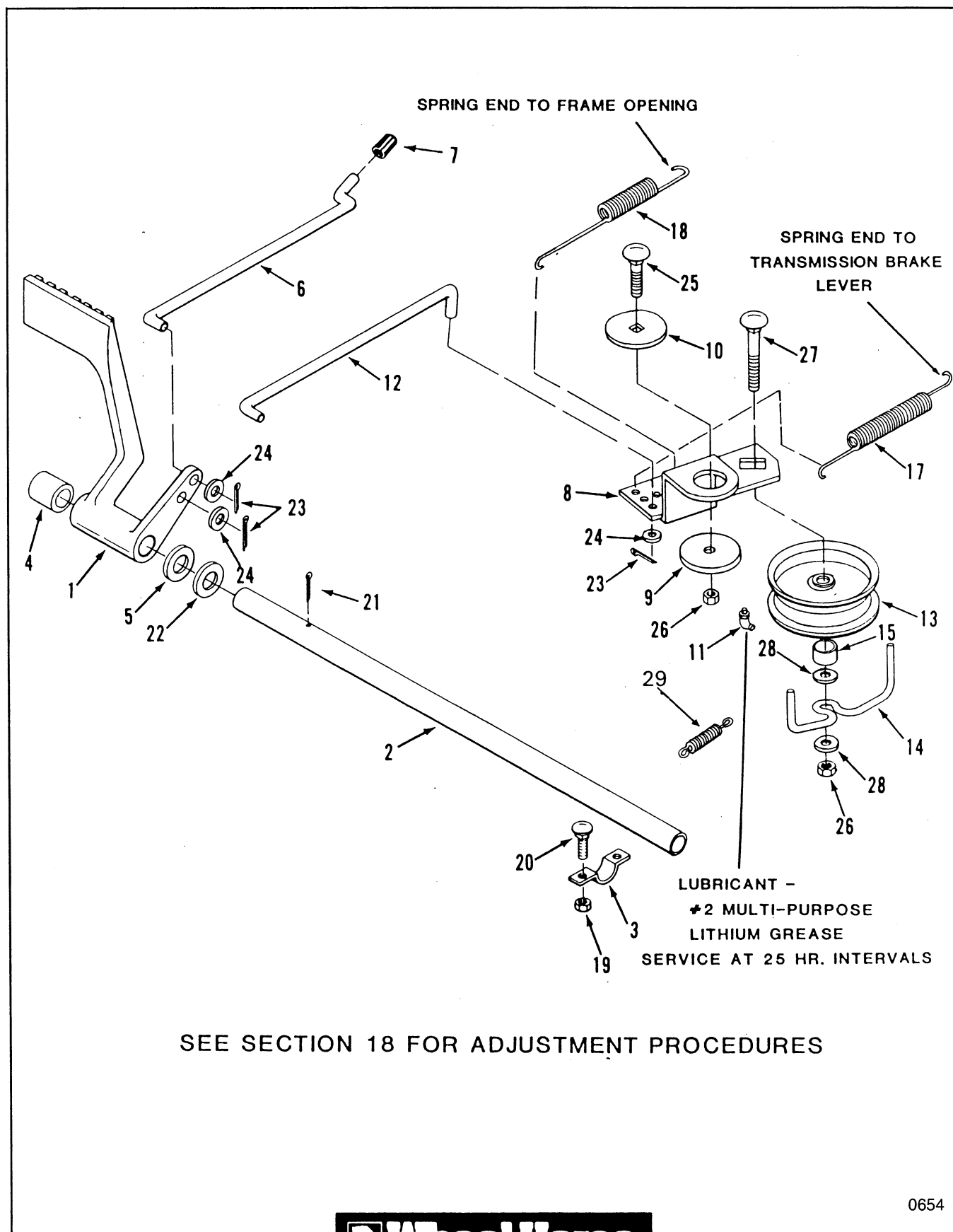
Figure 3-1 Front Axle and Steering

SECTION 3 - FRONT AXLE AND STEERING

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ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 3-1 FRONT AXLE AND STEERING	
1	114385	Axle - Front	1
2	1030	Grease Fitting	3
3	112847	Support Bracket	1
4	113044	Tube	1
5	113030	Pin	2
6	111531	Spring	1
7	111406	RH Spindle	1
8	111409	LH Spindle	1
9	104822	Retaining Ring 3/4	2
11	112981	Tie Rod	1
12	111413	Pinion Shaft	1
	116480	Pinion Shaft Coupler (not illus.)	1
	933221	Spirol Pin 1/4" x 2 (not illus.)	1
13	111417	Sector Gear	1
14	111418	Eccentric Bushing	1
15	111419	Washer	1
17	114943	Steering Gear Bracket 5 spds	1
	114711	Steering Gear Bracket (212 H)	1
	920267	Special Washer (212-5SB)	2
18	110391	Bushing	1
19	111422	Retainer	1
20	111423	Drag Link Rod	1
23	113987	Steering Wheel - 13" Plastic	1
25	908018	Hex Hd Cap Screw 5/16-18 x 7/8	2
26	920082	Lockwasher 5/16	2
27	933268	Spirol Pin 3/16 x 1-1/2	2
28	915001	Eslok Hex Nut 5/16-24	1
29	1278	Washer.050	X
30	900235	Bolt 3/8-16 x 1-1/4	1
31	108881	Lock Hex Nut 3/8-16	1
32	911449	Carriage Bolt 5/16-18 x 7/8	2
33	915662	E.S. Hex Nut 5/16-18	3
34	920008	Washer 5/16 SAE	1
35	900038	Carriage Bolt 5/16-18 x 1	1
36	915002	Eslok Hex Nut 3/8-16	1
37	933272	Spirol Pin 5/16 x 1-3/8	1
39	2844	Special Washer	2

SECTION 4 - BRAKE AND CLUTCH LINKAGE



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Figure 4-1 Brake and Clutch Linkage

SECTION 4 - BRAKE AND CLUTCH LINKAGE

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 4-1			
BRAKE AND CLUTCH LINKAGE - Mechanical Transmission			
1	111436	Clutch/Brake Pedal	1
2	111437	Pedal Shaft	1
3	106288	Shaft Clamp	2
4	110015	Spacer	1
5	111712	Wave Washer	1
6	112984	Lock Rod	1
7	111439	Grip	1
8	114859	Idle Arm	1
9	111418	Eccentric Bushing	1
10	111419	Washer	1
11	111420	Grease Fitting 45°	1
12	113129	Clutch/Brake Rod	1
13	111442	Idle Pulley	1
14	111443	Belt Guide	1
15	104525	Spacer	1
17	111445	Brake Spring (9.75")	1
18	111446	Clutch Spring (7.88")	1
19	915662	E.S. Hex Nut 5/16-18	4
20	900037	Carriage Bolt 5/16-18 x 3/4	4
21	932025	Cotter Pin 5/32 x 1	1
22	920215	Washer	1
23	932008	Cotter Pin 3/32 x 3/4	3
24	920008	Washer 5/16 SAE	3
25	900064	Carriage Bolt 3/8-16 x 1-1/4	1
26	915663	E.S. Hex Nut 3/8-16	2
27	908038	HHCS 3/8-16 x 2	1
28	920009	Washer 3/8 SAE	2
29	116150	Extension Spring	1

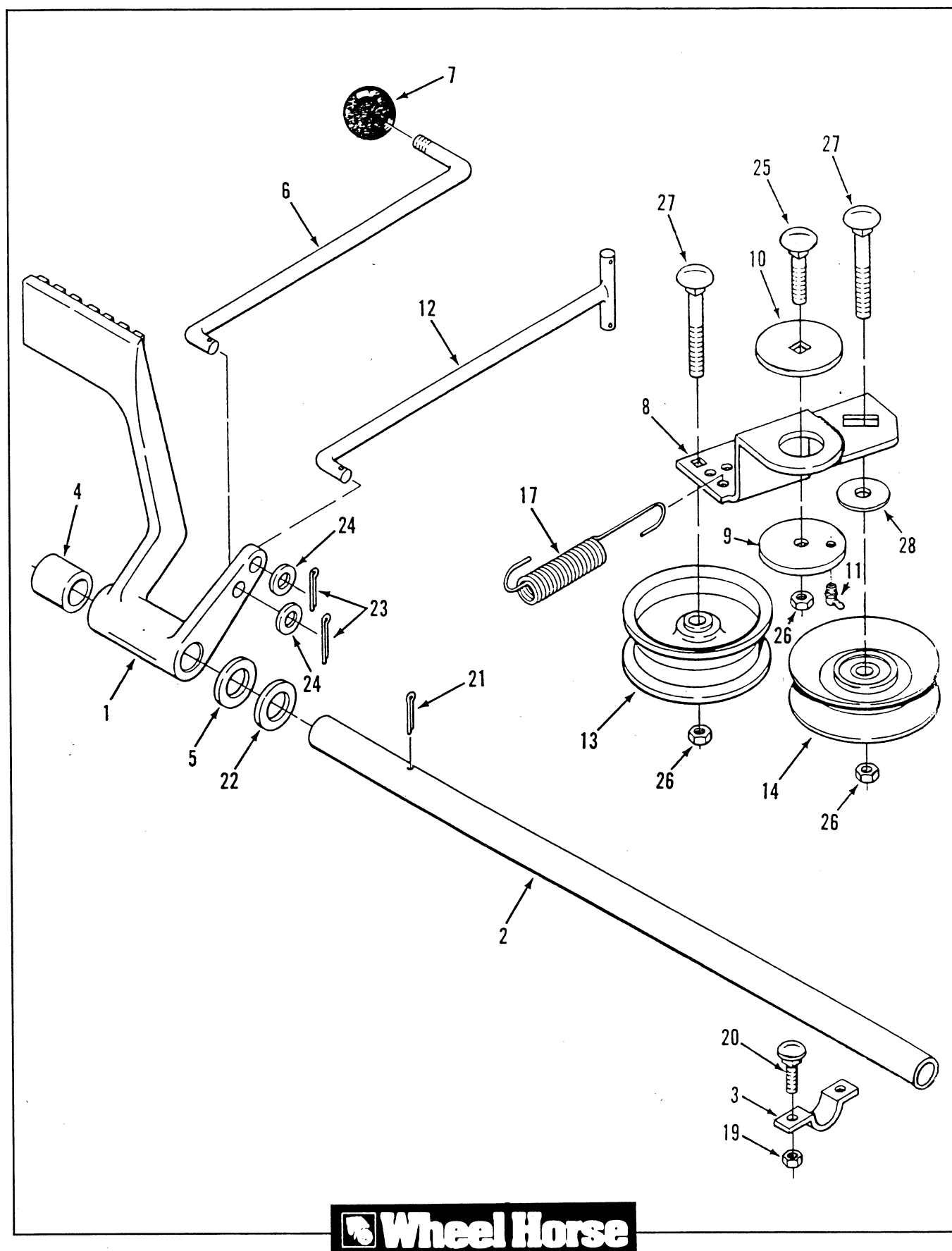


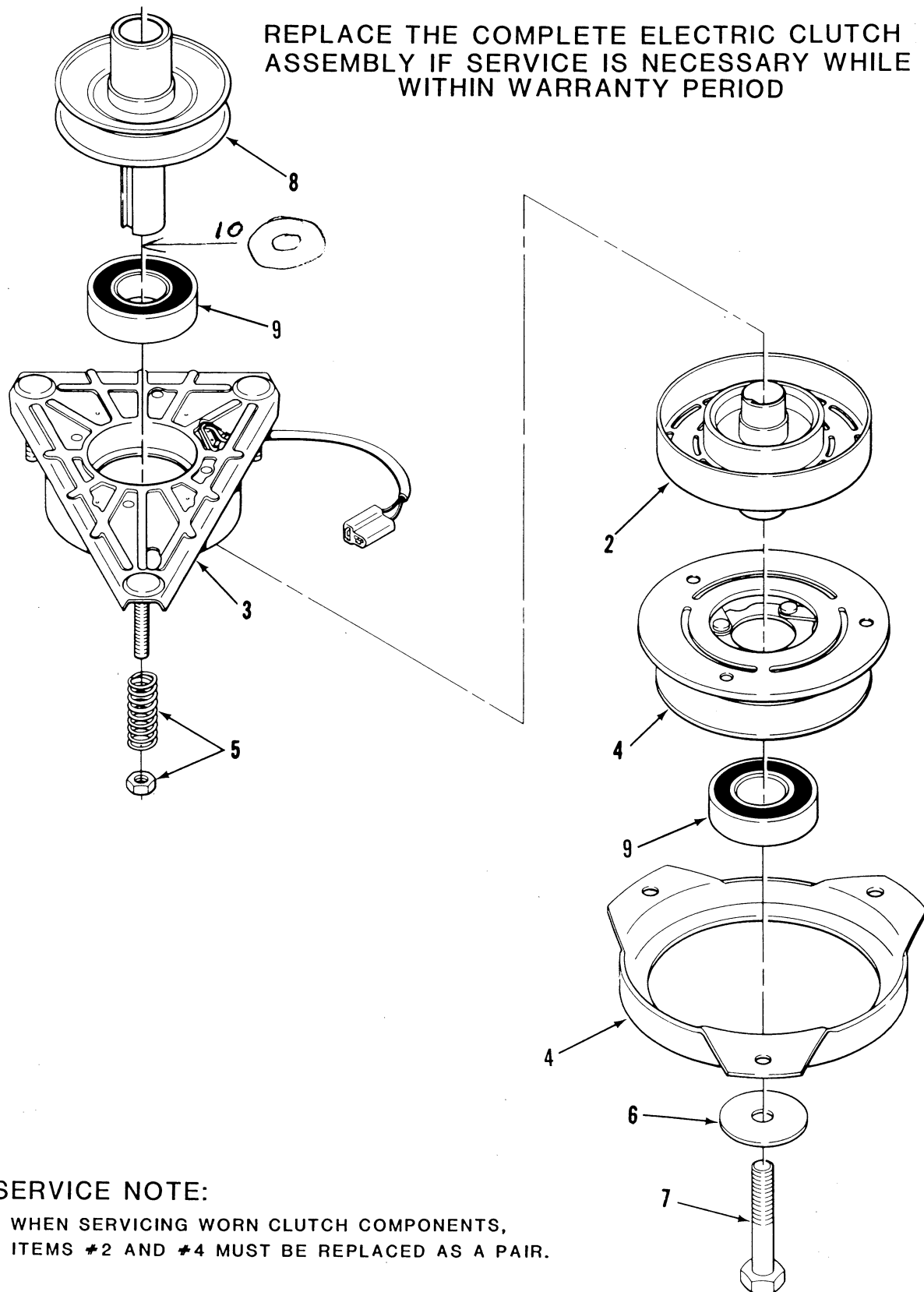
Figure 4-2 Hydrostatic Transaxle Brake and Clutch Linkage

SECTION 4 - BRAKE AND CLUTCH LINKAGE

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 4-2			
HYDROSTATIC TRANSAXLE BRAKE AND IDLER LINKAGE			
1	114418	Brake Pedal	1
2	111437	Pedal Shaft	1
3	106288	Shaft Clamp	2
4	110015	Spacer	1
5	111712	Wave Washer	1
6	114705	Lock Rod	1
7	111070	Knob	1
8	114034	Idler Arm	1
9	111418	Eccentric Bushing	1
10	111419	Washer	1
11	111420	Grease Fitting 45°	1
12	114707	Brake Rod	1
13	111442	Flat Idler Pulley	1
14	109444	V-Idler Pulley	1
17	102572	Idler Spring (4.93")	1
19	915662	E.S. Hex Nut 5/16-18	4
20	900037	Carriage Bolt 5/16-18 x 3/4	4
21	932025	Cotter Pin 5/32 x 1	1
22	920215	Washer	1
23	932008	Cotter Pin 3/32 x 3/4	3
24	920008	Washer 5/16 SAE	3
25	900064	Carriage Bolt 3/8-16 x 1-1/4	1
26	915663	E.S. Hex Nut 3/8-16	3
27	900237	Carriage Bolt 3/8-16 x 2-1/4	2
28	920039	Washer 3/8 US	1

SECTION 5 - ENGINE PULLEY AND PTO CLUTCH



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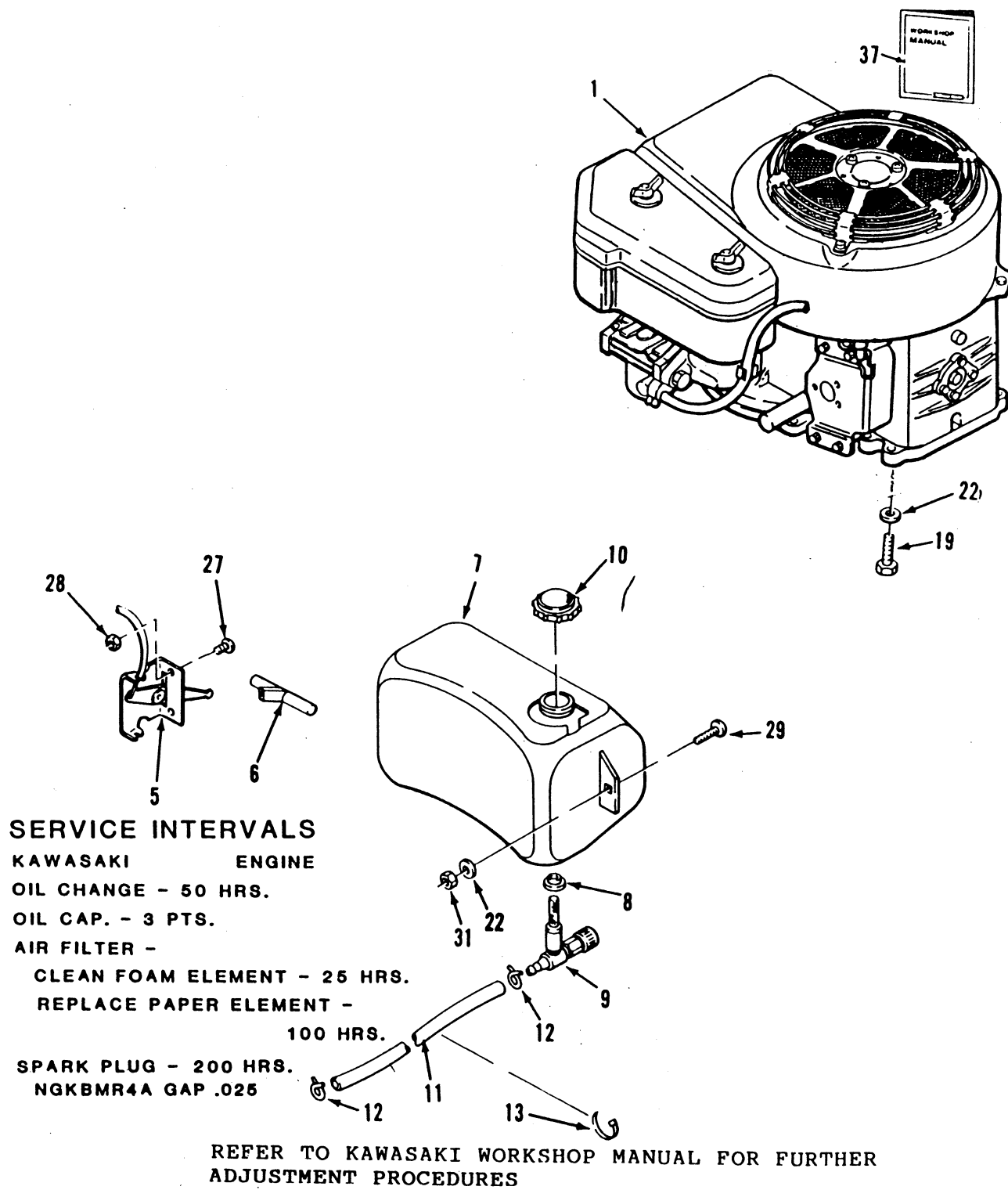


Figure 5-1 Engine Pulley & PTO Clutch

SECTION 5 - ENGINE PULLEY AND PTO CLUTCH

23

ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 5-1	
		ENGINE PULLEY AND PTO CLUTCH	
	113426	Electric Clutch Assy (includes items 2, 3, 4 & 5)	1
2	113820	Rotor Assy	1
3	113821	Field Assy (includes one of item 9)	1
4	114570	Armature and Pulley Assy (includes one of item 9 and Brake Plate)	1
5	113823	Springs & Nuts	3
6	112843	Washer	1
7	112853	Bolt M10x1.50 x 120. (212-5, 212-H)	1
	115203	HHCS M10 x 1.50 x 110 ESL (212-5SB)	1
8	112858	Engine Pulley (212-5, 212-H)	1
	112857	Engine Pulley (212-5SB)	1
9	114064	Ball Bearing	2
10	114271	Washer	1



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Figure 6-1 Engine, Fuel & Exhaust Systems

SECTION 6 - ENGINE, FUEL & EXHAUST SYSTEMS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 6-1	
		ENGINE, FUEL & EXHAUST SYSTEMS	
1	113424	Engine - 12HP - Kawasaki FB460V	X
5	115790	Choke/Throttle Control	1
6	107045	Knob	1
7	111472	Fuel Tank with Valve Assembly and Bushing	1
8	104047	Bushing	1
9	104048	Valve	1
10	111474	Gas Cap	1
11	112442	Fuel Line 22"	1
12	108898	Hose Clamp	2
13	100571	Cable Tie	1
19	908020	Bolt M8x1.25 x 25M	4
22	920008	Washer 5/16 SAE	4
27	910792	Pan Hd Cross Recess Screw ≠ 10-24	2
28	915740	E.S. Hex Nut ≠ 10-24	2
29	900037	Carriage Bolt 5/16-18 x 3/4	2
31	915662	E.S. Hex Nut 5/16-18	2
37	99924-2011	Kawasaki FB460V Workshop Manuel	2
	810447	Engine Manual 12.5 H.P. K/W	
	810556	Engine Manual 12.5 H.P. French	
	810559	Engine Manual 12.5 H.P. German	

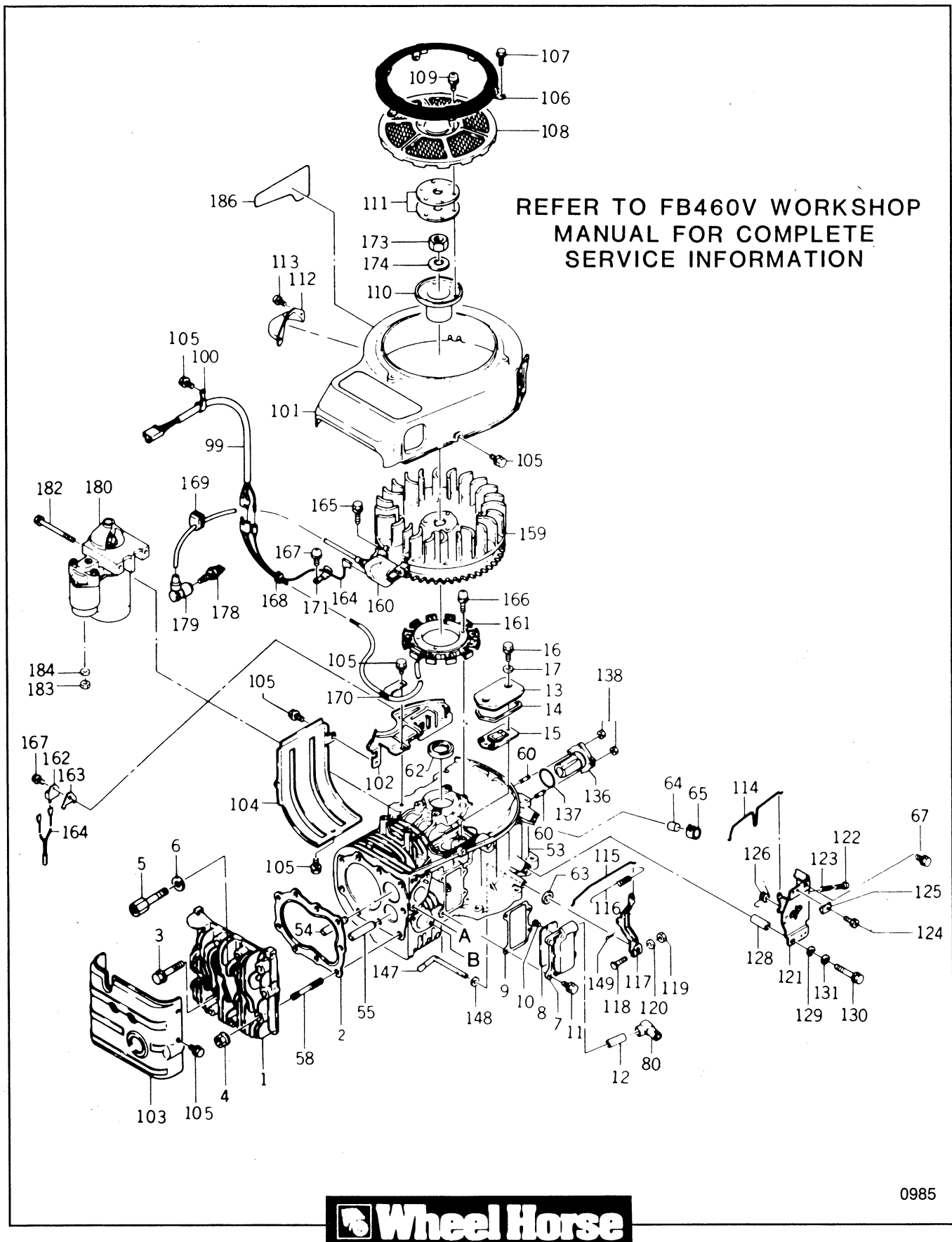


Figure 6-2 Kawasaki FB460V Type AS-13 Engine

SECTION 6 - ENGINE, FUEL & EXHAUST SYSTEMS

27

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-2 KAWASAKI FB460V TYPE AS-13 ENGINE			
1	11001-2076	Cylinder Head KW 10002	1
2	11004-2079	Head Gasket KW 10003	1
3	130G1055	Bolt 10x55	4
4	92015-2115	Nut 10mm	3
5	92002-2258	Bolt	2
6	410B1000	Washer	2
7	49108-2011	Valve Chamber Cover	1
8	14025-2143	Cover KW 10059	1
9	11009-2502	Gasket KW 10247	1
10	314405-3092A	Screw	2
11	130G0616	Flanged Bolt 6x16	4
12	92059-2142	Tube KW 10230	1
13	14025-2040	Cover	1
14	11009-2339	Gasket KW 10006	1
15	14069-2062	Breather KW 10062	1
16	315501-5381A	Bolt	2
17	312200-7415-02	Gasket KW 10104	2
53	49120-6024	Crankcase Complete (includes items 54 & 55)	1
54	49002-2070	Valve Guide - Internal KW 10145	1
55	49002-2071	Valve Guide - External KW 10146	1
58	92004-2082	Stud	3
60	92004-2083	Stud	4
62	92049-2096	Oil Seal KW 10226	1
63	92049-2097	Oil Seal KW 10227	1
64	92066-2096	Plug	1
65	317196-6812-00	Clamp	1
67	130B0610	Bolt 6x10 KW 10029	2
80	59071-2062	Joint KW 10176	1
99	26001-2113	Harness KW 10096	1
100	313646-8161-00	Clamp KW 10107	1
101	59066-2361-9H	Fan Housing KW 10175	1
102	59066-2295-9H	Fan Housing	1
103	49089-2181-9H	Shroud	1
104	49089-2199-9H	Shroud	1
105	130B0610	Bolt 6x10 KW 10029	11
106	55020-2071-9H	Guard KW 10165	1
107	130BO508	Bolt 5x8 KW 10026	1
108	14037-2104-9H	Screen KW 10061	3
109	224BO616	Screw 6x16 KW 10093	3
110	11043-2163	Bracket	1
111	92025-2003	Shim	X
112	14024-2028-9H	Cover KW 10057	1

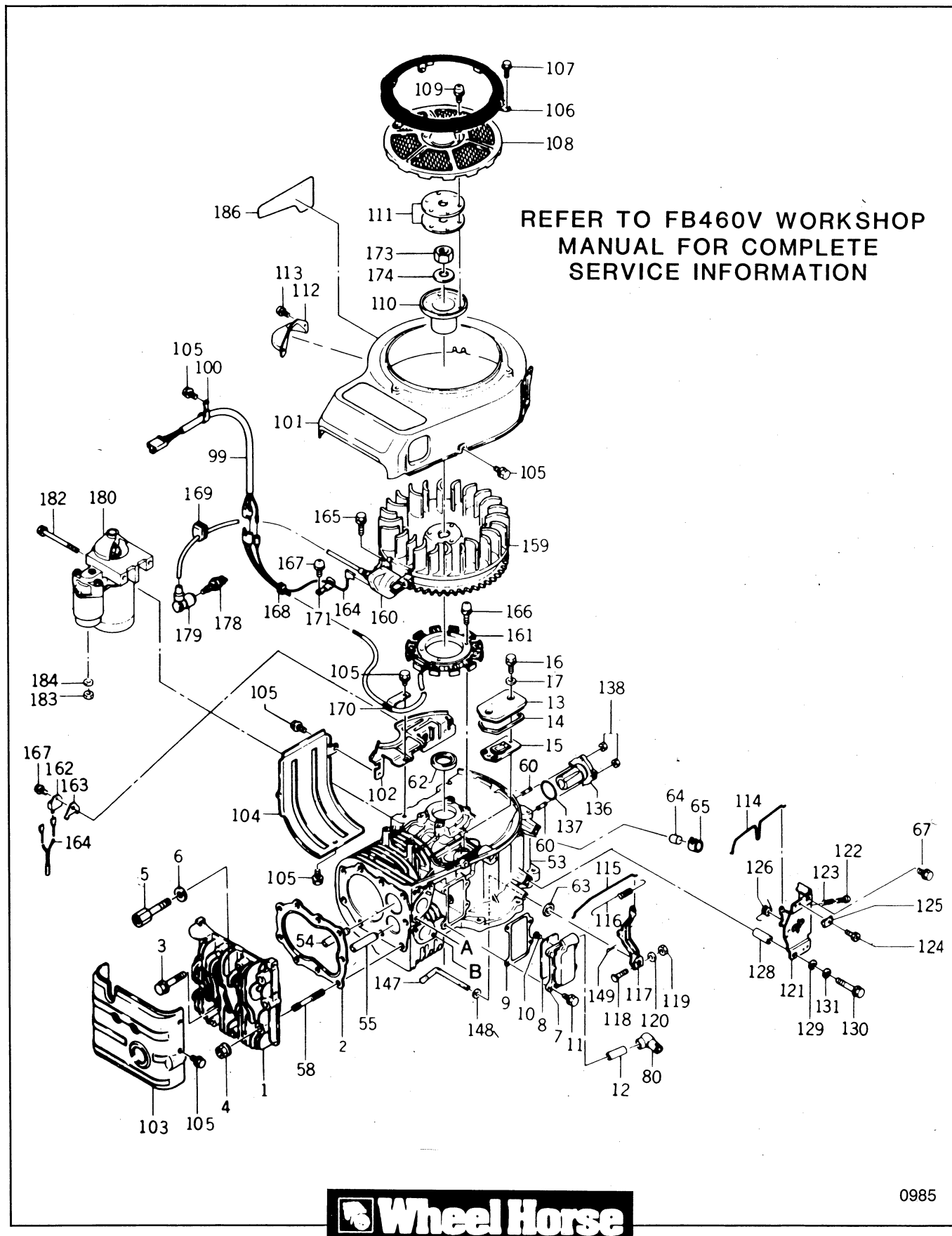
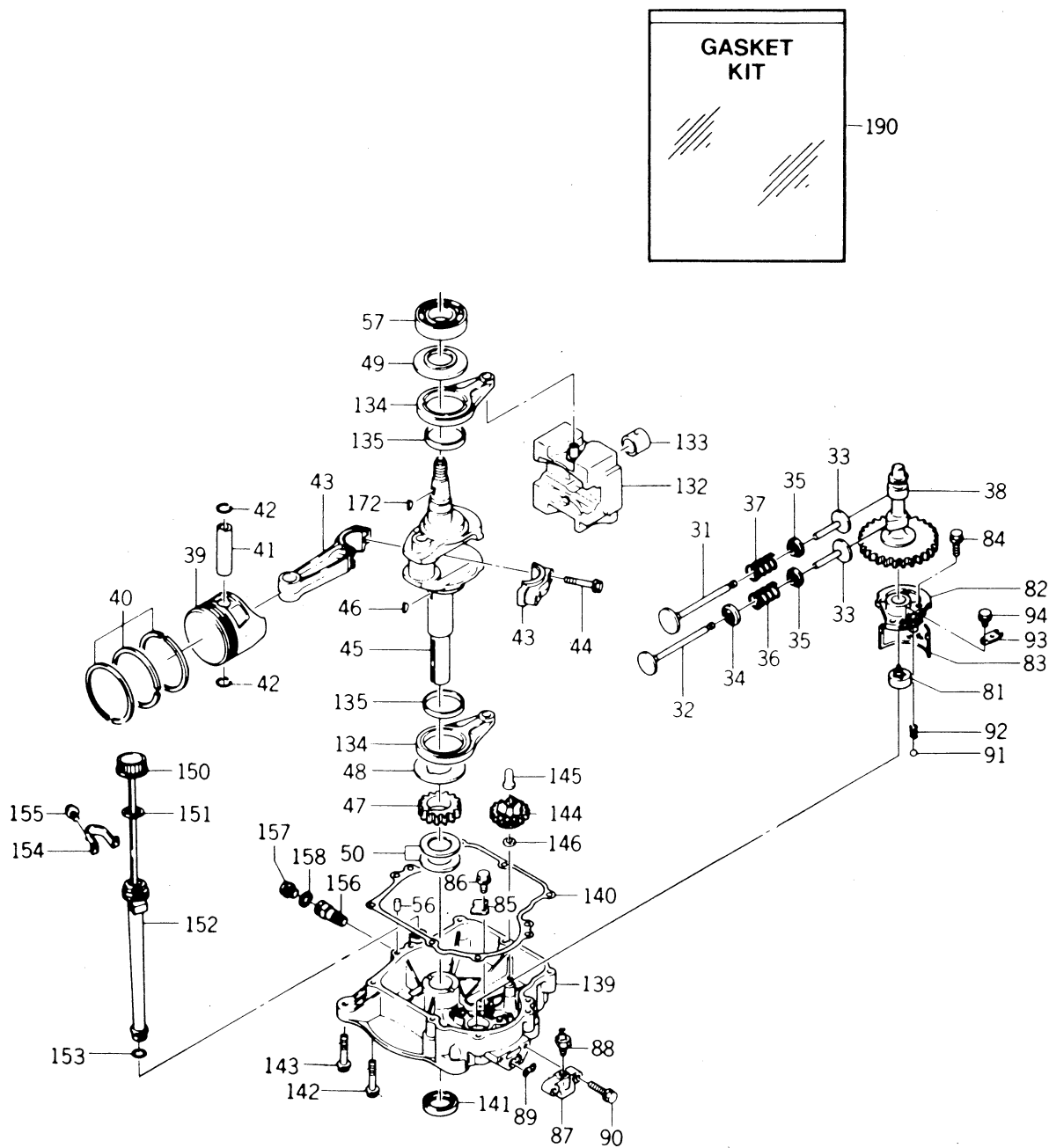


Figure 6-2 Kawasaki FB460V Type AS-13 Engine

SECTION 6 - ENGINE, FUEL & EXHAUST SYSTEMS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-2 KAWASAKI FB460V Type AS-13 ENGINE (CONT'D)			
113	234BO408	Screw 4x8 KW 10095	2
114	16169-2074	Choke Link KW 10079	1
115	16171-2001	Link KW 10080	1
116	92081-2213	Spring KW 10237	1
117	21187-2052	Governor Arm Complete KW 10089	1
118	92002-2269	Bolt	1
119	311BO600	Nut 6 mm KW 10101	1
120	411BO600	Washer	1
121	49113-2065	Control Panel Assy (includes items 122, 123, 124, 125 & 126) .. KW 10158	1
122	220BO425	Screw 4x25	1
123	314401-5321B	Spring	1
124	310701-1225A	Bolt	1
125	92037-2020	Clamp	1
126	92081-2316	Spring	1
128	92027-2071	Collar KW 10217	2
129	311509-3595-00	Nut 6mm	2
130	112BO650	Bolt 6x50 KW 10020	2
131	461FO600A	Spring Washer KW 10142	2
136	13107-2091	Shaft KW 10049	1
137	92055-2072	O-Ring KW 10229	1
138	92015-1193	Nut	4
147	39003-2062	Pivot Arm	1
148	410BO600	Washer KW 10137	1
149	554A0600	Snap Pin	1
159	21193-2001	Flywheel Complete KW 10090	1
160	21121-2008	Ignition Coil KW 10086	1
161	59031-2003	Charging Coil KW 10171	1
162	21119-2095	Igniter KW 10085	1
163	310702-8137A	Bracket	1
164	26011-2119	Lead Wire KW 10097	1
165	130BO525	Bolt 5x25 KW 10028	2
166	224BO620	Screw 6x20 KW 10094	4
167	234BO408	Screw 4x8 KW 10095	3
168	92071-2099	Grommet KW 10233	1
169	92071-2100	Grommet KW 10234	1
170	92037-2158	Ignition Coil	1
171	311901-8161A	Clamp	1
173	314G1800	Nut 18mm	1
174	92022-2178	Washer	1
178	92070-2072	Spark Plug KW 10001	1
180	21163-2070	Electric Starter Assy - see section 9-7 for parts breakdown KW 10088	1
182	92002-2278	Bolt KW 10191	2
183	317BO800	Nut 8 mm KW 10127	2
184	920008	Lockwasher 5/16	2



REFER TO FB460V WORKSHOP MANUAL
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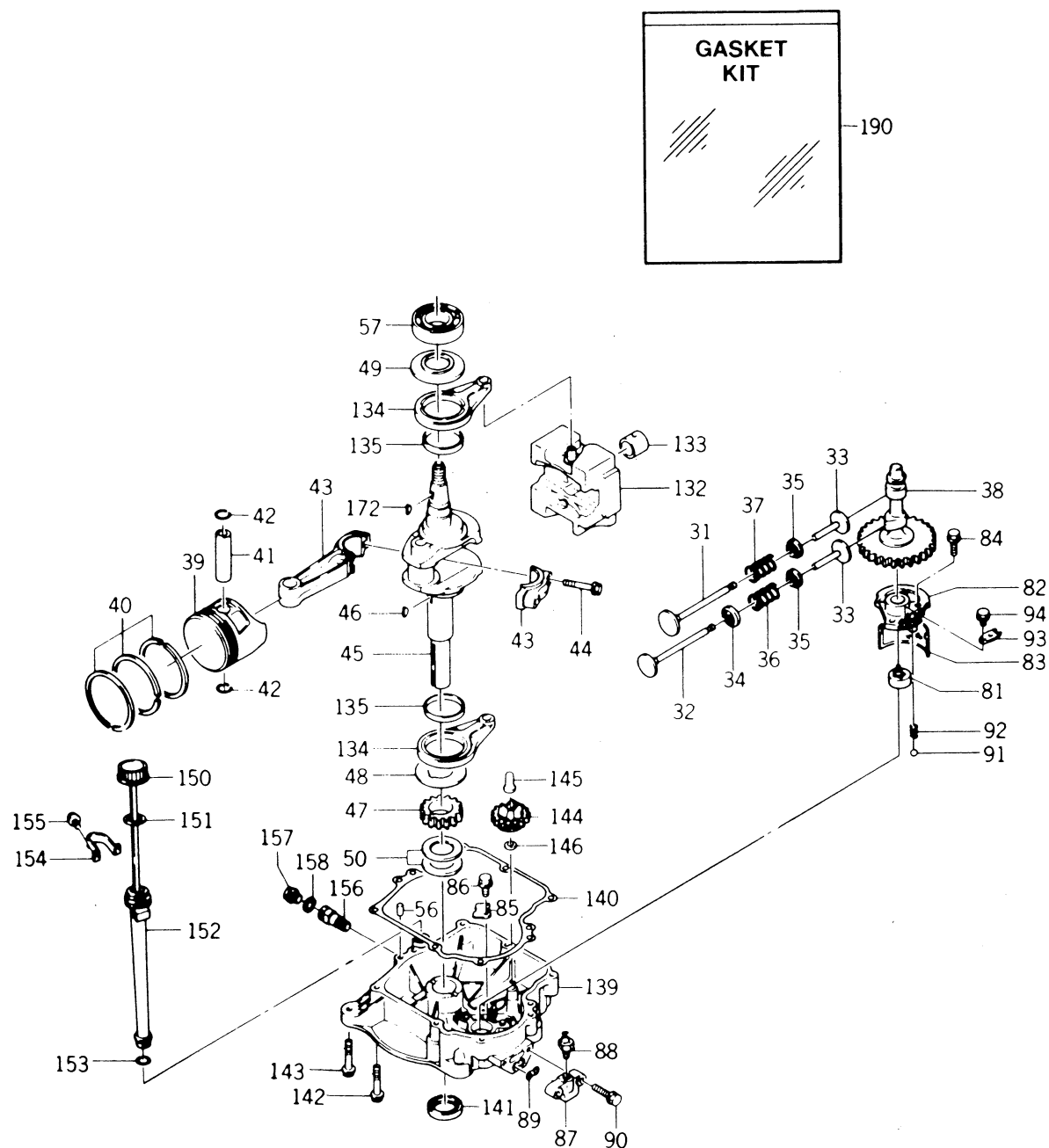
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Figure 6-3 Kawasaki FB460V Type AS-13 Engine

SECTION 6 - ENGINE, FUEL & EXHAUST SYSTEMS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-3 KAWASAKI FB460V TYPE AS-13 ENGINE			
31	12004-2076	Intake Valve KW 10021	1
32	12005-2066	Exhaust Valve KW 10022	1
33	12032-2058	Tappet KW 10023	2
34	12039-2052	Rotator KW 10024	1
35	39108-2054	Spring Retainer KW 10136	2
36	49078-2058	Valve Spring KW 10150	1
37	49078-2059	Valve Spring KW 10151	1
38	12044-2109	Cam Shaft	1
39	13001-2084	Piston - Standard KW 10037	1
	13029-2019	Piston - .010 Over Size KW 10044	X
	13029-2020	Piston - .020 Over Size	X
	13027-2001	Piston - .030 Over Size	X
40	13008-6001	Piston Ring Set - Standard KW 10039	1
	13008-6002	Piston Ring Set - .010 Over Size	X
	13008-6003	Piston Ring Set - .020 Over Size	X
	13008-6004	Piston Ring Set - .030 Over Size KW 10042	X
41	13002-2066	Piston Pin KW 10038	1
42	92033-2066	Snap Ring KW 10218	2
43	13251-6005	Connecting Rod Ass'y - Standard (includes item 44) KW 10054	1
	13251-6007	Connecting Rod Ass'y - .025mm Under Size (includes item 44)	1
44	315801-3245A	Connecting Rod Bolt KW 10123	2
45	49119-2115	Crankshaft Complete KW 10159	1
46	510A5100	Key KW 10163	1
47	59056-2018	Helical Gear	1
48	92026-2156	Spacer	1
49	92026-2164	Spacer	1
50	92025-2145	Shim - 1.18mm KW 10203	X
	92025-2146	Shim - 1.25mm KW 10204	X
	92025-2147	Shim - 1.32mm KW 10205	X
	92025-2148	Shim - 1.39mm KW 10206	X
	92025-2149	Shim - 1.46mm KW 10207	X
	92025-2150	Shim - 1.53mm KW 10208	X
	92025-2151	Shim - 1.60mm KW 10209	X
	92025-2152	Shim - 1.67mm KW 10210	X
	92025-2153	Shim - 1.74mm KW 10211	X
56	92043-2111	Dowel Pin	2
57	601A6207	Ball Bearing KW 10183	1
81	16142-2057	Oil Pump Assy	1
82	16142-6001	Pump Cover Complete	1
83	49065-2056	Oil Filter - Internal KW 10148	1
84	130GO825	Bolt 8x25 KW 10034	3
85	13169-2359	Plate	1
86	130GO508	Bolt 5x8	1
87	14025-2145	Cover KW 10060	1
88	317471-8620A	Oil Pressure Switch KW 10129	1
89	92055-2063	O-Ring KW 10228	1
90	130BO530	Bolt 8x30	2
91	600A1000	Steel Ball	1



REFER TO FB460V WORKSHOP MANUAL
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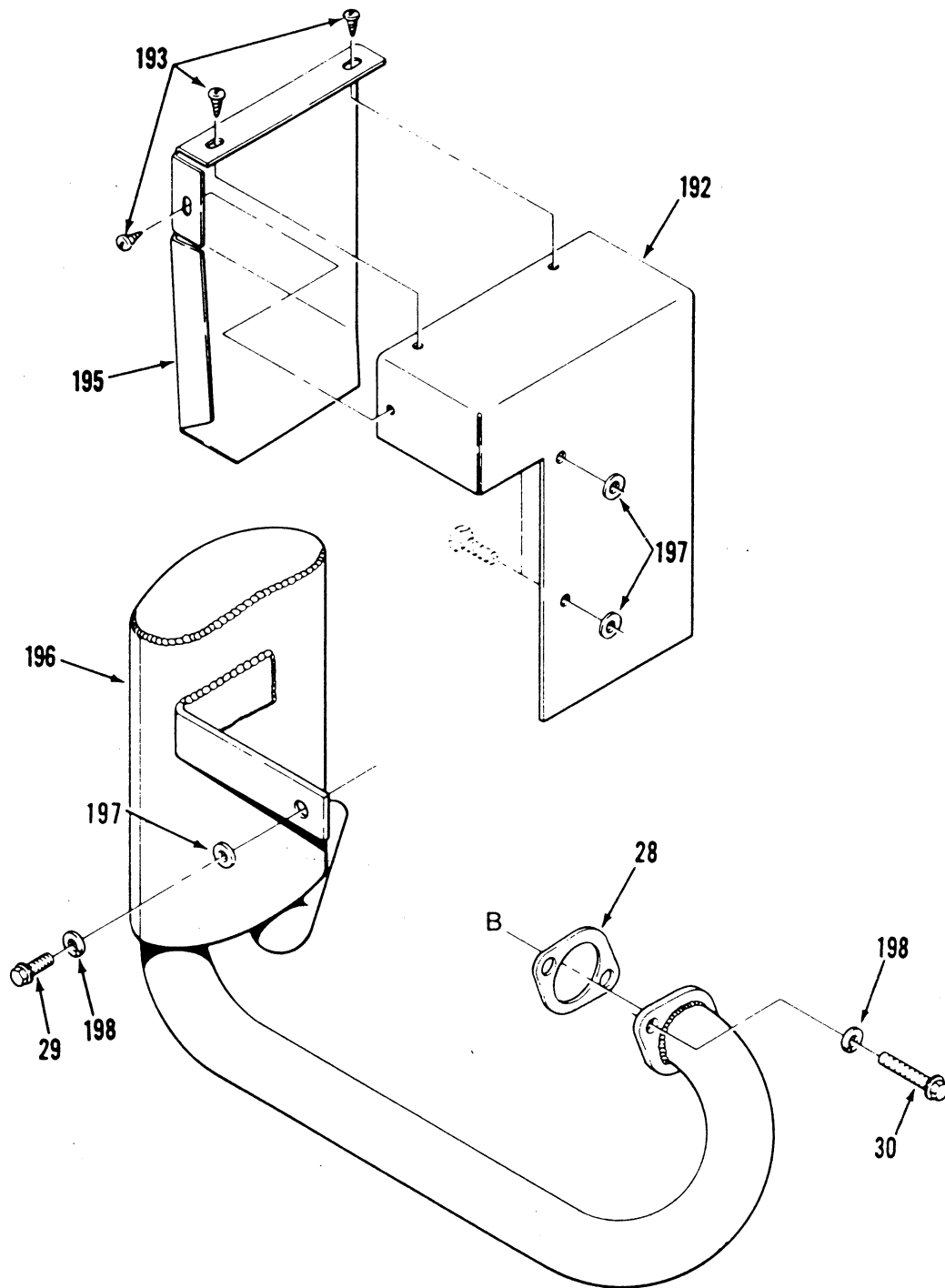
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Figure 6-3 Kawasaki FB460V Type AS-13 Engine

SECTION 6 - ENGINE, FUEL & EXHAUST SYSTEMS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-3 KAWASAKI FB460V TYPE AS-13 ENGINE (CONT'D)			
92	92081-2216	Spring	1
93	13169-2360	Plate	1
94	130BO610	Bolt 6x10 KW 10029	1
132	13042-6006	Weight Complete (includes item 133) KW 10046	1
133	92141-2007	Plain Bearing KW 10243	1
134	46102-6001	Rod Assy (includes item 135) KW 10144	2
135	92141-2094	Plane Bearing KW 10244	2
139	49015-6001	Crankcase Cover Complete KW 10147	2
140	11009-2337	Gasket KW 10004	1
141	92049-2104	Oil Seal KW 10225	1
142	130GO845	Bolt 8x45 KW 10035	8
143	130GO825	Bolt 8X25 KW 10034	4
144	49110-2067	Governor Assy KW 10157	1
145	42036-2060	Sleeve KW 10140	1
146	314401-5135A	Washer KW 10112	1
150	52005-2058	Gauge KW 10164	1
151	11009-2346	Gasket KW 10010	1
152	59231-2059	Filler KW 10181	1
153	670D2016	O-Ring KW 10184	1
154	92037-2160-9H	Clamp KW 10223	1
155	130BO508	Bolt 5X8 KW 10026	1
156	56071-2063	Joint KW 10177	1
157	92066-2092	Plug KW 10232	1
158	317370-7883-00	Gasket KW 10128	1
172	510A5100	Key KW 10163	1
190	11028-6001	Overhaul Gasket Set KW 10018	X



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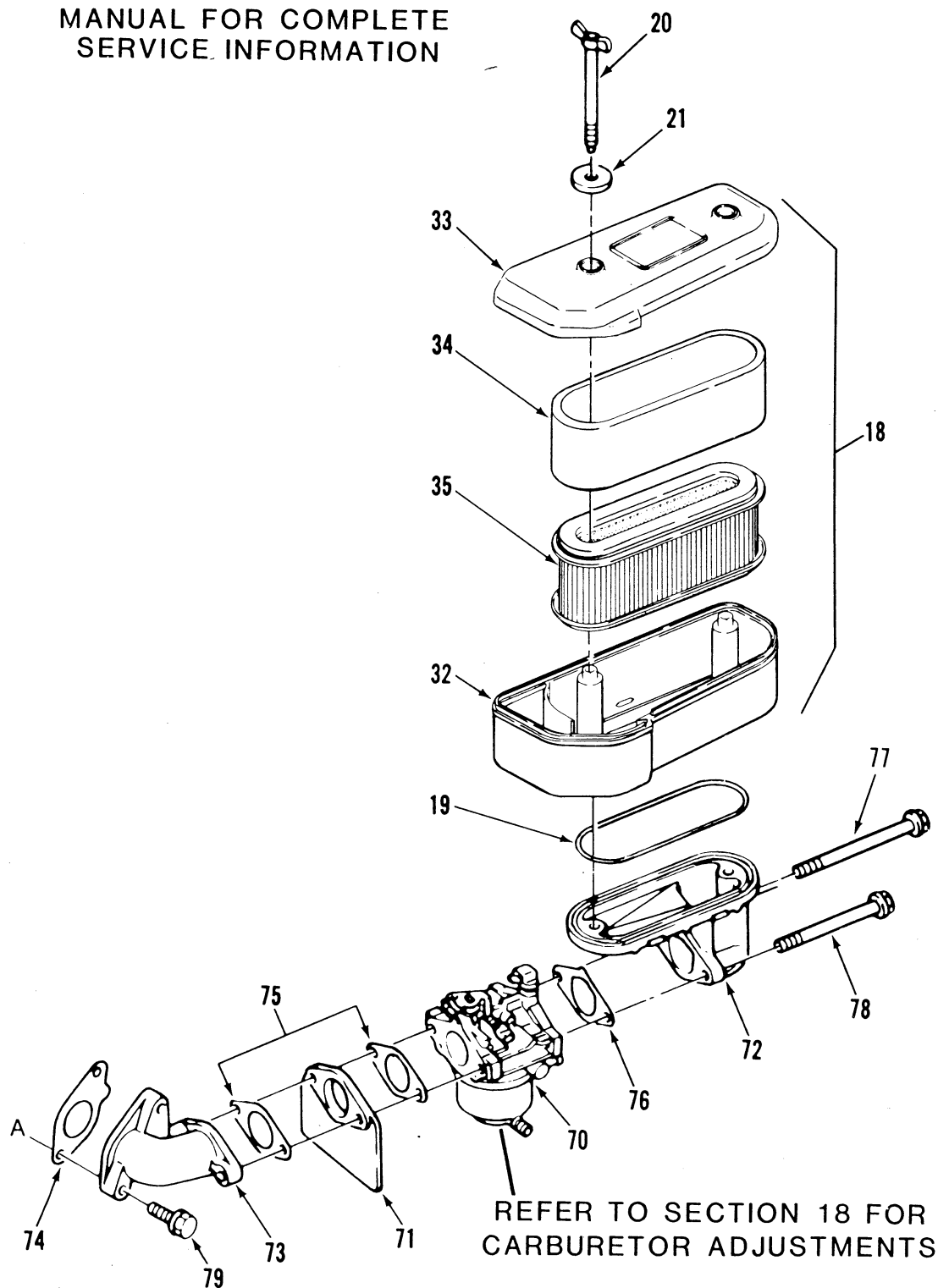
Figure 6-4 Kawasaki FB460V Type AS-13 Engine
Muffler & Exhaust

SECTION 6 - ENGINE, FUEL & EXHAUST SYSTEMS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-4 MUFFLER AND EXHAUST			
28	KW10011	Gasket	1
29	130GO812	Flanged Bolt 8x14 KW 10033	4
30	130GO845	Flanged Bolt 8x45 KW 10035	2
192	113436	Heat Shield	1
193	913406	Screw ≠ 8-32 x 3/8	3
195	113437	Heat Shield	1
196	113009	Muffler-Black	1
197	920008	Washer 5/16	3
198	920082	Lockwasher 5/16	3
	920007	Washer SAE 1/4 (not illus.)	2
	113113	HHCS M8 x 1.25 x 20 (not illus.)	2
	113114	HHCS M8 x 1.25 x 15 (not illus.)	1

REFER TO FB460V WORKSHOP
MANUAL FOR COMPLETE
SERVICE INFORMATION



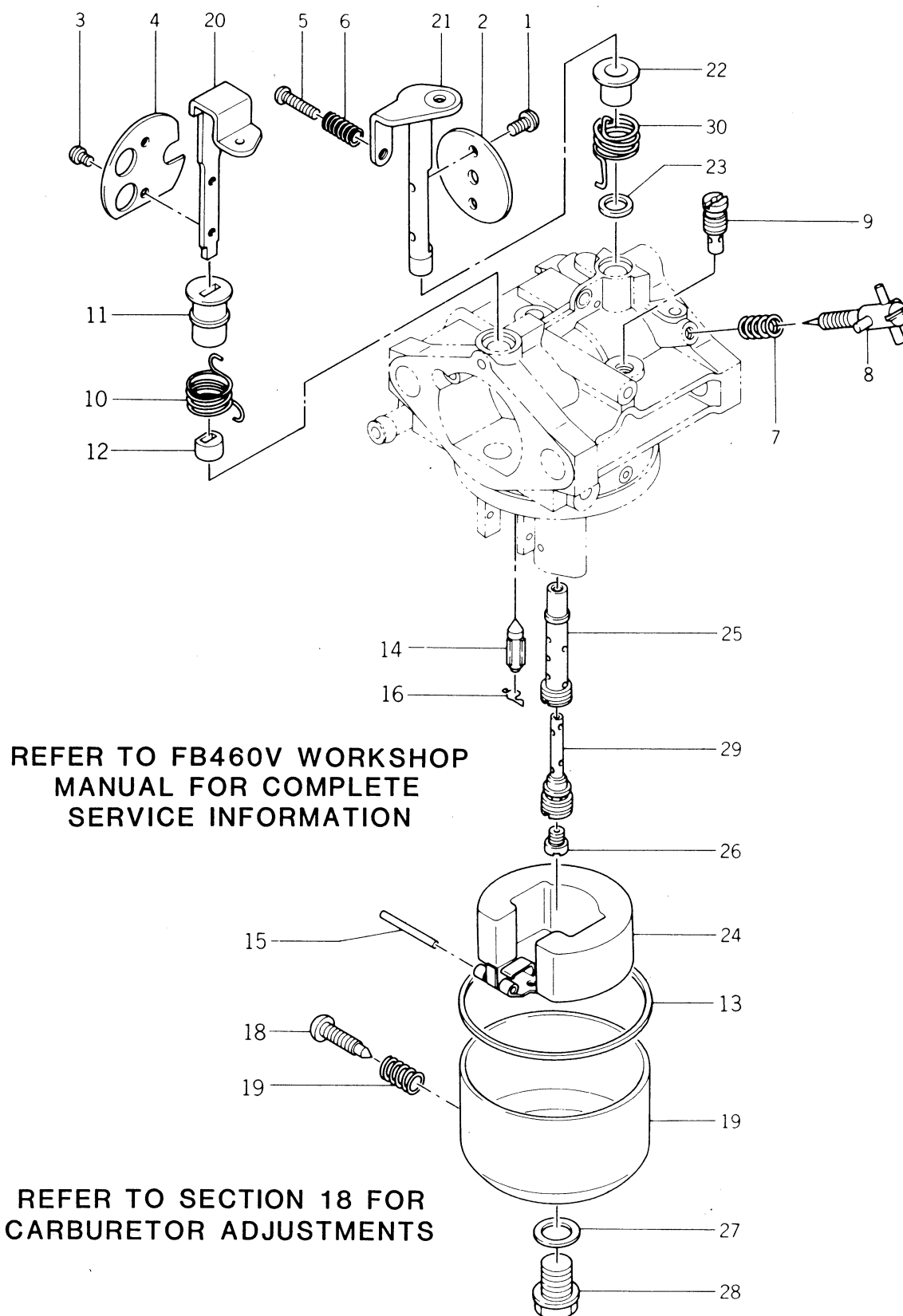
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Wheel Horse

Figure 6-5 Kawasaki FB460V Type AS-13 Engine
Air Filter & Carburetor

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-5			
AIR FILTER & CARBURETOR			
18	11010-2291	Air Filter Assy (includes items 32, 33, 34 & 35) KW 10013	1
19	11009-2443	Gasket KW 10012	1
20	92002-2230	Bolt KW 10185	2
21	92022-2220	Washer KW 10200	2
32	11011-2158	Air Filter Case	1
33	11012-2192	Air Filter Cap KW 10015	1
34	11013-2020	Air Filter Element - Foam KW 10016	1
35	11013-2021	Air Filter Element Pleated Paper KW 10017	1
70	15001-2661	Carburetor Assy - see section 9-6 for parts breakdown	1
71	16073-2091	Insulator KW 10072	1
72	16060-2108	Intake Manifold KW 10070	1
73	16060-2109	Intake Manifold KW 10071	1
74	11009-2342	Gasket KW 10007	1
75	11009-2343	Gasket KW 10008	2
76	11009-2344	Gasket KW 10009	1
77	92002-2254	Bolt KW 10187	1
78	92002-2253	Bolt KW 10186	1
79	130GO825	Bolt 8x25 KW 10034	2



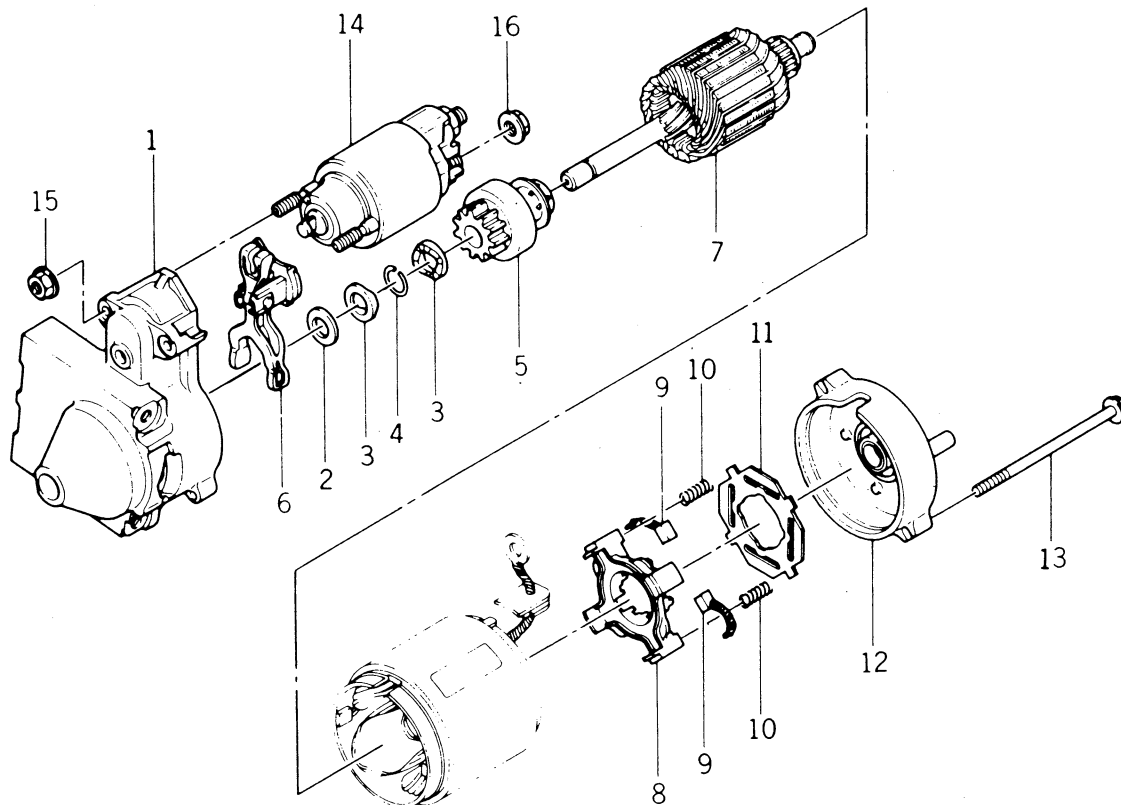
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Figure 6-6 Kawasaki FB460V Type AS-13 Engine Carburetor

SECTION 6 - ENGINE, FUEL & EXHAUST SYSTEMS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-6 CARBURETOR			
1	316550-6137A	Screw KW 10125	2
2	16025-2101	Throttle Valve	1
3	314572-6137A	Screw KW 10118	2
4	16126-2015	Choke Valve	1
5	92009-2079	Screw	1
6	313650-6108-00	Spring KW 10108	1
7	312750-6116-00	Spring KW 10105	1
8	16014-2055	Adjuster Screw KW 10064	1
9	316511-6112-00	Pilot Jet (≠ 65) KW 10130	1
10	92081-2078	Spring KW 10236	1
11	90227-2026	Ring	1
12	314598-6138A	Ring KW 10120	1
13	313650-6128-00	Gasket KW 10109	1
14	16030-2067	Needle valve Assy KW 10067	1
15	314499-6127A	Float Pin KW 10116	1
16	314595-6134A	Clip KW 10119	1
17	16020-2005	Float Chamber Assy (includes items 18 & 19) KW 10065	1
18	315470-6133A	Drain Screw KW 10111	1
19	313122-6116-00	Spring	1
20	16041-2010	Choke Shaft KW 10069	1
21	16041-2009	Throttle Shaft KW 10068	1
22	92027-2025	Ring KW 10215	1
23	316616-6206A	Seal	1
24	315801-6126A	Float KW 10124	1
25	49121-2077	Main Nozzle (≠ 6A) KW 10161	1
26	92063-2010	Main Jet (≠ 112.5) KW 10231	1
27	318190-6159-00	Washer KW 10131	1
28	314486-6143A	Bolt KW 10115	1
29	49123-2016	Main Jet Holder KW 10162	1
30	92081-2077	Spring KW 10235	1
31	99997-6001	Carburetor Gasket Set	X



**REFER TO FB460V WORKSHOP MANUAL
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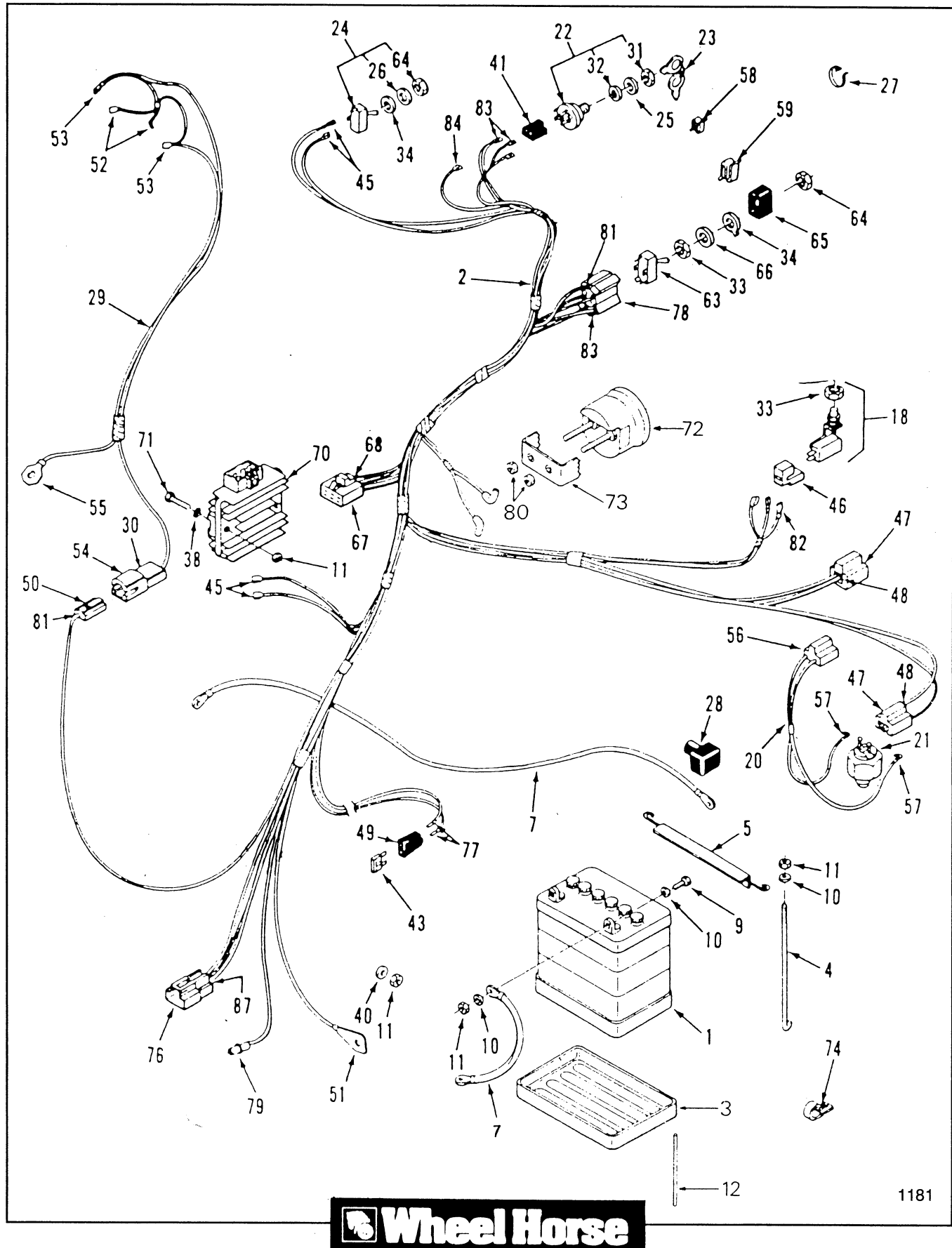
Figure 6-7 Kawasaki FB460V Type AS-13 Engine Electric Starter

SECTION 6 - ENGINE, FUEL & EXHAUST SYSTEMS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-7 ELECTRIC STARTER			
1	16146-2076	Cover Assy	1
2	92022-2218	Washer Assy	1
3	32085-2066	Stopper	2
4	92033-2081	Snap Ring	1
5	13081-2085	Clutch Assy KW 10047	1
6	13168-2131	Lever	1
7	21080-2054	Armature	1
8	13091-2068	Brush Holder	1
9	21039-2059	Brush KW 10081	4
10	21040-2052	Brush Spring KW 10082	4
11	16073-2098	Insulatory	1
12	16146-2077	Cover Assy	1
13	92002-2277	Bolt	2
14	27010-2122	Switch Assy KW 10098	1
15	92015-2146	Nut	2
16	92015-2147	Nut	1

SECTION 7 - ELECTRICAL SYSTEM



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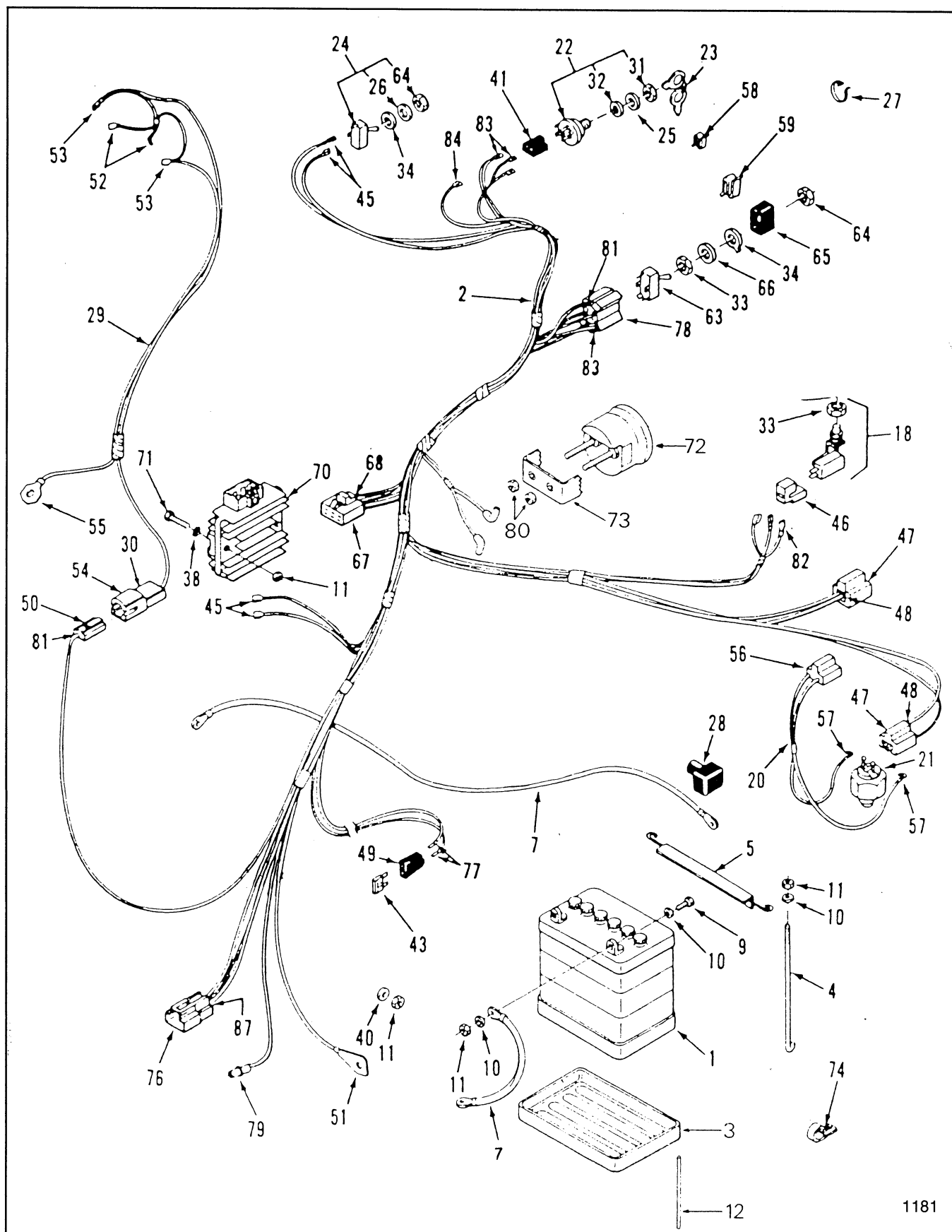
Figure 7-1 Electrical System

SECTION 7 - ELECTRICAL SYSTEM

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ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 7-1 ELECTRICAL SYSTEM	
1	104962	Battery - 24 amp hour	1
2	115166	Wiring Harness 212-H	1
	113718	Wiring Harness 5-spd	1
3	106948	Battery Tray	1
4	109547	Hook	2
5	113010	Battery Angle	1
7	111076	Wire (14")	2
9	908003	Bolt 1/4-20 x 3/4	2
10	920007	Washer 1/4 SAE	6
11	915111	Nut 1/4-20	5
12	114721	Battery Drain Tube	1
18	114240	Seat Switch	1
20	111364	Wiring Harness - Transmission Neutral Switch (not used on 212-H)	1
21	111365	Transmission Neutral Switch (not used on 212-H)	1
22	111215	Ignition Switch (Includes Items 31 & 32)	1
23	111220	Ignition Key (set of 2)	1
24	102138	Light Switch (includes items 33 & 34)	1
25	920262	Special Washer	1
26	920259	Special Washer	1
27	100571	Cable Tie	1
28	109553	Battery Terminal Cover	2
29	115393	Headlight Harness	1
31	101884	Switch Nut	1
32	920160	Internal Tooth Lockwasher	1
33	105805	Special Nut	2
34	102950	Tab Washer	2
38	920122	External Tooth Lockwasher 1/4	2
40	920081	Lockwasher 1/4	2
41	105302	5-Terminal Connector (part of item 2)	1
43	109355	15 amp ATO Fuse	1
	109102	25 Amp ATO Fuse	1
45	113088	Connector .250 x .032	2
46	111498	Connector Body (part of item 2)	1
47	109357	2-Terminal Connector (part of item 2)	2
48	113131	Long Male Terminal .250 x .052	1
49	113133	Fuse Holder	2

SECTION 7 - ELECTRICAL SYSTEM



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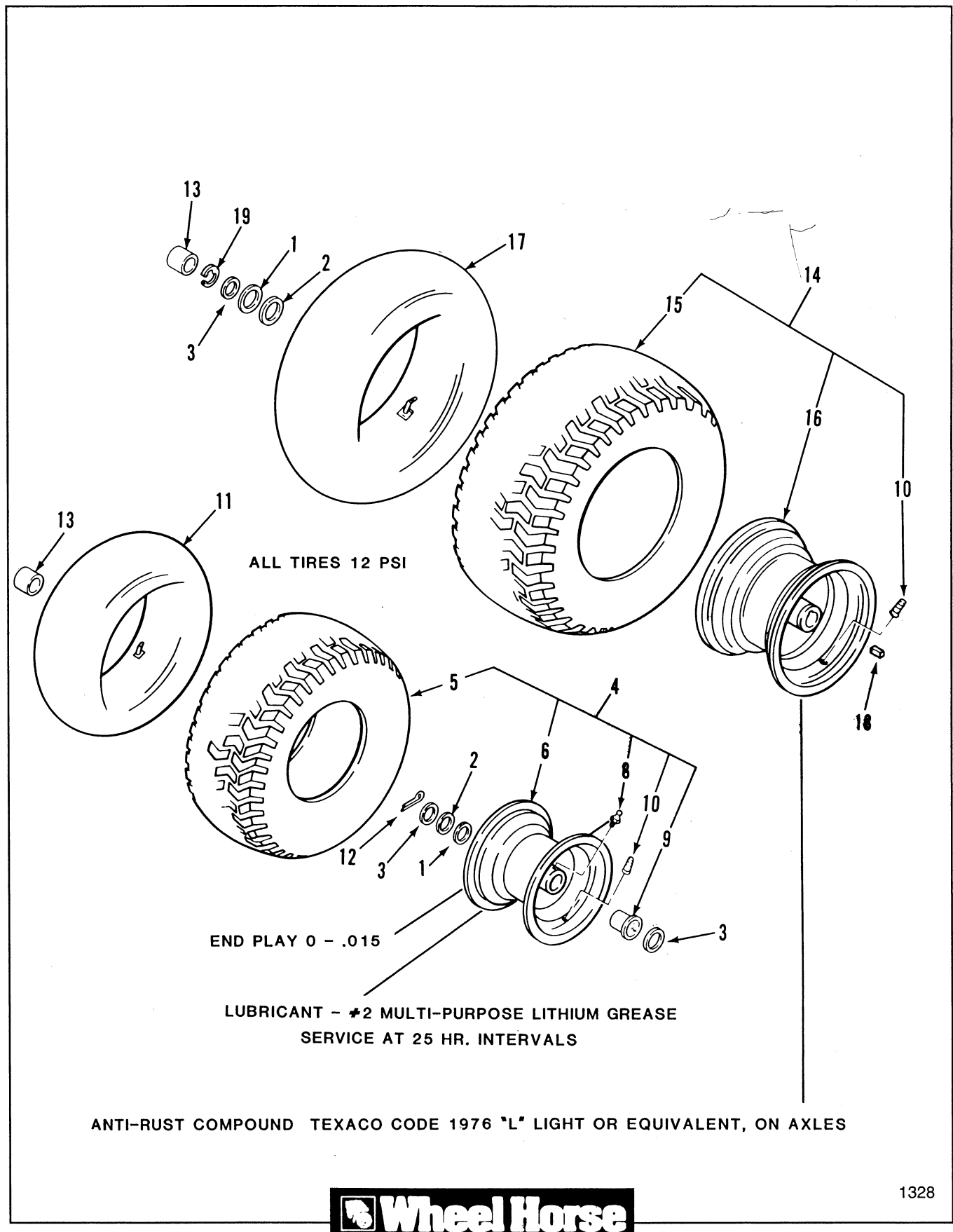
Figure 7-1 Electrical System

SECTION 7 - ELECTRICAL SYSTEM

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 7-1 ELECTRICAL SYSTEM (CONT'D)			
50	112192	Connector Body	2
51	113128	Ring Terminal	1
52	113206	Female Terminal. 250 (part of item 29)	2
53	113308	Female Dbl. Crimp Terminal (part of item 29)	2
54	105312	Long Male Spade Terminal (part of item 2 & 29)	4
55	113127	Ring Terminal 5/16 (part of item 29)	1
56	110459	Connector Body (part of item 20)	1
57	105306	Female Terminals (part of item 20)	2
58	8830	Clip	1
59	3023	Clip	6
63	113178	Electric Clutch Switch (includes items 33,34 & 64)	1
64	113179	Face Nut	2
65	113050	PTO Switch Cover	1
66	920242	Spacer	1
67	112192	Connector Body (part of item 2)	1
68	112360	Terminal (part of item 2)	1
70	KW10083	Voltage Regulator	1
71	960155	Whizlock Bolt 1/4-20 x 1/2	2
72	113469	Hourmeter Gauge (only used on 212-H)	1
73	114017	Gauge Mtg Bracket (only used on 212-H)	1
74	105490	Clamp	1
75	112364	Fuse Holder Mounting Clip 212-5	1
76	112362	3 Contact Lock Type Connector (part of 2)	1
77	113170	Fuse Holder Term	1
	113171	Fuse Holder Terminal	3
78	105303	5 Terminal Connector	1
79	518075	Socket Connector	1
80	915962	Nut (only used on 212-H)	2
81	113090	Tab Receptacle .250 x .030	1
82	113124	Tab Receptacle .187 x .020	3
83	113206	Tab Receptacle .250 x .032	4
84	113172	Tab Receptacle .250 x .035	1
87	113132	Long Male Terminal .248 x .032	3

SECTION 8 - WHEELS AND TIRES



1328

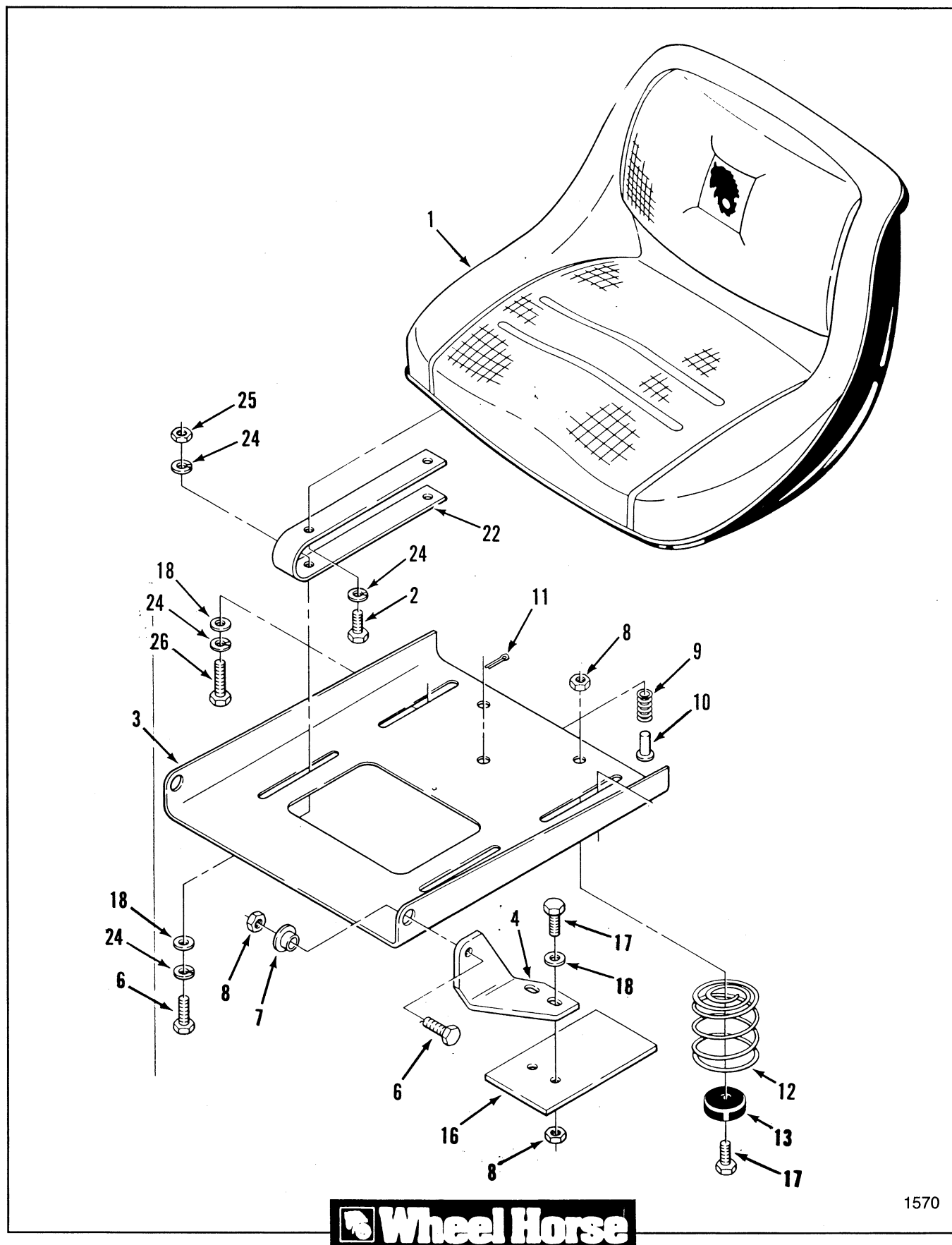
Figure 8-1 Wheels and Tires

SECTION 8 - WHEELS AND TIRES

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 8-1 WHEELS AND TIRES			
1	5210	Shim Washer .015 / see item 23 for 212-H rear tyres only	X
2	1278	Shim Washer .050 / see item 22 for 212-H rear tyres only	X
3	109262	Special Washer Hubcap 1 5/16 OD	4
4	114015	Front Wheel and Tire 15 x 6.00-6 (includes items 6, 8, 9 & 10) 212-5	2
	113395	Front Wheel & Tire 212-5SB	2
5	8119	Front Tire 15 x 6.00-6	2
6	114014	Front Wheel Assy (includes Wheel w/items 8, 9 & 10) 5 spd	2
	113390	Front Wheel Assy (includes Wheel w/items 8,9 & 10) 212 H	2
	113394	Front Wheel 212-5SB	2
8	109500	Grease Fitting	2
9	113342	Bearing	2
10	5108	Valve Stem	4
11	100079	Front Tube - Service Only	X
12	932026	Cotter Pin 5/32 x 1-1/4	2
13	109261	Hubcap - Black - Front (not used on 212-H)	2
	109154	Hubcap - Black - Rear (not used on 212-H)	2
14	112187	Rear Wheel and Tire 18 x 9.50-8 212-5	2
	115731	Rear Wheel and Tire 212-5SB	2
	114022	Rear Wheel and Tire 212-H	2
15	105451	Rear Tire 212-5	2
	9792	Rear Tire 212-5SB	2
16	112188	Rear Wheel	2
	115732	Rear Wheel 212-5 SB	2
17	105450	Rear Tube - Service Only	X
18	1120	Square Key 3/16 x 1 3/4 212-5SB/212-5 see item 20 for 212-H rear tyres only	2
19	104636	E-Ring (not used on 212-H) / see item 21 for 212-H rear tyres only	2
	2590	Straight Key 212-H (not illus.)	2
	7939	Snap Ring 212-H (not illus.)	2
	920251	Washer 1 1/2 x .05 212-H (not illus.)	4
	920252	Washer 1 1/2 x .015 212-H (not illus.)	2

SECTION 9 - SEAT AND DECALS



1570



Figure 9-1 Seat & Suspension

SECTION 9 - SEAT AND DECALS

49

ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 9-1 SEAT AND SUSPENSION	
1	113986	Seat 212-5	1
	114894	Seat 212-5SB 212-H = 113986	1
2	908017	Bolt 5/16-18 x 3/4	4
3	113852	Seat Pivot Plate	1
4	112744	RH Pivot Bracket	1
	112745	LH Pivot Bracket	1
6	908018	Bolt 5/16-18 x 7/8	4
7	105503	Bushing	2
8	915662	E.S. Hex Nut 5/16-18	6
9	114267	Spring	2
10	106449	Pin	2
11	932008	Cotter Pin 3/32 x 3/4	2
12	114268	Spring-Lifter	2
	114269	Spring-Lifter 212-5 SB	2
13	108889	Bumper	2
16	112961	Plate	2
17	908019	Bolt 5/16-18 x 1	4
18	920008	Washer 5/16 SAE	6
22	112837	Seat Spring	2
24	920082	Lockwasher 5/16	4
25	915112	Hex Nut 5/16-18	4
26	908020	Bolt 5/16-18 x 1-1/4	2
	114496	Nylon Spring - Not illustrated	2
	144497	Nylon Spring 212-5 SB - Not illustrated	2
	900214	Bolt 5/16-18 x 3/4 - Not illustrated	4
	920155	Lock Washer 5/16 - Not illustrated	4

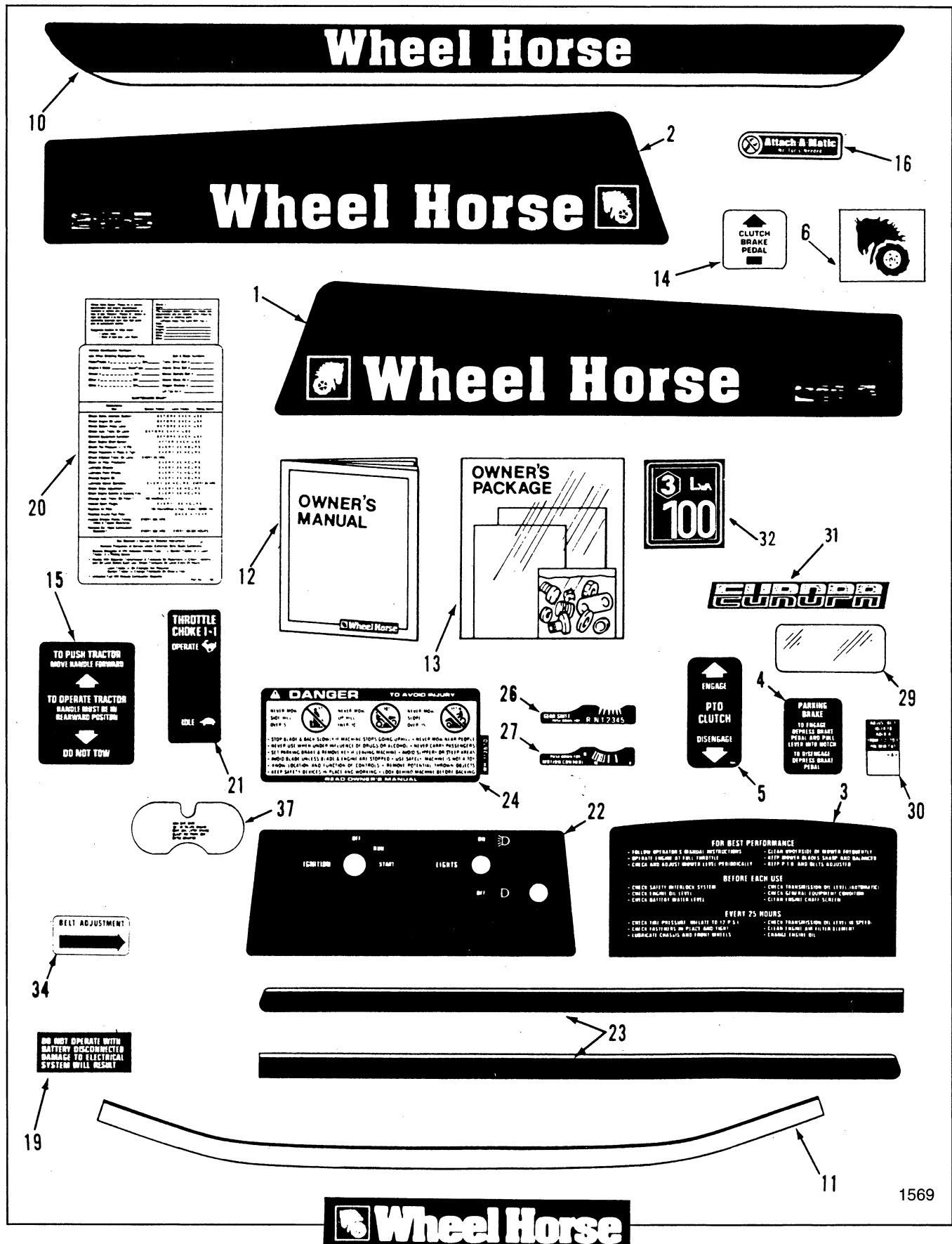


Figure 9-2 Decals, Miscellaneous

SECTION 9 - SEAT AND DECALS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 9-2 DECALS, MISCELLANEOUS	
1	115178	Decal - Hood RH 212-H	1
	115038	Decal - Hood RH 212-5SB	1
	114922	Decal - Hood RH 212-5	1
	116588	Decal - Hood RH TORO 212-H	1
	116598	Decal - Hood RH TORO 212-5 SB	1
	116593	Decal - Hood RH TORO 212-5	1
2	115177	Decal - Hood LH 212-H	1
	115039	Decal - Hood LH 212-5SB	1
	114923	Decal - Hood LH 212-5	1
	116589	Decal - Hood LH TORO 212-H	1
	116597	Decal - Hood LH TOTO 212-5 SB	1
	116594	Decal - Hood LH TORO 212-5	1
3	114927	Decal - Rear Hood	1
	88158	Decal - Rear Hood German	1
	88106	Decal - Rear Hood French	1
	88107	Decal - Rear Hood Dutch	1
4	111327	Decal - Parking Brake	1
	88129	Decal - Parking Brake German	1
	88130	Decal - Parking Brake French	1
	88131	Decal - Parking Brake Dutch	1
5	112845	Decal - PTO Clutch	1
	88136	Decal - PTO Clutch Symbol	1
6	116640	Decal - Horse Head	1
10	114925	Decal - Rear Fender	1
	116549	Decal - Rear Fender TORO	1
11	111699	Decal - Front Hood	1
	116587	Decal - Front Hood TORO	1
12		Owner's Manuel-Tractor	X
13	807199	New Tractor Loose Parts Package 212-5 SB	1
	807200	New Tractor Loose Parts Package 212-5	1
	807201	New Tractor Loose Parts Package 212-H	1
14	111632	Decal - Clutch & Brake (not used on 212-H)	1
	79242	Decal - Clutch & Brake German	1
	79234	Decal - Clutch & Brake French	1
	88124	Decal - Clutch & Brake Dutch	1
15	114442	Decal - Push 212-H	1
	88061	Decal - Push German	1
	88058	Decal - Push French	1
	88062	Decal - Push Dutch	1
16	115196	Decal - Attach-a-Matic	1
	88160	Decal - Attach-a-Matic German	1
	88161	Decal - Attach-a-Matic French	1
	88162	Decal - Attach-a-Matic Dutch	1
19	111926	Decal - Electrical System	1
	88121	Decal - Electrical System German	1
	88122	Decal - Electric System French	1
	88123	Decal - Electric System Dutch	1

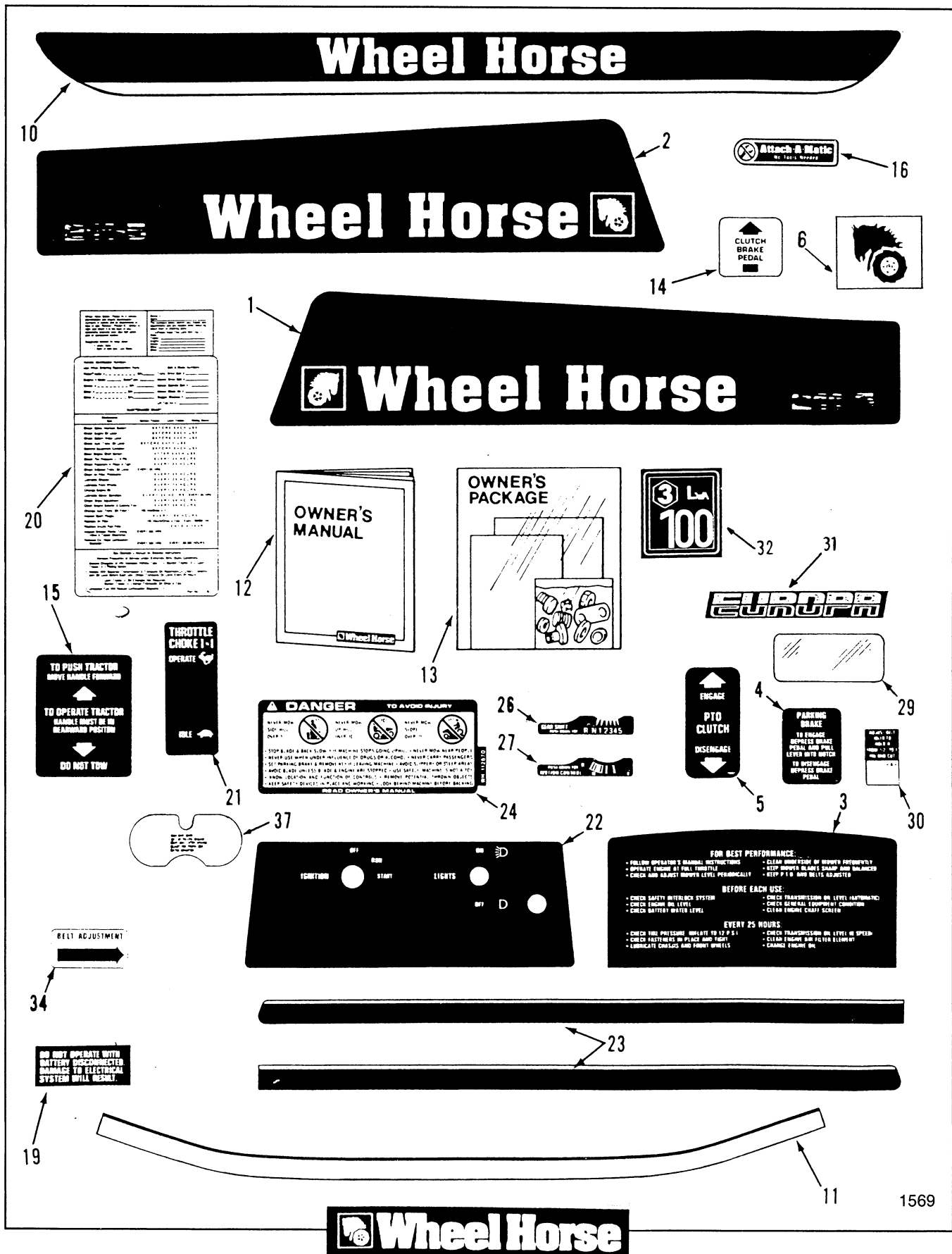


Figure 9-2 Decals, Miscellaneous

SECTION 9 - SEAT AND DECALS

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 9-2 DECALS, MISCELLANEOUS (CONT'D)			
20	115398	Decal - Maintenance	1
	88064	Decal - Maintenance German	1
	88063	Decal - Maintenance French	1
	88065	Decal - Maintenance Dutch	1
21	111706	Decal - Throttle	1
	88096	Decal - Throttle Symbol	1
22	112924	Decal - Back Plate	1
	88133	Decal - Back Plate Symbol	1
23	112384	Decal - Hood Stripe RH	1
	112385	Decal - Hood Stripe LH	1
24	112670	Decal - Danger	1
	88093	Decal - Danger German	1
	88094	Decal - Danger French	1
	88095	Decal - Danger Dutch	1
26	114944	Decal - Shift 5 Speed	1
	88099	Decal - Shift 5-Speed Symbol	1
27	114051	Decal - Shift Auto	1
	88139	Decal - Shift Auto Symbol	1
29	112403	Decal - VIN Overlay	1
30	113370	Decal - PTO Adjustment	1
	88102	Decal - PTO Adjustment German	1
	88103	Decal - PTO Adjustment French	1
	88104	Decal - PTO Adjustment Dutch	1
31	111342	Decal - Europa	2
32	114621	Decal - Europe Noise	1
34	112161	Decal - Belt Adjustment 212-5SB	1
	88059	Decal - Belt Adjustment German	1
	88060	Decal - Belt Adjustment French	1
	88057	Decal - Belt Adjustment Dutch	1
37	114297	Decal - Seat Lifter	1
	88111	Decal - Seat Lifter German	1
	88112	Decal - Seat Lifter French	1
	88113	Decal - Seat Lifter Dutch	1

SECTION 10 - 30" MOWER DECK

SEE SECTION 18 FOR ADJUSTMENT PROCEDURES

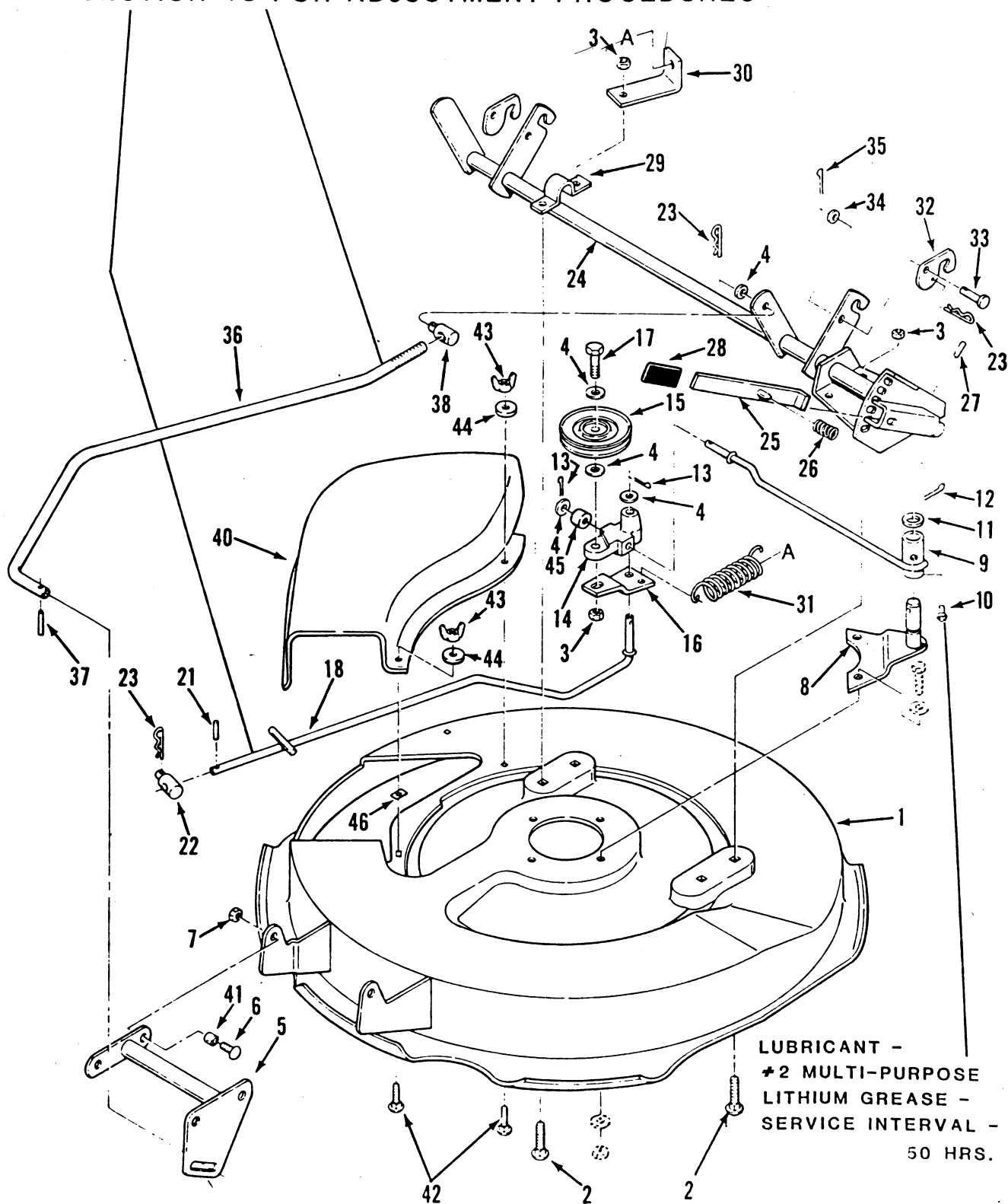


Figure 10-1 30" Mower Deck

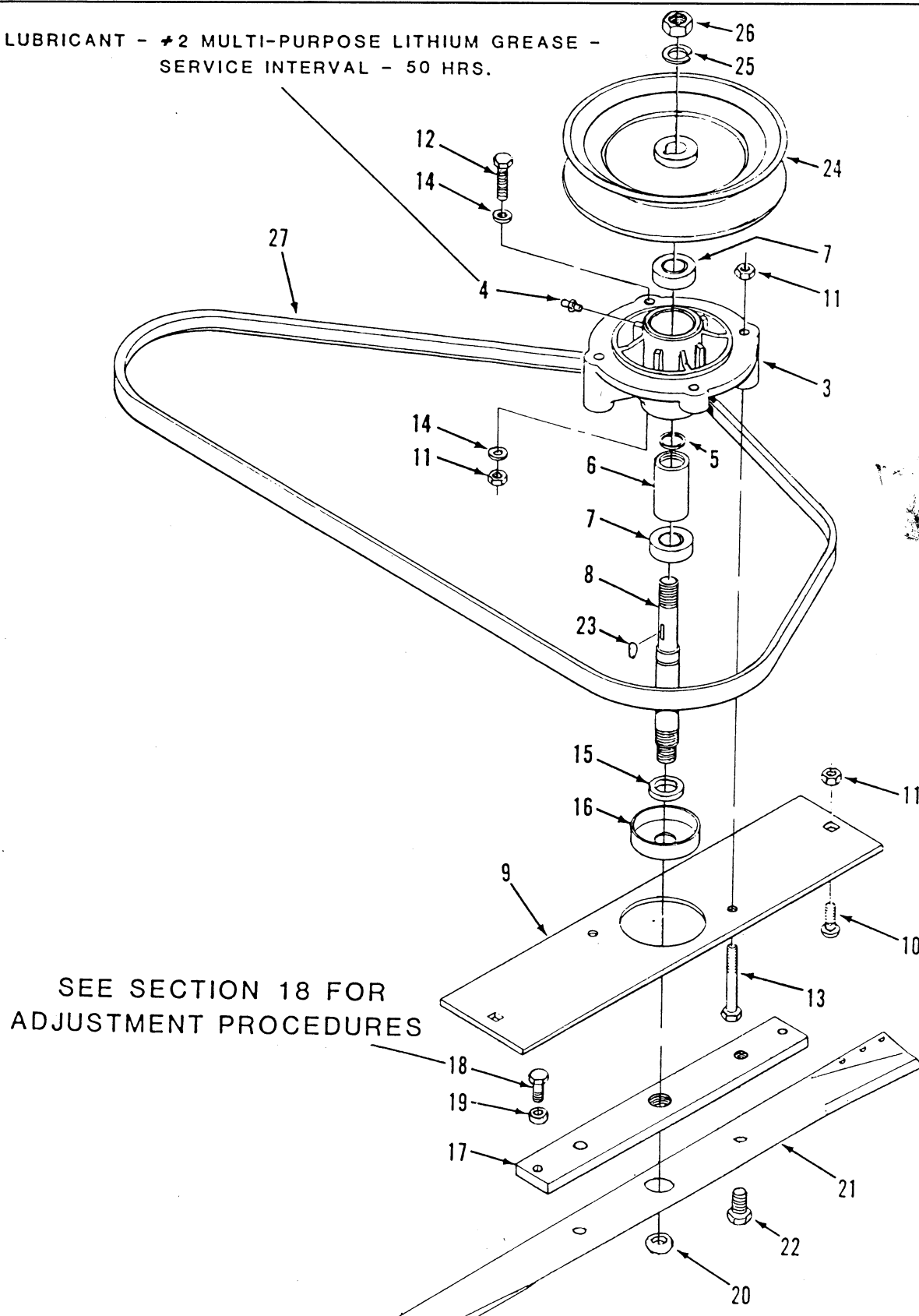
SECTION 10 - 30" MOWER DECK

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ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 10-1 30" MOWER DECK (212-5SB)			
1	113290	30" Mower Deck	1
2	900063	Carriage Bolt 3/8-16 x 1	4
3	915663	E.S. Nut 3/8-16	5
4	920009	Washer 3/8 SAE	7
5	114837	Lift Arm Assy	1
6	900234	Carriage Bolt 3/8-16 x 1	2
7	102809	Flange Locknut	2
8	113296	Idler Pivot	1
9	113315	Idler Arm	1
10	1030	Grease Fitting	1
11	920232	Washer	1
12	932018	Cotter Pin 1/8 x 1-1/4	1
13	932016	Cotter Pin 1/8 x 3/4	2
14	111560	Idler Block	1
15	113112	V-Idler Pulley	1
16	113293	Spring Anchor	1
17	908038	Bolt 3/8-16 x 2	1
18	113298	Idler Rod	1
21	933152	Roll Pin 1/8 x 3/4	1
22	6739	Lift Stud	1
23	933505	Hairpin Cotter	4
24	113314	Height Adjust Assy	1
25	110418	Lever	1
26	101853	Compression Spring	1
27	933184	Pin	1
28	102597	Grip	1
29	110841	Clamp	1
30	113287	Spring Anchor	1
31	100071	Extension Spring (5")	1
32	111569	Latch	2
33	932960	Clevis Pin 3/8 x 5/8	2
34	920237	Special Washer	2
35	932008	Cotter Pin 3/32 x 3/4	2
36	113289	Height Adjustment Rod	1
37	933268	Spirol Pin	1
38	7736	Stud Trunnion	1
40	115205	Mower Deflector	1
41	102704	Spacer	4
42	900015	Carriage Bolt 1/4-20 x 3/4	3
43	MW8756	Wing Nut	3
44	103995	Washer 1-1/4 O.D.	3
45	102704	Spacer	2
46	106535	Speed Nut	3

SECTION 10 - 30" MOWER DECK SPINDLE

LUBRICANT - #2 MULTI-PURPOSE LITHIUM GREASE -
SERVICE INTERVAL - 50 HRS.



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Figure 10-2 30" Mower Deck Spindle

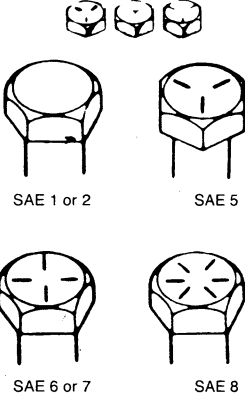
SECTION 10 - 30" MOWER DECK SPINDLE

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ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 10-2	
		30" MOWER DECK SPINDLE	
	111541	Spindle Assy (includes items 3 thru 8)	1
3	111544	Spindle Housing	1
4	3796	Grease Fitting	1
5	936321	Snap Ring	1
6	111543	Tube	1
7	111135	Ball Bearing	2
8	111542	Spindle Shaft	1
9	111545	Bar	1
10	900063	Carriage Bolt 3/8-16 x 1	2
11	915663	E.S. Nut 3/8-16	6
12	908037	Bolt 3/8-16 x 1-3/4	2
13	908041	Bolt 3/8-16 x 2-3/4	2
14	920009	Washer 3/8 SAE	9
15	106068	Blade Spacer	1
16	106067	Spindle Cup	1
17	113309	Blade Bar	1
18	908033	Bolt 3/8-16 x 7/8	2
19	109779	Jam Nut	2
20	9150894*	Jam Nut	1
21	111144	Blade	1
22	911440	Bolt 1/2-13 x 3/4	2
23	937225	Hi-Pro Key	1
24	111546	Pulley	1
25	920087	Lockwasher 5/8	1
26	9150064*	Nut 5/8-18	1
27	114421	V-Belt (52.6")	1

* Indicates free running nut. DO NOT use locking type nut.

TORQUE SPECIFICATIONS

BOLT HEAD MARKINGS	BOLT BODY SIZE In - Thread	SAE GRADE 1 or 2		SAE GRADE 5		SAE GRADE 6 or 7		SAE GRADE 8	
		Torque		Torque		Torque		Torque	
		Ft-Lb	Nm	Ft-Lb	Nm	FT-Lb	Nm	Ft-Lb	Nm
Manufacturer's marks may vary. Three-line markings on heads shown below, for example, indicate SAE Grade 5  SAE 1 or 2 SAE 5 SAE 6 or 7 SAE 8	1/4-20 -28	5 6	6.8 8.1	8 10	10.8 13.6	10	13.6	12 14	16.2 19.0
	5/16-18 -24	11 13	15.0 17.6	17 19	23.0 25.8	19	25.8	24 27	32.5 36.6
	3/8-16 -24	18 20	24.4 27.1	31 35	42.0 47.5	34	46.1	44 49	59.7 66.4
	7/16-14 -20	28 30	38.0 40.7	49 55	66.4 74.6	55	74.6	70 78	95.0 105.8
	1/2-13 -20	39 41	52.9 55.6	75 85	101.7 115.2	85	115.2	105 120	142.4 162.7
	9/16-12 -18	51 55	69.1 74.6	110 120	149.1 162.7	120	162.7	155 170	210.1 230.5
	5/8-11 -18	83 95	112.5 128.8	150 170	203.3 230.5	167	226.4	210 240	284.7 325.4
	3/4-10 -16	105 115	142.4 155.9	270 295	366.1 400.0	280	379.6	375 420	508.4 569.4
	7/8- 9 -14	160 175	216.9 237.3	395 435	535.5 589.8	440	596.6	605 675	820.3 915.2
	1- 8 -14	235 250	318.7 339.0	590 660	799.9 894.8	660	894.8	910 990	1233.8 1342.2

FUEL LINE

50' bulk fuel line ID .250 x OD .550 - ≠ 112570

FASTENERS

- All hex bolts GRADE 5 minimum, GRADE 8 used as noted.
- All carriage bolts GRADE 1 unless otherwise noted.
- In place of ESLOK or E.S. nuts, use LOCTITE or lock washers with free running nuts.

PAINT

Red Enamel — 6 cans, order ≠ 8-0311
 Red Enamel — Quart can ≠ 5340 (Non-aerosol)*
 Beige Enamel — 6 cans, order ≠ 8-0321
 Black Enamel — 6 cans, order ≠ 8-0334
 Pewter metallic Enamel — 6 cans, order ≠ 8-0335
 (Automotive Equivalent: 1971 Lincoln-Mercury Pewter Metallic)
 White Enamel — 6 cans, order ≠ 8-0336
 Pewter Gray Enamel — 6 cans, order ≠ 8-0337
 (Automotive Equivalent: 1982 Lincoln Light Pewter)
 Silver Metallic Enamel — 6 cans, order ≠ 8-0338
 Pewter Gray Enamel — Quart can ≠ 5347 (Non-aerosol)**
 * Thinning — use zylol (slow drying time) or toluol (fast drying time)
 ** Thin with zylol

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Wheel Horse