

899298 N

Parts & Service Manual

**1989 200-SERIES
B-CHASSIS**

E2-17K502/R2-17K501 227-5-spd



INTRODUCTION PAGE

1. How to use this parts manual

- 1.1. The 100-Series 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

When function, use or location is known:
Refer to the List of Illustrations to locate the proper illustration.

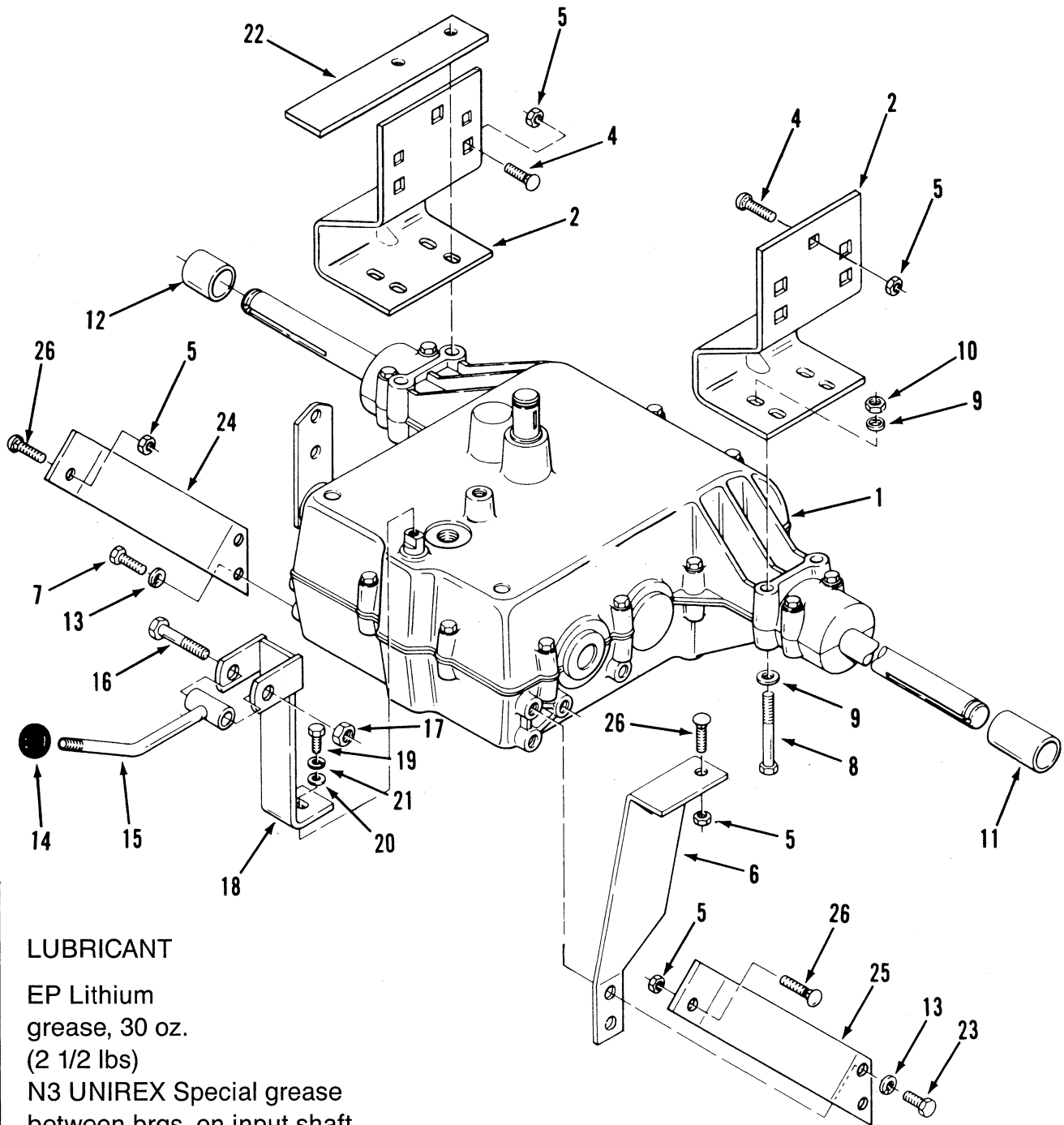
3. Service Information

- 3.1. Special notes recorded on illustrations:
Refer operator's 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

LIST OF ILLUSTRATIONS

1

TITLE	FIGURE NUMBER	PAGE
Section 1		
5 Speed Transmission	1-1	2
Section 2		
Front Axle and Steering (Mower Hanger)	2-1	4
Section 3		
Brake and Clutch Linkage	3-1	6
Section 4		
Attachment Lift	4-1	8
Section 5		
Frame, Sheet Metal and Covers	5-1	10
Frame, Sheet Metal and Covers	5-2	12-14
Section 6		
Engine and Fuel and Exhaust Systems	6-1	16
Section 7		
Electrical System	7-1/2	18-20-22
Section 8		
Wheels and tires	8-1	24
Section 9		
Clutches and Pulleys	9-1	26
PTO Clutch	9-2	28
Section 10		
Seat and Suspension	10-1	30
Decals, Miscellaneous	10-2	32-34
Section 11		
Service information	11	36

**LUBRICANT**

EP Lithium
grease, 30 oz.

(2 1/2 lbs)

N3 UNIREX Special grease
between brgs. on input shaft,
between brgs. on output
shaft & cavity created
by casting & countershaft

No periodic req'd

0327



Figure 1-1 5-Speed Transmission

SECTION 1 - TRANSMISSION

3

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 1-1			
5-SPEED TRANSMISSION			
1	111049*	Transmission - 5 - Speed Peerless Model 801-026	1
2	108793	Bracket - Rear Axle - 5-Speed	2
4	900036	Carriage Bolt 5/16-18 x 1	6
5	915112	Eslok Nut 5/16-18	7
6	108792	Torque Strap 5-Speed	1
7	926720	S.T. Bolt 5/16-18 x 3/4	2
8	908025	Bolt 5/16-18 x 2 1/2	4
9	920008	Washer 5/16 SAE	8
10	915112	Eslok Nut 5/16-18	4
11	108421	Axle Spacer LH 5-Speed	1
12	108420	Axle Spacer RH 5-Speed	4
13	920082	Lockwasher 5/16	4
14	108758	Knob	1
15	109638	Shift Rod	1
16	908039	Bolt 3/8-16 x 2 1/2 - 5-Speed	1
	111050	Special Washer (not illustrated)	1
17	915663	E.S. Nut 3/8-16	1
18	109492	Shift Lever - Lower 5-Speed	1
19	111051	Bolt - 12 Point - 5-Speed	1
20	104869	Special Washer	1
21	920081	Lockwasher 1/4	1
22	108396	Brake Stop Bar 5-Speed	1
23	926697	Swage Form Bolt 5.16-18 x 1	2
24	110152	Torque Strap RH 5-Speed	1
25	110151	Torque Strap LH 5-Speed	1
26	900037	Carriage Bolt 5/16-18 x 3/4	3

* 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 purposes only; item **is not available** through WHEEL HORSE.

SECTION 2 - FRONT AXLE AND STEERING

5

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 2-1			
FRONT AXLE AND STEERING (MOWER HANGER)			
1	106199	Axle - Front	1
2	1030	Grease Fitting	2
3	1481	Grease Fitting	1
5	108910	Plate - Front Axle	1
6	113818	Front Spindle Assy RH	1
7	113819	Front Spindle Assy LH	1
9	109733	Support	1
10	6397	Bushing	1
11	915663	E.S. Nut 3/8-16	2
12	908034	Bolt 3/8-16 x 1	2
13	112698	Lower Steering Shaft Assy	1
14	5210	Shim Washer .015	X
15	1278	Shim Washer .050	X
16	933269	Cotter Pin 1/4 x 1/4	1
17	1773	Ball Joint Assy	1
19	915002	Eslok Nut 3/8-24	4
20	111361	Support - Front Axle	1
21	114949	Front Hanger (Mower)	1
22	104822	Retaining Ring 3/4	3
23	106311	Upper Steering Shaft Assy	1
24	909848	Cup Pt Set Screw 1/4-20 x 1/4	1
25	1085	Shaft Collar	1
26	109189	Bushing	1
27	113989	Steering Wheel 15"	1
29	933221	Spirol Pin 1/4 x 2	1
30	113444	Collar	1
31	109262	Special Washer	X
32	7896	Bowed Washer	1
39	108230	Tie Rod	1
42	5943	Spacer	2
43	932017	Cotter Pin 1/8 x 1	2
44	920242	Special Washer	2
45	911424	Bolt 3/8-16 x 2	1
	116097	Push Nut (not illustrated)	1
48	908035	Bolt 3/8-16 x 1 1/4	2
49	915236	Jam Nut 3/8-16	3
50	1278	Washer	2
53	111646	Grip Ring	1
54	106950	Bushing	1
55	920219	Special Washer	1
56	108226	Ring	1
57	1291	Grease Fitting 90"	1

SECTION 3 - BRAKE AND CLUTCH LINKAGE

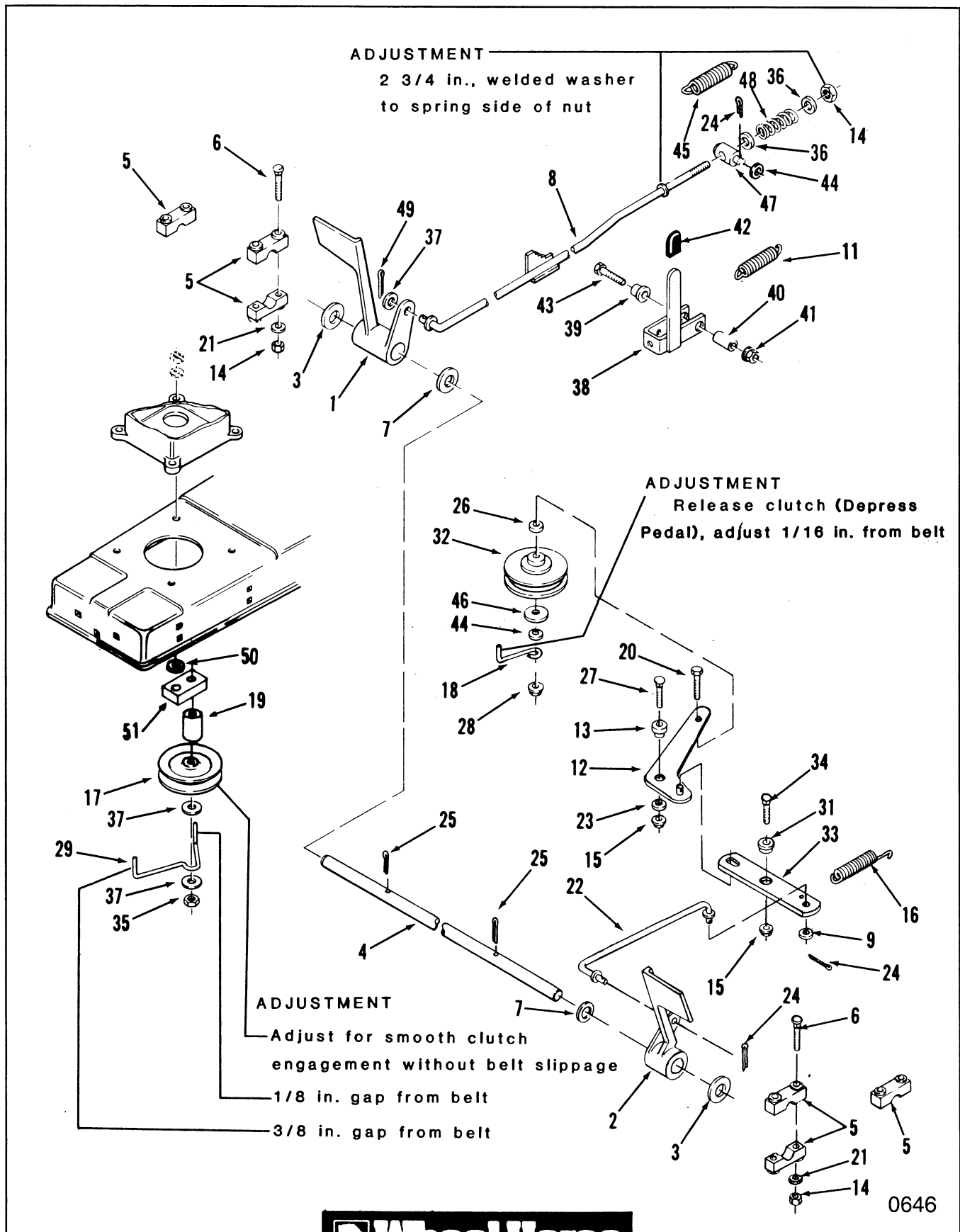

Wheel Horse

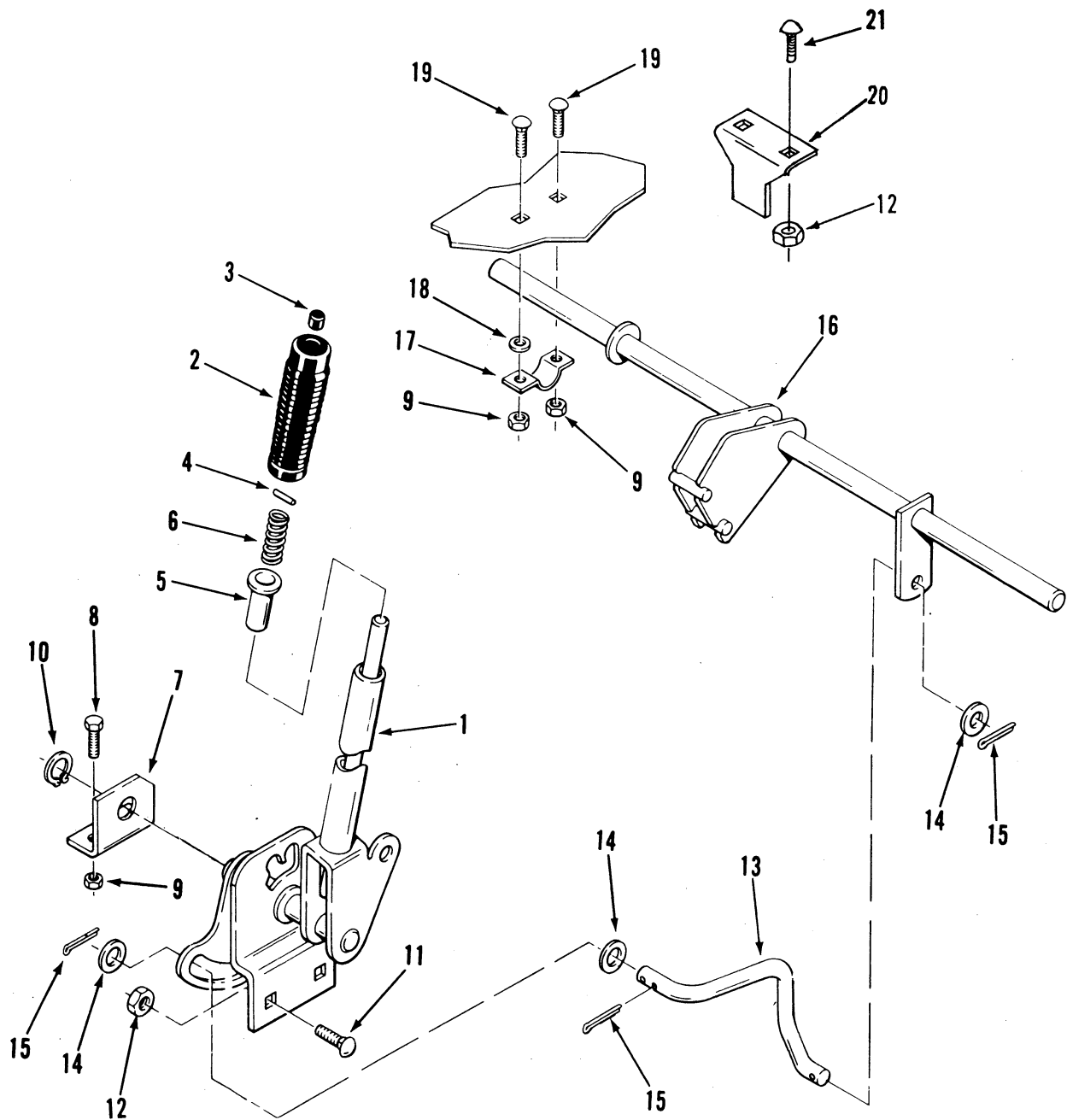
Figure 3-1 Brake and Clutch Linkage

SECTION 3 - BRAKE AND CLUTCH LINKAGE

7

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 3-1			
BRAKE AND CLUTCH LINKAGE			
1	108602	Pedal - Brake	1
2	110621	Pedal - Clutch	1
3	920261	Special Washer	2
4	112451	Shaft - Pedal	1
5	106585	Block Pivot	6
6	900041	Carriage Bolt 5/16-18 x 1 3/4	4
7	920215	Special Washer	2
8	108797	Brake Rod 5-Speed	1
9	920008	Washer 5/16	1
11	103628	Spring	1
12	106304	Idler Arm	1
13	106203	Spacer - Idler Arm	1
14	915662	E.S. Nut 5/16-18	5
15	102809	Flange Locknut 3/8-16	2
16	6533	Clutch Spring	1
17	8205	"V" Idler Pulley	1
18	103408	Belt Guide - Flat Idler	1
19	106720	Spacer	1
20	908039	Bolt 3/8-16 x 2 1/4	1
21	920008	Washer 5/16 SAE	4
22	106202	Rod - Clutch	1
23	920249	Special Washer	1
24	932016	Cotter Pin 1/8 x 3/4	3
25	932025	Cotter Pin 5/32 x 1	2
26	104525	Spacer - Flat Idler	1
27	900066	Carriage Bolt 3/8-16 x 1 3/4	1
28	102809	Flange Locknut 3/8-16	1
29	108511	Belt Guide - "V" Idler	1
31	9475	Spacer - Clutch Bar	1
32	MW8821	Flat Idler Pulley	1
33	106382	Bar - Clutch	1
34	900064	Carriage Bolt 3/8-16 x 1 1/4	1
35	915663	E.S. Nut 3/8-16	1
36	920038	Washer 5/16 U.S.	2
37	920039	Washer 3/8 U.S.	3
38	110641	Parking Brake Lever	1
39	101765	Flange Bushing	1
40	102025	Spacer - Parking Brake	1
41	102809	Flange Locknut 3/8-16	1
42	6820	Grip	1
43	908038	Bolt 3/8-16 x 2	1
44	920009	Washer 3/8 SAE	2
45	107788	Spring	1
46	2844	Special Washer	1
47	6739	Trunnion	1
48	7602	Spring	1
49	932008	Cotter Pin 3/32 x 3/4	2
50	920155	Internal Tooth Lockwasher 5/16	1
51	108512	Spacer Block	1

SECTION 4 - ATTACHMENT LIFT



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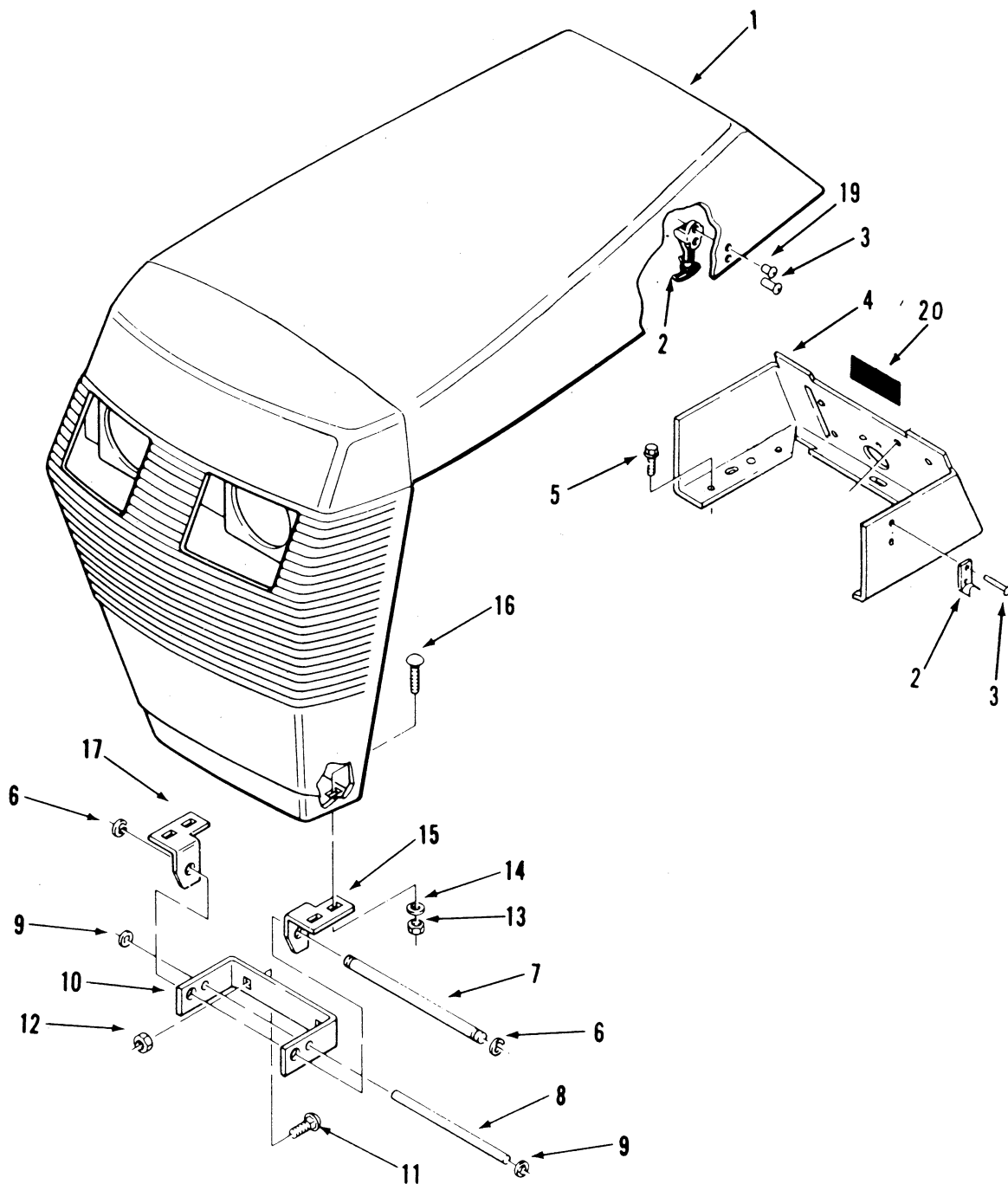


Figure 4-1 Attachment Lift

SECTION 4 - ATTACHMENT LIFT

9

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 4-1			
ATTACHMENT LIFT			
1	109170	Lift Lever	1
2	6542	Grip	1
3	105316	Rod Cap	1
4	933148	Spirol Pin 1/8 x 1/2	1
5	8130	Spring Retainer	1
6	3624	Spring	1
7	109177	Bracket	1
8	908017	Bolt 5/16-18 x 3/4	2
9	915112	Eslok Nut 5/16-18	6
10	104822	Retaining Ring	1
11	900062	Carriage Bolt 3/8-16 x 3/4	2
12	915663	E.S. Nut 3/8-16	4
13	114364	Lift Rod	1
14	920011	Washer 1/2 SAE	3
15	932017	Cotter Pin 1/8 x 1	3
16	109333	Lift Shaft	1
17	106288	Clamp	2
18	920039	Washer 3/8 U.S.	2
19	926694	Carriage Bolt 5/16-18 x 5/8	4
20	111089	Bracket-Stop	1
21	900063	Carriage Bolt 3/8-16 x 1	2



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Figure 5-1 Frame, Sheet Metal and Covers

SECTION 5 - FRAME, SHEET METAL AND COVERS

11

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 5-1			
FRAME, SHEET METAL AND COVERS			
1	113458	Hood	1
2	106825	Hood Latch Assy (109236 Handle 109237 Latch)	2
3	923785	Pop Rivet - 1/8 Dia. x .294	4
4	112704	Console	1
5	926694	S.T. Bolt 5/16-18 x 5/8	3
6	105797	"E" Ring	2
7	108458	Rod - Pivot	1
8	108243	Rod - Pivot Stop	1
9	5466	Speed Nut	2
10	112695	Bracket - Hood Pivot	1
11	900038	Carriage Bolt 5/16-18 x 1	2
12	915662	E.S. Nut 5/16-18	2
13	915661	E.S. Nut 1/4-20	4
14	920007	Washer 1/4 SAE	4
15	109146	Bracket - Grille Pivot LH	1
16	900015	Carriage Bolt 1/4-20 x 3/4	3
16	900016	Carriage Bolt 1/4-20 x 1	1
17	109145	Bracket - Grille Pivot RH	1
19	923784	Pop Rivet - 1/8 Dia x .232	4
20	111757	Console Trim Edging	1

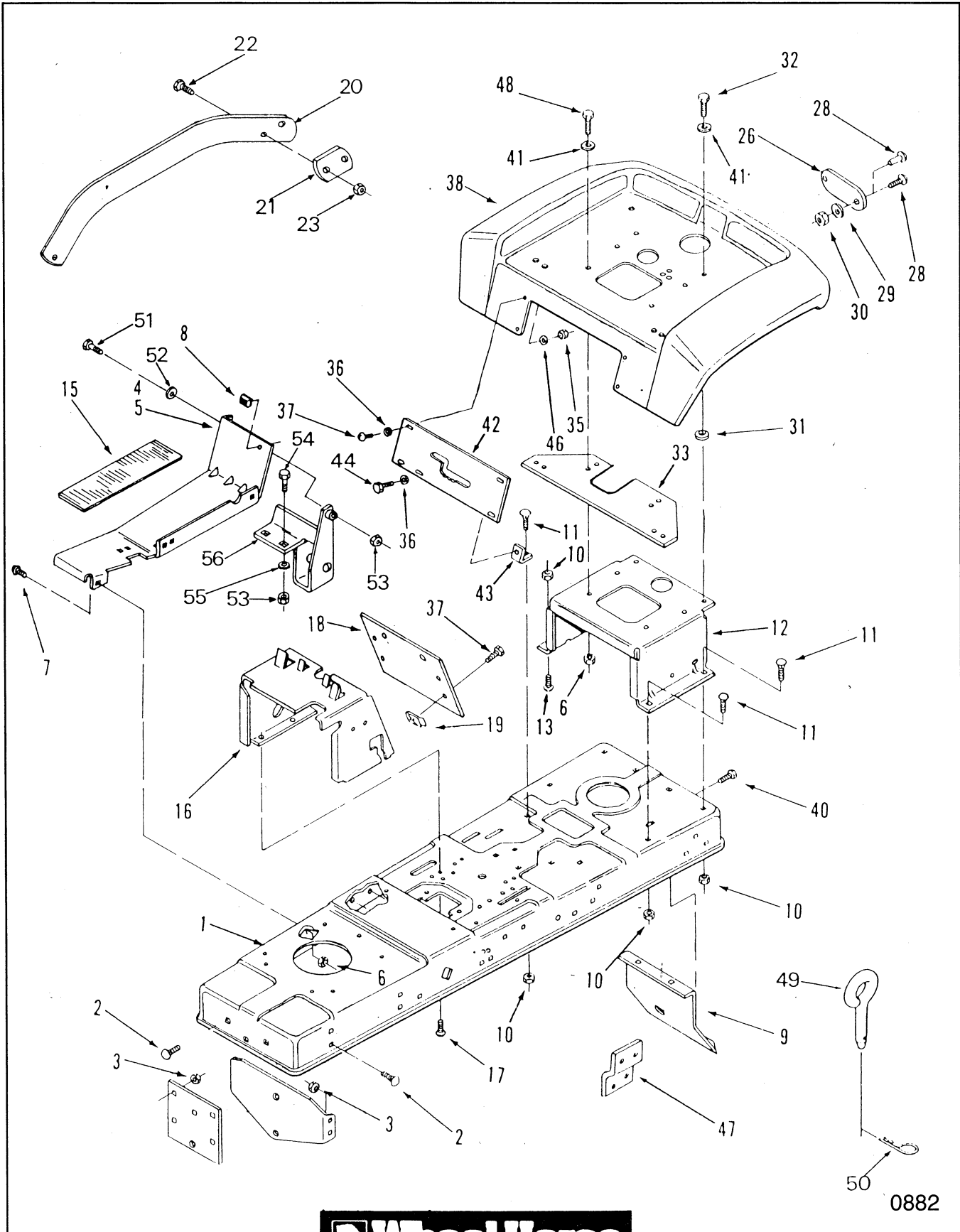


Figure 5-2 Frame, Sheet Metal and Covers

SECTION 5 - FRAME, SHEET METAL AND COVERS

13

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 5-2			
FRAME, SHEET METAL AND COVERS			
1	113871	Frame	1
2	900037	Carriage Bolt 5/16-18 x 3/4	7
3	915662	Elastic Nut 5/16-18	7
4	110516	Footrest RH	1
5	110515	Footrest LH	1
6	915662	E.S. Nut 5/16-18	7
7	900037	Carriage Bolt 5/16-18 x 3/4	8
8	518211	Rubber Bumper	2
9	112703	Hitch - Drawbar	1
10	915662	E.S. Nut 5/16-18	10
11	900037	Carriage Bolt 5/16-18 x 3/4	1
12	113870	Support - Seat	1
13	900037	Carriage Bolt 5/16-18 x 5/8	4
15	115852	Footrest Rubber Pad RH 227-5	1
	115851	Footrest Rubber Pad LH 227-5	1
16	114691	Hoodstand	1
17	926694	S.T. Screw 5/16-18 x 5/8	4
18	115179	Hoodstand Plate	1
19	107069	Speed Nut 1/4-20	4
20	114754	Bar Pivot	2
21	114757	Spacer	2
22	908035	Bolt	4
23	915663	Nut	4
26	108547	Reflector - Rear	2
28	109193	Pop Rivet 3/16 x .570 Aluminium (Production)	4
	910808	Screw = 10-32 x 5/8 (Optional)	4
29	920079	Lockwasher = 10 (Optional)	4
30	915551	Nut = 10-32 (Optional)	4
31	2844	Special Washer	2
32	908017	Bolt 5/16-18 x 3/4	3
33	114288	Seat Plate	1
35	915111	Jam Nut 1/4-20	4
36	920007	Washer 1/4 SAE	4
37	910837	Pan HD. Screw 1/4-20 x 5/8	8
38	112471	Fender	1
40	908016	Bolt 5/16-18 x 5/8	2
41	920008	Washer 5/16 SAE	5
42	109457	Shift Plate	1
43	110511	Fender Bracket	1
44	926671	S.T. Bolt 1/4-20 x 1/2	1
46	920081	Lockwasher 1/4	4
47	111739	Switch Bracket	1
48	900038	Carriage Bolt 5/16-18 x 1	1
49	106634	Tool Pin	3
50	933505	Hair Pin Cotter	3
51	908021	Bolt	2
52	920267	Washer	2
53	915662	Nut	6

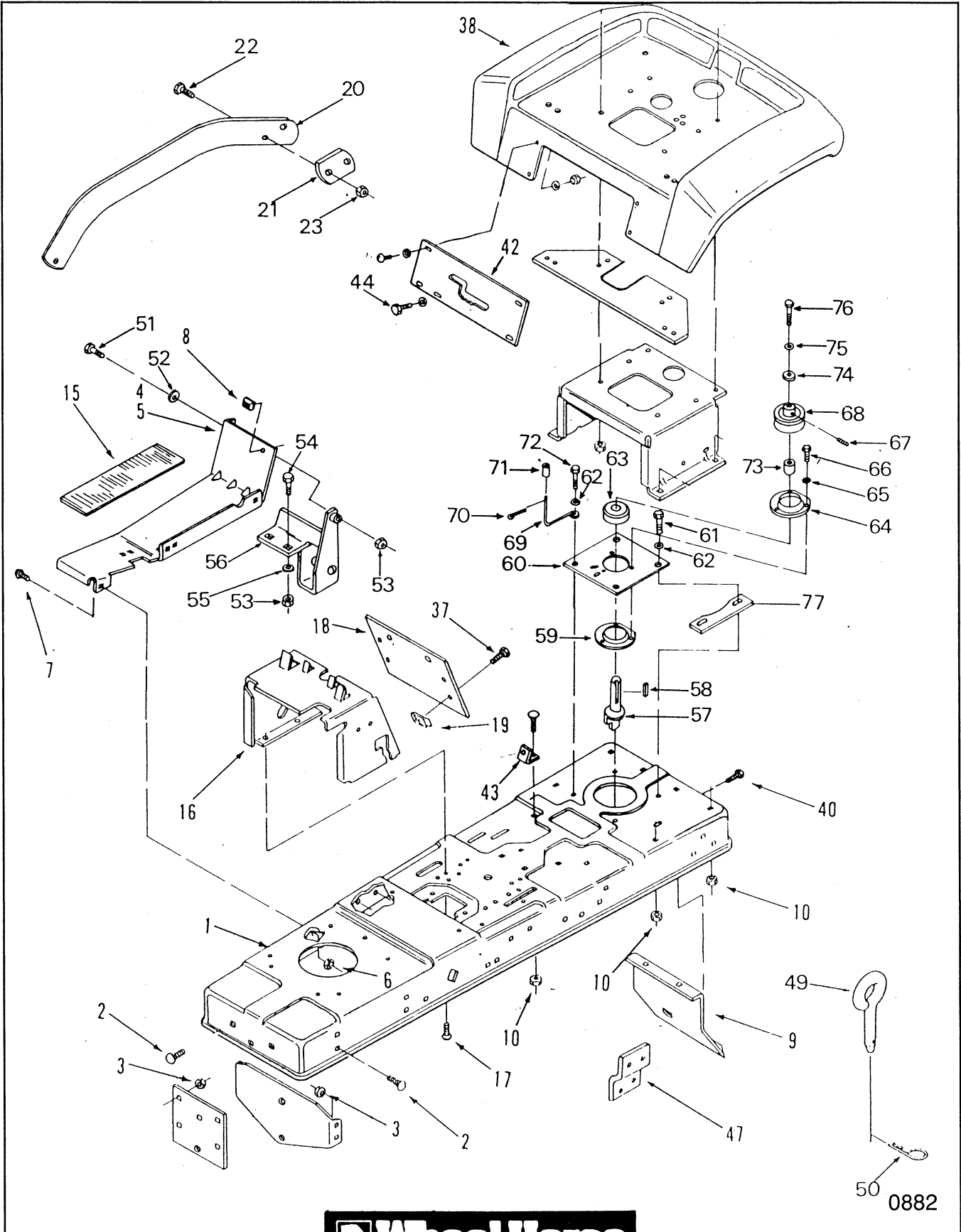
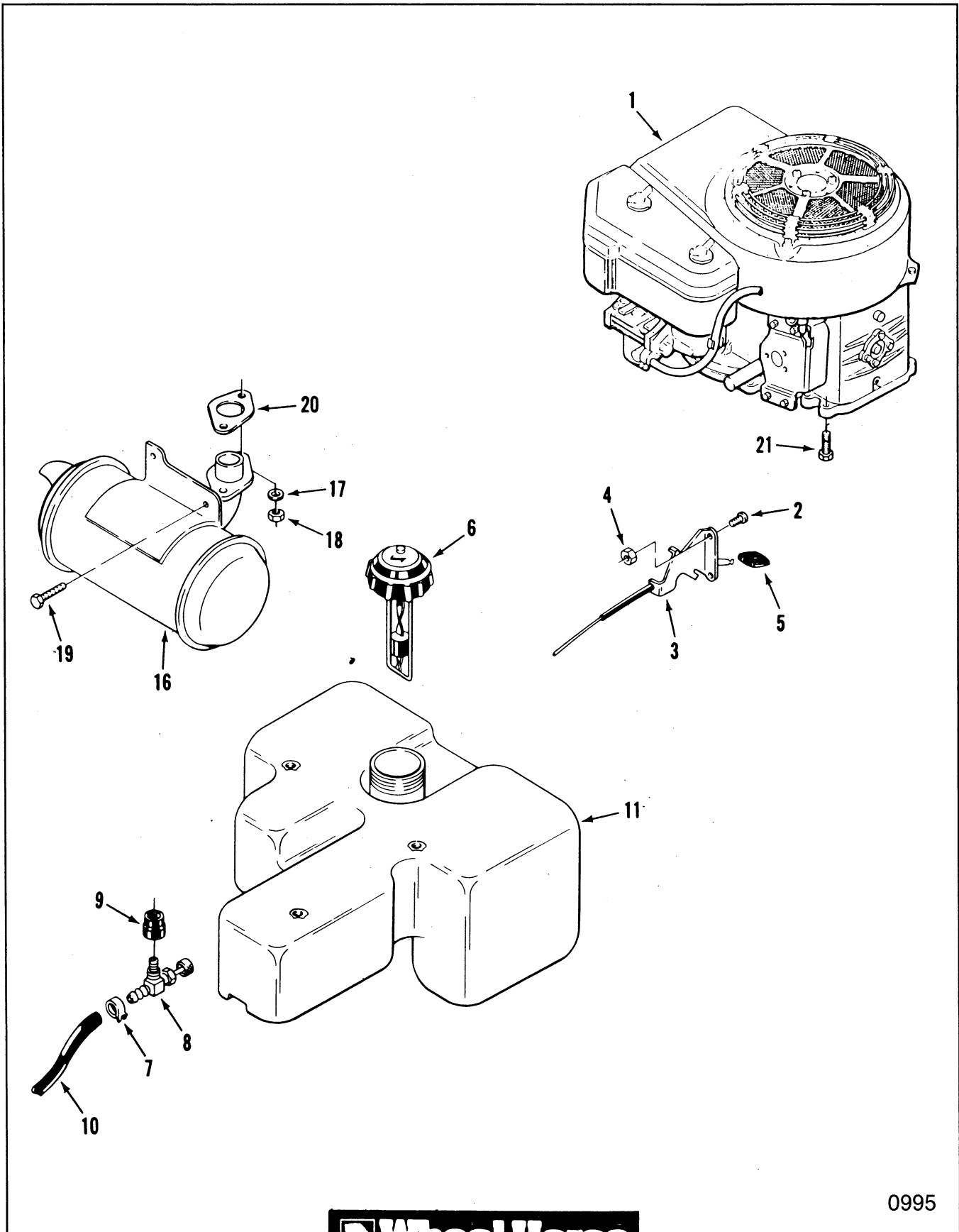


Figure 5-2 Frame, Sheet Metal and Covers

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 5-2			
FRAME, SHEET METAL AND COVERS (CONT'D)			
54	900037	Bolt	4
55	920008	Washer	4
56	114748	Assy Bracket R4	1
	114747	Assy Bracket LH (not illustrated)	1
57	116119	Shaft Drive	1
58	6366	Key	1
59	102536	Bearing-Cup W/Nut	1
60	114686	Plate MTG	1
61	908019	Bolt	3
62	920008	Washer	4
63	102534	Bearing-Ball	1
64	102533	Bearing-Cup	1
65	920081	Lockwasher	3
66	908001	Bolt	3
67	909863	Set Screw	1
68	114740	Pulley	1
69	114811	Belt Guide	1
70	932001	Cotter Pin	1
71	114812	Spacer	1
72	908020	Bolt	1
73	114741	Spacer Shaft	1
74	2844	Washer	1
75	920083	Lockwasher	1
76	908034	Bolt	1
77	114743	Spacer MTG-Plate	1



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Figure 6-1 Engine, Fuel & Exhaust Systems

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 6-1			
ENGINE, FUEL & EXHAUST SYSTEMS			
1	113487	Engine - 17 HP - Kawasaki Model FC540 V	X
2	910792	Screw = 10-24 x 1/2	2
3	115789	Choke/Throttle Control	1
4	915740	Nut = 10-24	2
5	108917	Knob	X
6	113867	Gasoline Gauge Cap	1
7	108898	Hose Clamp	2
8	104048	Fuel Valve	1
9	104047	Bushing	1
10	2739	Fuel Hose 54 in. (137.2 cm)	1
11	114622	Fuel Tank	1
16	113494	Muffler	1
17	920082	Lockwasher 5/16	2
18	112190	Nut M 8x1.25	2
19	112147	Bolt M 8x1.25 x 15	2
20	KW10250	Gasket (Kawasaki = 11009-2515A)	1
21	112148	Bolt 8x35 (Kawasaki = 130GO845)	4
	810522	Engine Owners Manual K/W	1
	810555	Engine Owners Manual French	1
	810558	Engine Owners Manual German	1

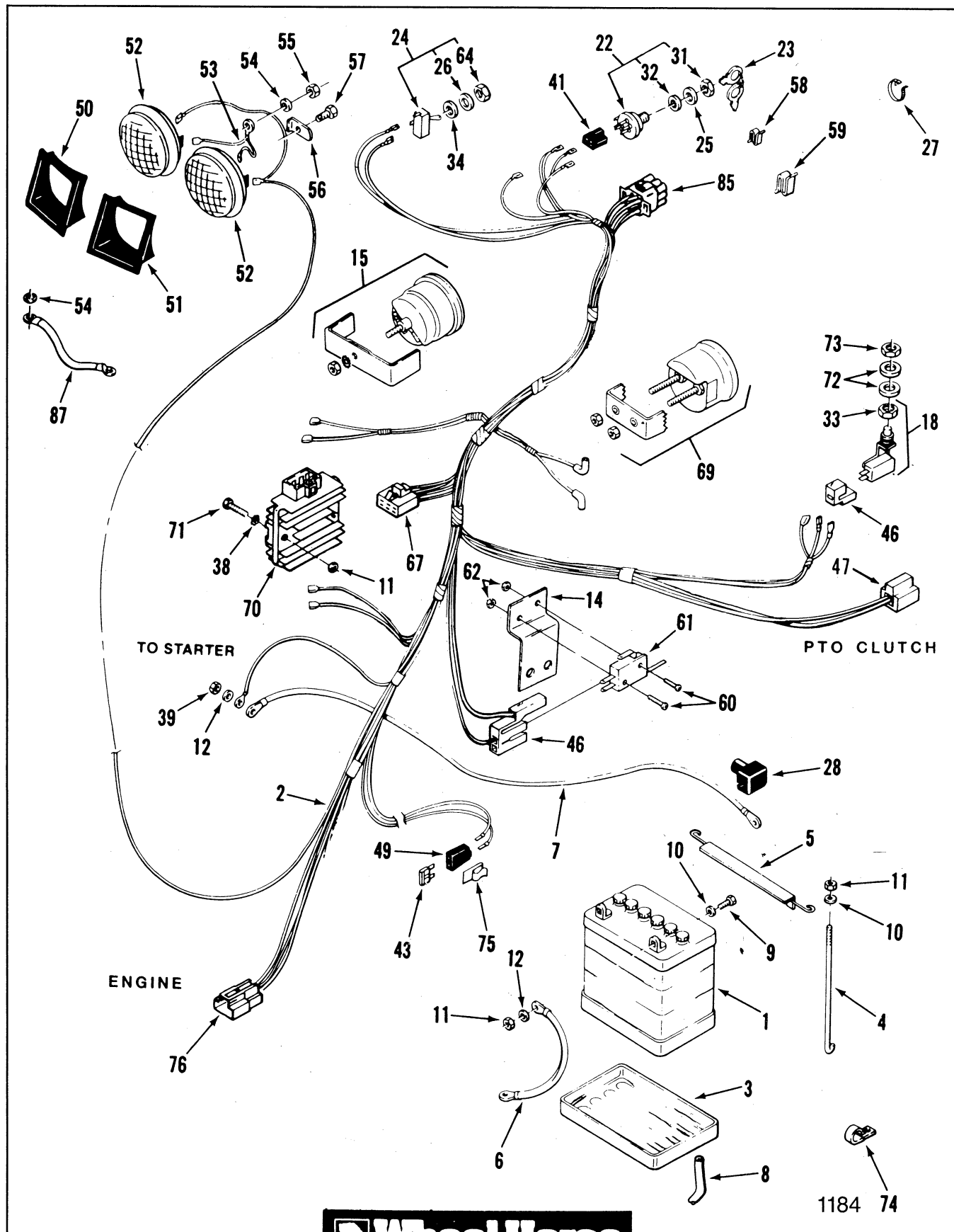


Figure 7-1 Electrical System

SECTION 7 - ELECTRICAL SYSTEM

19

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 7-1			
ELECTRICAL SYSTEM			
1	104962	Battery - 24 amp hour	1
2	112709	Wiring Harness 227-5	1
3	106948	Battery Tray	1
4	109547	Hook	2
5	113010	Battery Angle	1
6	111076	Wire (14" Battery to Ground)	1
7	111077	Wire (23" Solenoid to Battery)	1
8	114720	Drain Tube	1
9	908003	Bolt 1/4-20 x 3/4	2
10	920007	Washer 1/4 SAE	6
11	915111	Nut 1/4-20	7
12	920081	Lockwasher 1/4	1
14	111739	Brake Switch Bracket	1
15	113469	Hourmeter (Includes 114017 Gauge Mtg. Bracket, 915962 Keps Nuts (2)	1
18	114240	Seat Switch	1
22	111215	Ignition Switch (includes items 31 & 32)	1
23	111220	Ignition Key (Set of 2)	1
	111214	Padded 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
31	101884	Switch Nut	1
32	920160	Internal Tooth Lockwasher	1
38	920122	External Tooth Lockwasher 1/4	1
39	915111	Hex Jam Nut 1/4-20	1
41	105302	5-Terminal Connector (part of item 2)	1
43	109355	15 amp ATO Fuse	1
	109102	25 amp ATO Fuse	1
46	111498	Connector Body (part of item 2)	2
47	109357	2-Terminal Connector (part of item 2)	1
49	113133	Fuse Holder	2
	105805	Special Hex Nut (not illus.)	2
	102950	Tab Washer (not illus.)	2

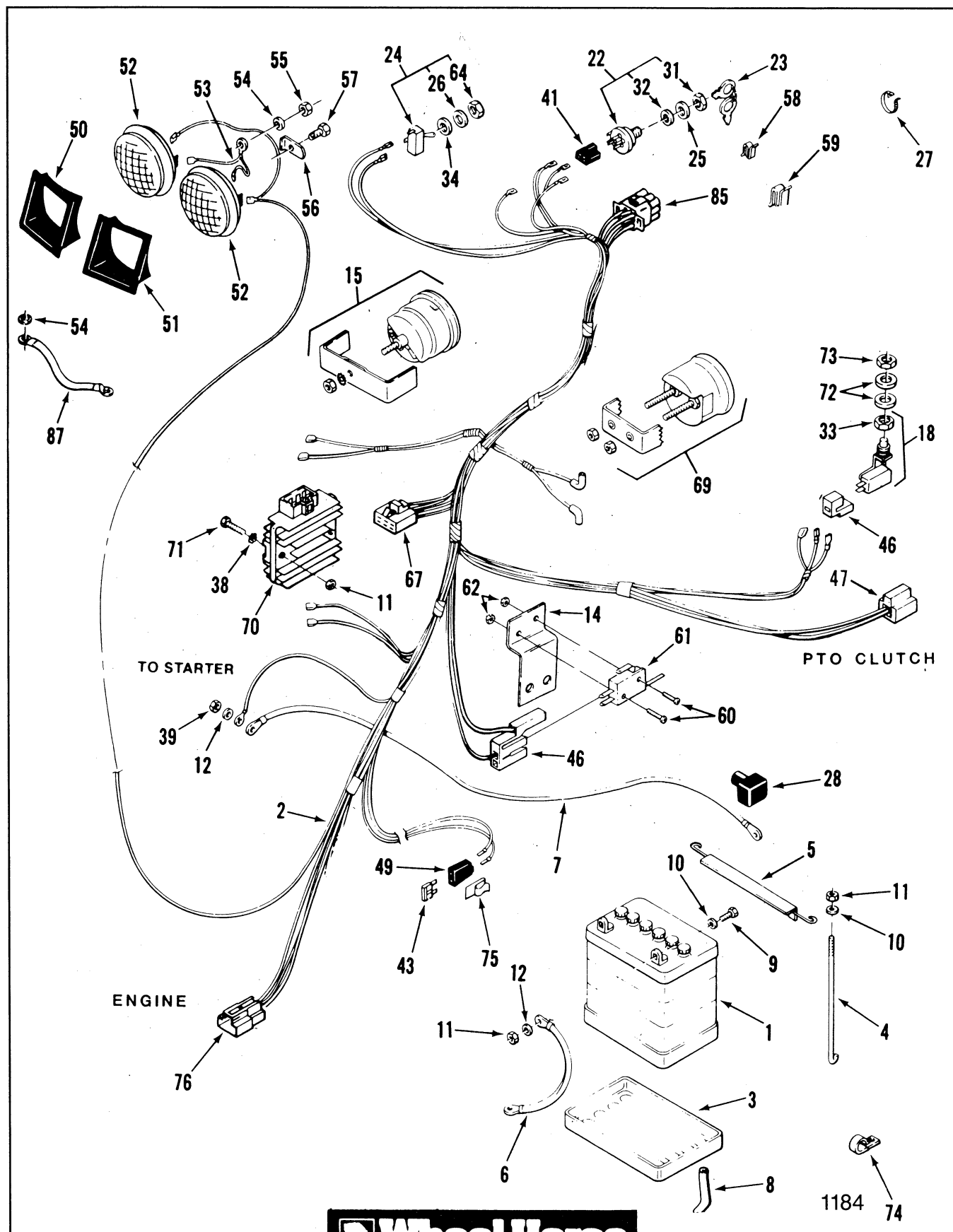
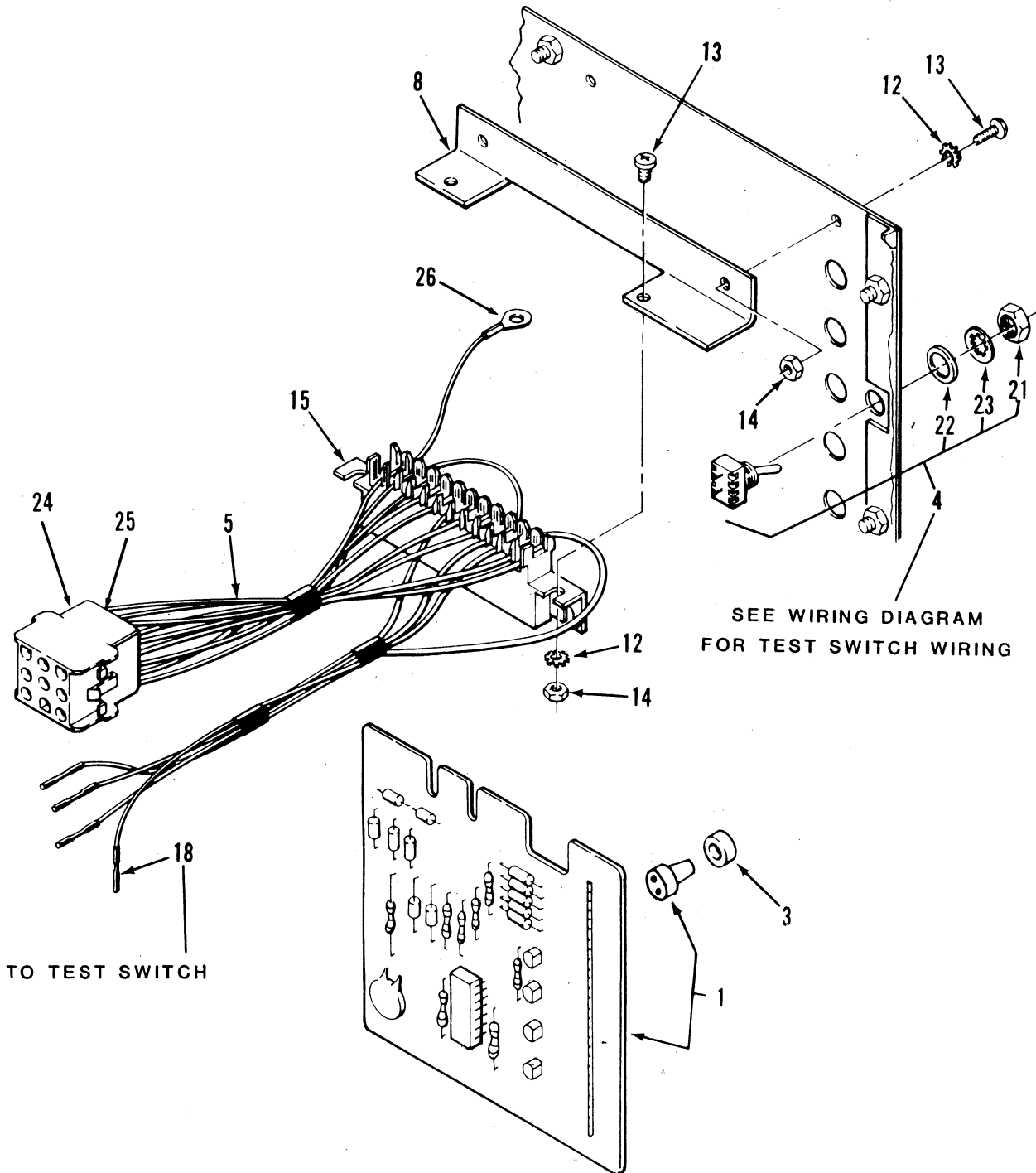
**Wheel Horse**

Figure 7-1 Electrical System

SECTION 7 - ELECTRICAL SYSTEM

21

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 7-1			
ELECTRICAL SYSTEM (CONT'D)			
50	109494	Bezel RH	1
51	109495	Bezel LH	1
52	102881	Headlight	2
53	108130	Ground Wire	1
54	920155	Internal Tooth Lock Washer 5/16	2
55	915112	Nut 5/16-18	1
56	109459	Lock	2
57	926671	S.T. Bolt	2
58	8830	Clip	1
59	3023	Clip 1/16	X
60	910948	Screw = 4-40 x 3/4	2
61	115230	Parking Brake & Clutch Pedal Switch	2
62	915732	E.S. Hex Nut = 4-40	2
67	112192	Connector Body (part of item 2)	1
69	110741	Voltmeter (Includes 109650 Clamp & 5924 = 10-32 Nut)	1
70	KW-10253	Voltage Regulator (Kawasaki = 21066-2056) 227-5	1
71	960155	Whizlock Bolt 1/4-20 x 1/2	2
72	920263	Switch Spacer	1
73	112419	Special Hex Nut	1
74	105490	Clamp	1
	111357	J-Clamp 1/4" dia. (not illus.)	1
75	112364	Fuse Holder Mounting Clip	1
76	112362	3 Contact Lock Type Connector (part of 2)	1
85	113118	9-Terminal Connector	1
87	113463	Ground Wire 7 1/2"	1

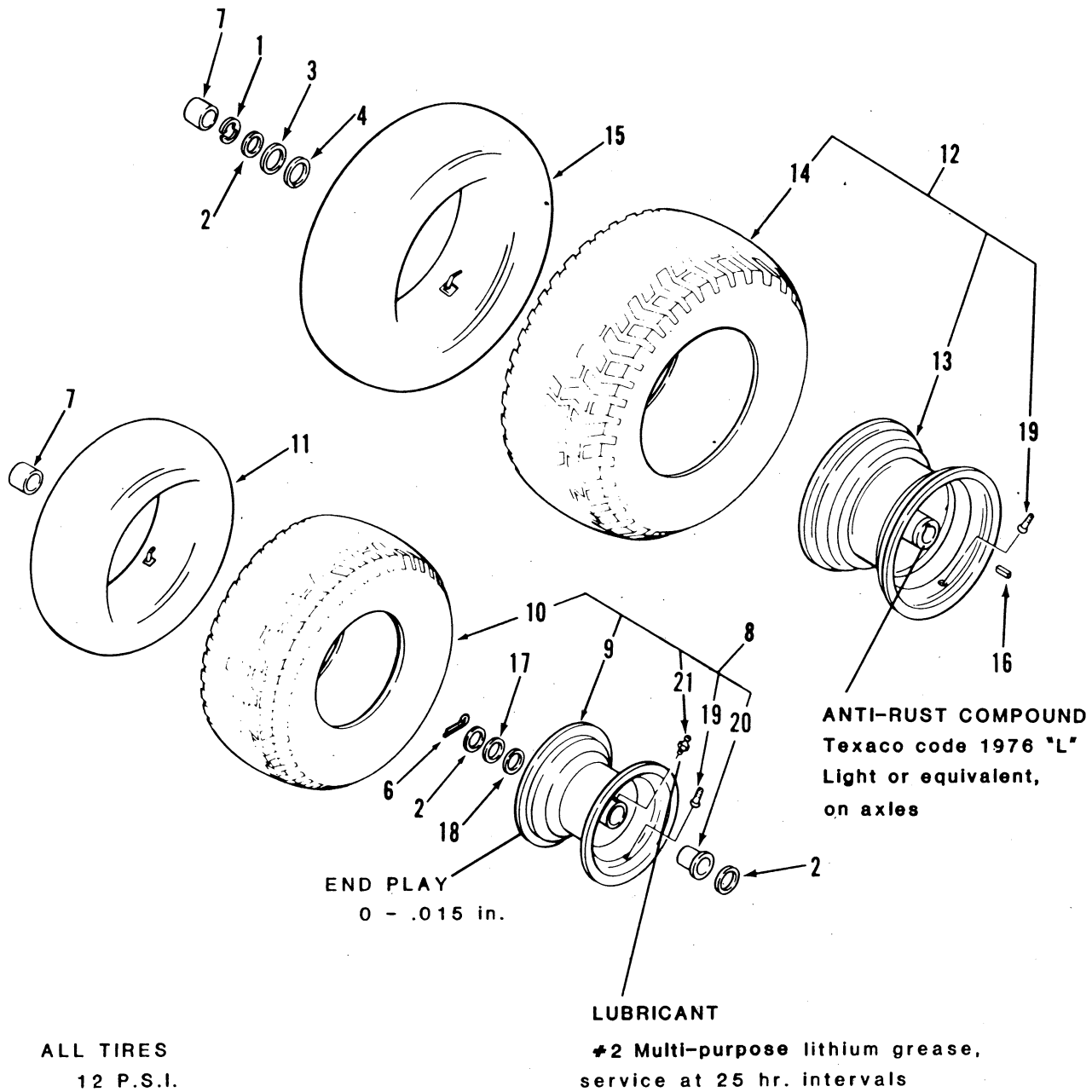


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Figure 7-2 Electrical System

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 7-2			
ELECTRICAL SYSTEM - 227-5			
1	114825	P.C Board	1
3	111343	Lens and Bushing	4
4	111353	Toggle Switch	1
5	113139	Indicator Lights Wiring Harness	1
8	112506	Bracket	1
12	920150	External Tooth Lockwasher = 6	4
13	910762	Pan Hd Cross Recess Machine Screw = 6-32 x 3/8	4
14	915960	Hex Machine Nut = 6-32	4
15	111374	Molex Connector (Part of item 5)	1
18	111485	Terminal (Part of item 5)	2
21	111359	Hex Nut	1
22	111360	Locking Ring Washer	1
23	111767	Lockwasher	1
24	113119	9-Circuit Receptable	1
25	113123	Socket	9
26	113164	No. 6 Ring Terminal	1

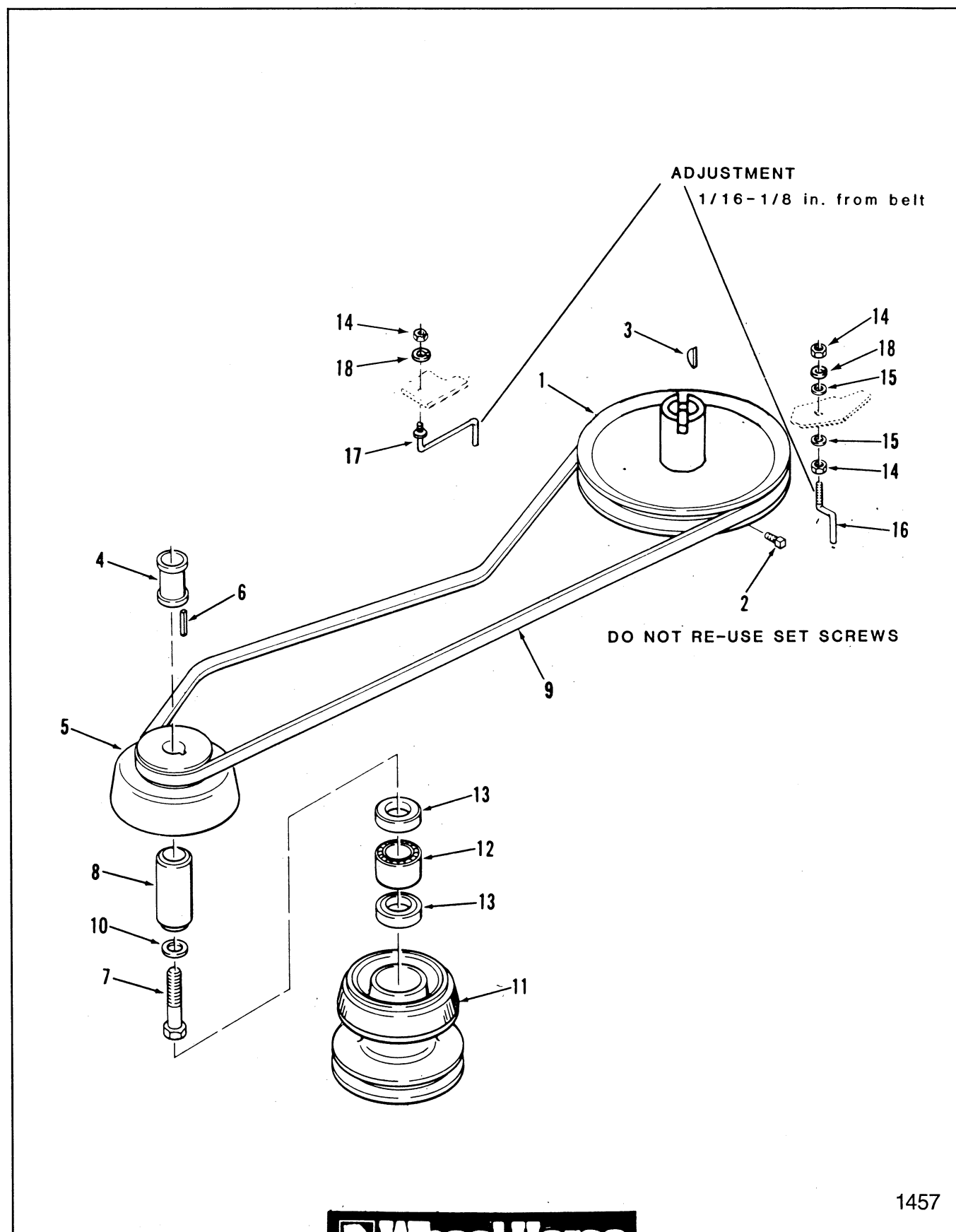


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Figure 8-1 Wheels and Tires

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 8-1			
WHEELS AND TIRES			
1	104636	"E" Ring	2
2	109262	Special Washer - Hubcap	6
3	5210	Shim Washer .015	X
4	1278	Shim Washer .050	X
6	932026	Cotter Pin 5/32 x 1 1/4	2
7	109154	Hub Cap Flat Black.....	4
8	110706	Assy - Wheel & Tire Front 5-Speed	2
9	110907	Front Wheel 5-Speed	1
10	104307	Front Tire 13 x 6.50-6 - 5-Speed	1
11	101779	Front Tube - Service Only - 5-Speed	1
12	111741	Assy - Wheel & Tire - Rear - 5-Speed - 227-5	1
13	110817	Rear Wheel 5-Speed 227-5	1
14	108807	Rear Tire 20 x 10-10 - 5-Speed 227-5	1
15	802477	Rear Tube - Service Only - 5-Speed	1
16	1120	Sq Key 3/16 x 1 3/4	2
17	1278	Shim Washer .050	X
18	5210	Shim Washer .015	X
19	5108	Valve Stem (Tubeless Tire)	1
20	100166	Flange Bushing	2
21	1030	Grease Fitting 5-Speed	1



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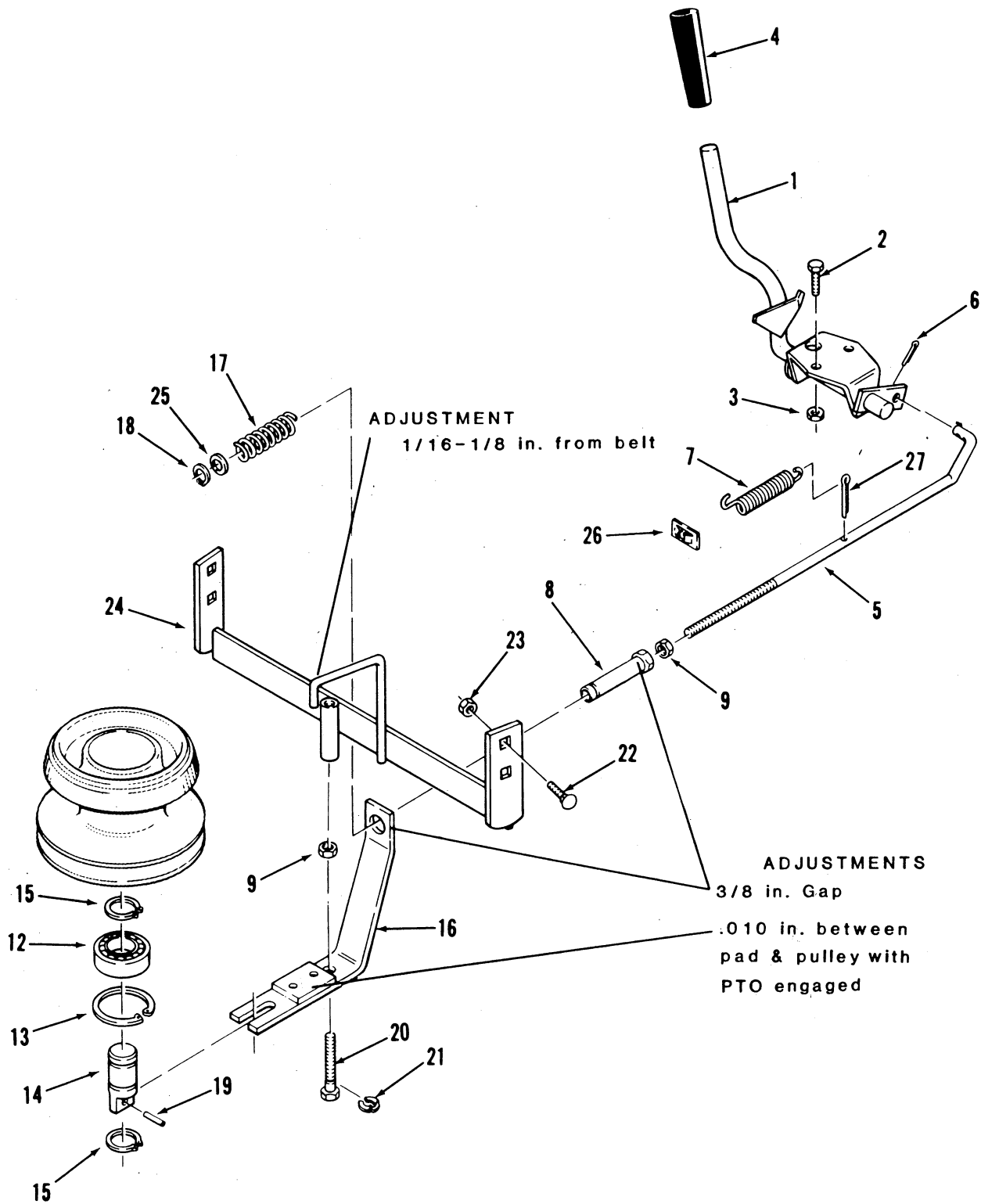


Figure 9-1 Drive Belt and Pulleys

SECTION 9 - CLUTCHES AND PULLEYS

27

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 9-1			
DRIVE BELT AND PULLEYS			
1	116121	Pulley - Transmission	1
2	909540	Sq. Hd. Set Screw 5/16-18 x 1/2 Eslok	2
3	937225	Hi-Pro Key = 9 - 3/16 x 3/4	1
4	112467	Tube Spacer	1
5	112468	Engine Pulley 227-5	1
6	105453	Sq Key 144 x 5/8	1
7	908195	Eslok Bolt 7/16-20 x 1	1
8	112469	Bearing Race 227-5	1
9	108427	Belt - Transmission Drive	1
10	920265	Special Washer 227-5	1
11	111321	Assy - Pulley - Mower Drive	1
12	106769	Needle Bearing	1
13	6663	Oil Seal	2
14	915112	Eslok Nut 5/16-18	3
15	920008	Washer 5/16	2
16	108397	Belt Guide	1
17	109041	Belt Guide	1
18	920082	Lockwasher 5/16	2

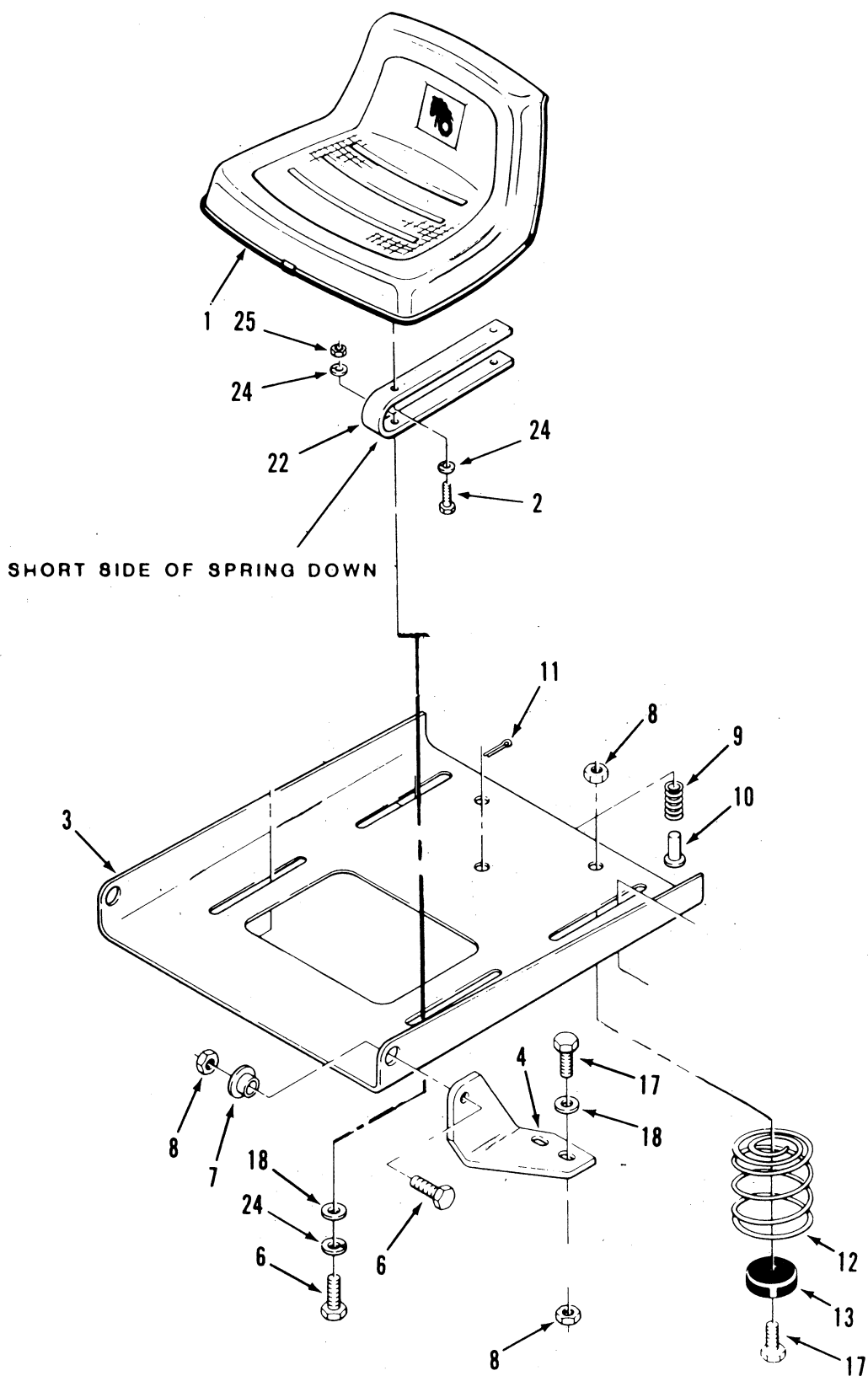


1456



Figure 9-2 PTO Clutch

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 9-2			
PTO CLUTCH			
1	116045	PTO Clutch Lever	1
2	908016	Bolt 5/16-18 x 5/8	2
3	915662	E.S. Nut 5/16-18	2
4	9038	Grip	1
5	111181	PTO Clutch Rod	1
6	932008	Cotter Pin 3/32 x 3/4	1
7	1014	Spring	1
8	107818	Treaded Spacer - PTO Clutch	1
9	915235	Jam Nut 5/16 - 18	2
12	109842	Ball Bearing	1
13	936032	Internal Snap Ring 1 3/4	1
14	111084	Shaft - Clutch Housing	1
15	936125	External Snap Ring 3/4	2
16	109346	Clutch Brake Bracket	1
17	109832	Spring - Clutch LT	1
18	107825	Snap ring - Special	1
19	933198	Spirol Pin 7/32 x 7/8	1
20	107748	Screw - Clutch Adjust	1
21	107772	Retaining Ring	1
22	900037	Carriage Bolt 5/16-18 x 3/4	4
23	915662	Eslok Nut 5/16-18	4
24	112476	Clutch Mounting Bracket	1
25	920259	Special Washer	1
26	7721	Speed Nut	1
27	932016	Cotter Pin 1/8 x 3/4	1

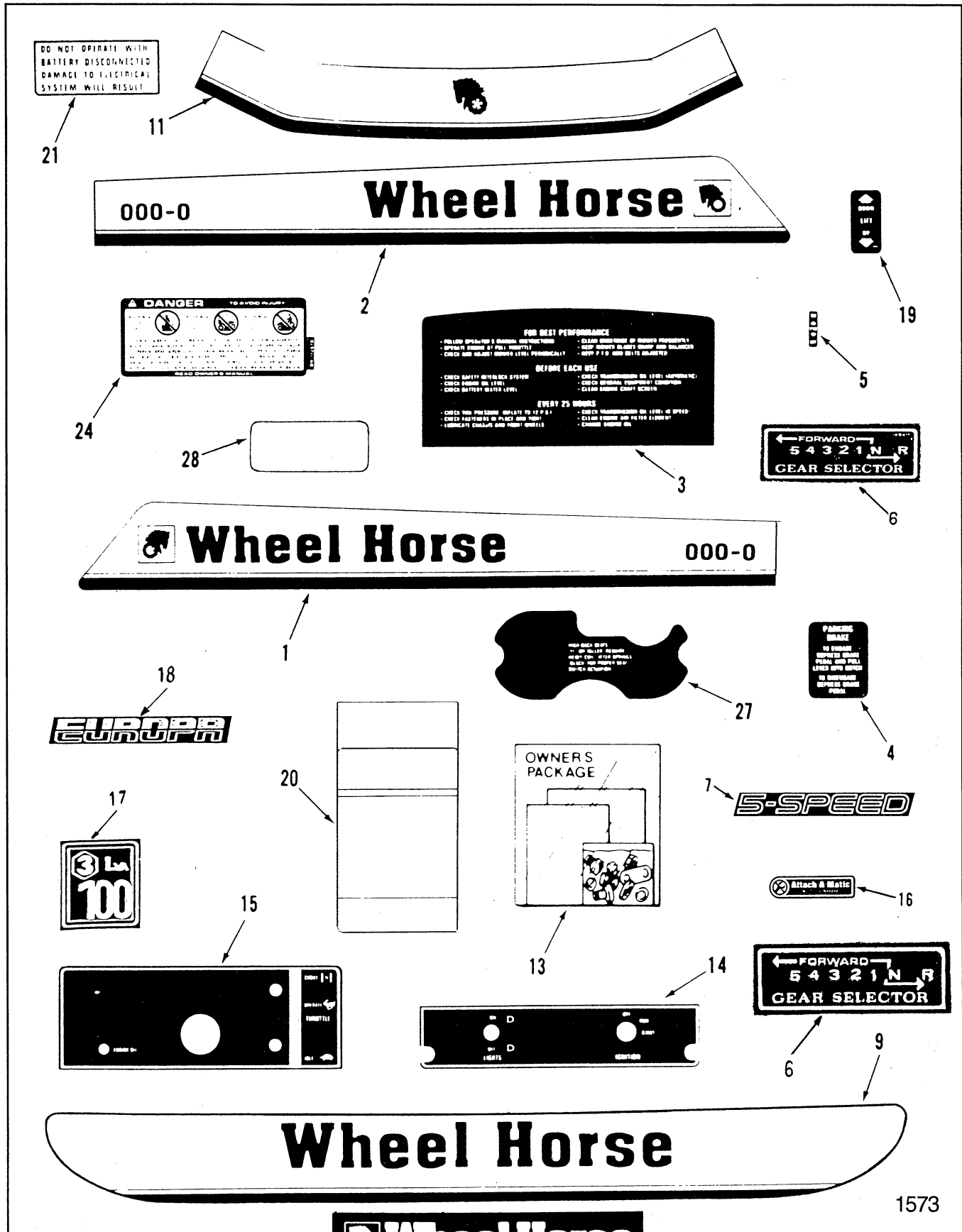


1572



Figure 10 -1 Seat and Suspension

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 10-1			
SEAT AND SUSPENSION			
1	113986	Seat	1
2	908017	Bolt 5/16-18 x 3/4	4
3	112478	Seat Pivot Plate	1
4	112745	LH Pivot Bracket	1
	112744	RH Pivot Bracket	1
6	908018	Bolt 5/16-18 x 7/8	4
7	105503	Bushing	2
8	915662	E.S. Nut 5/16-18	6
9	114267	Spring	1
10	106449	Pin	1
11	932008	Cotter Pin 3/32 x 3/4	1
12	114496	Spring 220-4	2
	114497	Spring 222-5 & 227-5	3
13	108889	Bumper	2
17	908019	Bolt 5/16 - 18 x 1	6
18	920008	Washer 5/16 SAE	6
22	110920	Seat Spring	2
24	920082	Lockwasher 5/16	4
25	915112	Nut 5/16-18	4



1573

Figure 10-2 Decals, Miscellaneous

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 10-2			
DECALS, MISCELLANEOUS			
1	114920	Decal - Hood RH 227-5	1
	116540	Decal - Hood RH TORO 227-5	1
2	114921	Decal - Hood LH 227-5	1
	116541	Decal - Hood LH TORO 227-5	1
3	114929	Decal - Rear Hood 227-5	1
	88159	Decal - Rear Hood German	1
	88079	Decal - Rear Hood French	1
	88080	Decal - Rear Hood Dutch	1
4	111509	Decal - Parking Brake	1
	88075	Decal - Parking Brake German	1
	88076	Decal - Parking Brake French	1
	88077	Decal - Parking Brake Dutch	1
5	111960	Decal - PTO Clutch	1
	88081	Decal - PTO Clutch Symbol	1
6	111507	Decal - Shift 227-5	1
	88069	Decal - Shift 227-5 Symbol	1
7	110871	Decal - 5 Speed	1
9	114925	Decal - Rear Fender 227-5	1
	116549	Decal - Rear Fender TORO 227-5	1
11	114926	Decal - Front Hood 227-5	1
	116546	Decal - Front Hood TORO 227-5	1
13	807207	New Tractor Loose Parts Package 227-5	X
14	111664	Decal - Switch	1
	88072	Decal - Switch Symbol	1
15	112832	Decal - Dash 227-5	1
	88084	Decal - Dash 227-5 German	1
	88085	Decal - Dash 227-5 French	1
	88086	Decal - Dash 227-5 Dutch	1
16	115197	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
17	114621	Decal - Europe Noise	1
18	111342	Decal - Europa	1
19	112168	Decal - Lift	1
	88067	Decal - Lift German	1
	88066	Decal - Lift French	1
	88068	Decal - Lift Dutch	1
20	115398	Decal - Maintenance	1
	88064	Decal - Maintenance German	1
	88063	Decal - Maintenance French	1
	88065	Decal - Maintenance Dutch	1

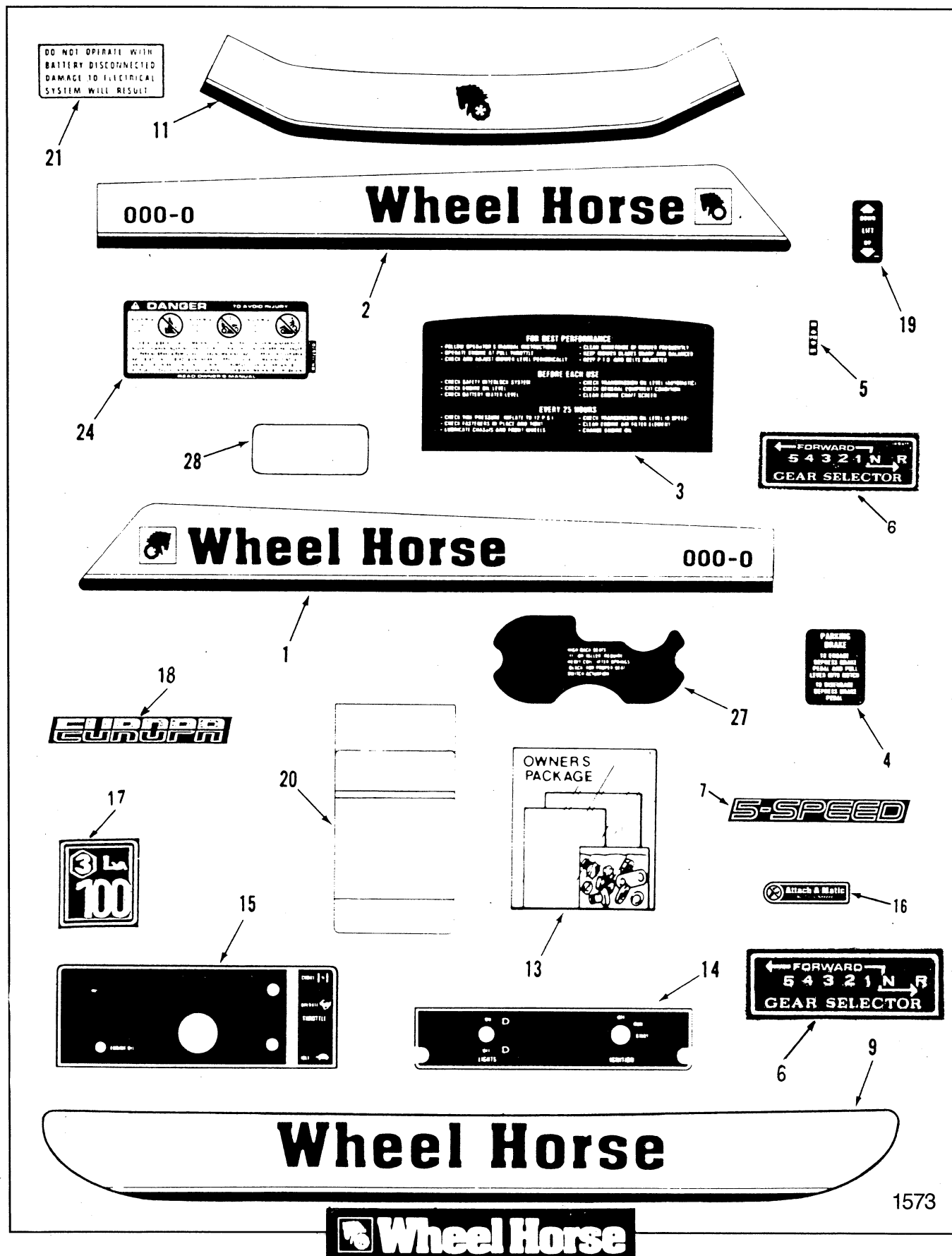
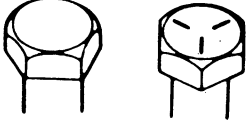
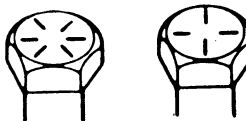


Figure 10-2 Decals, Miscellaneous

ITEM	PART NUMBER	DESCRIPTION	Quantity
Figure 10-2			
DECALS, MISCELLANEOUS (CONT'D)			
21	111926	Decal - Electric System	1
	88121	Decal - Electric System German	1
	88122	Decal - Electric System French	1
	88123	Decal - Electric System Dutch	1
24	112670	Decal - Danger	1
	88093	Decal - Danger German	1
	88094	Decal - Danger French	1
	88095	Decal - Danger Dutch	1
27	114296	Decal - Seat Lifter	1
	88087	Decal - Seat Lifter German	1
	88088	Decal - Seat Lifter French	1
	88089	Decal - Seat Lifter Dutch	1
28	112403	Decal - VIN Overlay	1

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 automotive enamel reducer with zylol (slow drying time)
or toluol (fast drying time) — no mineral spirits

** Thin with zylol

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Wheel Horse