Parts & Service Manual

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R1 16O802

312-8 8-SPEED
416-8 8-SPEED

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TORO®

Wheel Horse
Tractors & Riding Mowers

TORO WHEEL HORSE 300/400 SERIES
PARTS & SERVICE MANUAL

INTRODUCTION PAGE

1. How to use this parts manual

1.1. The 300/400 Series parts manual is divided into major sections arranged in the sequence 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

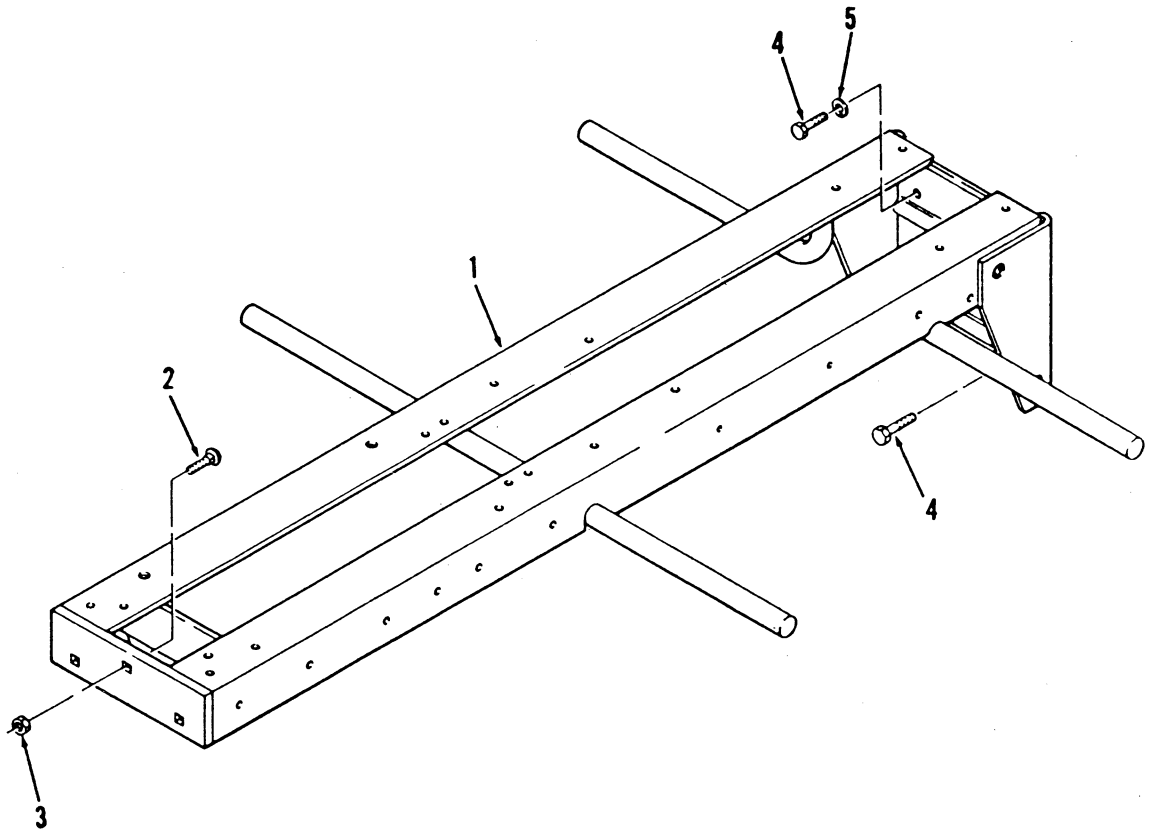
When function, use or location is known:
Refer to the List of Illustrations to locate the proper illustration.

3. Service aids

Special notes recorded on illustrations:
Refer to available owner & repair manuals and service bulletins for detailed information.

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Figure 1-1 Frame

ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 1-1 FRAME	
1	116770	Frame	
2	900064	Carriage Bolt 3/8-16 x 1 1/4	1
3	915663	Nut 3/8-16 E.S.	3
4	908032	Bolt 3/8-16 x 3/4	3
5	920083	Lockwasher 3/8	4
			4

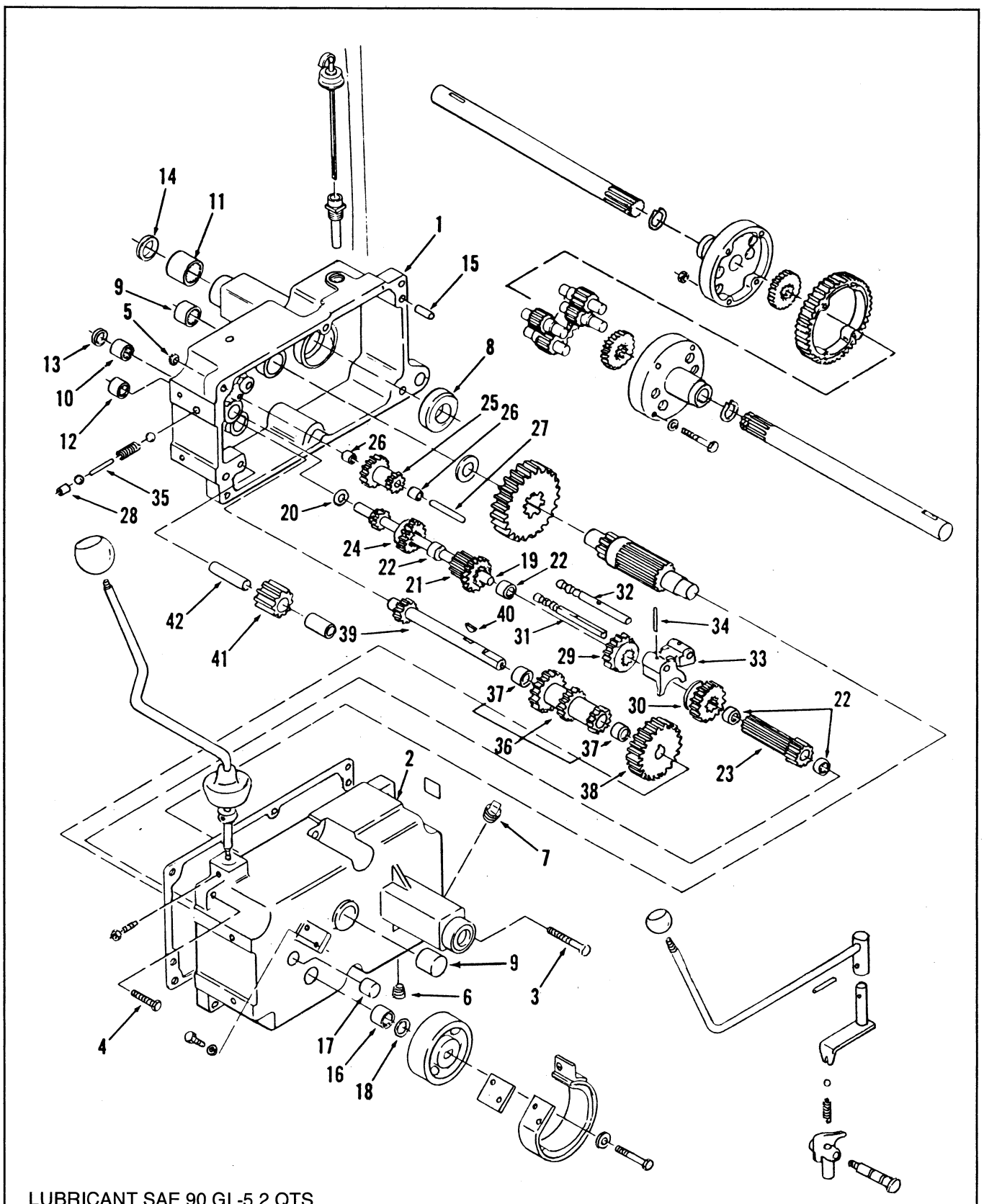
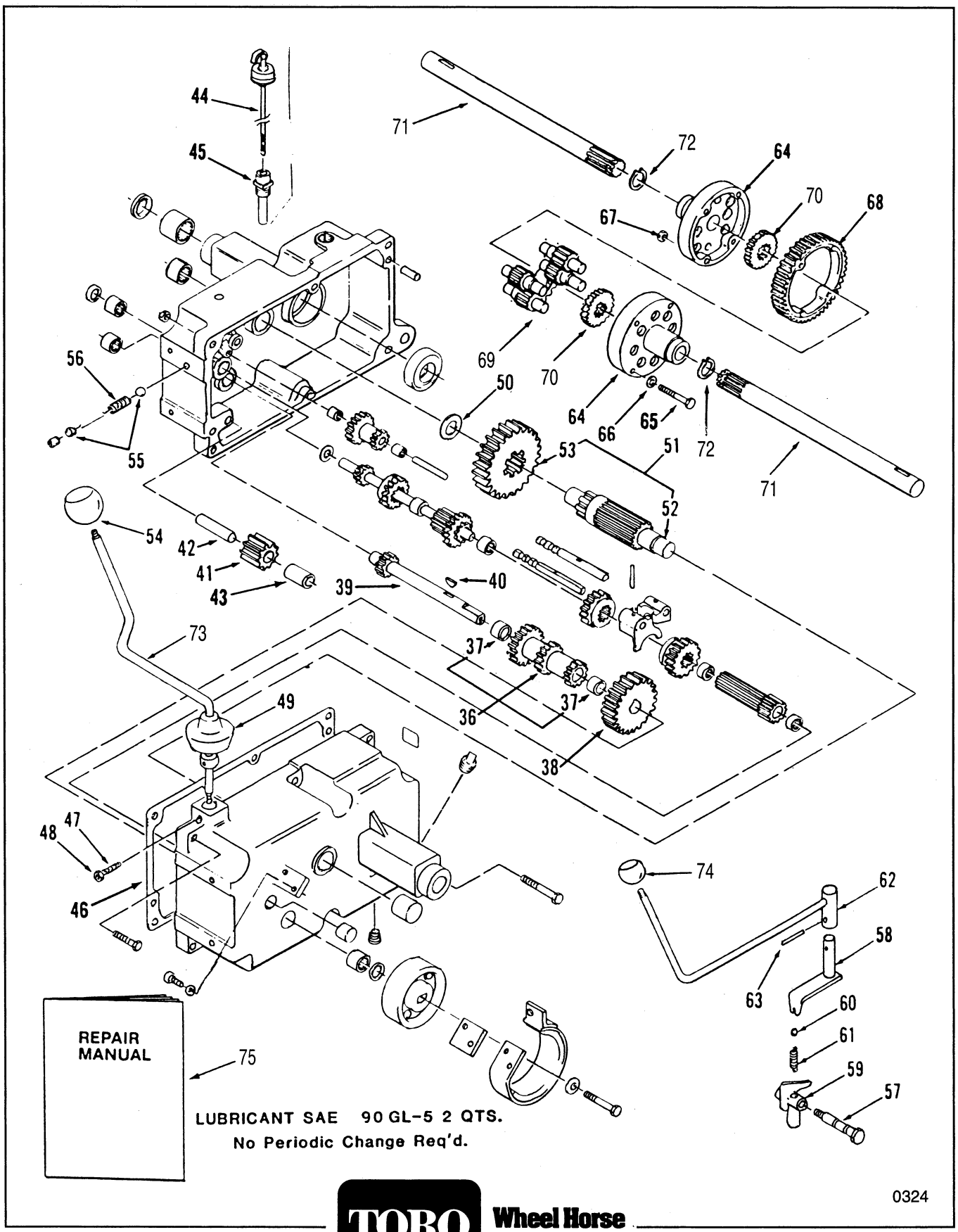


Figure 2-1 Mechanical Transmission - 8 - Speed

Figure 2 - 1
MECHANICAL TRANSMISSION - 8-SPEED

ITEM	PART NUMBER	DESCRIPTION	Quantity
	110995	Assembly 8-Speed Transmission	
1	111200	Case-Trans. RH	1
2	111198	Case-Trans. LH	1
3	908044	Bolt 3/8-16 x 4	1
4	908039	Bolt 3/8-16 x 2 1/4	1
5	915663	Nut 3/8-16 E.S	5
6	943460	Allen Hd. Pipe Plug 1/4	6
7	943420	Sq. Hd. Pipe Plug 3/8	1
8	111199	Ball Brg. 40 mm I.D.	1
9	1532	Needle Bearing 1 I.D.	2
10	1542	Needle Bearing 5/8 I.D.	2
11	9416	Needle Bearing 1 I.D.	1
12	1529	Needle Bearing 3/4 I.D.	2
13	100442	Seal-Input Shaft 5/8 I.D.	1
14	100443	Seal-Axle	1
15	3915	Locating Pin	4
16	1523	Needle Bearing 3/4 I.D	2
17	1531	Needle Bearing 5/8 I.D.	1
18	100441	Seal-Brake shaft 3/4 I.D.	1
19	7201	Input Shaft	1
20	7418	Thrust Washer	1
21	7204	Gear	1
22	1518	Needle Bearing 5/8 I.D.	1
23	5175	Gear	4
24	7205	Sliding Gear	1
25	7206	Reduction Gear	1
26	7207	Needle Bearing 3/8 I.D.	1
27	7208	Shaft-Reduction Gear	2
28	1243	Plug Cup	1
29	5173	Gear 2nd and 3rd	1
30	5174	Gear 1st and Reverse	1
31	5615	Shift Rail-Front	1
32	5616	Shift Rail-Rear	1
33	3503	Shift Fork	1
34	933156	Spirol Pin 1/8 x 1	2
35	5614	Shift Pin	2
			1

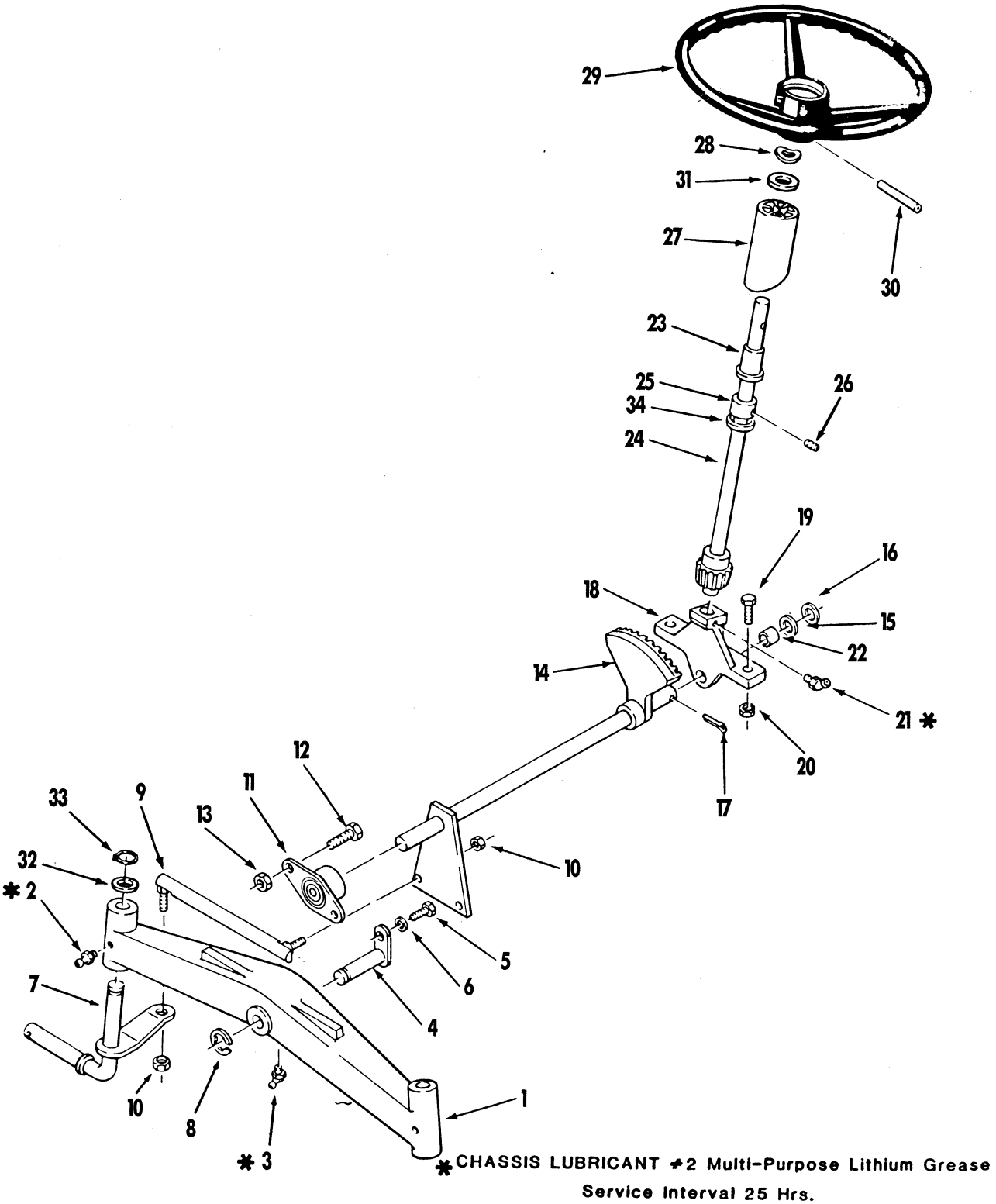


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Figure 2-2 Mechanical Transmission - 8 - Speed

Figure 2-2
MECHANICAL TRANSMISSION - 8-SPEED (CONTINUED)

ITEM	PART NUMBER	DESCRIPTION	Quantity
36	7269	Cluster Gear With Bushings	1
37	1504	Bronze Bushing	2
38	3527	Reduction Gear	1
39	9840	Cluster Shaft	1
40	937089	Woodruff Key 3/16 x 3/4	1
41	4204	Gear-Reverse Idler	1
42	3909	Pin-Reverse Idler	1
43	1516	Bushing-Reverse Idler	1
44	106447	Dipstick Assembly	1
45	106448	Nipple-Transmission Fill	1
46	3912	Transmission Case Gasket	1
47	1239	Special Set Screw	1
48	915111	Nut 1/4-20	1
49	3577	Dust Cover	1
50	9547	Thrust Washer	1
51	102974	Gear Assembly	1
52	101625	Gear 11 Tooth	1
53	101626	Gear 44 Tooth	1
54	108758	Gear Shift Knob	2
55	3517	Detent Ball 1/4 Diameter	2
56	106030	Detent Spring	1
57	7213	Detent Bolt	1
58	7214	Shift Shaft Hi-Low Range	1
59	116636	Shift Fork Hi-Low Range	1
60	3517	Detent Ball 1/4 Diameter	1
61	106030	Detent Spring	1
62	110727	Shift Lever Hi-Low Range	1
63	933184	Spirol Pin 3/16 x 3/4	1
64	111196	Diff. End Cap	2
65	911423	Bolt 3/8-16 x 3 1/4 (Grade 5)	4
66	107374	Special Washer-Case Hardened	4
67	108881	Nut 3/8-16 High-Tensile	4
68	105061	Differential Ring Gear 43Tooth	1
69	101623	Differential Pinion Gear 11 Tooth	4
70	101889	Differential Axle Gear	2
71	105875	Rear Axle	2
72	105876	Special Snap Ring 300-series Only	2
73	110725	Gear Shift Lever	1
74	1001	Hi-Lo Range Shift Knob	1
75	A-1392	Repair Manual	X



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Figure 3 - 1 Front Axle and Steering

Figure 3-1
FRONT AXLE AND STEERING

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	5638	Front Axle	1
2	1030	Grease Fitting Straight	2
3	1481	Grease Fitting 45°	1
4	6216	Pin and Plate	1
5	115426	Bolt 5/16-18 x 1/2	1
6	115425	Lockwasher 5/16	1
7	115426	Front Spindle RH	1
	115425	Front Spindle LH	1
8	5618	E-Ring	1
9	102592	Tie Rod RH	1
	102593	Tie Rod LH	1
10	915693	Nut 3/8-24 E.S.	4
11	6472	Flanged Bearing	1
12	908034	R.H. 3/8-16 x 1	2
13	915663	Nut 3/8-16 E.S.	2
14	114198	Lower Steering Shaft	1
15	5210	Shim Washer 3/4 x .015	X
16	1278	Shim Washer 3/4 x .050	X
17	932035	Cotter Pin 3/16 x 1-1/4	1
18	109733	Steering Support	1
19	908037	Bolt 3/8-16 x 1 3/4	2
20	915663	Nut 3/8-16 E.S.	2
21	1481	Grease Fitting 45 Degree	1
22	6397	Bearing-Lower Steering Shaft	1
23	109189	Bearing-Upper Steering Shaft	1
24	106177	Upper Steering Shaft	1
25	1085	Collar	1
26	909848	Eslok Set Screw 1/4-20 x 1/4	1
27	113443	Steering Tube	1
28	7896	Bowed Washer	1
29	117337	Steering Wheel 15" 416-8	1
	117336	Steering Wheel 13" 312-8	1
30	933221	Spirol Pin 1/4 x 2	1
31	109262	Special Washer	X
32	1278	Washer	2
	5210	Shim Washer	2
33	104822	Retaining Ring	2
34	111646	Grip Ring	1

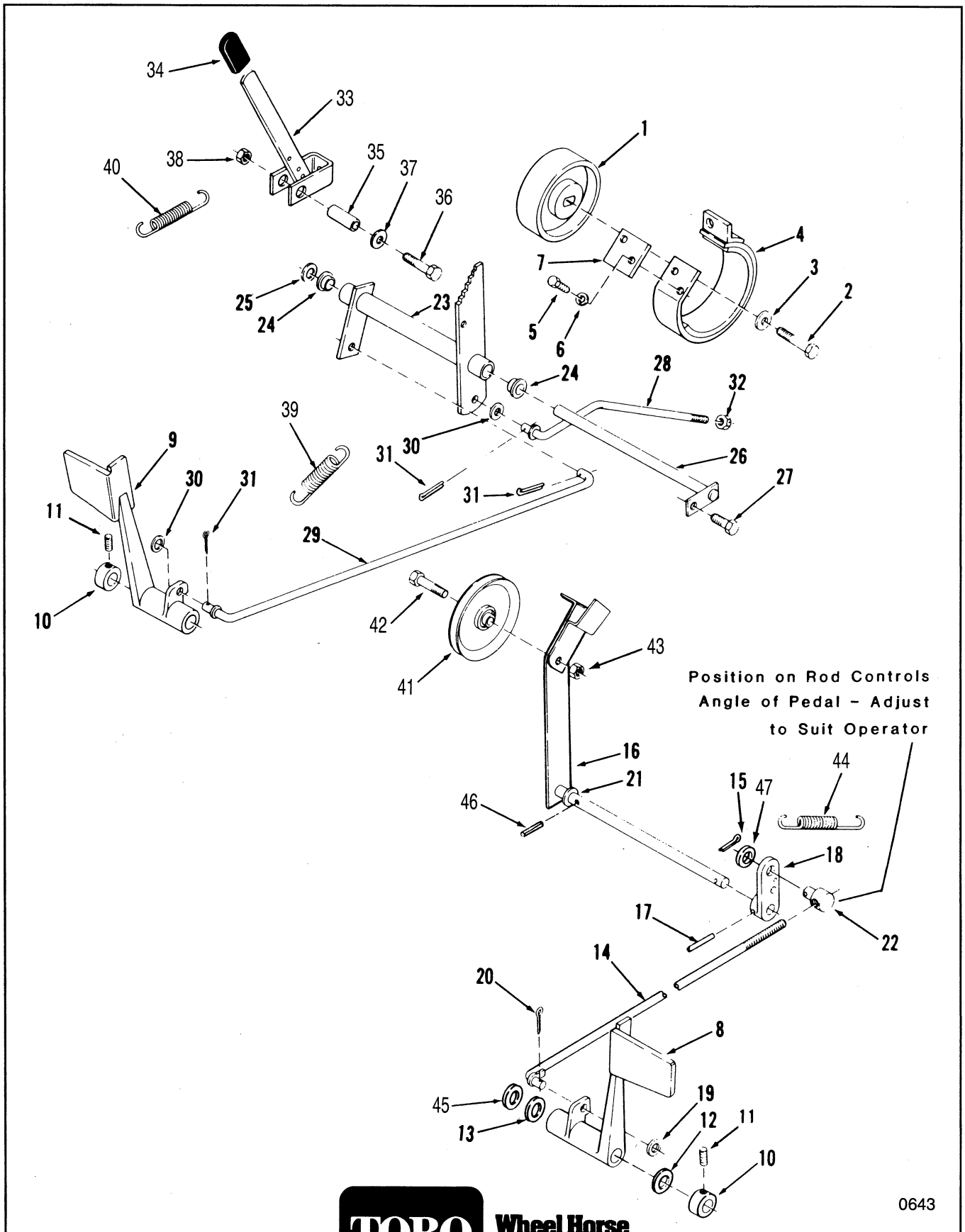
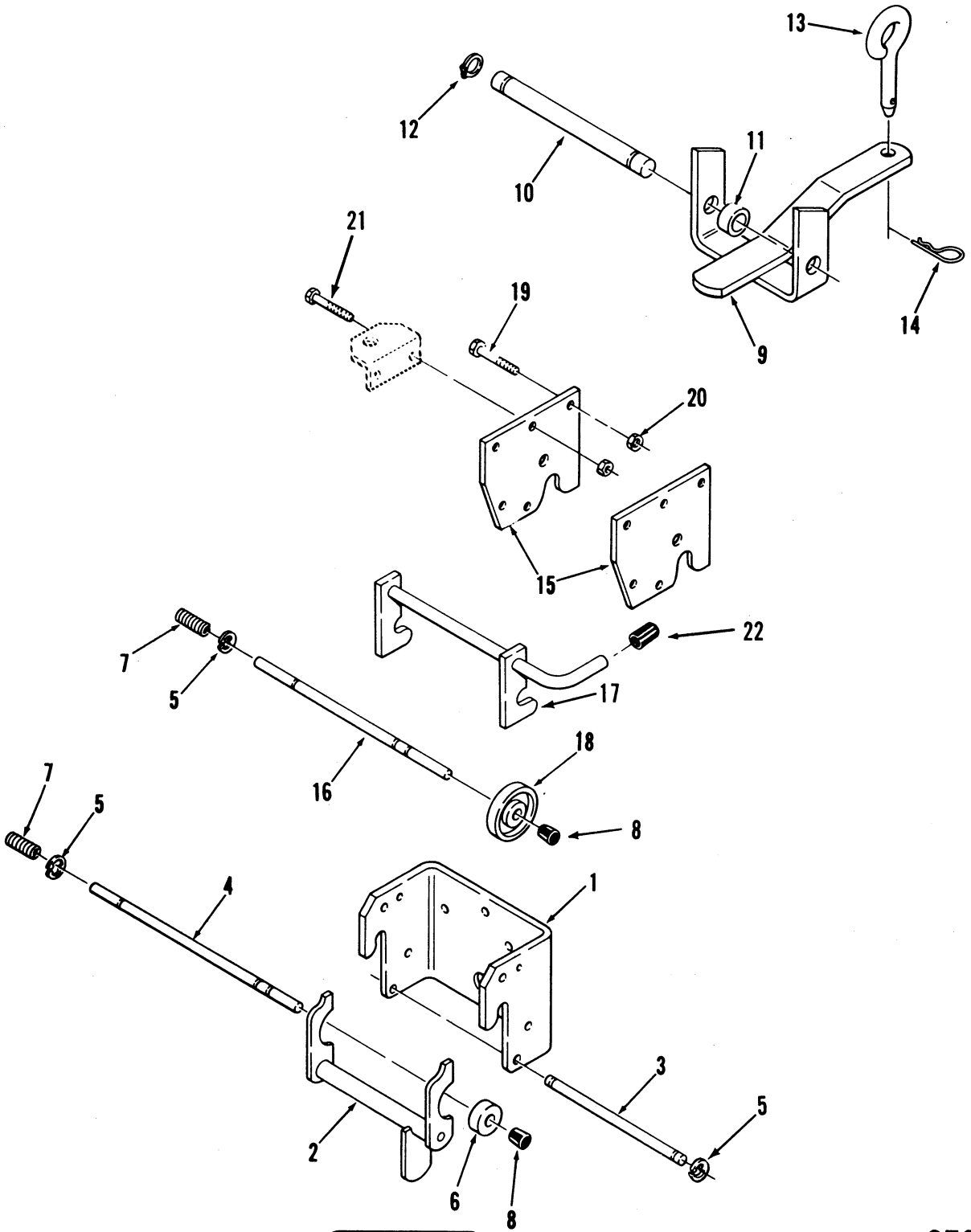


Figure 4-1 Clutch, Brake an Speed Controle Linkage

Figure 4-1
CLUTCH, BRAKE AND SPEED CONTROL LINKAGE

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	106719	Brake Drum	1
2	110234	Nylok Bolt 3/8-16 x 3/4	1
3	2844	Special Washer	1
4	9593	Brake Band	1
5	908002	Bolt 1/4-20 x 5/8	2
6	920081	Lockwasher 1/4	2
7	9598	Back-Up Plate	1
8	114814	Pedal-Clutch	1
9	114813	Pedal-Brake	1
	1030	Grease Fitting-Brake Clutch Pedal	2
10	111383	Collar	2
11	909848	Eslok Set Screw 1/4-20 x 1/4	2
12	7896	Bowed Washer	1
13	1278	Shim Washer. 3/4 x .050	X
14	103347	Clutch Rod	1
15	932008	Cotter Pin 3/32 x 3/4	1
16	114132	Clutch Idler Arm	1
17	933190	Spirol Pin 3/16 x 1-1/4	1
18	105896	Clutch Rod Arm	1
19	920248	Nylon Washer 3/8	3
20	932016	Cotter Pin 1/8 x 3/4	2
21	3765	Shim Washer 1/2 x .030	X
22	101161	Trunnion-Clutch Rod	1
23	103543	Bell Crank-Brake Linkage	1
24	7879	Bushing	2
25	920011	Washer 1/2 SAE	1
26	106417	Rod-Bell Crank Pivot	1
27	926694	S.T. Bolt 5/16-18 x 5/8	1
28	105900	Brake Rod-Rear	1
29	105886	Brake Rod-Front	1
30	920248	Nylon Washer	2
31	932016	Cotter Pin	3
32	915663	E.S. Nut 3/8-16	1
33	106451	Parking Brake Lever	1
34	6820	Grip	1
35	102025	Spacer	1
36	908037	Bolt 3/8-16 x 1-3/4	1
37	920009	Washer 3/8 SAE	1
38	102809	Special Nut	1
39	107677	Spring-Brake Return	1
40	103628	Spring-Parking Brake Return	1
41	7451	Idler Pulley	1
42	106193	Special Bolt 3/8-16 x 1-1/2	1
43	915113	Eslok Nut 3/8-16	1
44	108035	Spring-Clutch Return	1
45	920225	Special Washer	1
46	933267	Spirol Pin 5/32 x 1-1/4	1
47	920009	Washer 3/8 SAE	1



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Figure 5 - 1 Hitches

Figure 5-1
HITCHES

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	101711	Front Hitch Housing	1
2	105859	Latch-Front Hitch	1
3	101750	Rod	1
4	101751	Rod-Front Hitch Lock	1
5	105797	E-Ring	8
6	101707	Lock	1
7	8616	Spring	2
8	105316	Cap-Lock Rod	2
9	1644	Drawbar Hitch	1
10	105269	Shaft-Drawbar Hitch	1
11	979120	Spacer	2
12	5618	E-Ring	2
13	106634	Hitch Pin	1
14	933505	Hairpin Cotter	1
15	102644	Mid Hitch Plate	2
16	102672	Rod-Mid Hitch Lock	1
17	117930	Latch-Mid Hitch	1
18	101017	Lock	1
19	908034	Bolt 3/8-16×1	3
20	915663	E.S. Nut 3/8-16	5
21	908035	Bolt 3/8-16×1 1/4	2
22	9038	Grip	1

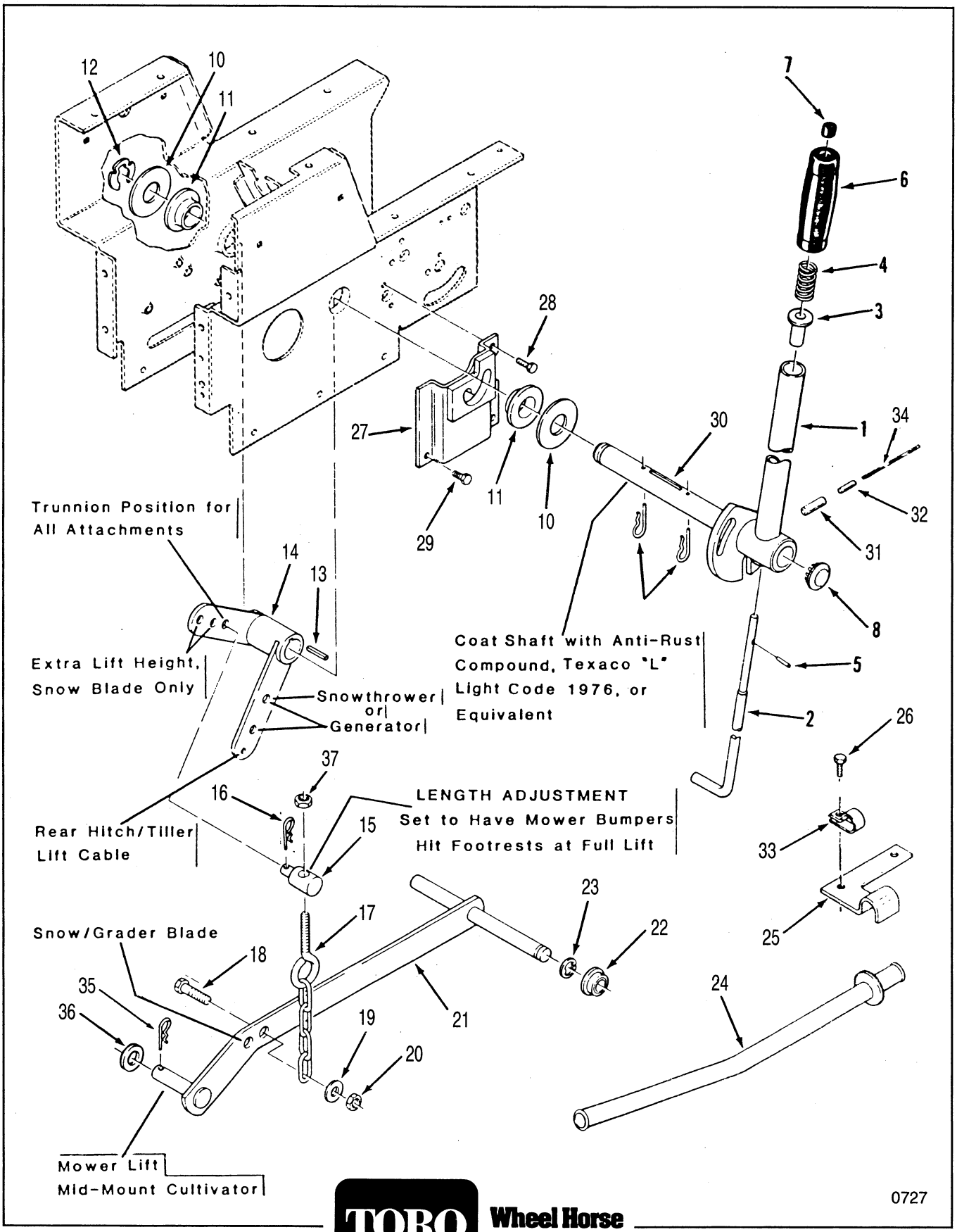
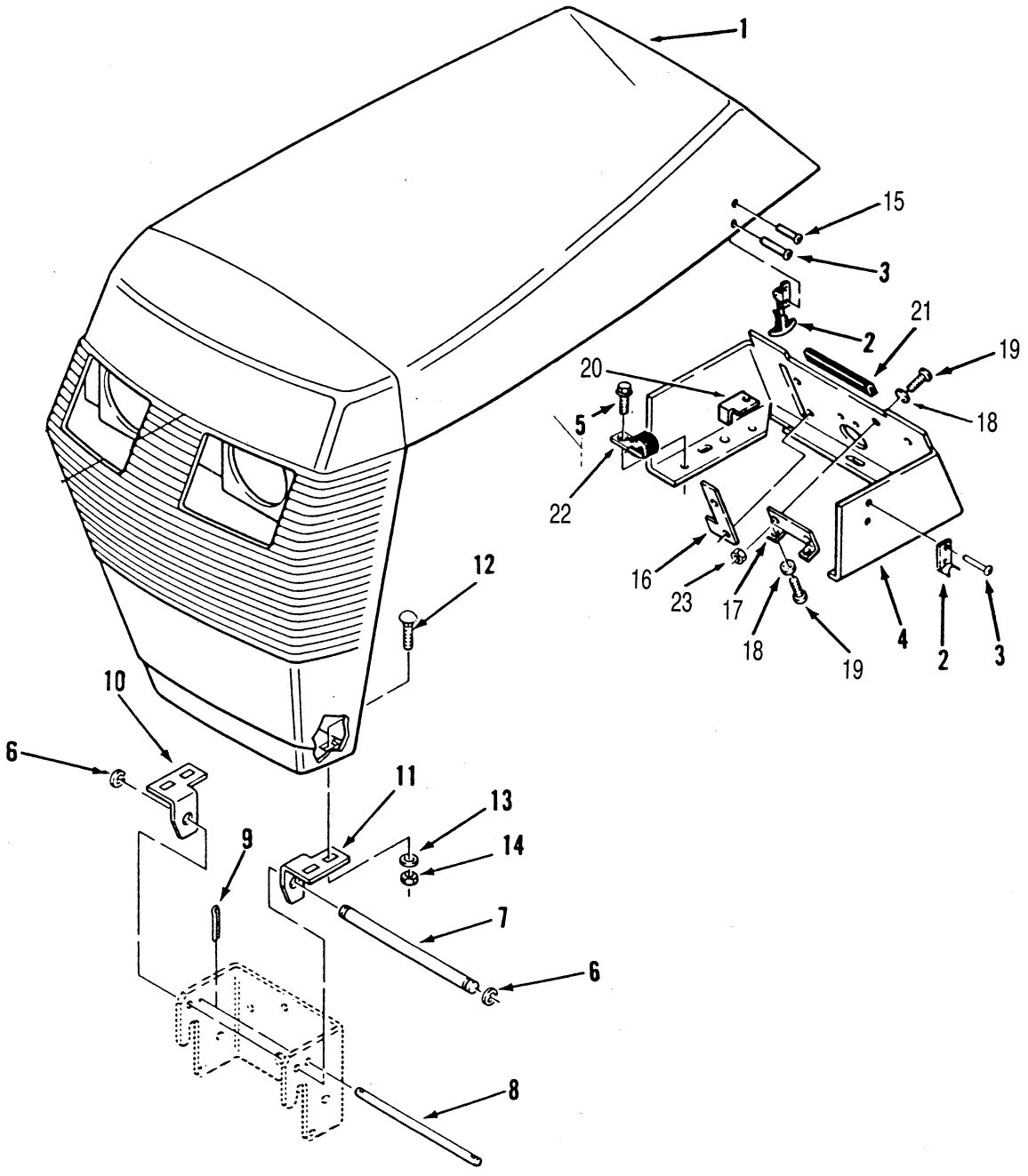


Figure 5 - 2 Manual Lift Linkage

Figure 5-2
MANUAL LIFT LINKAGE

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	108563	Lift Lever (Includes Items 46, 47, 48)	1
2	106257	Latch Rod	1
3	8130	Spring Retainer	1
4	3624	Spring	1
5	933148	Spirol Pin 1/8 x 1/2	1
6	6542	Grip-Lift Lever	1
7	105316	Rod Cap	1
8	4944	Plug Button	1
9	933507	Hairpin Cotter	2
10	920017	Washer 1 in. SAE	3
11	106269	Bushing	2
12	106414	Retainer	1
13	1121	Key 1/4 Sq. x 1-3/16	1
14	106218	Bellcrank	1
15	6739	Trunnion	1
16	933504	Hairpin Cotter	1
17	106522	Lift Chain	1
18	908020	Bolt 5/16-18 x 1 1/4	1
19	920008	Washer 5/16	1
20	915662	Nut 5/16-18 E.S.	1
21	113445	Lift Bar	1
22	6229	Bearing	1
23	5701	E-Ring	1
24	105845	Tube-Rear Lift Cable	1
25	108903	Clamp-Tube	1
26	908034	Eslok Bolt 3/8-16 x 1	2
27	106411	Latch Bracket	1
28	926694	S.T. Bolt 5/16-18 x 5/8	1
29	926696	S.T. Bolt 5/16-18 x 7/8	2
30	108565	Shaft	1
31	933268	Spirol Pin	1
32	933230	Roll Pin	1
33	8830	Clamp	1
34	111154	Lock Wire	1
35	933505	Hairpin Cotter	1
36	920011	Washer 1/2 SAE	1
37	915663	E.S. Nut 3/8-16	1



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Figure 6 - 1 Sheet Metal and Covers

Figure 6-1
SHEET METAL AND COVERS

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	112358	Hood	1
2	106825	Hood Latch (includes 109236 Handle Ass'y & 109237 Latch Keeper)	2
3	117432	Pop Rivet 1/8 x .294	4
4	111271	Console	1
5	926694	Washer Hd. S.T. Bolt 5/16-18 x 5/8	3
6	105797	E-ring	2
7	116745	Pivot Rod	1
8	101850	Hood Stop Rod	1
9	932000	Cotter Pin 1/16 x 1/2	2
10	116746	Bracket RH	1
11	116747	Bracket LH	1
12	900015	Carriage Bolt 1/4-20 x 3/4	4
13	920007	Washer 1/4 SAE	4
14	915661	Nut 1/4-20 E.S.	4
15	117431	Pop Rivet 1/8 x .232	2
16	111182	Throttle Stop	1
17	112506	Bracket	1
18	920150	Internal Tooth Lockwasher nr. 6	4
19	9107622	Screw nr. 6-32 x 3/8 Black	4
20	112415	PTO Stop	1
21	111757	Console Edging	1
22	111392	J-Clip	1
23	915960	Nut. nr. 6-32	4
	5979	Nyliner Bushing - not illustrated - used with reference nrs. 7, 10 & 11	4

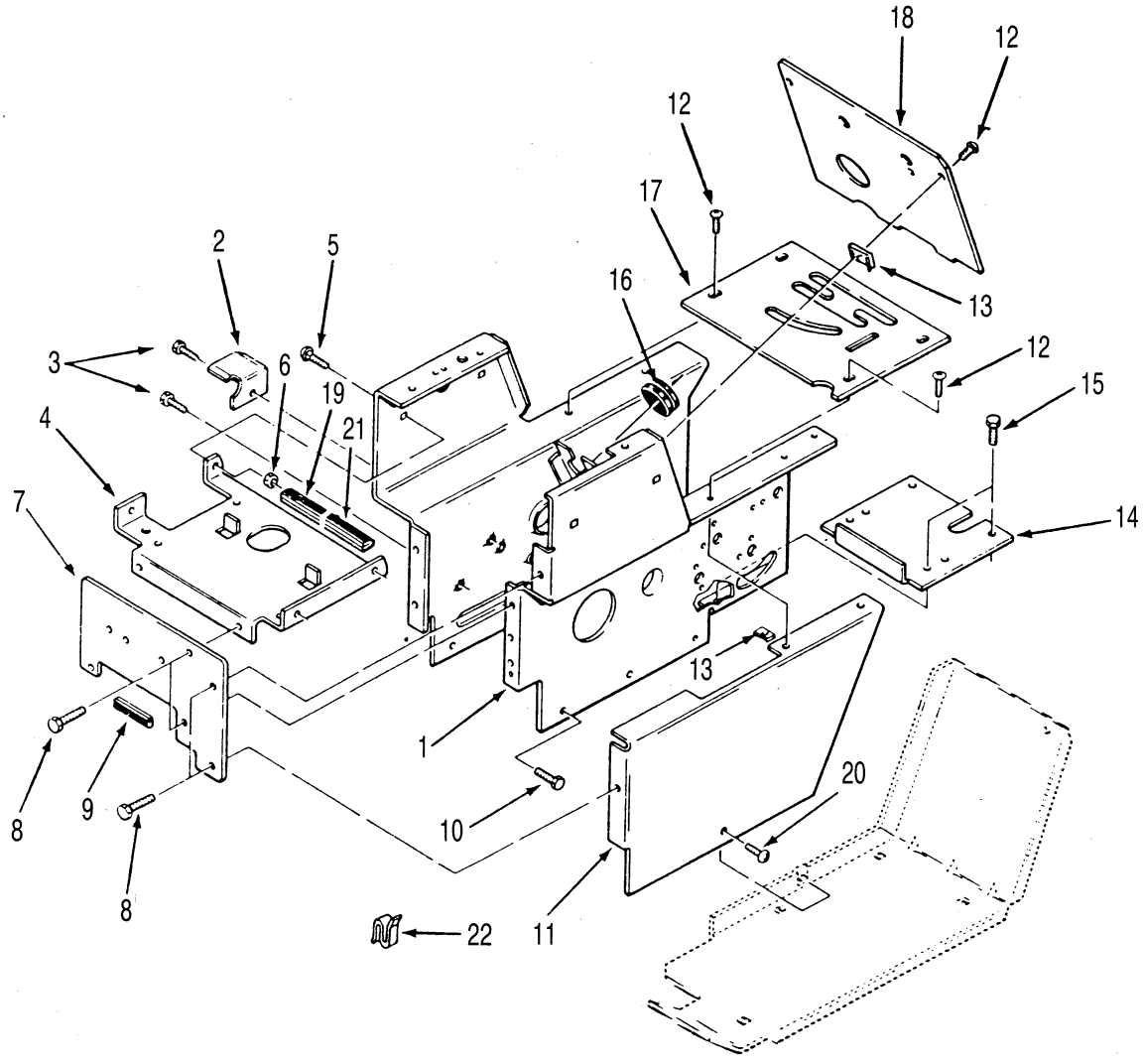


Figure 6-2 Sheet Metal and Covers

Figure 6-2
SHEET METAL AND COVERS

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	109765	Hoodstand	1
2	106261	Belt Bracket	1
3	926694	S.T. Bolt 5/16-18 x 5/8	1
4	78-0410	Battery Support Bracket	1
5	117371	Carriage Bolt 5/16-18 x 1/2	4
6	915112	Eslok Nut 5/16-18	4
7	106342	Front Plate	1
8	926694	S.T. Bolt 5/16-18 x 5/8	6
9	106772	Edge Trim	1
10	926694	S.T. Bolt 5/16-18 x 5/8	4
	926696	S.T. Bolt 5/16-18 x 7/8	2
11	109323	Side Cover LH	1
12	9108372	Screw 1/4-20 x 5/8 Black	6
13	107069	Speed Nut	6
14	106250	Dust Cover	1
15	926694	S.T. Bolt 5/16-18 x 5/8	4
16	104248	Grommet	1
17	111387	Shift Cover Plate	1
18	111034	Hoodstand Plate	1
19	110142	Edge Trim	1
20	910837	Screw 1/4-20 x 5/8	1
21	106454	Edge Trim	1
22	3023	Clip	1

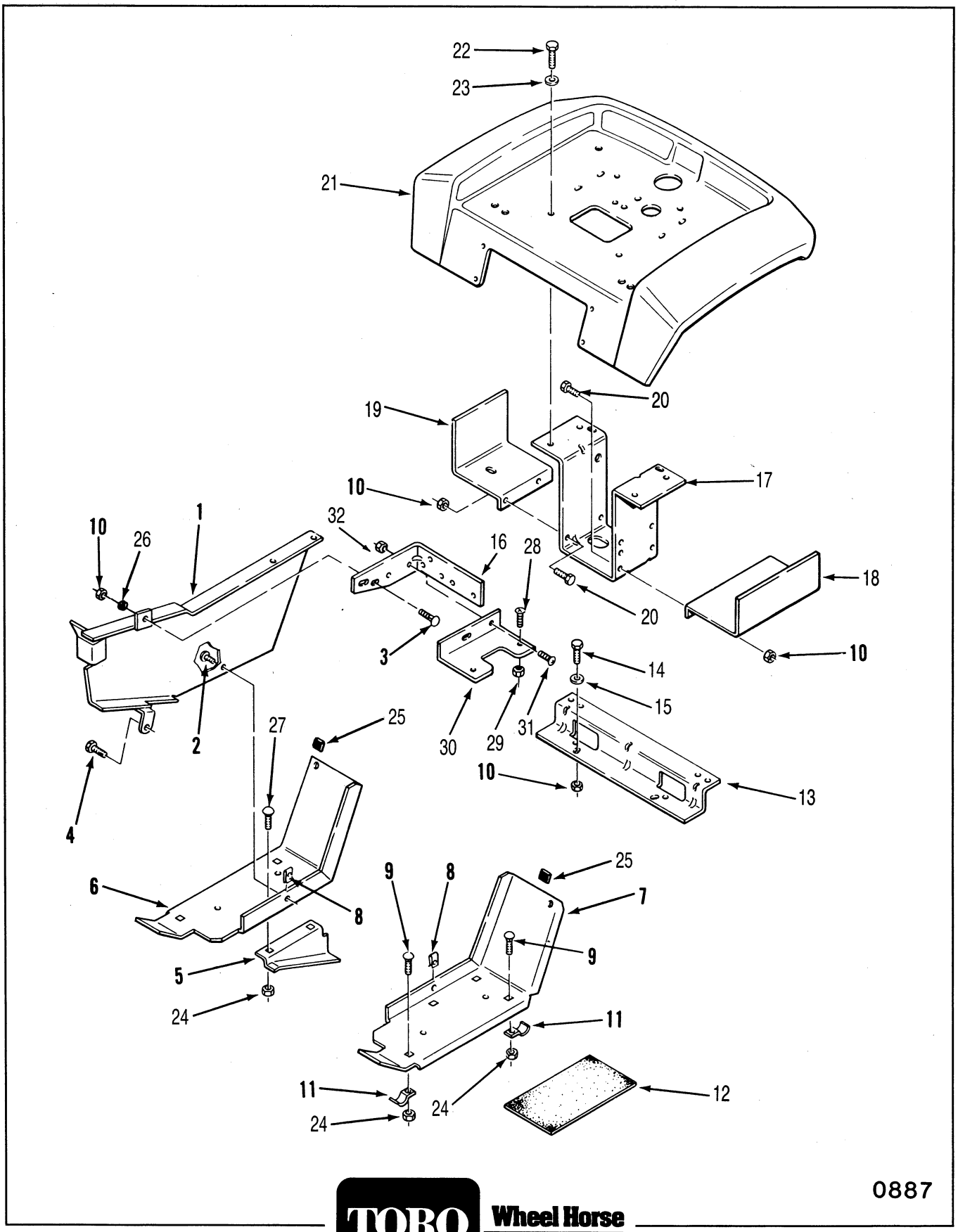
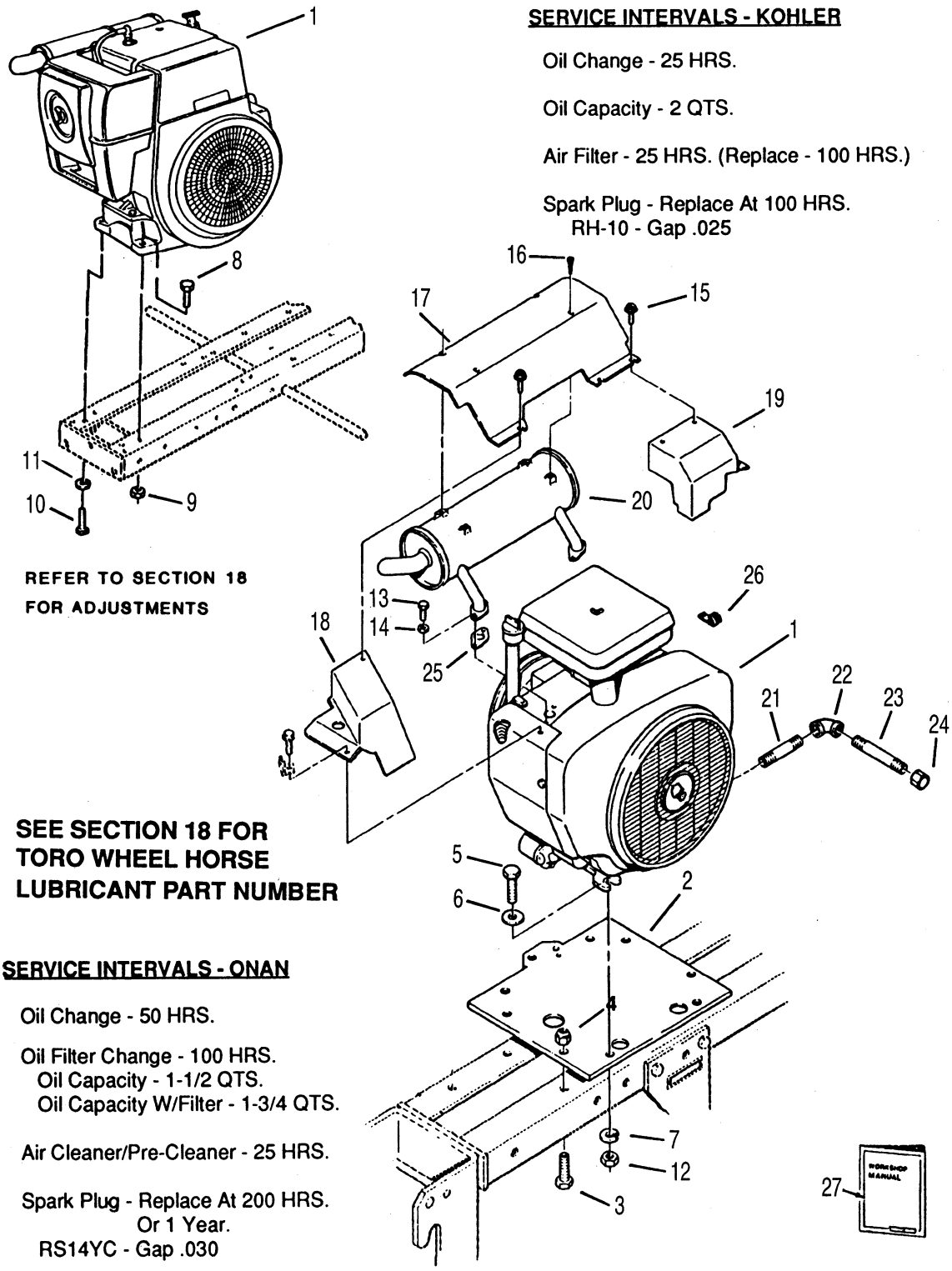


Figure 6 - 3 Sheet Metal and Covers

Figure 6-3
SHEET METAL AND COVERS

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	114877	Belt Guard 416-8	1
	107975	Belt Guard 312-8	1
2	910837	Screw 1/4-20 x 5/8	2
3	900037	Carriage Bolt 5/16-18 x 3/4	1
4	926694	S.T. Bolt 5/16-18 x 5/8	1
5	106352	Lower Belt Guard	1
6	106222	Foot Rest RH	1
7	106223	Foot Rest LH	1
8	107069	Speed Nut	2
9	116000	Carriage Bolt 5/16-18 x 5/8	6
10	915662	Nut 5/16-18 E.S.	7
11	7456	Clamp	4
12	110636	Footrest Pad	2
13	107951	Fender Bracket-Front	1
14	908017	Bolt 5/16-18×3/4	2
15	920008	Washer 5/16 SAE	2
16	109554	Support Bracket-Belt Guard	1
17	108897	Fender Support Bracket	1
18	108464	Fuel Tank Support LH	1
19	106236	Fuel Tank Support RH	1
20	908017	Bolt 5/16-18 x 3/4	4
21	110960	Fender	1
22	926694	S.T. Bolt 5/16-18 x 5/8	4
23	920008	Washer 5/16 SAE	4
24	915662	Eslok Nut 5/16-18	6
25	518211	Bumper	2
26	108457	Push Nut	1
27	118620	Carriage Bolt 5/16-18 x 3/4	2
28	910794	Machine Screw nr. 10-24×3/4 - 312-8 Only	2
29	915740	E.S. Nut nr. 10-24 - 312-8 Only	2
30	118280	Fuse Holder - 312-8 Only	1
	117331	Fuse Holder - 416-8 Only	1
31	908002	Machine Screw nr. 10-24×5/8	2
32	915661	E.S. Nut 1/4 - 20	1



SERVICE INTERVALS - KOHLER

Oil Change - 25 HRS.

Oil Capacity - 2 QTS.

Air Filter - 25 HRS. (Replace - 100 HRS.)

Spark Plug - Replace At 100 HRS.
RH-10 - Gap .025

REFER TO SECTION 18 FOR ADJUSTMENTS

SEE SECTION 18 FOR TORO WHEEL HORSE LUBRICANT PART NUMBER

SERVICE INTERVALS - ONAN

Oil Change - 50 HRS.

Oil Filter Change - 100 HRS.
Oil Capacity - 1-1/2 QTS.
Oil Capacity W/Filter - 1-3/4 QTS.

Air Cleaner/Pre-Cleaner - 25 HRS.

Spark Plug - Replace At 200 HRS.
Or 1 Year.
RS14YC - Gap .030

REFER TO ENGINE SERVICE MANUAL FOR ADDITIONAL SERVICE ADJUSTMENTS

1900

TORO® Wheel Horse Tractors & Riding Mowers

Figure 7 - 1 Engines

ITEM	PART NUMBER	DESCRIPTION	Quantity
		Figure 7-1 ENGINES	
1	117353	Engine 12HP Kohler M-12-S Spec 471527 - 312	X
	117349	Engine 16HP Toro Power Plus P216G-I/10976C - 416	X
2	116609	Engine Plate	1
3	908035	Bolt 3/8-16×1 1/4	4
4	815553	E.S. Nut 3/8-16	4
5	908035	Bolt 3/8-16×1 1/4	4
6	920009	Washer 3/8 SAE	4
7	920083	Lockwasher 3/8	4
8	908036	Bolt 3/8-16×1 1/2 310,312	2
9	915663	Nut 3/8-16 E.S.	2
10	908034	Bolt 3/8-16×1 310,312	2
11	920083	Lockwasher 3/8	1
12	915113	Eslok Nut 3/8-16	4
13	908017	Bolt 5/16-18×3/4	4
14	920082	Lockwasher 5/16	4
15	908001	Bolt 1/4-20×1/2	3
16	910331	Screw # 10-24×3/8	4
17	114217	Air Deflector	1
18	114215	LH Exhaust Cover	1
19	114216	RH Exhaust Cover	1
20	116470	Muffler	1
21	114636	Pipe 3/8×3	1
22	114764	Elbow 90 Degree	1
23	114763	Pipe 3/8×4	1
24	5224	Cap	1
25	114214	Exhaust Gasket	2
26	111357	Clip	1
27	TP2203A	Magnum Kohler Service & Repair Manual	X
	810697R1	Toro Power Plus Service & Repair Manual	X

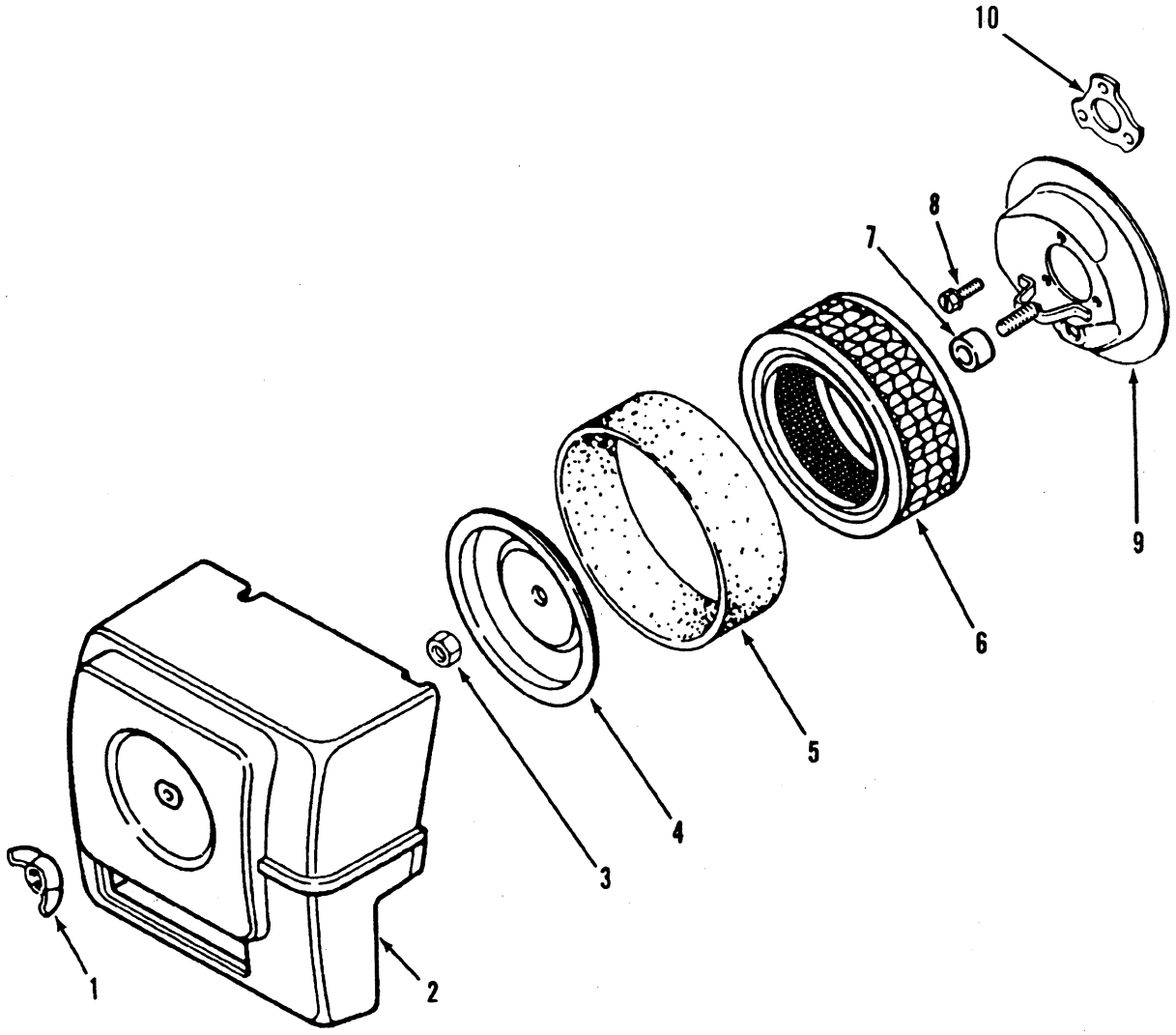


Figure 7-2 Kohler Air Intake

Figure 7-2
KOHLER AIR INTAKE

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10576	X-176-7	Wing Nut 1/4-20	1
2	KH10299	47 096 10	Air Cleaner Cover	1
3	KH10189	47 100 04	Jam Nut	1
4	KH10412	52 082 04	Air Cleaner Element Cover	1
5	KH10235	45 083 01	Precleaner Element	1
6	KH10236	45 083 02	Element	1
7	KH10034	231032	Seal	1
8	KH10609	X-67-65	Sltd. Washer Hd. Screw 10/32 x 11/32	3
9	KH10297	47 094 20	Air Cleaner Base	1
10	KH10697	47 041 07	Air Horn Gasket	1

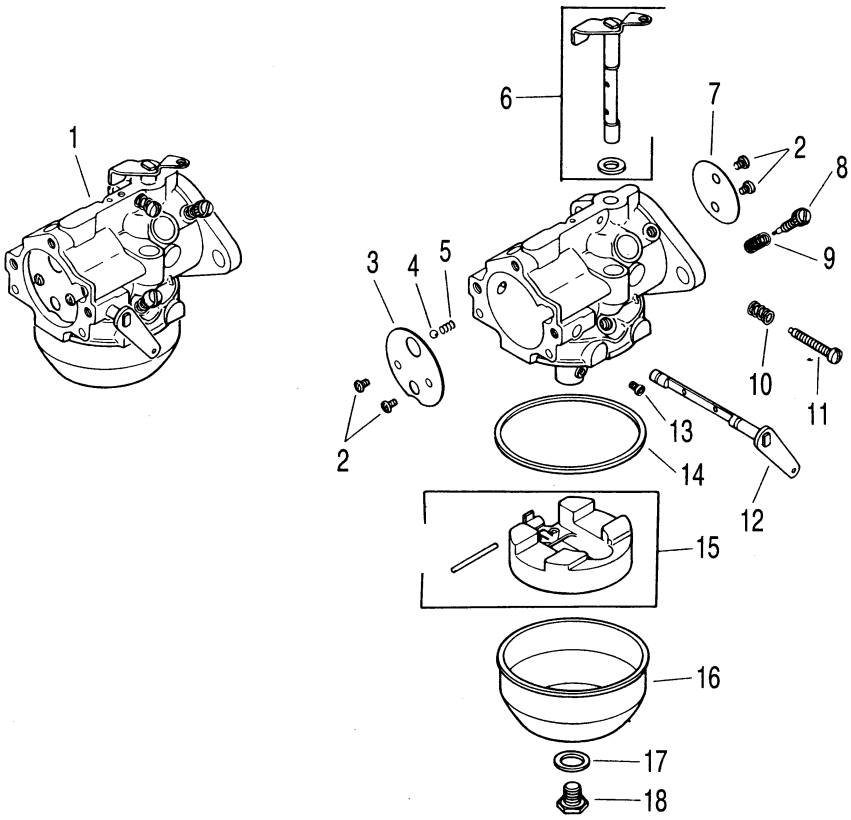


Figure 7-3 Carburetors

Figure 7-3
KOHLER CARBURETORS

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10672	47 053 65	Carburetor Assembly (Includes 5 thru 8) 310,312	1
2	KH10110	25 086 27	Screw	4
3	KH10708	47 146 08	Choke Plate	1
4	KH10128	25 194 01	Ball	1
5	KH10113	25 089 03	Spring	1
6	KH10707	47 144 21	Shaft w/Lever and Seal	1
7	KH10121	25 146 02	Throttle Plate	1
8	KH10132	25 368 01	Idle Fuel Adj. Needle	1
9	KH10112	25 089 02	Idle Fuel Spring	1
10	KH10114	25 089 04	Adj. Spring	1
11	KH10109	25 086 26	Idle Speed Adj. Screw	1
12	KH10702	47 090 38	Choke Shaftl	1
13	KH10709	47 337 02	Main Jet	1
14	KH10094	25 041 04	Gasket	1
15	KH10663	25 757 09	Float Kit	1
16	KH10117	25 104 01	Fuel Bowl	1
17	KH10093	25 041 03	Gasket	1
18	KH10116	25 100 05	Screw	1
	Not Illustrated			
	KH10696	25 757 11	Carburetor Repair Kit (Includes)	
			Flange Gasket KH10009, 210223	
			Carburetor Gasket KH10146, 271030	
			Gasket KH10733, 275341	
			Bowl Screen Gasket KH10093, 25 041 03	
			Bowl Gasket KH10094, 25 041 04	
			Plug Welch KH10734, 25 139 09	
			Plug Welch KH10735, 25 139 10	
			Inlet Valve KH10736, 25 462 02	
			Inlet Valve Assembly KH10737, 25 462 04	
			Air Cleaner Gasket KH10677, 41 041 11	
			Gasket KH10697, 45 041 07	
			Carburetor Gasket KH10274, 47 049 01	X
	KH10358	25 757 05	Choke & Throttle Repair Kit	X
	KH10710	47 755 36	High Altitude Jet Kit (Includes Bushing KH10682, 47 158 07; Main Jet KH10709, 47 337 02)	X
	KH10674	47 853 09	Carburetor W/Linkage Kit (Includes Bushing KH10682, 47 158 07; Main Jet KH10709, 47 337 02)	X
	KH10693	47 853 20	Adjustable Jet W/Linkage Kit (Includes)	
			Carburetor Linkage KH10701, 47 079 10	
			Bushing Linkage Natural KH10682, 47 158 07	
			Bushing Linkage Black KH10686, 25 158 09	
			Air Cleaner Gasket KH10697, 45 041 07	
			Carburetor Assembly KH10693, 47 053 86	
			Gasket KH10146, 271030	
			Gasket KH10274, 47 049 01	X

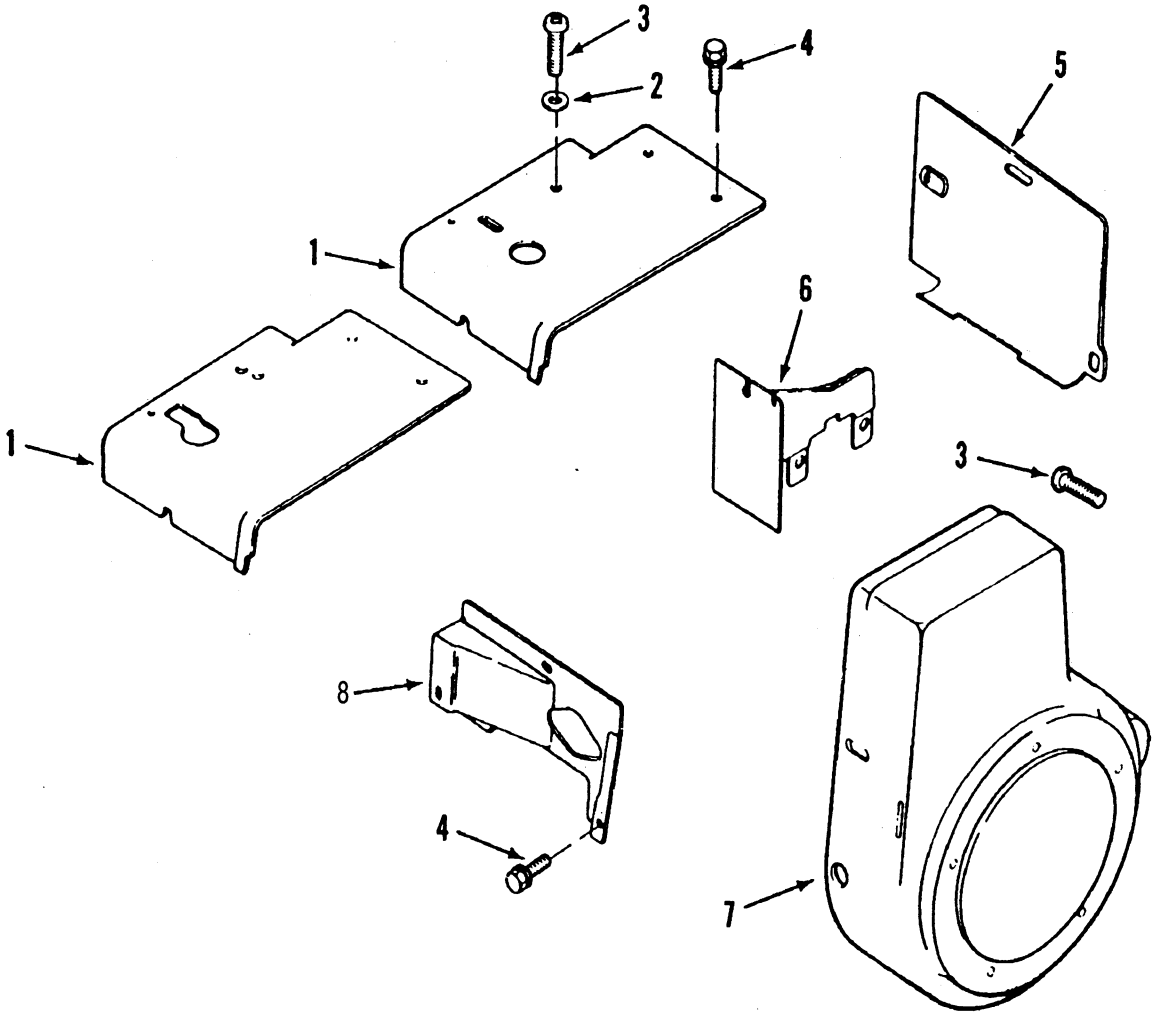


Figure 7-4 Baffles & Shrouds

Figure 7-4
KOHLER BAFFLES & SHROUDS

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10231	45 063 08	Head Baffle 312	1
2	KH10567	X-25-53	Plain Washer 1/4	1
3	KH10289	47 086 08	Pozidriv T.H. Screw 1/4-20 x 5/8	3
4	KH10413	52 086 11	Hex. Washer Hd. Screw	6
5	KH10172	47 063 10	Cylinder Baffle	1
6	KH10280	47 063 07	Inner Baffle	1
7	KH10265	47 027 42	Blower Housing	1
8	KH10279	47 063 06	Side Air Baffle	1

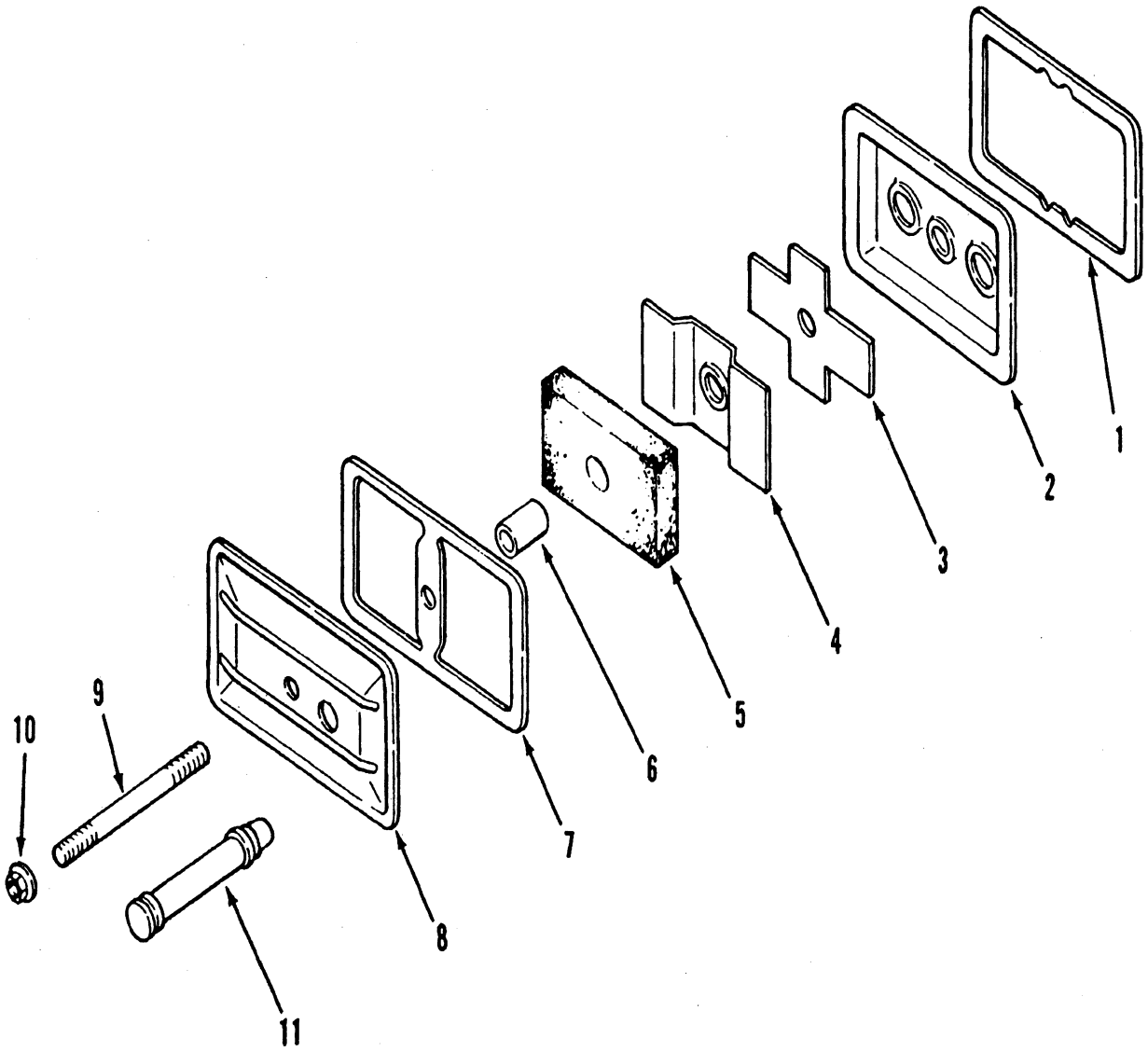


Figure 7-5 Breather & Vent

Figure 7-5
KOHLER BREATHER & VENT

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10058	235048	Breather Plate Gasket	1
2	KH10072	235631	Breather Plate	1
3	KH10057	235047	Breather Reed	1
4	KH10143	270146	Breather Baffle	1
5	KH10275	47 050 01	Breather Filter	1
6	KH10034	231032	Breather Seal	1
7	KH10149	275144	Valve Cover Gasket	1
8	KH10298	47 096 01	Valve Cover	1
9	KH10150	27d5220	Valve Cover Stud 1/4-20 x 3-1/4	1
10	KH10629	X-799-1	Palnut 1/4-20	1
11	KH10309	47 326 03	Breather Hose 3-11/32	1

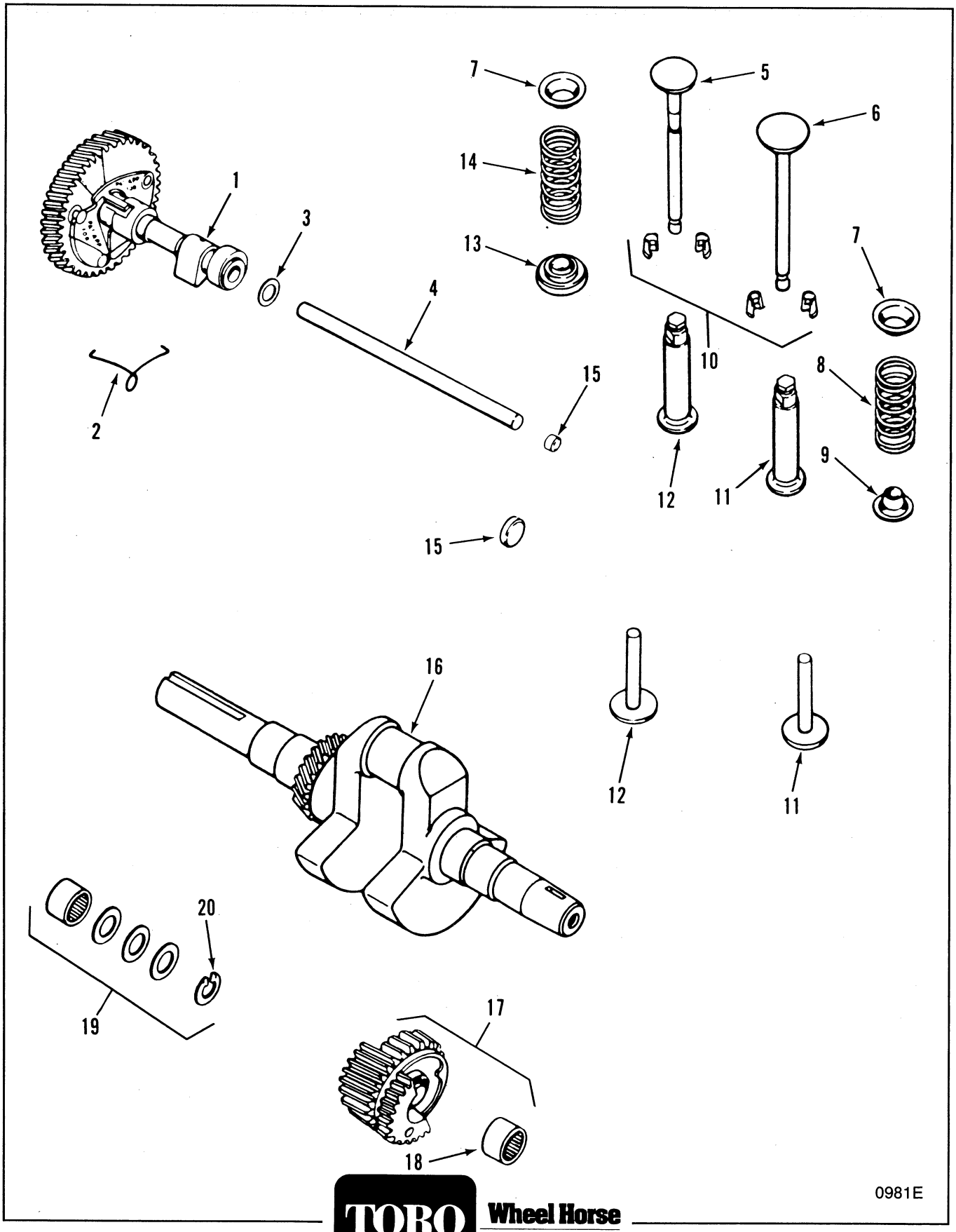


Figure 7-6 Camshaft, Crankshaft & Valves

Figure 7-6
KOHLER CAMSHAFT, CRANKSHAFT & VALVES

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10359	47 010 11	Camshaft Assy (Includes Item 2)	1
2	KH10292	47 089 01	Actuating Spring	1
3	KH10147	275066	Camshaft Spacer .005	X
	KH10148	275067	Camshaft Spacer .010	X
4	KH10310	47 380 09	Camshaft Pin	1
5	KH10074	235838	Exhaust Valve, 312	1
6	KH10052	235008	Intake Valve, 312	1
7	KH10054	235011	Upper Spring Retainer	2
8	KH10053	235010	Intake Valve Spring 312	1
9	KH10018	230011	Spring Retainer, 312	1
10	KH10221	41 755 10	Retainer Kit	2
11	KH10539	D-235327	Intake Valve Tappet	1
12	KH10539	D-235327	Exhaust Valve Tappet	1
13	KH10496	52 413 01	Valve Rotator	2
14	KH10062	235168	Exhaust Valve Spring 312,	1
15	KH10617	X-702-3	Cup Plug 1/2 O.D.	1
16	KH10655	47 142 16	Crankshaft Kit 3-25/32 x 1-1/8 (Includes Flywheel Hdwr.) 312	1
17	KH10732	45 043 01	Gear Assembly (Includes Item 18) 312,	2
18	KH10267	47 030 01	Needle Bearing 312,	2
19	KH10322	47 755 01	Spacer Kit (Includes Item 20) 312,	2
20	KH10574	X-269-34	Retainer 312,	1

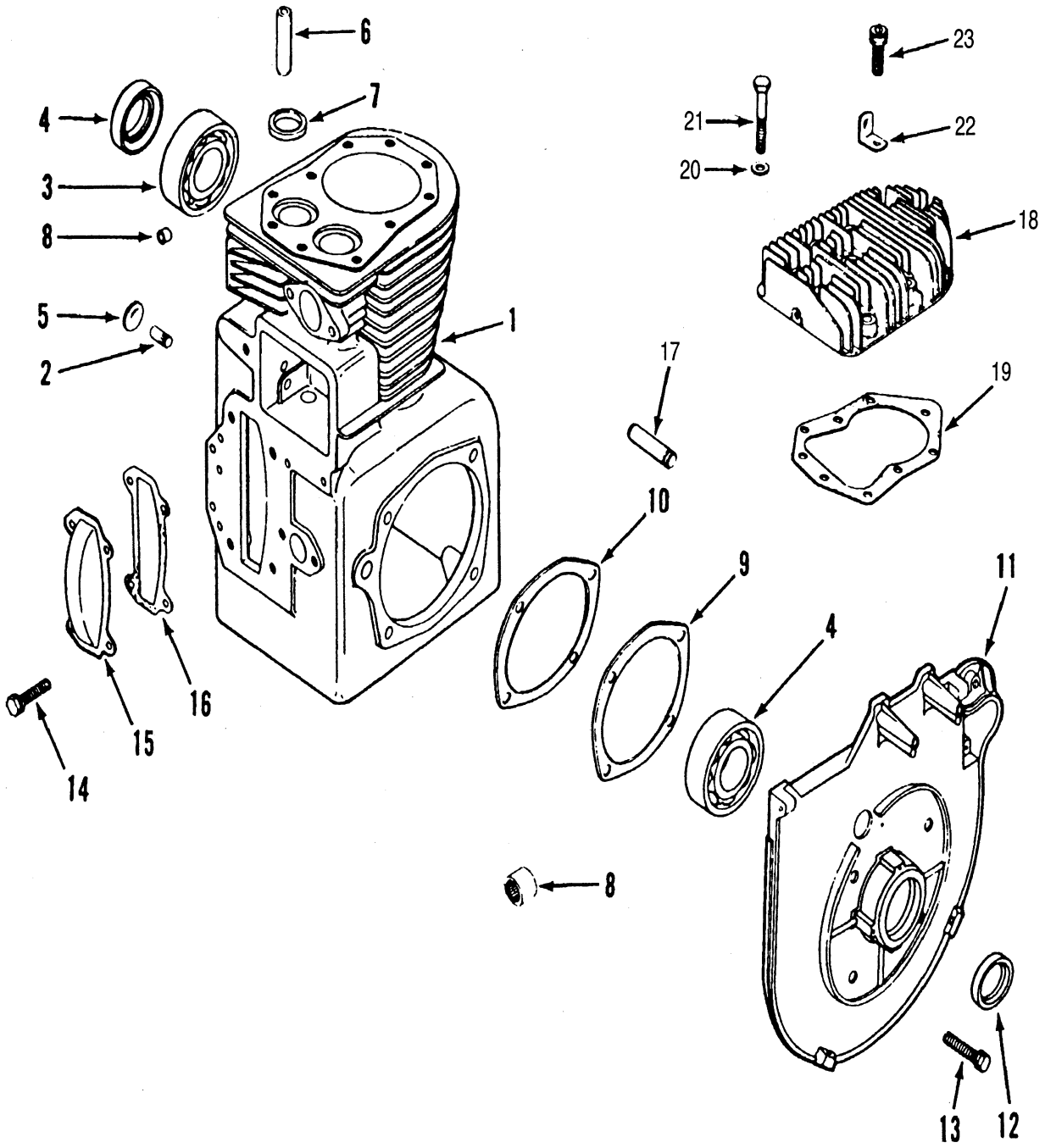


Figure 7-7 Crankcase & Cylinder Head

Figure 7-7
KOHLER CRANKCASE & CYLINDER HEAD

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10317	47 522 95	Cylinder Block - Service With Short Block (Includes Crankshaft) 312	X
	KH10721	47 782 67	Miniblock (Less Crankshaft) 312	X
2	KH10061	235125-S	Governor Gear Shaft	1
3	KH10067	235376	Ball Bearing	2
4	KH10269	47 032 07	Rear Oil Seal	1
5	KH10562	X-230-11	Expansion Plug	1
6	KH10015	230007-S	Valve Guide	2
7	KH10028	230170	Exhaust Valve Insert, 312	1
8	KH10049	234866	Governor Cross Shaft Bearing	1
9	KH10272	47 041 09	Bearing Plate Gasket	1
10	KH10311	47 422 05	Shim Gasket	X
11	KH10306	47 146 07	Bearing Plate	1
12	KH10268	47 032 06	Front Oil Seal	1
13	KH10549	X-159-2	H.C. Sems Screw 3/8-16 x 1	4
14	KH10545	X-132-6	H.C. Sems Screw 1/4-20 x 1/2	4
15	KH10661	23d5026	Camshaft Cover	1
16	KH10055	235025	Camshaft Cover Gasket	1
17	KH10081	236559	Balance Gear Shaft 312,	1
18	KH10261	47 015 06	Cylinder Head	1
19	KH10273	47 041 10	Head Gasket	1
20	KH10145	270889	Plain Washer 8/86	9
21	KH10144	270158	H.C. Screw 3/8-16 x 1-1/2	8
22	KH10312	47 445 02	Lifting Strap	1
23	KH10290	47 086 17	Hex. Hd. Screw 3/8-16 x	1

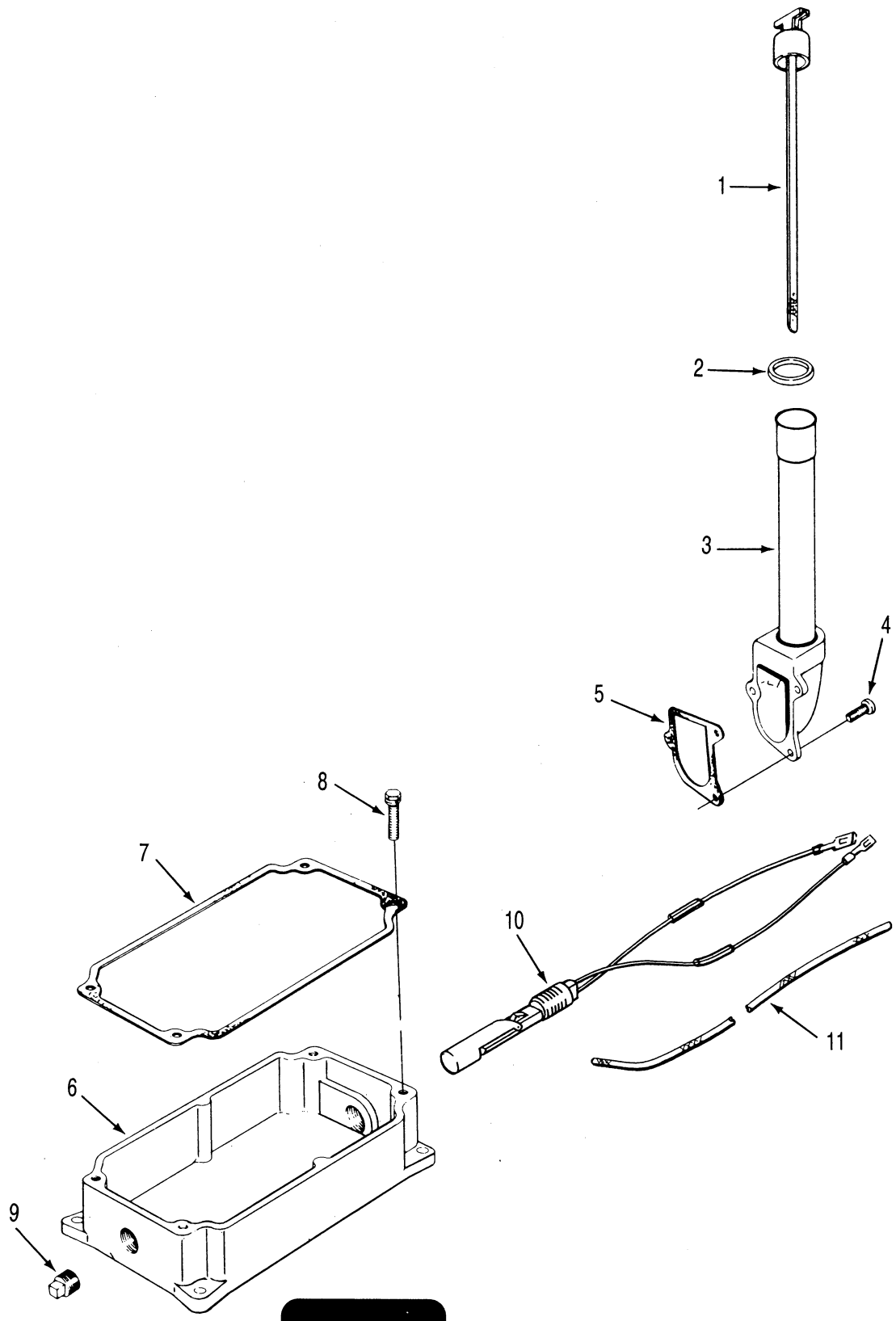
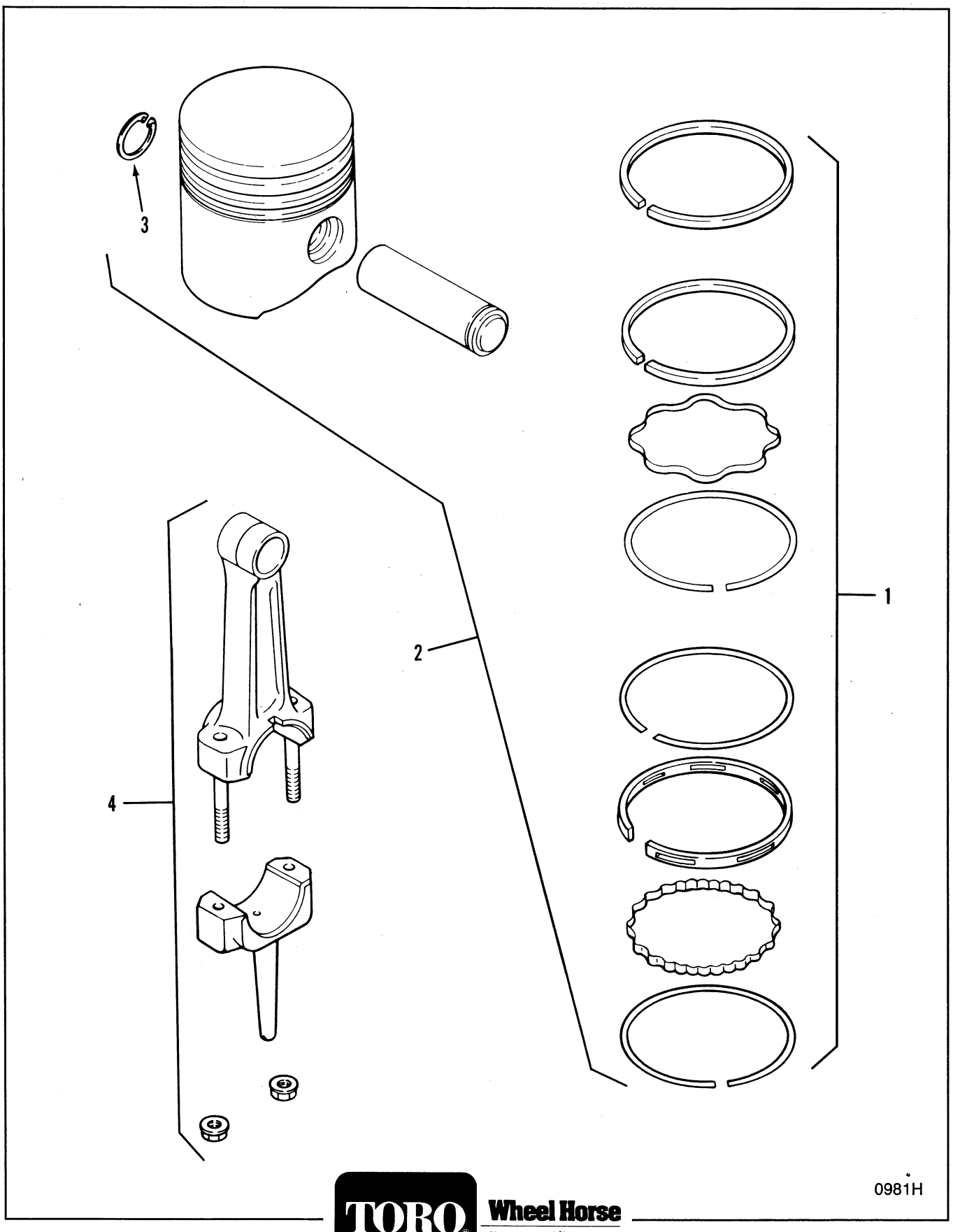


Figure 7-8 Oil Pan & Dipstick

Figure 7-8
KOHLER OIL PAN & DIPSTICK

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10270	47 038 27	Dipstick 15-5/8	1
2	KH10201	41 153 01	O-ring	1
3	KH10266	47 029 06	Oil Fill Adapter	1
4	KH10541	X-131-2	F.H. Sems Screw # 10-24×1/2	3
5	KH10088	237064	Adapter Gasket	1
6	KH10730	45 199 05	Oil Pan	1
7	KH10059	235057	Oil Pan Gasket	1
8	KH10550	X-159-3	H.C. Sems Screw 3/8-16×1 1/4	4
9	KH10620	X-75-10	Sq. Hd. Plug 3/8 NPTF	4
10	KH10138	25 704 01	Float Switch Kit (Includes Items 12 & Decal)	1
11	KH10134	25 431 02	Sleeving	1
Not Illustrated				
	KH10119	25 113 05	Float Switch Decal	1
	KH10345	48 155 01	Female Connector (5-Contact)	1
	KH10325	47 755 27	Gasket Set w/Seals	X
	KH10258	47 004 02	Gasket Set w/o Seals	X



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Figure 7-9 Piston & Rings

Figure 7-9
KOHLER PISTON & RINGS

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10063	235287	Ring Set Std. & .003 310	1
	KH10064	235288	Ring Set .010 310	1
	KH10065	235289	Ring Set .020 310	1
	KH10066	235290	Ring Set .030 310	1
	KH10703	47 108 01	Ring Set Std. & .003 312	1
	KH10704	47 108 02	Ring Set .010 312	1
	KH10705	47 108 03	Ring Set .020 312	1
	KH10706	47 108 04	Ring Set .030 312	1
2	KH10329	47 874 01	Piston w/Ring Set Std. 310	1
	KH10330	47 874 02	Piston w/Ring Set .003 310	1
	KH10331	47 874 03	Piston w/Ring Set .010 310	1
	KH10332	47 874 04	Piston w/Ring Set .020 310	1
	KH10333	47 874 05	Piston w/Ring Set .030 310	1
	KH10711	47 874 16	Piston w/Ring Set Std. 312	1
	KH10712	47 874 17	Piston w/Ring Set .003 312	1
	KH10713	47 874 18	Piston w/Ring Set .010 312	1
	KH10714	47 874 19	Piston w/Ring Set .020 312	1
	KH10715	47 874 20	Piston w/Ring Set .030 312	1
3	KH10262	47 018 01	Piston Pin Retainer	2
4	KH10285	45 067 13	Connecting Rod Std. 310	1
	KH10286	45 067 14	Connecting Rod .010 310	1
	KH10698	47 067 24	Connecting Rod Std. 312	1
	KH10699	47 067 25	Connecting Rod .010 312	1

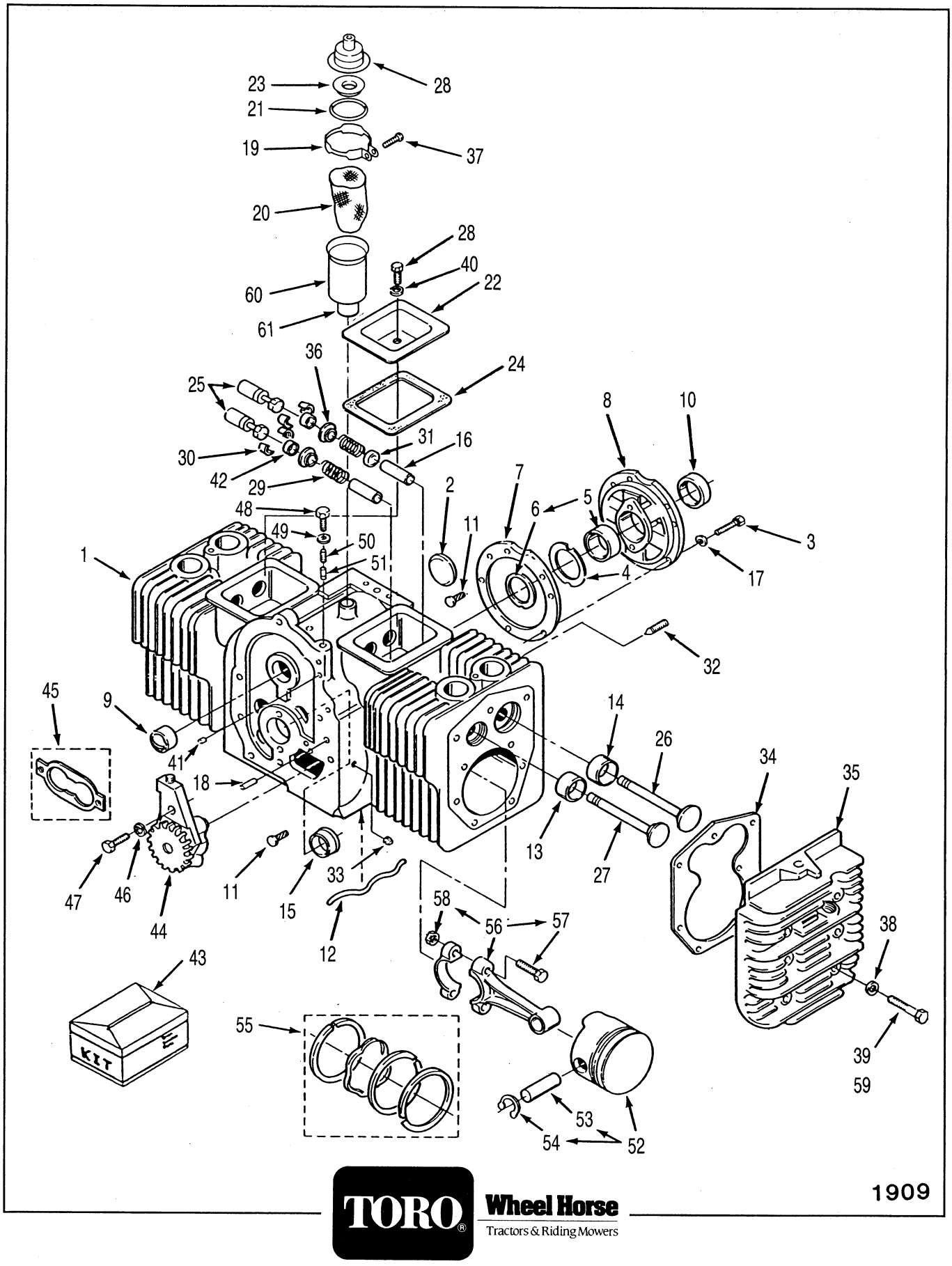
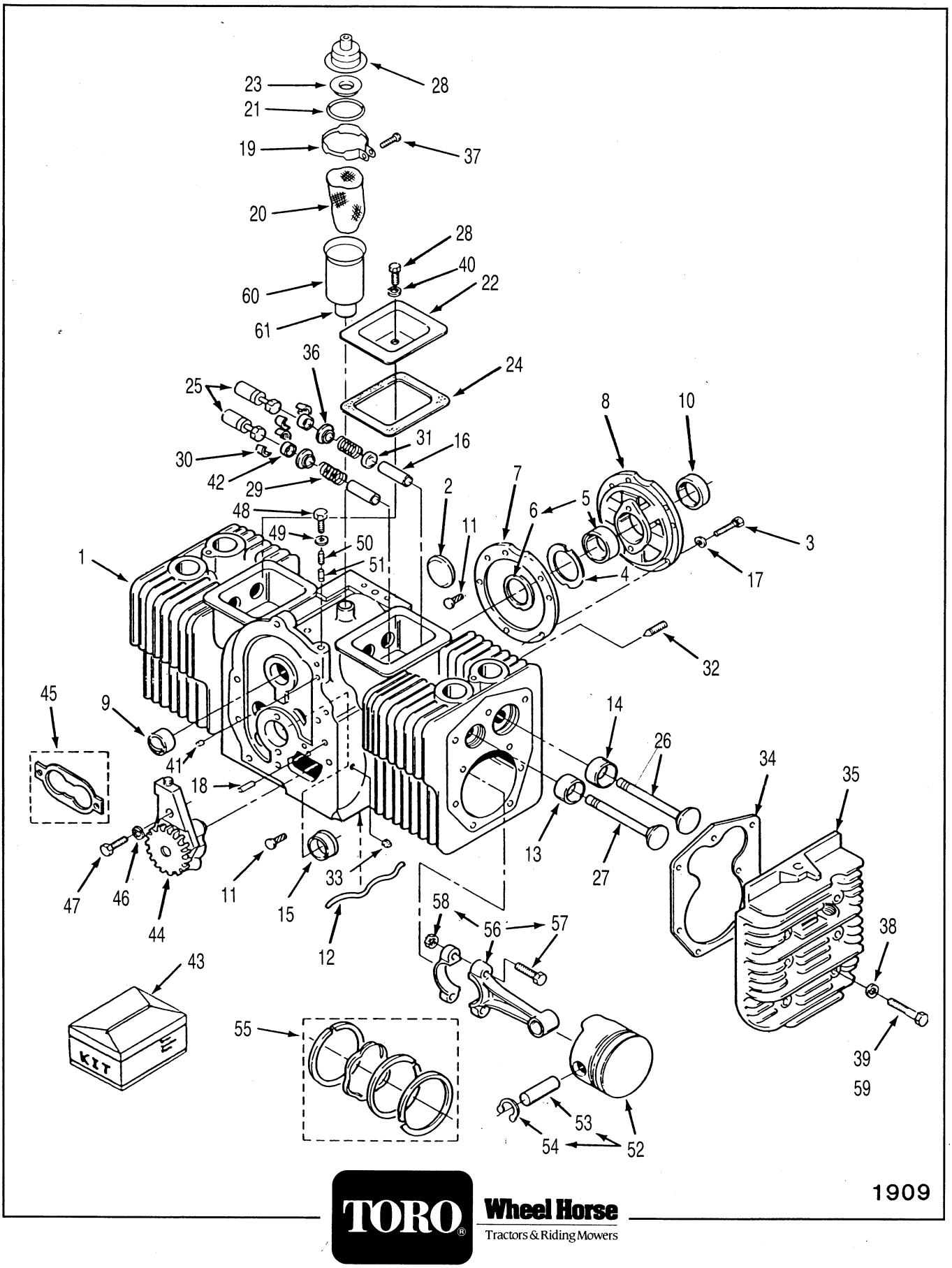


Figure 7-10 Engine Cylinder Block

Figure 7-10
ENGINE CYLINDER BLOCK

ITEM	TORO WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10850	Short Block	1
2	NN10338	Plug	1
3	NN10442	Bolt 3/8-16 × 1-1/4	5
4	NN10023	Shim 0.005"	X
5	NN10009	Crankshaft Rear Brg - Standard	1
	NN10010	Crankshaft Rear Brg - .002" Under	1
	NN10011	Crankshaft Rear Brg - .010" Under	1
	NN10012	Crankshaft Rear Brg - .020" Under	1
	NN10013	Crankshaft Rear Brg - .030" Under	1
6	NN10022	Thrust Washer	2
7	NN10554	Gasket	1
8	NN10008	Bearing Plate	1
9	NN10001	Camshaft Brg.	2
10	NN10321	Oil Seal	1
11	NN10334	Stop Pin	4
12	NN10139	Oil Tube	1
13	NN10054	Exhaust Seat Insert - Standard	2
	NN10055	Exhaust Seat Insert - .002" Oversize	2
	NN10056	Exhaust Seat Insert - .005" Oversize	2
	NN10057	Exhaust Seat Insert - .010" Oversize	2
	NN10085	Exhaust Seat Insert - .025" Oversize	2
14	NN10035	Intake Seat Insert - Standard	2
	NN10036	Intake Seat Insert - .002" Oversize	2
	NN10037	Intake Seat Insert - .005" Oversize	2
	NN10038	Intake Seat Insert - .010" Oversize	2
	NN10039	Intake Seat Insert - .025" Oversize	2
15	NN10003	Front Crankshaft Brg - Standard	1
	NN10004	Front Crankshaft Brg - .002" Under	1
	NN10005	Front Crankshaft Brg - .010" Under	1
	NN10006	Front Crankshaft Brg - .020" Under	1
	NN10007	Front Crankshaft Brg - .030" Under	1
16	NN10084	Exhaust Valve Guide	2
	NN10083	Intake Valve Guide	2
17	NN10421	Spring Washer 3/8	5
18	NN10336	Pin	2
19	NN10148	Clamp	1
20	NN10156	Baffle Breather	1
21	NN10322	Seal	1
22	NN10821	Valve Cover	2
23	NN10151	Screen	2
24	NN10822	Gasket	2
25	NN10129	Tappet - Standard	4
	NN10130	Tappet .002" Oversize	4
	NN10131	Tappet .004" Oversize	4
26	NN10075	Intake Valve	2
27	NN10076	Exhaust Valve	2
28	NN10370	Bolt 1/4-20 × 1-3/4	2
29	NN10077	Spring	4
30	NN10082	Spring Lock	8
31	NN10326	Seal	2



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Figure 7-10 Engine Cylinder Block

ITEM	TORO WHEEL HORSE PART NO.	DESCRIPTION	Quantity
		Figure 7-10 ENGINE CYLINDER BLOCK (CONT'D)	
32	NN10385	Screw 3/8-16 × 5/8	2
33	NN10307	Plug	1
34	NN10070	Gasket	2
35	NN10080	Right Cylinder Head	1
	NN10079	Left Cylinder Head	1
36	NN10078	Retaining Washer	4
37	NN10387	Screw #8 × 3/4	1
38	NN10363	Flat Washer 1/4	18
39	NN10381	Special Bolt 2" long	10
40	NN10359	Washer 1/4	2
41	NN10339	Plug	1
42	NN10081	Valve Cap	4
43	NN10257	Complete Engine Gasket Kit	1
	NN10561	Valve Grind/Carbon Removal	1
44	NN10136	Oil Pump-Complete	1
45	NN10134	Oil Pump-Gasket Kit	1
46	NN10419	Spring Washer	2
47	NN10369	Bolt 1/4-20 × 1	2
48	NN10383	Bolt 3/8-24 × 7/8	1
49	NN10361	Washer 3/8	1
50	NN10133	Spring	1
51	NN10135	Plunger	1
52	NN10088	Piston Pin & Retaining Rings - STD	2
	NN10089	Piston Pin & Retaining Rings - .005"	2
	NN10090	Piston Pin & Retaining Rings - .010"	2
	NN10091	Piston Pin & Retaining Rings - .020"	2
	NN10092	Piston Pin & Retaining Rings - .030"	2
	NN10093	Piston Pin & Retaining Rings - .040"	2
53	NN10100	Piston Pin	2
54	NN10345	Retaining Ring	4
55	NN10101	Piston Ring Set-Standard	2
	NN10102	Piston Ring Set .005" Oversize	2
	NN10103	Piston Ring Set .010" Oversize	2
	NN10104	Piston Ring Set .020" Oversize	2
	NN10105	Piston Ring Set .030" Oversize	2
	NN10106	Piston Ring Set .040" Oversize	2
56	NN10125	Rod w/ Bolts & Nuts - STD.	2
	NN10126	Rod w/ Bolts & Nuts - .010"	2
	NN10127	Rod w/ Bolts & Nuts - .020"	2
	NN10128	Rod w/ Bolts & Nuts - .030"	2
57	NN10120	Special Rod Bolt	4
58	NN10428	Nut	4
59	NN10382	Special Bolt 2.375" Long	8
60	NN10150	Breather Cap and Valve	1
61	NN10149	Baffle Breather Tube	1

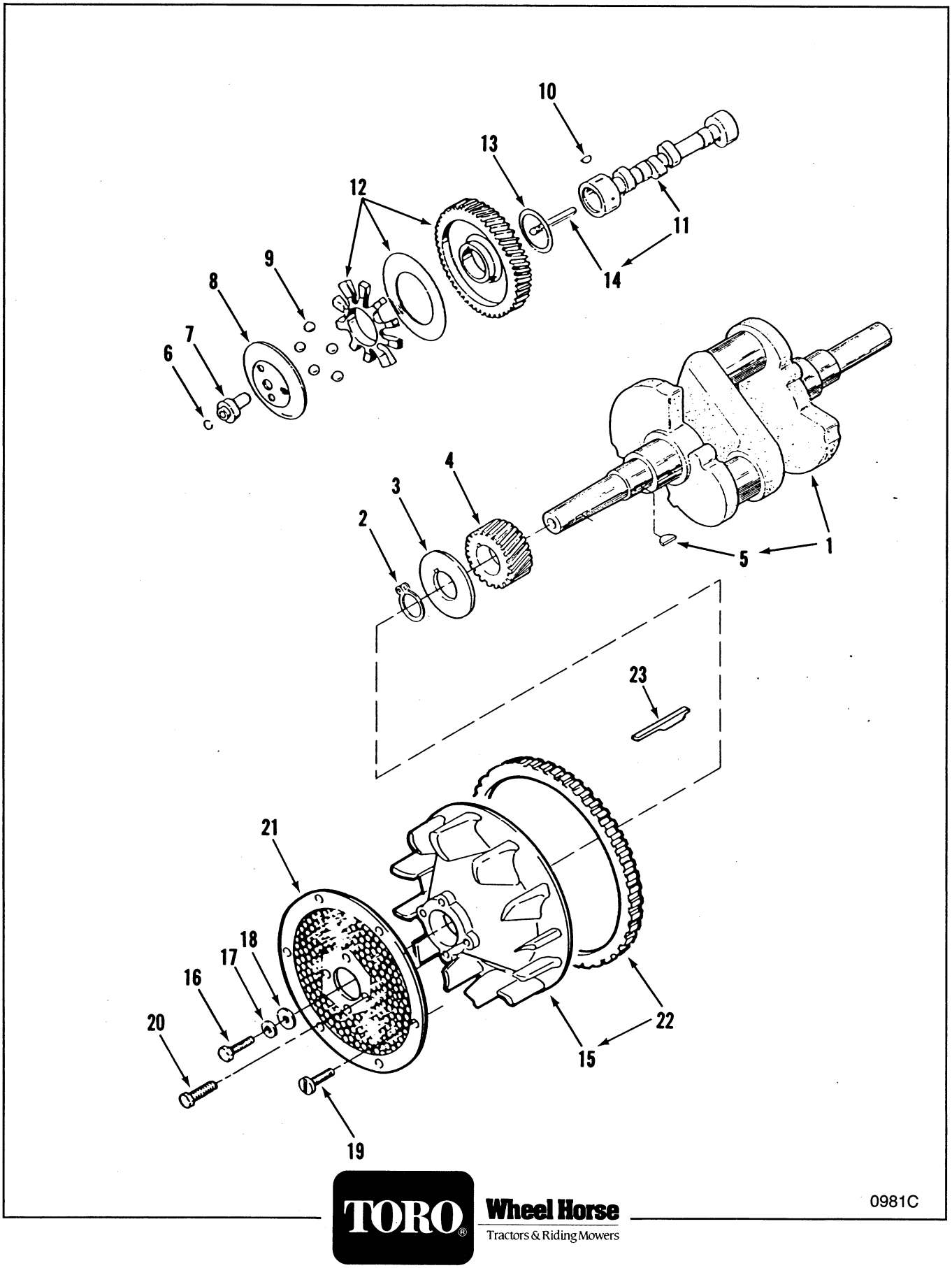
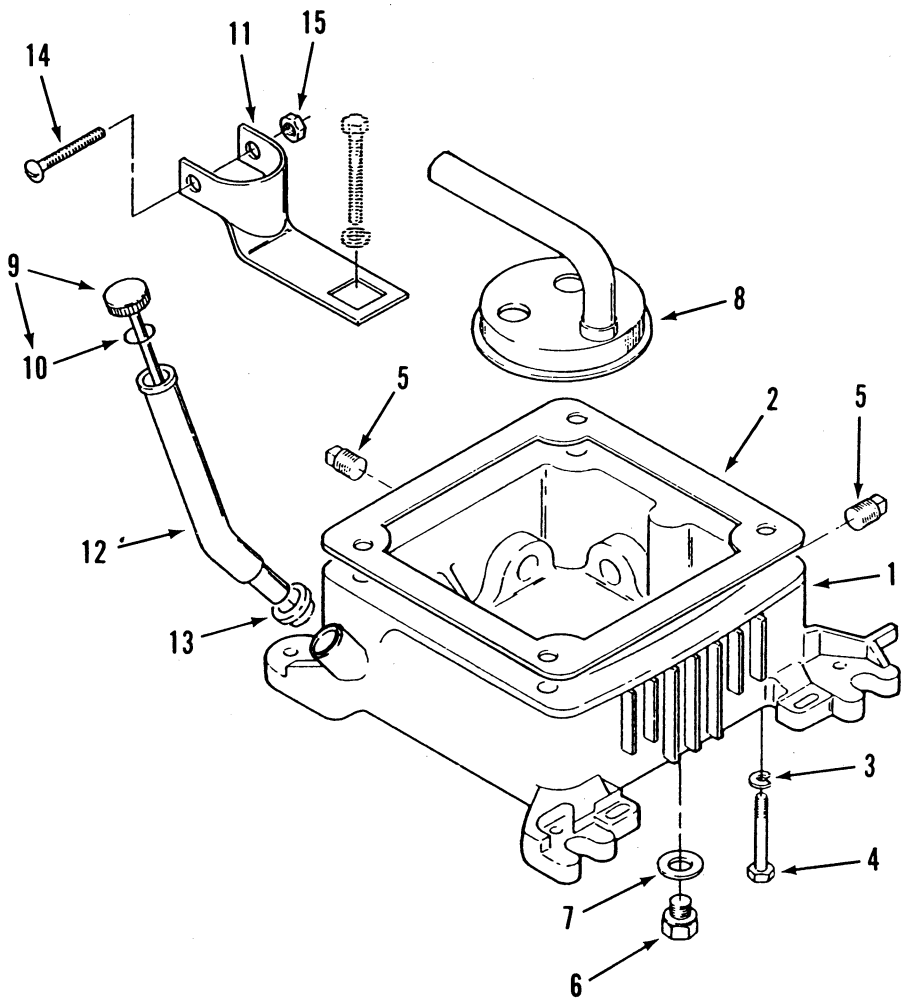


Figure 7-11 TORO POWER PLUS Crankshaft, Camshaft & Flywheel

Figure 7-11
TORO POWER PLUS CRANKSHAFT, CAMSHAFT, FLYWHEEL

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10025	Crankshaft	1
2	NN10343	Retaining Ring	1
3	NN10439	Special Washer	1
4	NN10438	Crankshaft Gear	1
5	NN10330	Gear Key	1
6	NN10215	Retaining Ring	1
7	NN10221	Governor Cup Hub	1
8	NN10222	Governor Cup	1
9	NN10328	Governor Ball	1
10	NN10330	Woodruff Key	1
11	NN10032	Camshaft (Includes item 13)	1
12	NN10029	Camshaft Gear (Includes Gear, Spacer and Plate)	1
13	NN10030	Special Thrust Washer	1
14	NN10214	Center Pin	1
15	NN10171	Flywheel (Includes Ring Gear)	1
16	NN10021	Special Hex Hd Cap Screw	1
17	NN10422	Spring Lockwasher 7/16	1
18	NN10335	Flat Washer 7/16	1
19	NN10409	Flange Lock Hd. Screw # 10-24 x 3/8	6
20	NN10416	Hex Hd Locking Cap Screw 5/16-18 x 1/2	4
21	NN10168	Air Inlet Screen	1
22	NN10024	Ring Gear	1
23	NN10332	Flywheel Key	1



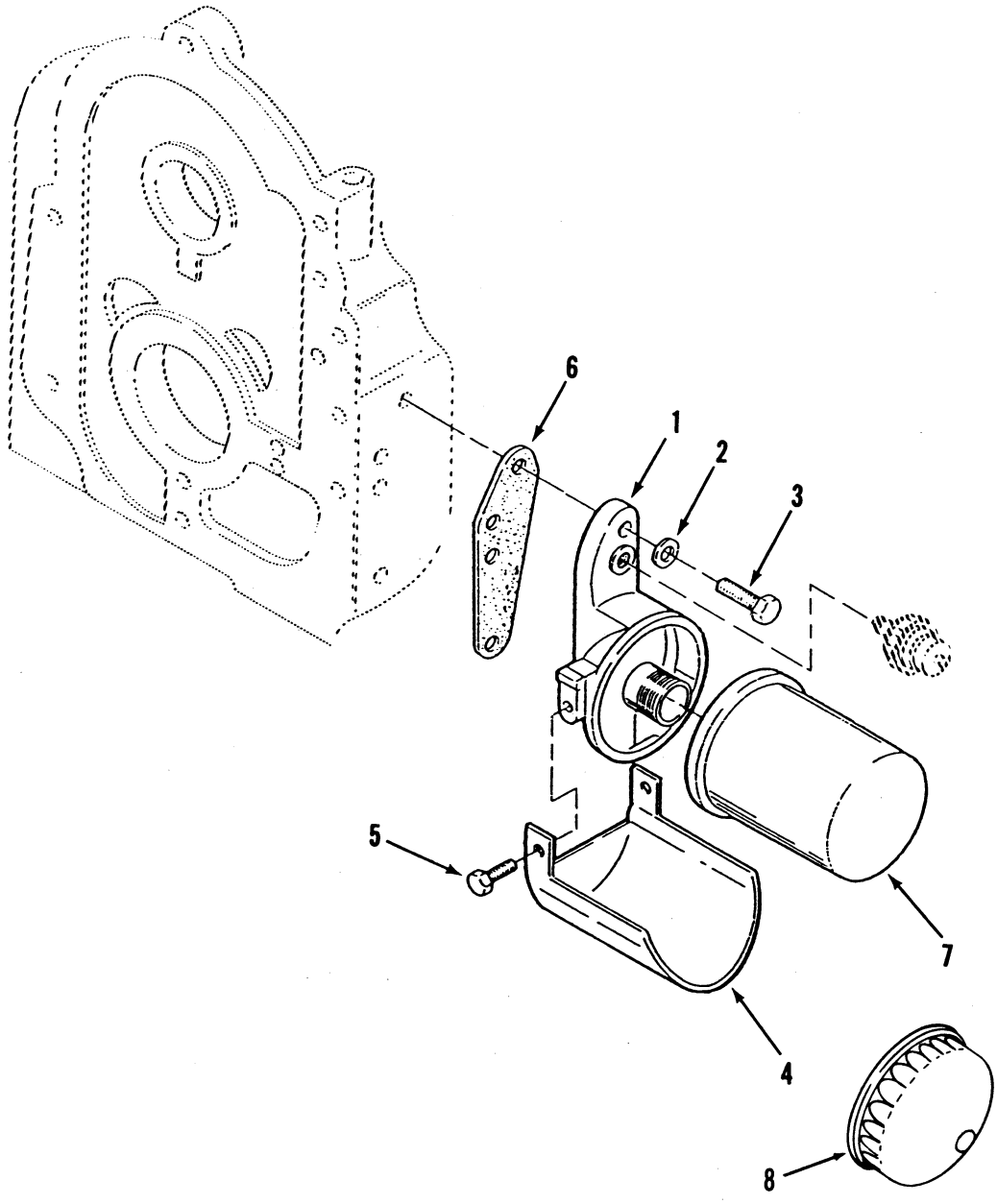
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TORO® Wheel Horse Tractors & Riding Mowers

Figure 7-12 TORO POWER PLUS Oil Base Fill Tube and Bracket

Figure 7-12
TORO POWER PLUS OIL BASE FILL TUBE AND BRACKET

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10018	Oil Base (Includes All Plugs and Plug Gasket)	1
2	NN10016	Oil Base Gasket	1
3	NN10421	Spring Lockwasher 3/8	4
4	NN10379	Cap Screw 3/8-16 x 3-3/4	4
5	NN10682	Sq. Hd. Plug 3/8	2
6	NN10015	Special Hex Hd. Plug	1
7	NN10014	Hex Hd. Plug Gasket	1
8	NN10138	Oil Pump Intake Cup	1
9	NN10159	Oil Fill Cap and Indicator (Includes "O" Ring)	1
10	NN10323	Oil Fill Cap Oil Ring	1
11	NN10162	Fill Tube Bracket	1
12	NN10161	Oil Fill Tube-Chrome 15-3/4" Lg	1
13	NN10325	Oil Fill Tube Seal	1
14	NN10407	Pan Hd. Screw # 10 x 1-1/4	1
15	NN10431	Speed Nut	1



TORO® Wheel Horse Tractors & Riding Mowers

Figure 7-13 TORO POWER PLUS Oil Filter

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
		Figure 7-13 TORO POWER PLUS OIL FILTER	
1	NN10141	Oil Filter Adapter	1
2	NN10360	Flat Copper Washer 5/16	2
3	NN10373	Hex Hd. Cap Screw 5/16-18 x 1	2
4	NN10146	Oil Filter Drain	1
5	NN10391	Hex Hd. Cap Screw # 10-32 x 3/8	2
6	NN10463	Oil Filter Adapter Gasket	1
7	NN10147	Oil Filter	1
8	114498	Oil Filter Wrench	1

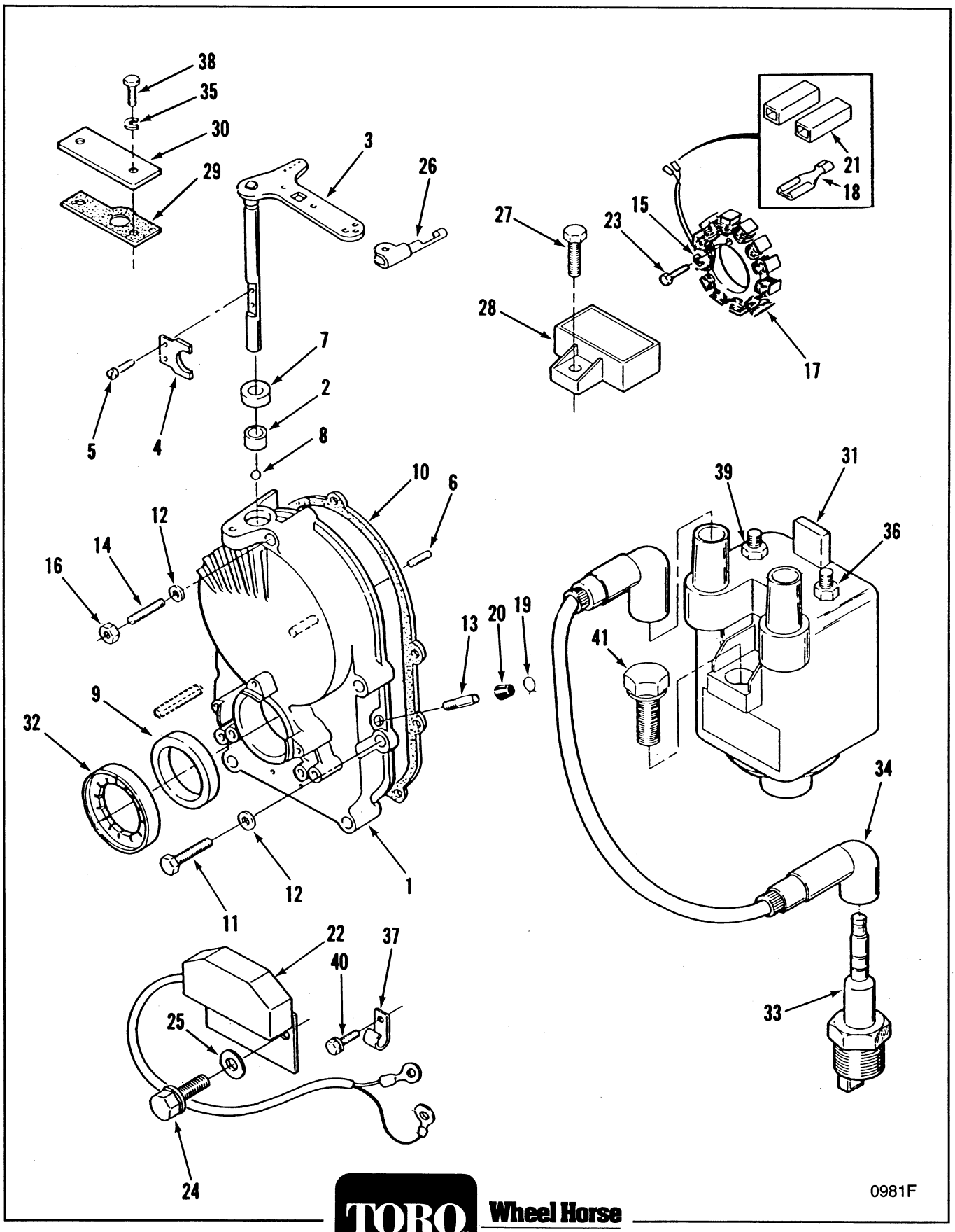


Figure 7-14 TORO POWER PLUS Gearcase and Ignition Controls

Figure 7-14
TORO POWER PLUS GEARCASE AND IGNITION CONTROLS

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10825	Gearcase Kit (Includes Items 2 thru 9, 13, 19 & 20)	1
2	NN10329	Governor Shaft Bearing	1
3	NN10826	Governor Shaft and Arm-Chromed	1
4	NN10216	Governor Shaft Yoke	1
5	NN10388	Pan Hd. Mach. Screw # 8-32 x 3/8	1
6	NN10335	Governor Cup Stop Dowl Pin	1
7	NN10310	Governor Shaft Oil Seal	1
8	NN10327	Governor Shaft Ball Bearing	1
9	NN10320	Crankshaft Oil Seal	1
10	NN10019	Gearcase Mounting Gasket	1
11	NN10374	Hex Hd. Cap Screw 5/16-18 x 1-3/4	4
12	NN10360	Flat Copper Washer 5/16	5
13	NN10210	Vacuum Port Tube	1
14	NN10352	Gear Cover Stud	1
15	NN10418	Lockwasher # 10	3
16	NN10426	Nut 5/6-18	1
17	NN10259	Stator w/Terminals	1
18	NN10290	Stator Leads Terminal	3
19	NN10301	Vacuum Port Clamp	1
20	NN10211	Vacuum Port Cap	1
21	NN10280	Terminal Connector Body Kit (Includes Terminals)	1
22	NN10444	Ignition Control	1
23	NN10389	Self-Lock Hex Hd. Mach. Screw # 10-32x1	3
24	NN10394	Hex Washer Hd. Screw # 10-32 x 3/8	2
25	NN10424	Lockwasher IT # 10	2
26	NN10346	Retaining Clip	1
27	NN10414	Hex Washer Hd. Cap Screw 1/4-20 x 5/16	1
28	NN10261	Voltage Regulator-20 amp	1
29	NN10243	Plate Gasket	1
30	NN10244	Ignition Plunger Cover	1
31	NN10245	Battery Ignition Coil w/Nuts	1
32	NN10247	Ignition Rotor	1
33	NN10252	Spark Plug	2
34	NN10253	Spark Plug Cable-9" Long	1
	NN10776	Spark Plug Cable-18.5" Long	1
35	NN10419	Lockwasher 1/4	2
36	NN10248	Hex Flange Nut	1
37	NN10348	Wire Clip	1
38	NN10368	Hex Hd. Cap Screw 1/4-20 x 5/8	1
39	NN10249	Hex Flange Nut	1
40	NN10396	Hex Washer Hd. Screw 1/4-20 x 1	1
41	NN10408	Hex Washer Hd. Screw 1/4-20 x 1	2

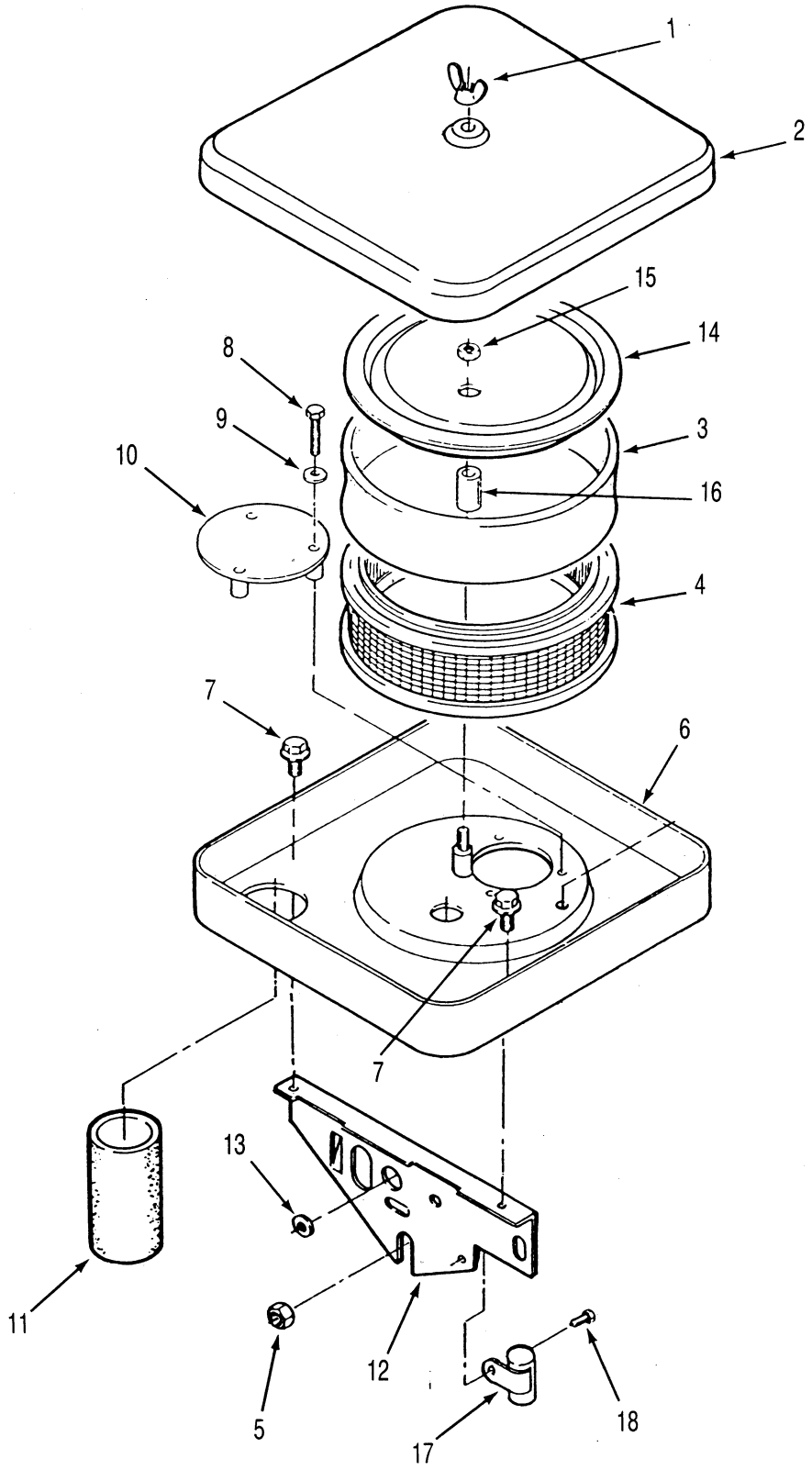
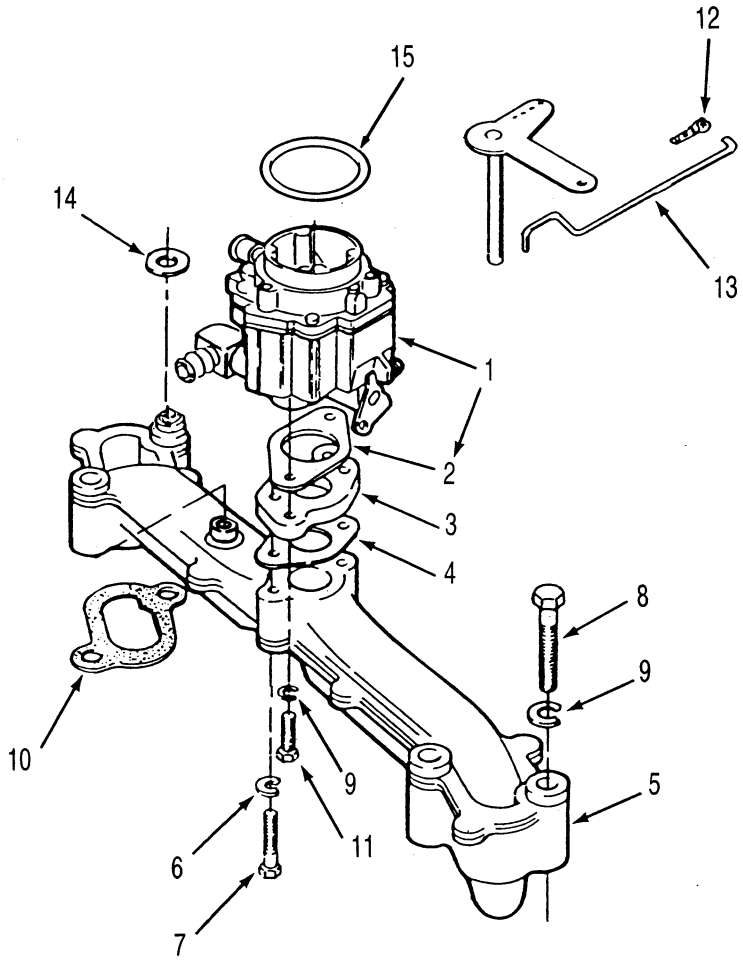


Figure 7-15 TORO POWER PLUS Air Cleaner

Figure 7-15
TORO POWER PLUS AIR CLEANER

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10427	Wing Nut 1/4-20	1
2	NN10185	Air Cleaner Cover	1
3	NN10176	Air Cleaner Foam Element	1
4	NN10175	Air Cleaner Element	1
5	NN10430	Hex Washer Hd. Flange Nut 5/16-18	1
6	NN10827	Air Cleaner Housing	1
7	NN10406	Hex Washer Hd. ST Screw 1/4-20 × 3/8	2
8	NN10398	Hex. Hd. Mach. Screw # 10-32 × 1-1/2	3
9	NN10365	Flat Washer # 10	3
10	NN10193	Air Deflector Plate	1
11	NN10187	Air Intake Tube	1
12	NN10186	Air Cleaner Support	1
13	NN10309	Rubber Grommet - 3/4" Hole	1
14	NN10177	Element Cover	1
15	NN10429	Hex Nut 1/4-20	1
16	NN10272	Air Cleaner Stud Spacer	1
17	NN10276	Capacitor (300 VD)	1
18	NN10390	Hex Washer Hd. Screw # 10-32 × 5/8	1

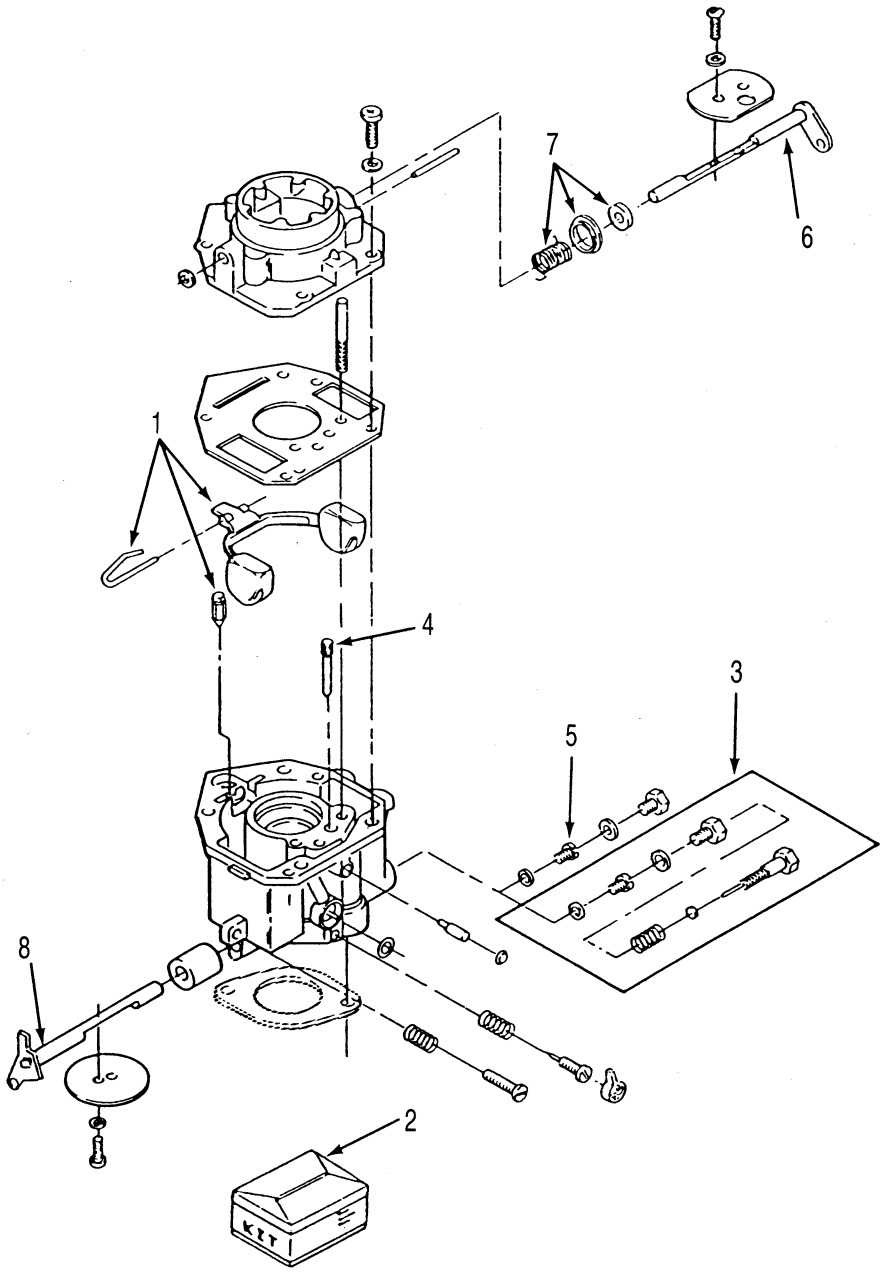


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Figure 7-16 TORO POWER PLUS Intake Manifold

Figure 7-16
TORO POWER PLUS INTAKE MANIFOLD

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10203	Carburetor (Includes Mounting Gasket, Elbow and "O" Ring) see section 7-17 for complete carburetor breakdown	1
2	NN10235	Carb to Adapter Gasket	1
3	NN10239	Carburetor Adapter	1
4	NN10192	Adapter to Manifold Gasket	1
5	NN10242	Intake Manifold	1
6	NN10419	Spring Lockwasher 1/4	2
7	NN10372	Hex Hd. Cap Screw 1/4-20 x 1-3/8	2
8	NN10375	Hex. Hd. Cap Screw	4
9	NN10420	Spring Lockwasher 5/16	6
10	NN10236	Manifold to Block Gasket	2
11	NN10373	Hex Hd. Cap Screw 5/16-18 x 1	2
12	NN10342	Retaining Clip Rod to Carb	1
14	NN10362	Flat Washer 5/16	1
15	NN103224	"O"-Ring	1

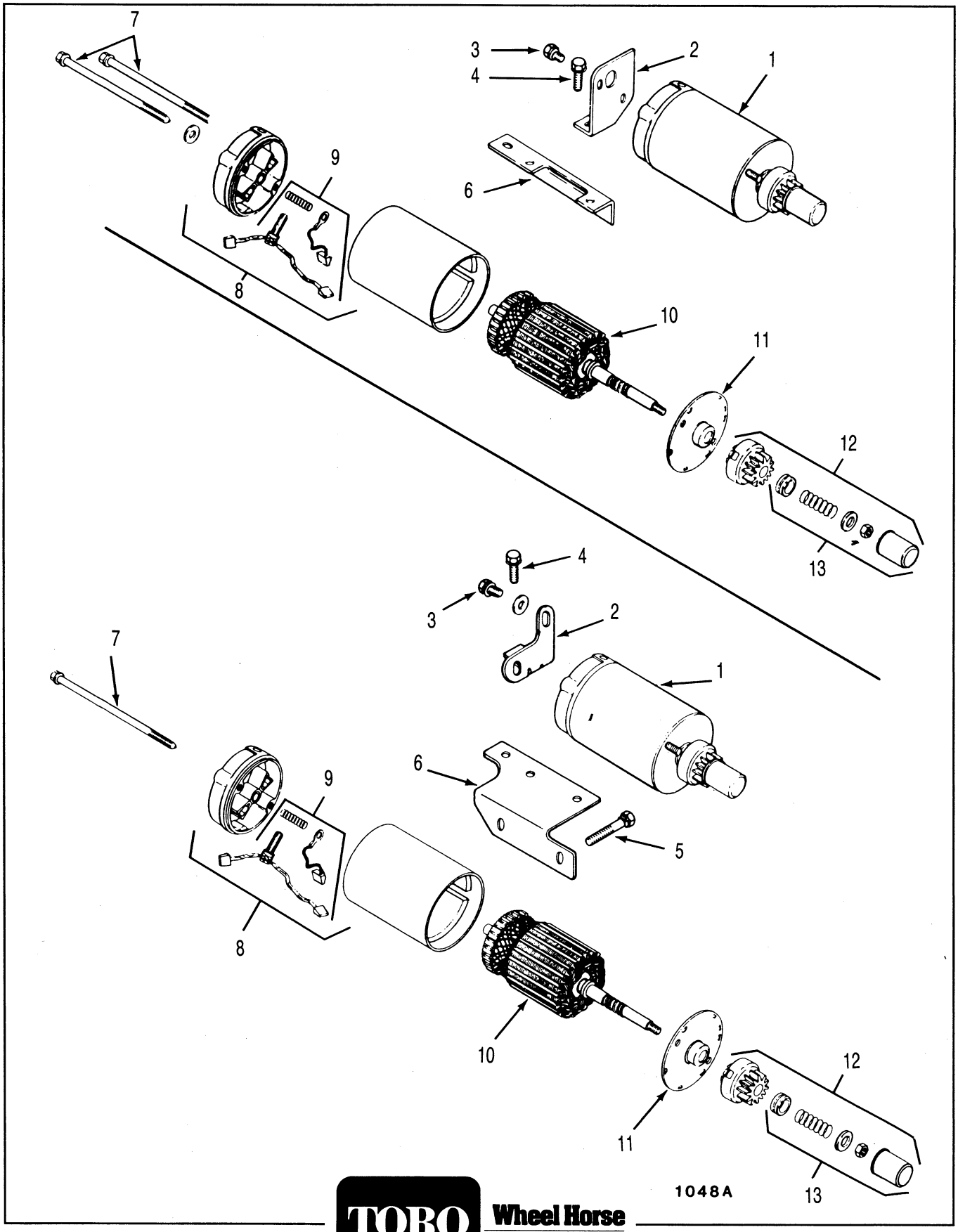


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TORO Wheel Horse
Tractors & Riding Mowers

Figure 7-17 TORO POWER PLUS Carburetor Components

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
		Figure 7-17 TORO POWER PLUS CARBURETOR COMPONENTS	
1	NN10209	Float Kit (Includes Float, Pin and Valve)	X
2	NN10206	Repair Kit (Includes Screw and Plug Package, Gasket Package, Float Valve, Idle Adjustment Needle and Spring, Mounting Gaskets, Idle Limit Cap)	X
3	NN10197	Variable Jet Kit-Optional (High Altitude Application Includes Power Jet and Gasket, Retainer, Power Needle Spring, Power Needle and Power Plug Gasket)	X
4	NN10201	Idle Jet	1
5	NN10199	Power Jet	1
6	NN10207	Choke Shaft Kit (Includes Choke Valve, Valve Set Screw and Air Filter)	1
7	NN10208	Choke Lever Kit (Includes Choke Lever Ring, Choke Spring and Choke Collar)	1
8	NN10200	Throttle Shaft Kit (Includes Valve Set Screw, Air Filter and Throttle Valve)	1



TORO® Wheel Horse Tractors & Riding Mowers

Figure 8-1 Starter

Figure 8-1
KOHLER STARTER

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10187	41 098 04	Starter Assembly (Includes Items 9 thru 15)	1
2	KH10244	45 126 17	Starter Tail Brace	1
3	KH10607	X-67-62	Hex Washer Hd. Screw 1/4-20 x 3/4	1
4	KH10610	X-67-83	Hex Washer Hd. Screw 1/4-20 x 3/8	1
5	KH10549	X-159-2	H.C. Sems Screw 3/8-16 x 1	2
6	KH10304	47 126 29	Starter Bracket	1
7	KH10181	41 086 19	Thru Bolt 1/4-20 x 5-1/16	2
8	KH10210	41 227 04	Commutator End Cap Assembly (Includes Item 11)	1
9	KH10515	52 755 15	Brush Kit	1
10	KH10247	45 170 02	Armature	1
11	KH10209	41 227 03	Drive End Cap	1
12	KH10323	47 755 07	Drive Kit (Includes Item 15)	1
13	KH10324	47 755 13	Drive Parts Kit	1
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	KH10135	25 450 03	Caution Tag	1

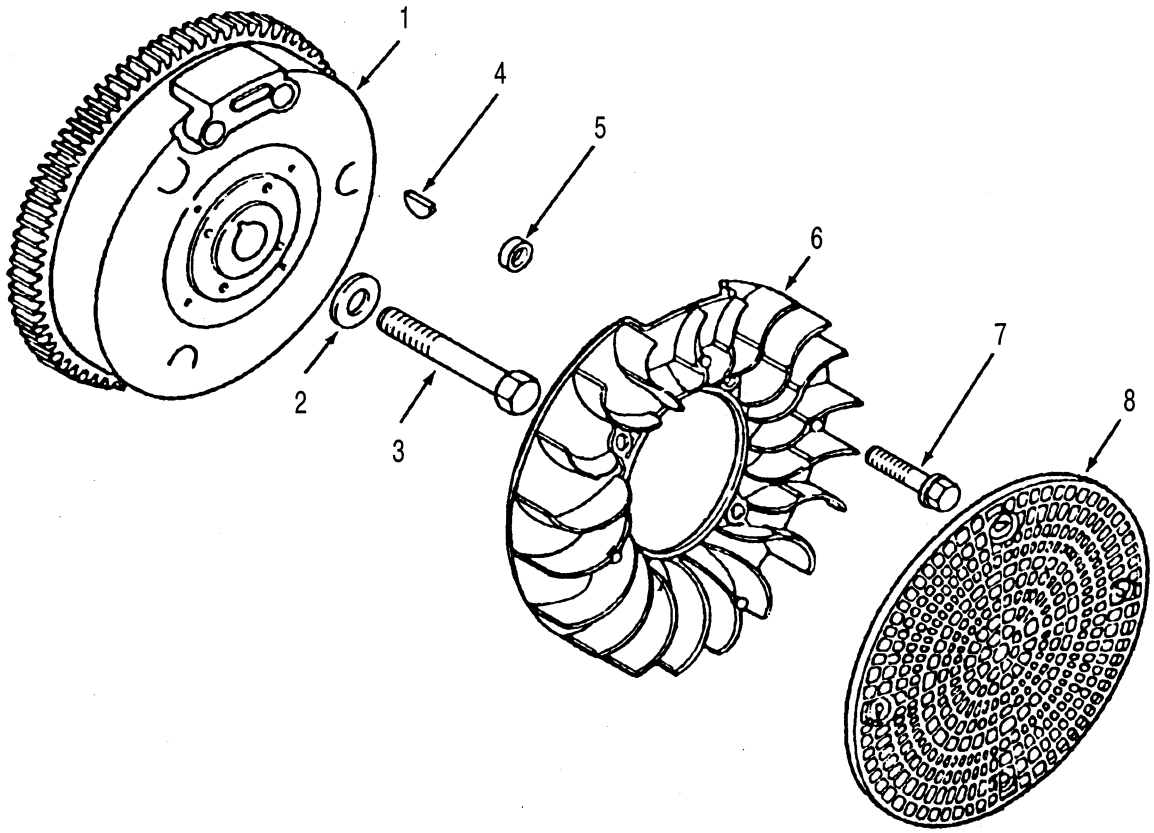


Figure 8-2 Flywheel

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
			Figure 8-2 KOHLER FLYWHEEL	
1	KH10263	47 025 53	Flywheel 312	1
2	KH10436	52 114 02	Plain Washer 13/32 ID, 1-3/8 OD	1
3	KH10108	25 086 04	Hex. Mach. Screw 3/8-24 x 1-1/8	1
4	KH10588	X-46-3	Woodruff Key 3/16 x 1	1
5	KH10112	25 112 04	Spacer 17/64 ID, 3/8 OD 15/64 Lg	4
6	KH10124	25 157 01	Fan	1
7	KH10107	25 086 21	Hex. Washer Hd. Screw 1/4-20 x 5/8	4
8	KH10126	25 162 01	Grass Screen	1

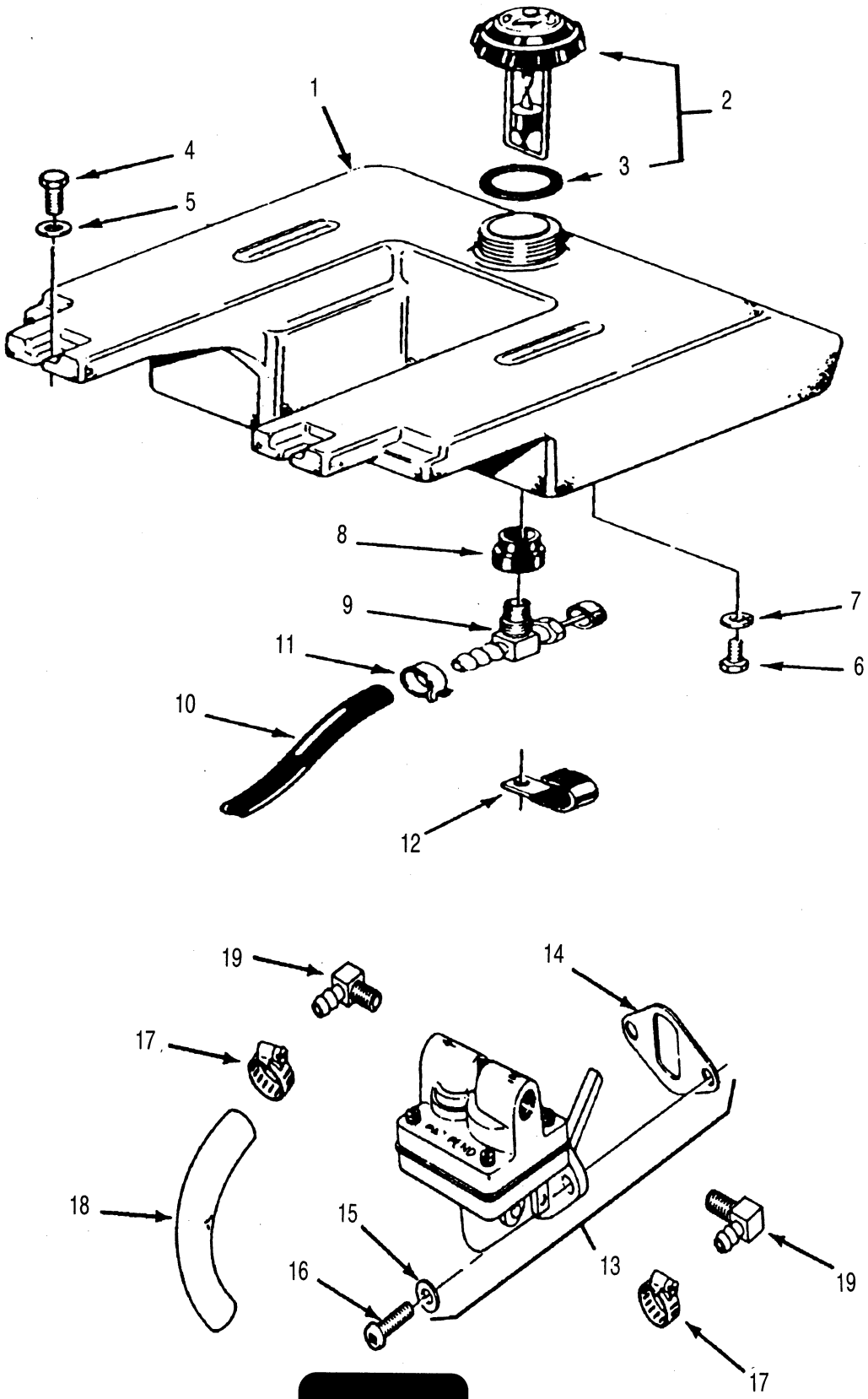


Figure 8-3 Fuel Systems

Figure 8-3
KOHLER FUEL SYSTEM

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	106234	----------	Fuel Tank	1
2	106945	----------	Fuel Cap & gauge (Includes Item 19)	1
3	106931	----------	Rubber Seal	1
4	926697	----------	S.T. Bolt 5/16-18 x 1	2
5	920039	----------	Washer 3/8	2
6	908016	----------	Bolt 5/16-18 x 5/8	3
7	920082	----------	Lockwasher 5/16	1
8	104047	----------	Rubber Bushing	1
9	104048	----------	Fuel Shut-Off Valve	1
10	103787	----------	Fuel Line 62''	1
11	108898	----------	Corbin Clamp	2
12	950154	----------	Hose Clamp 1/2'' (1.3 cm) Diameter	2
	105490	----------	Clamp 1'' (2.5 cm) Diameter	1
13	KH10319	47 559 04	Fuel Pump Assy (Includes items 30 & 31)	1
14	KH10095	25 041 05	Fuel Pump Gasket	1
15	KH10549	X-25-63	Plain Washer 1/4	2
16	KH10552	X-174-2	Pozidriv. F.H. Sems Screw 1/4-20 x 3/4	2
17	KH10586	X-426-9	Hose Clamp	2
18	KH10130	25 353 01	Fuel Line 1/4 I.D. x 5-1/2'' Lg	1
19	KH10123	25 155 02	Hose Connector 90 Degree (For 1/4 I.D. Rubber Hose)	2

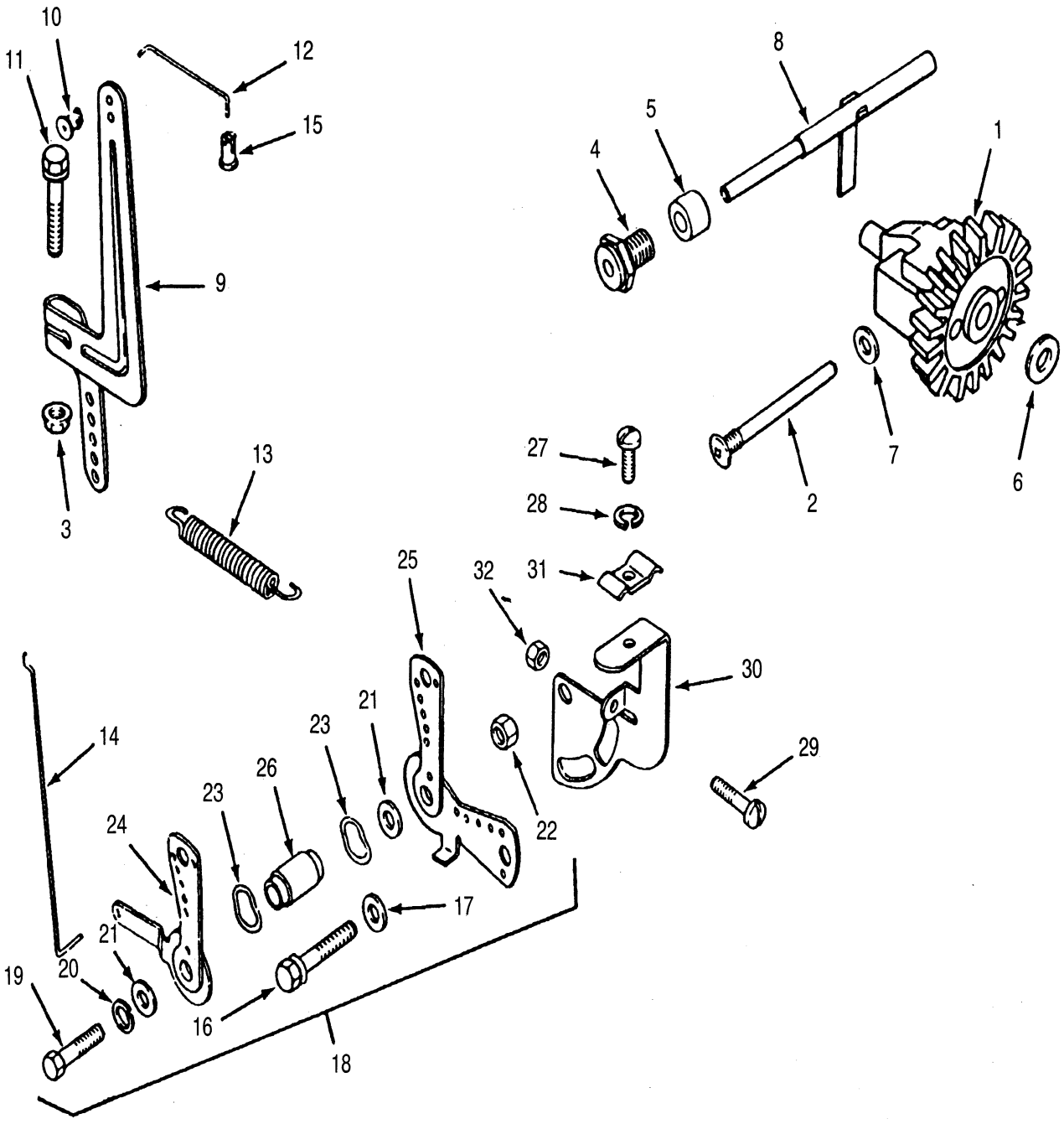
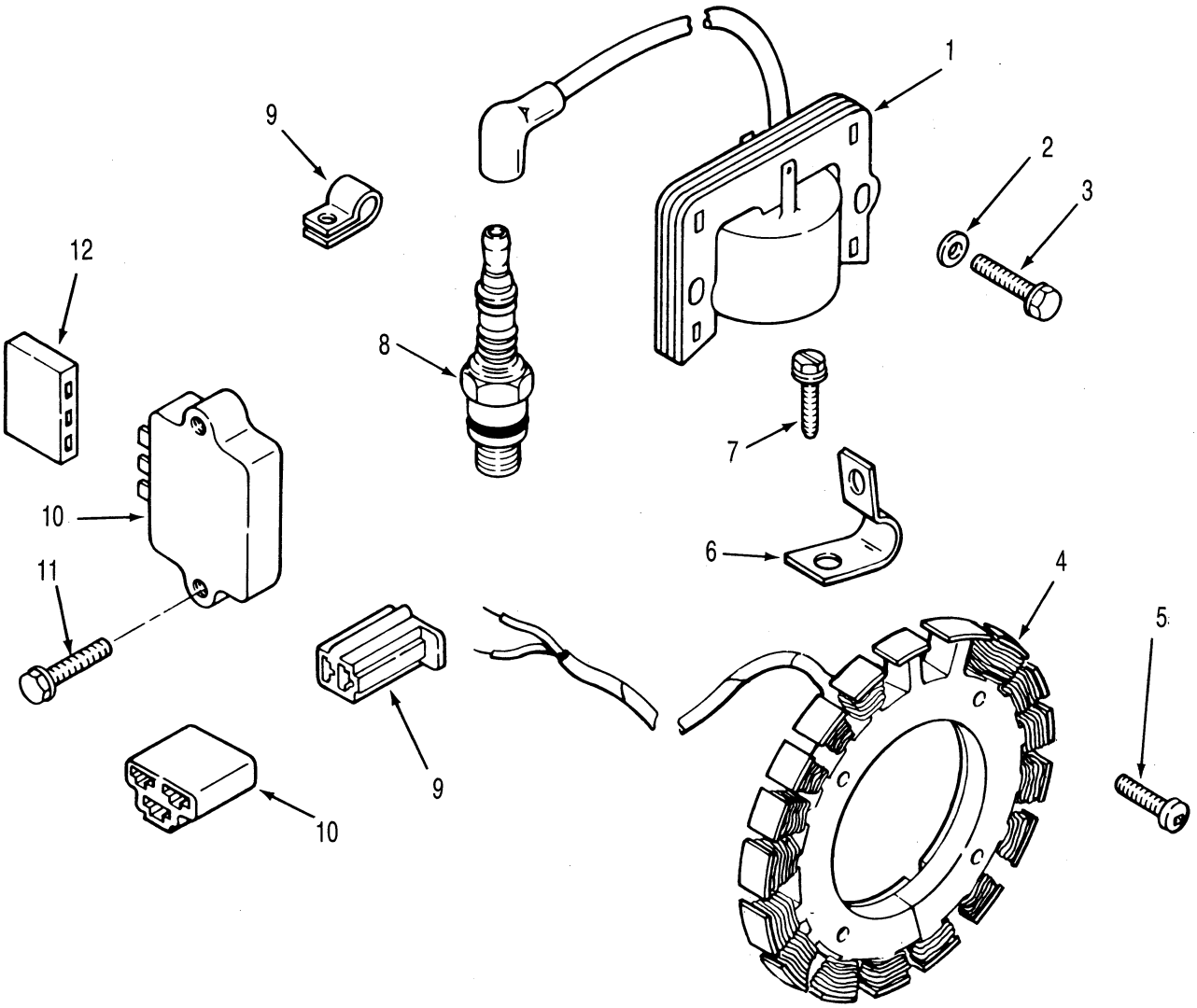


Figure 8-4 Governor Linkage

Figure 8-4
KOHLER GOVERNOR LINKAGE

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10660	A-235743-S	Governor Gear Kit (Includes 24)	1
2	KH10035	231355	Governor Stop Pin	1
3	KH10629	X-799-1	Palnut 1/4-20	1
4	KH10070	235476	Governor Shaft Bushing	1
5	KH10585	X-400-80	Spacer	1
6	KH10087	237022	Thrust Washer	1
7	KH10138	25 468 01	Plain Washer	1
8	KH10538	A-235256-S	Governor Cross Shaft Kit	1
9	KH10295	47 090 20	Governor Lever	1
10	KH10626	X-776-1	H.C. Sems Screw 1/4-20 x 1/2	1
11	KH10668	47 158 06	White Bushing	1
12	KH10288	47 079 05	Governor Linkage (Governor to Carb.)	1
13	KH10296	47 091 01	Governor Spring (Governor to Carb.)	1
14	KH10287	47 079 01	Choke Linkage (Carb. to Choke Shaft)	1
15	KH10125	25 158 07	Yellow Bushing	1
16	KH10545	X-1320-6	H.C. Sems Screw 1/4-20 x 1/2	1
17	KH10570	X-25-72	Plain Washer 1/4	1
18	KH10291	47 087 03	Choke Lever Assembly (Includes Items 37 thru 44)	1
19	KH10600	X-5-26	H.C. Screw 1/4-20 x 1-1/2	1
20	KH10556	X-20-1	Lockwasher 1/4	1
21	KH10549	X-25-63	Plain Washer 1/4	1
22	KH10624	X-76-2	Hex. Nut 1/4-20	1
23	KH10152	275690	Wave Washer	2
24	KH10293	47 090 07	Choke Control Lever	1
25	KH10294	47 090 08	Throttle Control Lever	1
26	KH10302	47 112 02	Spacer 23/64 O D , 13/16 Lg	1
27	KH10695	X-67-51	F.H.M. Screw # 10-24 × 1	1
28	KH10605	2546804	Washer	1
29	KH10040	232556	Screw	1
30	KH10303	47 126 09	Clutch Control Bracket	1
31	KH10308	47 237 02	Clamp	1
32	KH10619	X-72-4	Hex Nut # 8-32	1



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Figure 8-5 Ignition System

Figure 8-5
KOHLER IGNITION SYSTEM

ITEM	WHEEL HORSE PART NO.	VENDOR PART NUMBER	DESCRIPTION	Quantity
1	KH10320			
	KH10321	47 584 02	Ignition Module (After Serial # 1715900003)	1
2	KH10572	X-25-79	Plain Washer # 10	2
3	KH10548	X-156-1	H.C. Sems Screw # 10-24 x 7/8	2
4	KH10091	237878	Stator Kit 15 amp (Includes Item # 8)	1
5	KH10605	X-67-51	Pozidriv. Pan Hd. Screw # 10-24 x 3/4	4
6	KH10618	X-728-1	Lead Clip	1
7	KH10606	X-67-49	Hex. Washer Hd. Screw # 8-32 x 3/8	1
8	KH10056	235041-S	Spark Plug	1
9	KH10010	210281	Hi-Tension Clip	1
10	KH10215	41 403 05	Regulator-Rectifier	2
11	KH10543	X-132-4	H.C. Sems Screw 1/4-20 x 1	2
12	KH10082	236602	Female Connector (3 Contact)	1
	Not Illustrated			
	KH10315	47 518 43	Lead-White w/Diode, Svc. Replacement Lead For Leads. w/Diode (5") All Before Serial 1715900013	1
	KH10314	47 518 37	Lead-White, Module to Connector (15") After, Serial # 1715900003)	1
	KH10313	47 518 36	Lead-Violet, Regulator-Rectifier to Connector (23")	1

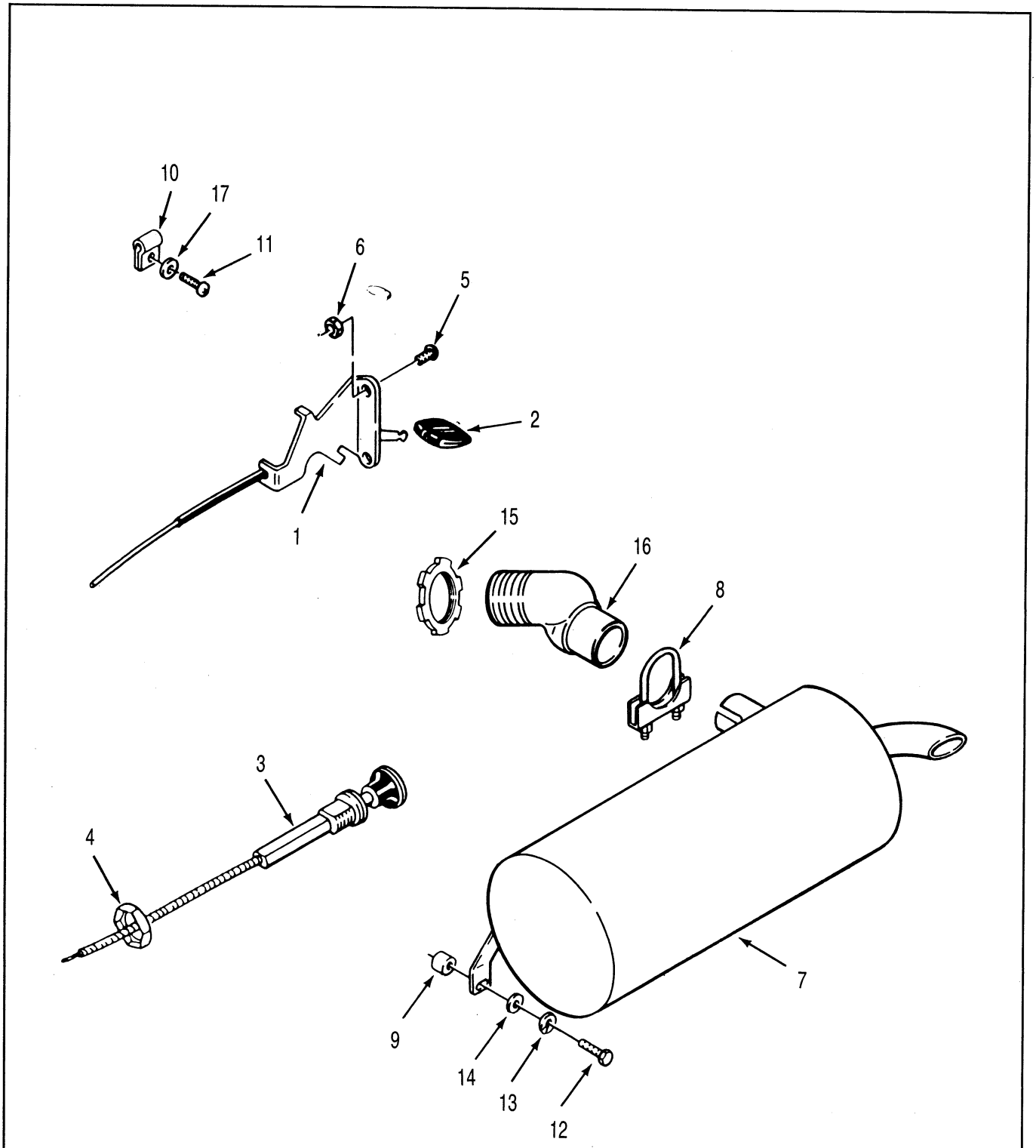
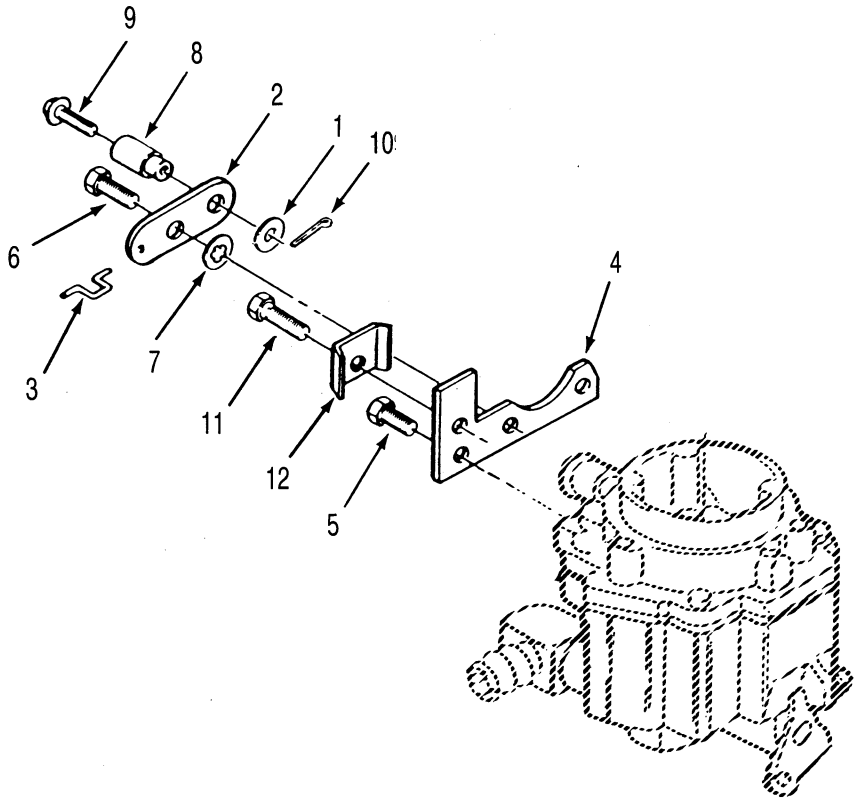


Figure 8-6 Throttle, Choke & Exhaust

Figure 8-6
KOHLER THROTTLE CHOKE & EXHAUST

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	115854	Throttle Control	1
2	116454	Knob-Throttle Control	1
3	112214	Choke Control 312	1
4	109530	Palnut	1
5	9107922	Screw # 10-24 × 1/2 Black	2
6	915740	Lock Nut # 10-24	2
7	112213	Muffler 312	1
8	106858	Clamp 312	1
9	6876	Spacer 312	1
10	KH10344	Cable Clamp 312 (vendor # 48 154 01)	1
11	KH10610	Hex Washer Hd Screw 1/4-20 × 7/16, 312, (vendor # X-67-83)	1
12	908020	Bolt 5/16-18 × 1-1/, 312	1
13	920082	Lock Washer 5/16, 312	1
14	920008	Washer 5/16, 312	1
15	KH10535	Locknut 312 (vendor # AC-1536)	1
16	KH10278	Elbow 312 (vendor # 47 054 01)	1
17	KH10570	Washer 1/4, 312 (vendor # X-25-72)	1

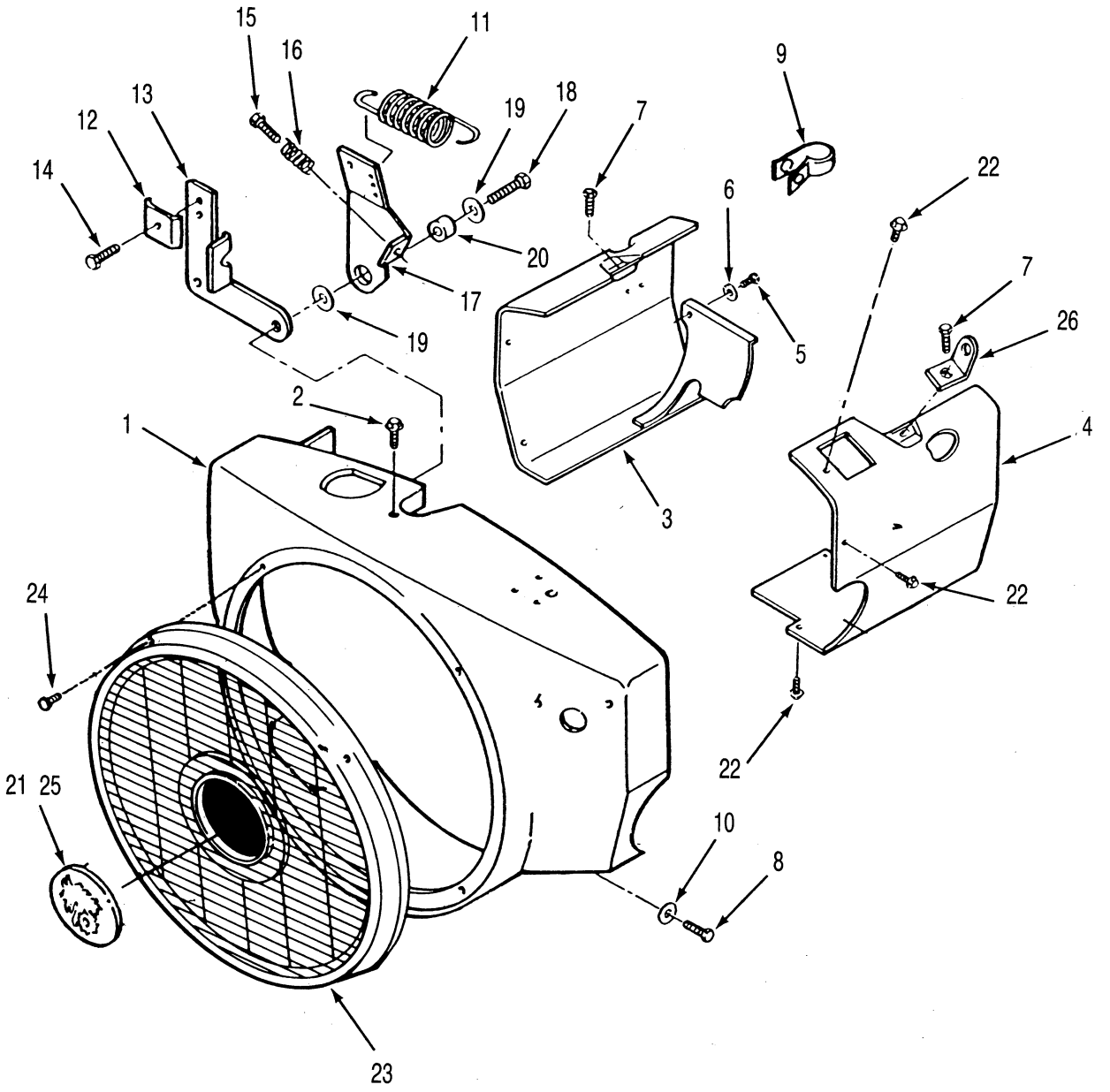


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Figure 8-7 TORO POWER PLUS Choke Linkage

Figure 8-7
TORO POWER PLUS CHOKE LINKAGE

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10364	Flat Washer # 10	2
2	NN10233	Choke Lever	1
3	NN10231	Choke Link	1
4	NN10234	Choke Cable Bracket	1
5	NN10412	Washer Hd. Cap Screw # 10-32 x 1-1/4	1
6	NN10400	Shoulder Screw # 10-32 x .34	1
7	NN10424	Lockwasher IT # 10	1
8	NN10230	Choke Lever Swivel	1
9	NN10410	Machine Screw # 8-32 x .375	1
10	NN10333	Cotter Pin	1
11	NN10395	Washer Hd. ST Screw # 10-32 x 7/8	1
12	NN10440	Choke Cable Clip	1



TORO® Wheel Horse Tractors & Riding Mowers

Figure 8-8 TORO POWER PLUS Blower Housing and Governor

Figure 8-8
TORO POWER PLUS BLOWER HOUSING AND GOVERNOR

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10831	Blower Housing	1
2	NN10392	Washer Hd. ST Screw 1/4-20 x 7/16	1
3	NN10170	Cylinder Air Housing	1
4	NN10169	Cylinder Air Housing	1
5	NN10393	Washer Hd. ST Screw 1/4-20 x 5/8	2
6	NN10357	Flat Washer 1/4	2
7	NN10417	Washer Hd. Screw 5/16-18 x 3/4	2
8	NN10393	Washer Hd. ST Screw 1/4-20 x 5/8	4
9	NN10289	Alt. Leads Wire Clamp	1
10	NN10356	Flat Washer 1/4	1
11	NN10217	Governor Spring-5 Ball	1
12	NN10440	Cable Clamp	1
13	NN10225	Cable bracket	1
14	NN10395	ST Screw # 10-32 x 1/2	1
15	NN10410	ST Screw # 6-32 x 5/8	1
16	NN10219	Idle Setting Spring	1
17	NN10223	Governor Control Arm w/o Swivel	1
18	NN10397	Washer Hd. Cap Screw 1/4-20 x 1/2	2
19	NN10357	Flat Washer 1/4	1
20	NN10218	Control Arm Bushing	1
21	NN10340	Black Nylon Bushing	1
22	NN10414	Washer Hd. Cap Screw 1/4-20 x 5/16	4
23	NN10174	Stationary Guard	1
24	NN10406	Washer Hd. Screw 1/4-20 x 3/8	4
25	NN10435	Nameplate Logo	1
26	NN10296	Lifting Bracket	2

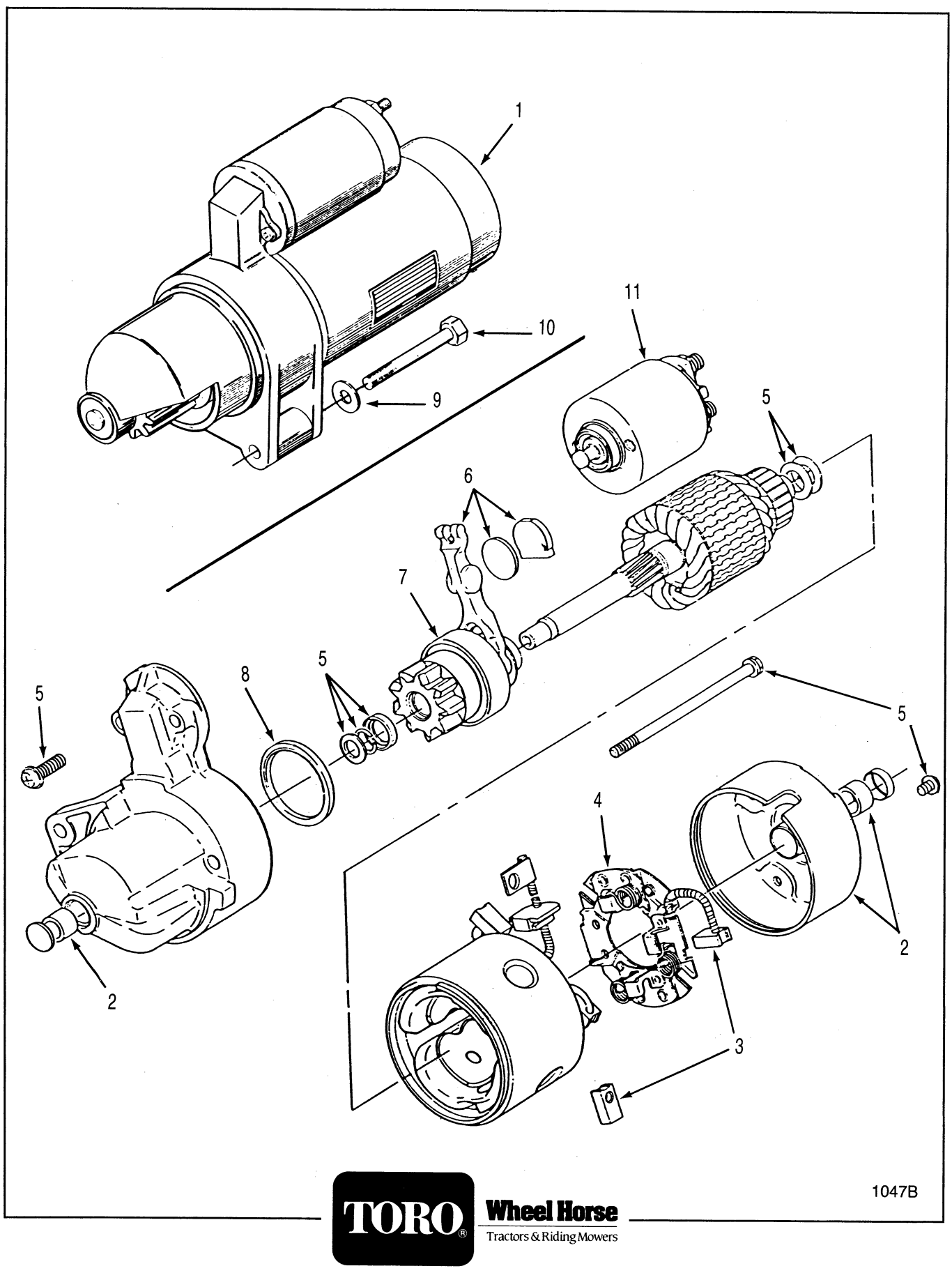


Figure 8-9 TORO POWER PLUS Starter

Figure 8-9
TORO POWER PLUS STARTER

ITEM	WHEEL HORSE PART NO.	DESCRIPTION	Quantity
1	NN10268	Starter, Complete-See Components Below	1
2	NN10262	Bushing Kit (Includes Frt Bushing and Rear Cap w/Bushing)	1
3	NN10263	Starter Brush Kit (Includes Positive Brush (2) and Negative Brush w/Pigtail)	1
4	NN10264	Starter Brush Holder (Includes Brush Holder w/Negative Brush)	1
5	NN10265	Starter Hdwr Kit (Includes Solenoid Screws (2), Brush Holder Screws (2), Thru Bolts (2), Armature Shims (2), Pinion Stop Collar, and Pinion Retaining Ring)	1
6	NN10266	Starter Shift Lever Kit (Includes Shift Lever, Wear Plate and Rubber Plug)	1
7	NN10270	Starter Clutch (Includes Pinion Gear w/Clutch)	1
8	NN10271	Dust Seal	1
9	NN10363	Flat Washer 5/16	2
10	NN10376	Cap Screw 5/16-18 x 3-1/2	2
11	NN10269	Starter Solenoid Kit (Includes Solenoid, Spring and Plunger)	1

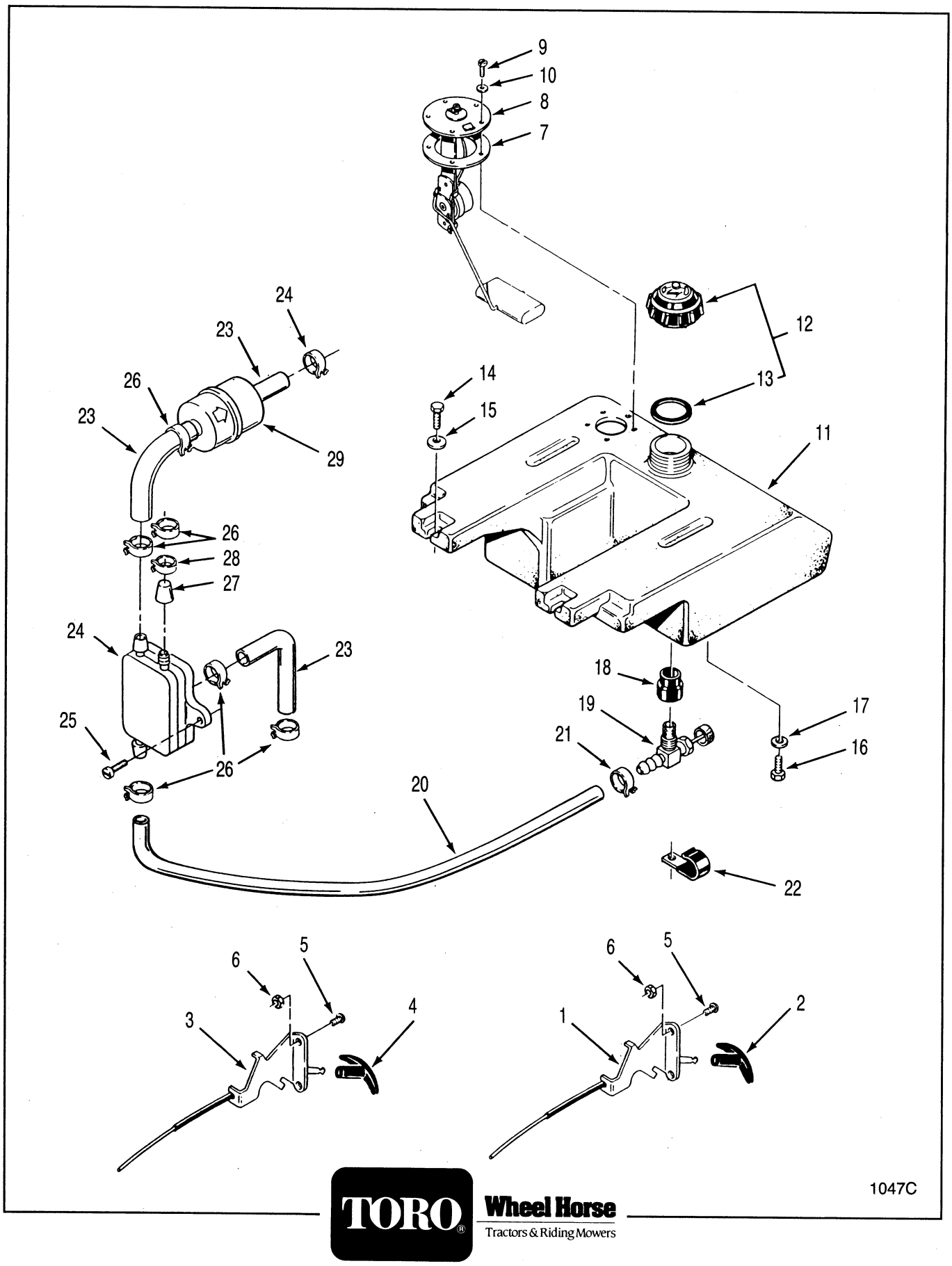


Figure 8-10 TORO POWER PLUS FUEL TANK AND CONTROLS

Figure 8-10
TORO POWER PLUS FUEL TANK AND CONTROLS

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	114026	Throttle Control	1
2	108509	Knob-Throttle Control	1
3	114027	Choke Control	1
4	108510	Knob-Throttle Control	1
5	9107922	Screw # 10-24 x 1/2	4
6	915740	Lock Nut # 10-24	4
7	113372	Gasket	1
8	113358	Fuel Level Sender	1
9	910807	Screw # 10-32 x 1/2	5
10	920079	Lockwasher # 10	5
11	114012	Fuel Tank (Includes items 20 & 21)	1
12	113926	Fuel Cap (Includes item 15)	1
13	106931	Rubber Seal	1
14	926697	ST Bolt 5/16-18 x 1	2
15	920039	Washer 3/8	2
16	908016	Bolt 5/16-18 x 5/8	3
17	920082	Lockwasher 5/6	2
18	104047	Rubber Bushing	1
19	104048	Fuel Shut-Off Valve	1
20	2739	Fuel Line 53 in	1
21	108898	Corbin Clamp	2
22	950154	Hose Clamp 1/2 in (13 cm) Diameter	2
	105490	Clamp 1 in. (2.5 cm) Diameter	1
23	NN10302	Fuel Line 12in. (Vendor # 503-0707)	2
24	NN10212	Fuel Pump (Vendor # 149-1982)	1
25	NN10403	ST Pan Hd. Screw # 10-24 x 5/8 (Vendor # 815-0555)	2
26	NN10303	Hose Clamp 1/2 (Vendor # 503-0731)	6
27	NN10211	Fuel Fitting Cap (Vendor # 149-1321)	1
28	NN10301	Hose Clamp 7/16 (Vendor # 503-0301)	1
29	NN10213	Fuel Filter (Vendor # 149-2005)	1

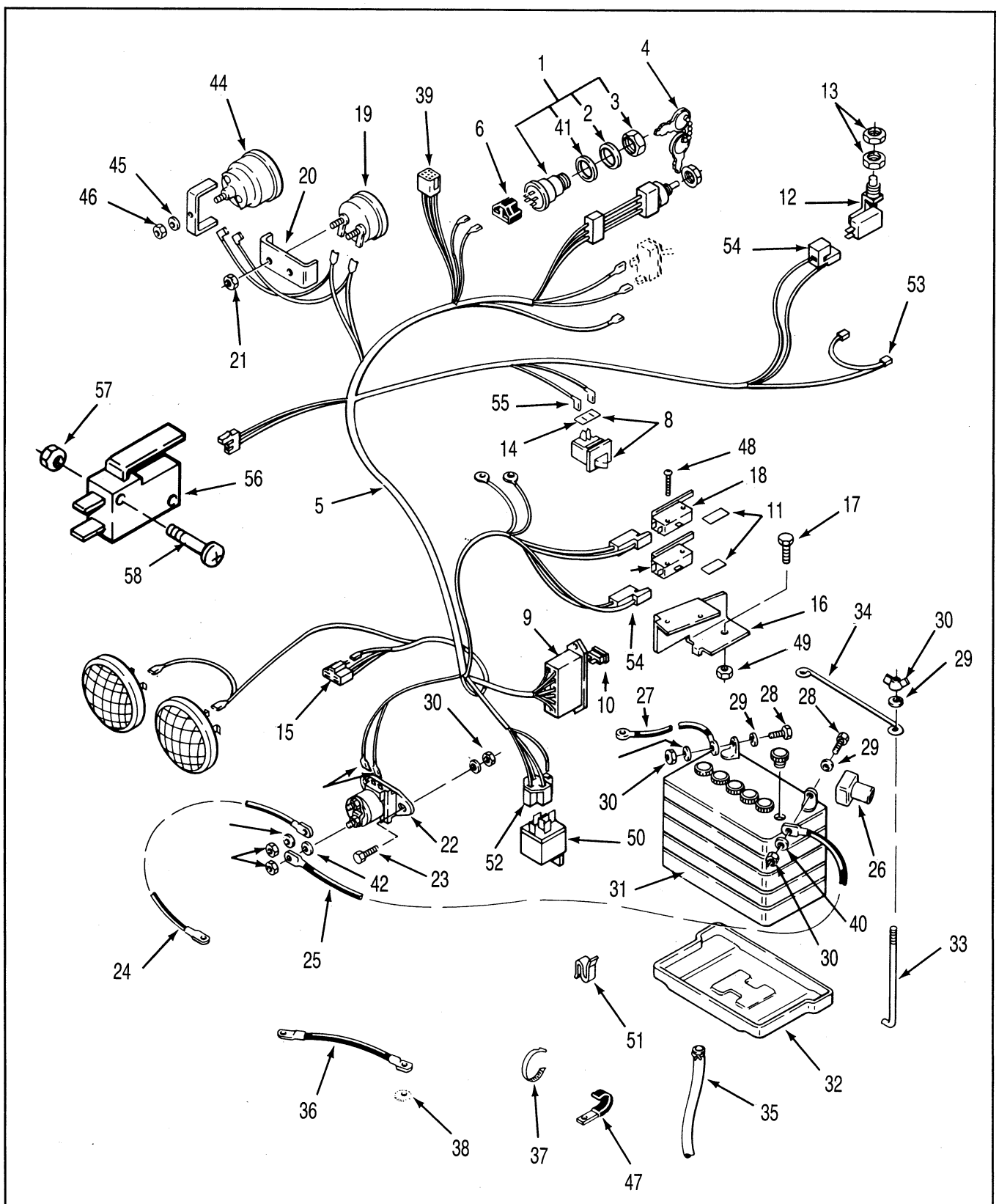


Figure 9-1 Electrical System

Figure 9-1
ELECTRICAL SYSTEM

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	111215	Ignition Switch (w/101884 & 920160) 312-8	1
	111216	Ignition Switch (w/101884 & 920160) 416's	1
2	920160	Internal Tooth Lockwasher 5/8	1
3	101884	Special Nut	1
4	111220	Ignition Key Set of 2	1
	116738	Padded Ignition Key Set of 2	1
5	117354	Wiring Harness Assembly 416-8	1
	116722	Wiring Harness Assembly 312-8	1
6	104926	Connector Body Ignition Switch Part of 5	1
7	518105	Terminal Part of 5	1
8	103480	Clutch/Brake Interlock Switch w/item 16	1
9	120930	Fuse Body Part of 5	1
10	109355	Fuse 15 Amp ATO or ATC	1
	109102	Fuse 25 Amp ATO or ATC	1
	NN10277	Fuse 30 Amp ATO or ATC	1
11	111642	Switch Insulator Barrier	2
12	114240	Seat Switch	1
13	105805	Nut 15/32-32	2
14	110502	Dirt Shield	1
15	112185	Connector Body Part of 5	1
16	115411	Switch Support	1
17	926671	ST Bolt 1/4-20 × 1/2	1
18	111332	PTO Interlock Switch	2
19	117176	Voltmeter (w/109650)	1
20	109650	Back Clamp-Voltmeter	1
21	5924	Nut # 10-32 E.S.	2
22	110167	Solenoid 312-8	1
23	960152	Whizlock Bolt 1/4-20 × 5/8 312-8	2
24	111069	Cable Solenoid To Starter 312-8	1
25	111074	Cable Battery (+) To Solenoid 312-8	1
26	109553	Terminal Cover	1
27	111069	Cable Battery (-) To Ground 312-8	1
28	908003	Bolt 1/4-20 × 3/4	2
29	920007	Washer 1/4 SAE	4
30	116497	Eslok Nut 1/4-20	6
31	105842	Battery 416-8	1
	104962	Battery 312-8	1
32	106948	Battery Tray	1

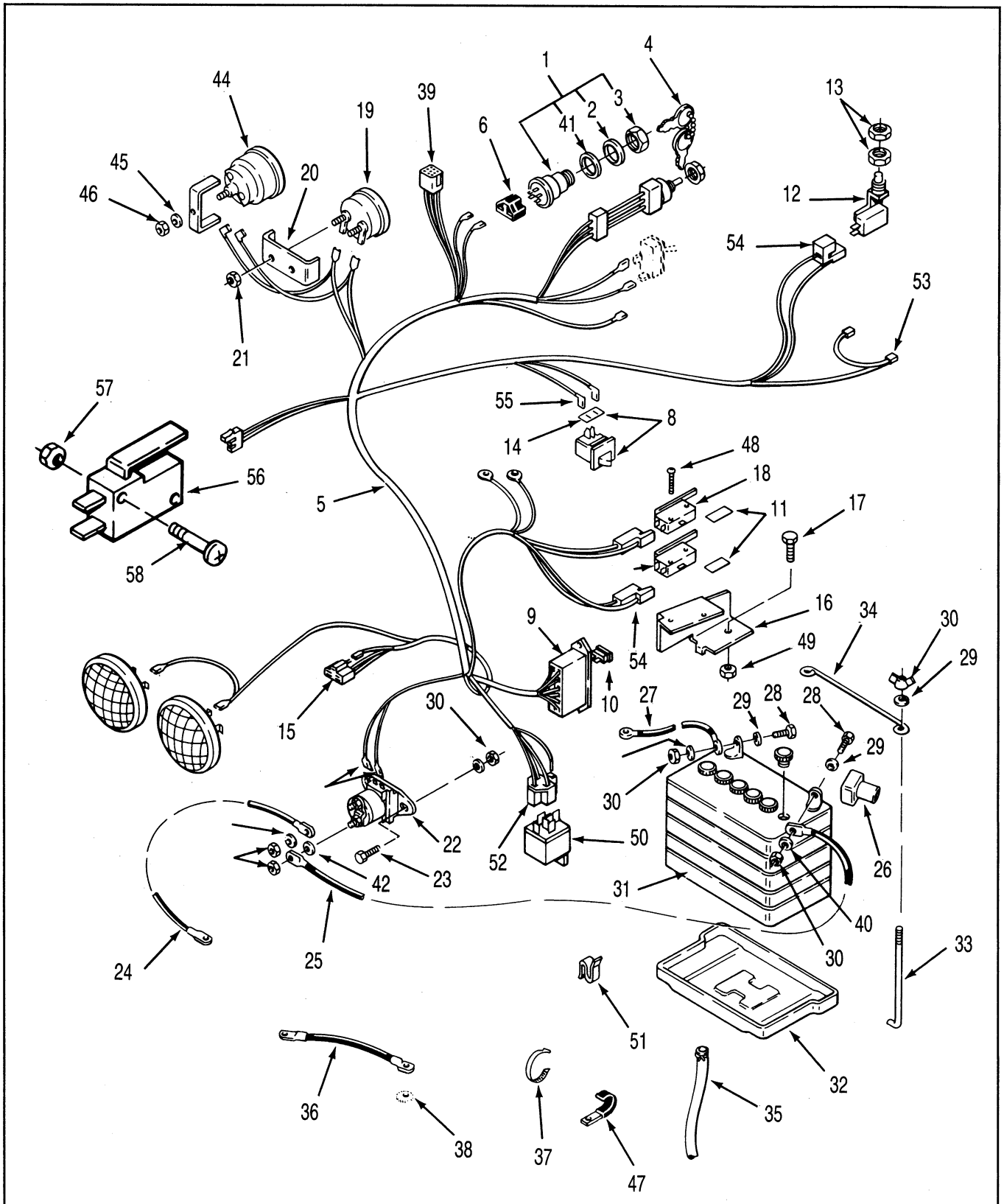


Figure 9-1 Electrical System

Figure 9-1
ELECTRICAL SYSTEM (CONTINUED)

ITEM	PART NUMBER	DESCRIPTION	Quantity
33	113969	Hook Battery Hold Down	2
34	113010	Battery Hold Down	1
35	114720	Drain Tube	1
36	109910	Ground Cable - Hood to Frame 312-8	1
37	100571	Cable Tie	1
38	920155	Internal Tooth Lockwasher 5/16	1
39	102651	Female Terminal 1/4 Part of 5	8
40	920081	Lockwasher 1/4	4
41	920262	Special Washer	1
42	920081	Lockwasher 1/4	2
43	915234	Jam Nut 1/4-20	2
44	113469	Hourmeter Complete (Inlcudes Items 52,53 & 54)	1
45	920120	Lockwasher	1
46	915962	Hex Nut	1
47	8830	Clip	X
48	910478	Screw #4-40 x 1 1/4	2
49	915732	E.S. Nut #4-40	2
50	116397	Relay	1
51	519337	Cable Clip	1
52	518105	Terminal Part of 5	X
53	6921	Shur Plug Terminal Part of 5	1
54	111498	Connector Part of 5	2
55	518077	Terminal Part of 5	2
56	111332	Parking Brake Switch 416-8	1
57	915732	E.S. Hex Nut #4-40	2
58	910948	Screw #4-40 x 3/4	2

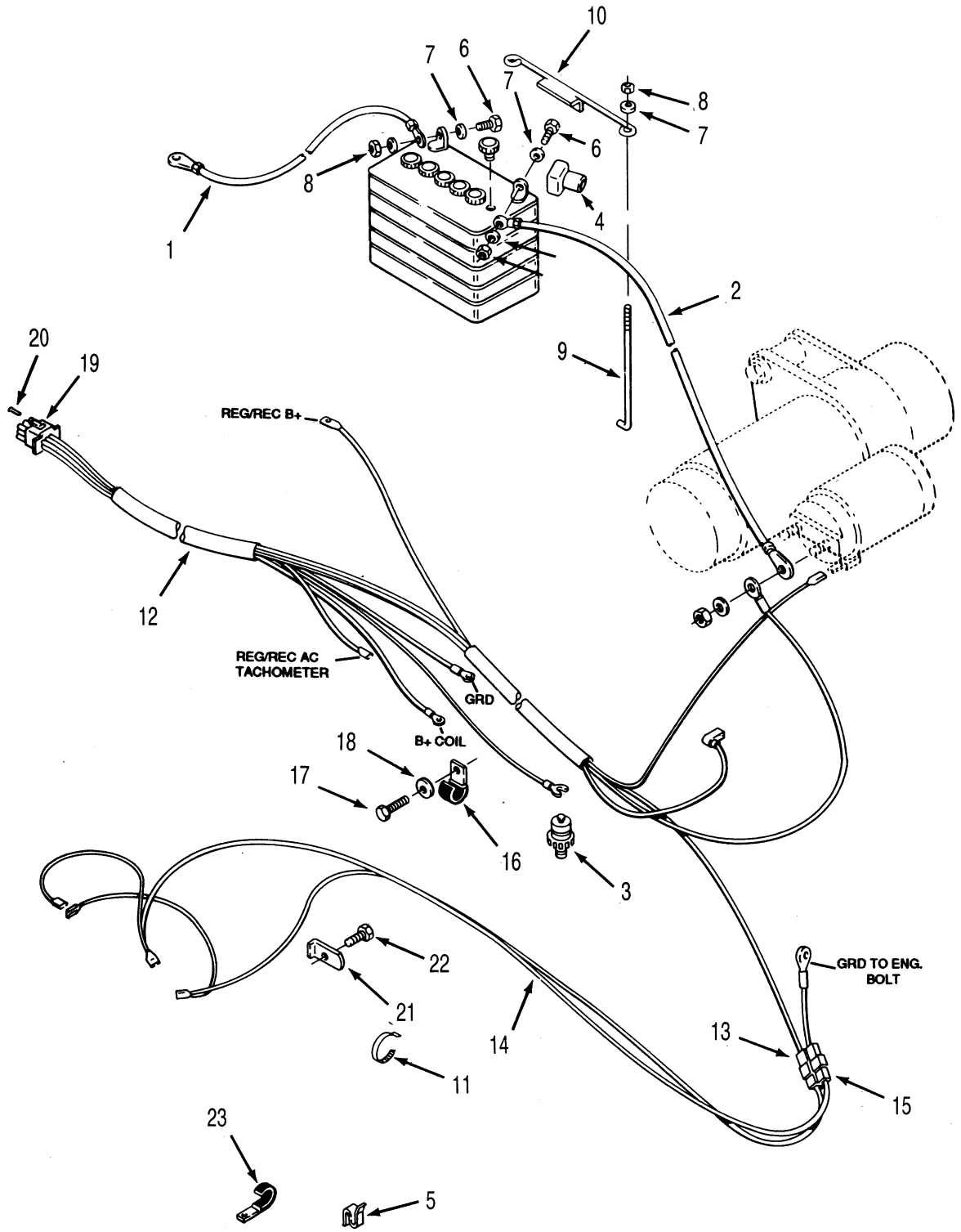


FIGURE 9-2 ELECTRICAL SYSTEM

Figure 9-2
ELECTRICAL SYSTEM - 416 ONLY

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	114210	Cable-Battery Ground (24")	1
2	113825	Cable-Battery (+) to Solenoid (40")	1
3	NN10273	Low Oil Pressure Switch	1
4	109553	Terminal Cover	2
5	3023	Clip Small	X
6	908003	Bolt 1/4-20 × 3/4	2
7	920007	Washer 1/4 SAE	4
8	116497	Eslok Nut 1/4-20	6
9	113996	Hook-Battery Hold Down	2
10	113010	Battery Hold Down Rod	1
11	100571	Cable Tie	X
12	NN10294	Engine Wiring Harness	1
13	NN10278	2-Terminal Connector - Male	1
14	114052	Headlight Harness	1
15	109357	2-Terminal Connector - Female	1
16	NN10348	Clip	1
17	NN10399	Screw 1/4-10 × 1/2	1
18	NN10425	Internal Tooth Washer 1/4	1
19	NN10281	9-Terminal Connector-Male	1
20	NN10279	Socket Contact	1
21	109459	Clamp	2
22	926671	Bolt Hex 1/4-20 × 1/2 ST	2
23	8830	Clip	1

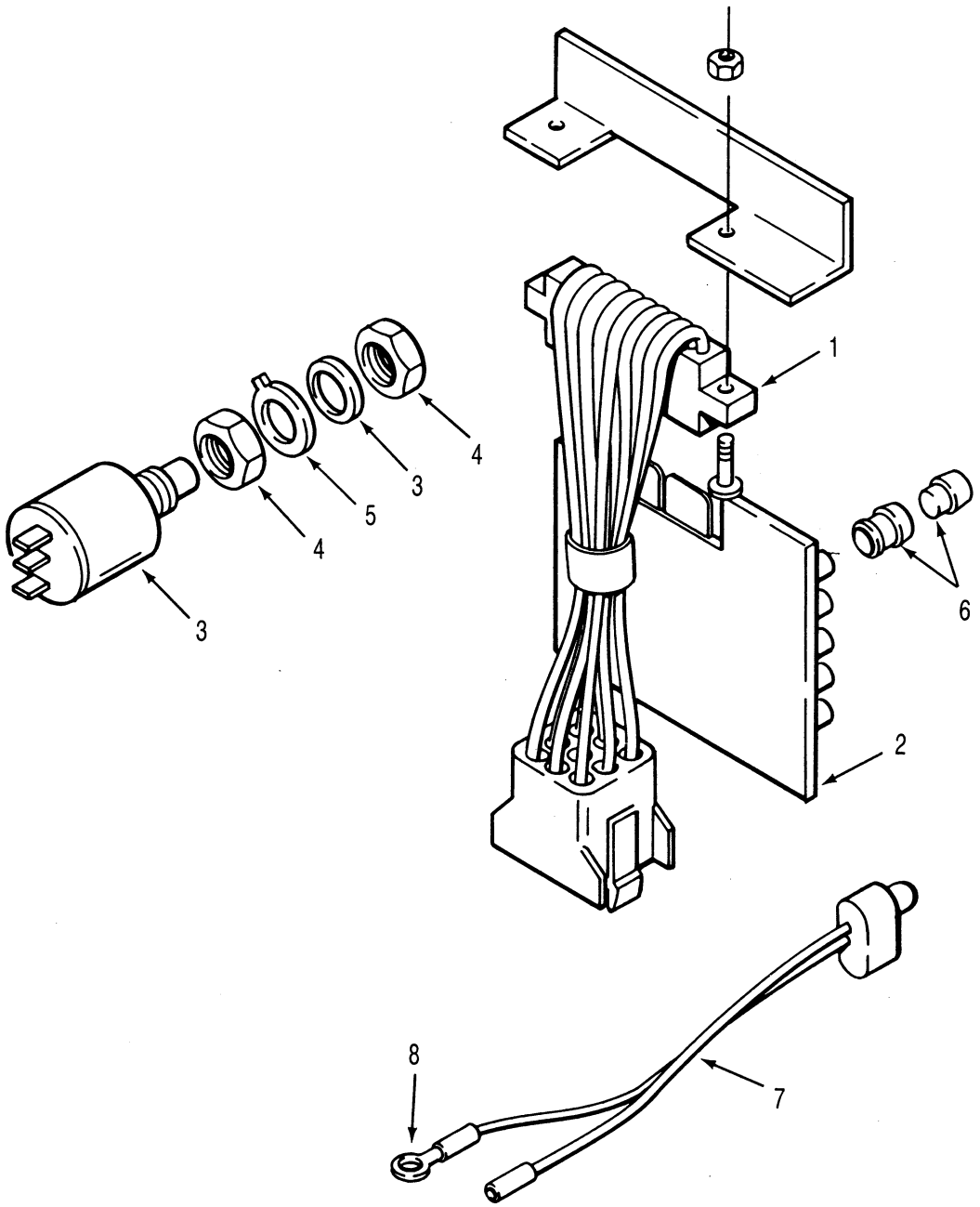


Figure 9-2 Electrical System

Figure 9-3
ELECTRICAL SYSTEM

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	116723	Wiring Harness 312-8	1
	117377	Wiring Harness 416-8	1
2	115207	PC Board W/Lights 312-8, 416-8	1
3	116796	Test Switch	1
4	111359	Hex Nut	2
5	111767	Indexed Washer	1
6	111343	Indicator Lens & Bushing Assy	5
7	117185	Indicator Light 310-8	1
8	111351	Indicator Light Wiring Hamess 310-8	1
		NOT ILLUSTRATED	
	117217	Switch Button	1

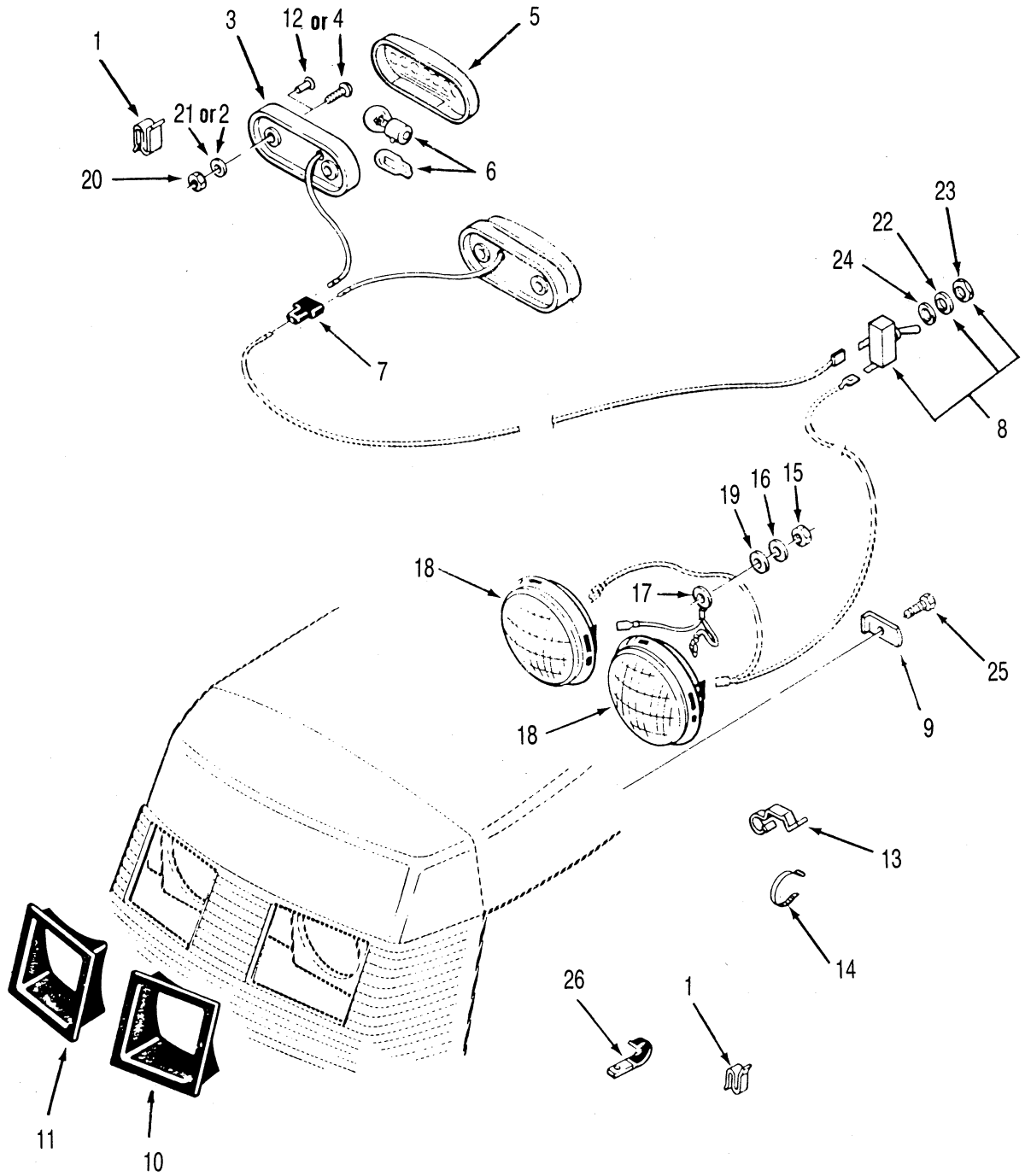
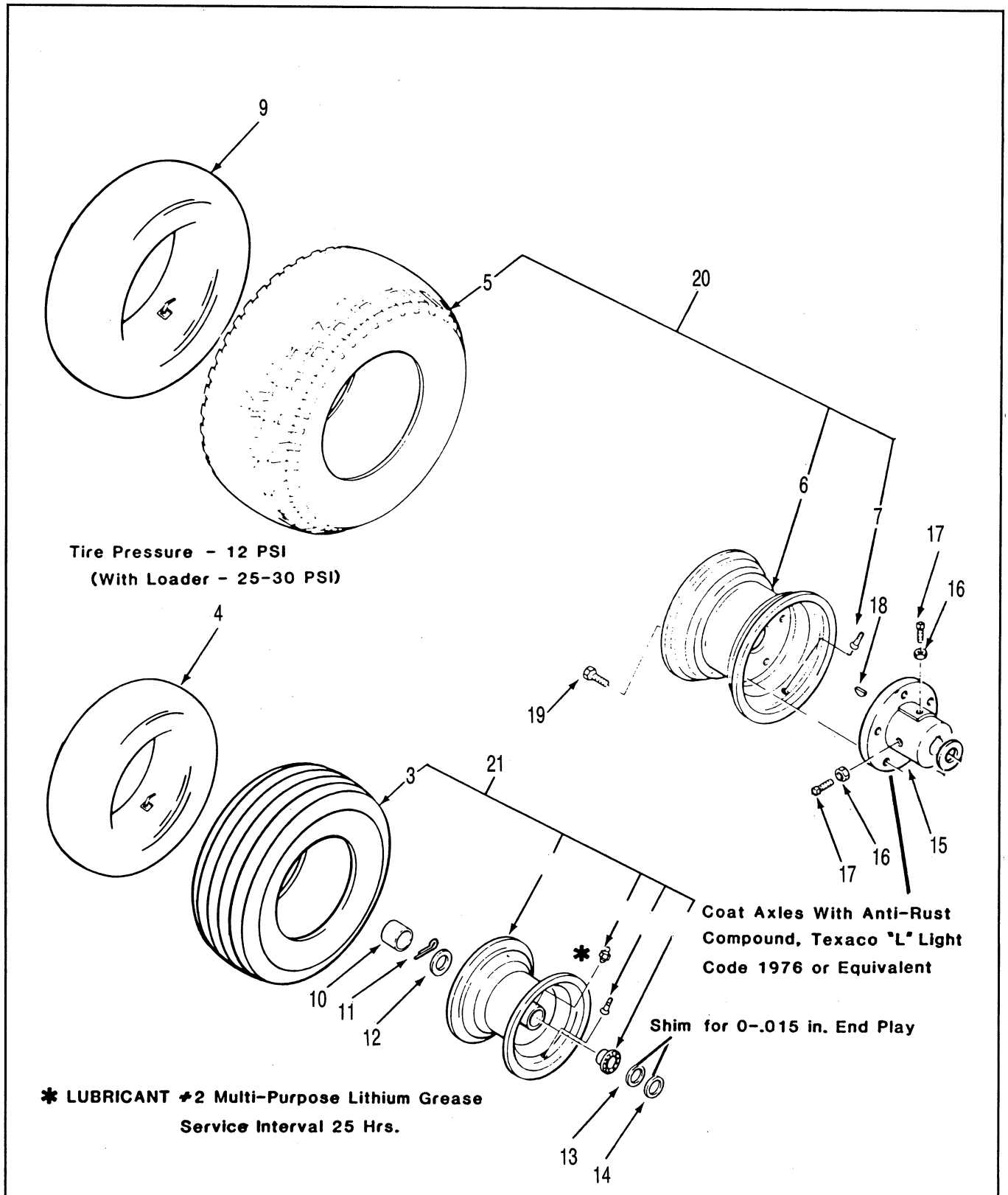


Figure 9-3 Electrical System

Figure 9-4
ELECTRICAL SYSTEM

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	3023	Clip-Small	X
2	920079	Lockwasher nr. 10 (Optional)	4
3	105202	Taillight Base W/Bulb	2
4	910808	Screw nr. 10-32 x 5/8 (Optional)	4
5	112564	Taillight Lens	2
6	8043	Light Bulb - Metal Base (Auto nr. 1895)	2
	109045	Light Bulb - All Glass (Auto nr. 194)	2
7	7618	Connector 3-Wire	1
8	102138	Light Switch	1
9	109459	Clamp	2
10	109495	L.H. Headlight Bezel	1
11	109494	R.H. Headlight Bezel	1
12	923795	Poprivet 3/16 x .402 Aluminium (Production)	4
13	8519	Clip-Large	X
14	100571	Cable Tie	X
15	915662	Nut 5/16-18 E.S.	1
16	920155	Lockwasher 5/16	1
17	108130	Headlight Ground Wire	1
18	102881	Headlight	2
19	920008	Washer 5/16 SAE	1
20	915551	Nut nr. 10-32 (Optional)	4
21	920004	Washer nr. 8 (Use With Poprivet-Production)	4
22	102950	Lockring	1
23	8786	Nut	1
24	920259	Special Washer	1
25	926671	Bolt Hex 1/4-20 x 1/2 ST	2
26	8830	Clip	1

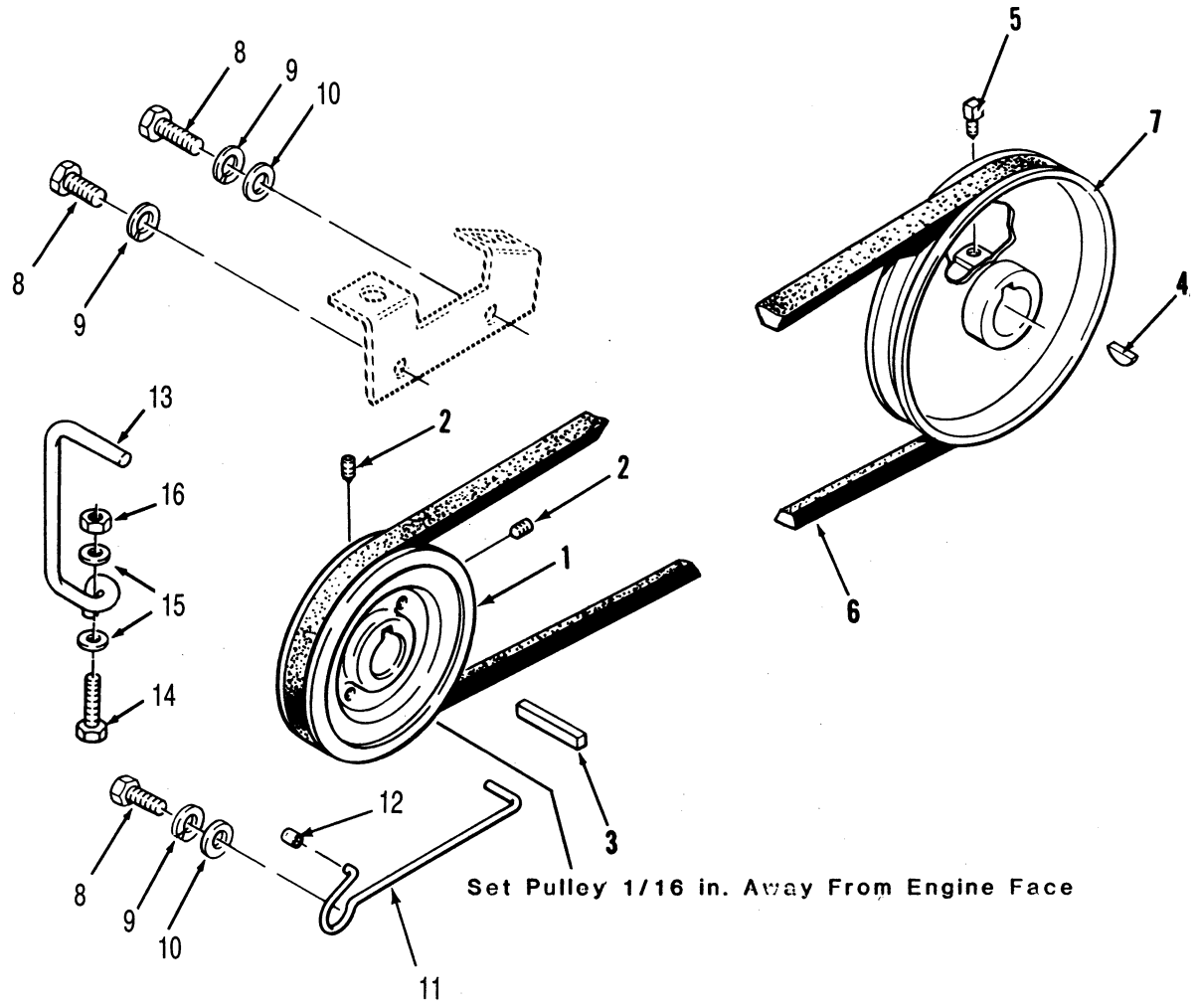


TORO® Wheel Horse Tractors & Riding Mowers

Figure 10 - 1 Wheels and Tires

Figure 10-1
WHEELS AND TIRES

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	109500	Grease Fitting	2
2	117285	Front Wheel (includes item 1, 10, 11) - 312-8	2
	117399	Front Wheel (includes item 1, 10, 11) - 416-8	2
3	116884	Front Tire 15×6.00-6 Turf Trd - 312-8	2
	117127	Front Tire 16×6.50-8 - 416-8	2
4	100079	Tube - Service Only	2
5	116744	Rear Tire 22×9.00-12 Turf Tread	2
6	111516	Rear Wheel 12×7	2
7	5108	Valve Stem	2
8	110513	Ball Bearing	4
9	7007	Rear Tube	2
10	109154	Hubcap	2
11	932026	Cotter Pin 5/32 × 1 1/4	2
12	109114	Special Hub Cap Washer	2
13	1278	Shim Washer .050	X
14	5210	Shim Washer .015	X
15	105763	Hub Rear Wheel	2
16	915236	Jam Nut 3/8-16	4
17	909554	Set Screw 3/8-16×1	4
18	937108	Woodruff Key 1/4×1	2
19	1004	Lug Bolt	10
20	116743	Rear Wheel & Tire Assy	2
21	117289	Front Wheel & Tire Assy - 312-8	2
	117398	Front Wheel & Tire Assy - 416-8	2



1452

Figure 11 - 1 Drive Belt and Pulleys

Figure 11-1
DRIVE BELT AND PULLEYS

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	7466	Engine Drive Pulley	1
2	909862	Set Screw 5/16-18×5/16	2
3	105453	Key 1/4×1/4×3/4	1
4	937221	Hi-Pro Key 5/32×5/8	1
5	909540	Set Screw 5/16-18×1/2 Nylok	2
6	7473	Drive Belt 312-8	1
	107939	Drive Belt 416-8	1
7	106165	Transmission Drive Pulley	1
8	908047	Bolt 7/16-14×1 1/4	3
	908034	Bolt 3/8-16×1 416-8	2
9	920084	Lockwasher 7/16 312-8	3
	920083	Lockwasher 3/8 416-8	2
10	920010	Washer 7/16 SAE 312-8	3
11	111242	Belt Guide - Bottom 312-8	1
12	112841	Cap 312-8	1
13	120320	Belt Guide 416-8	1
14	908020	Bolt 5/16-18×1 1/4 416-8	1
15	920038	Washer 5/16 US 416-8	2
16	915662	E.S. Nut 5/16-18 416-8	1

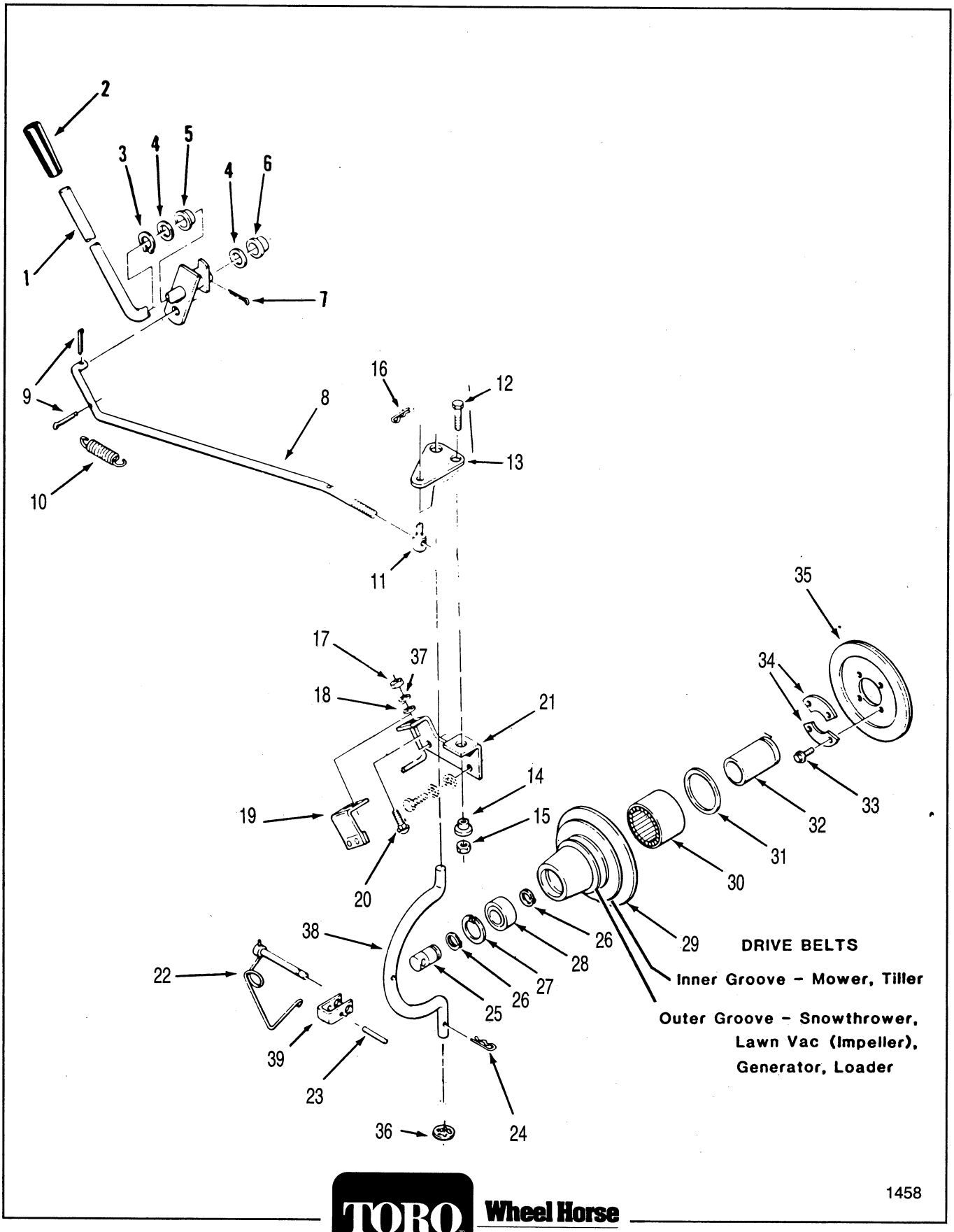
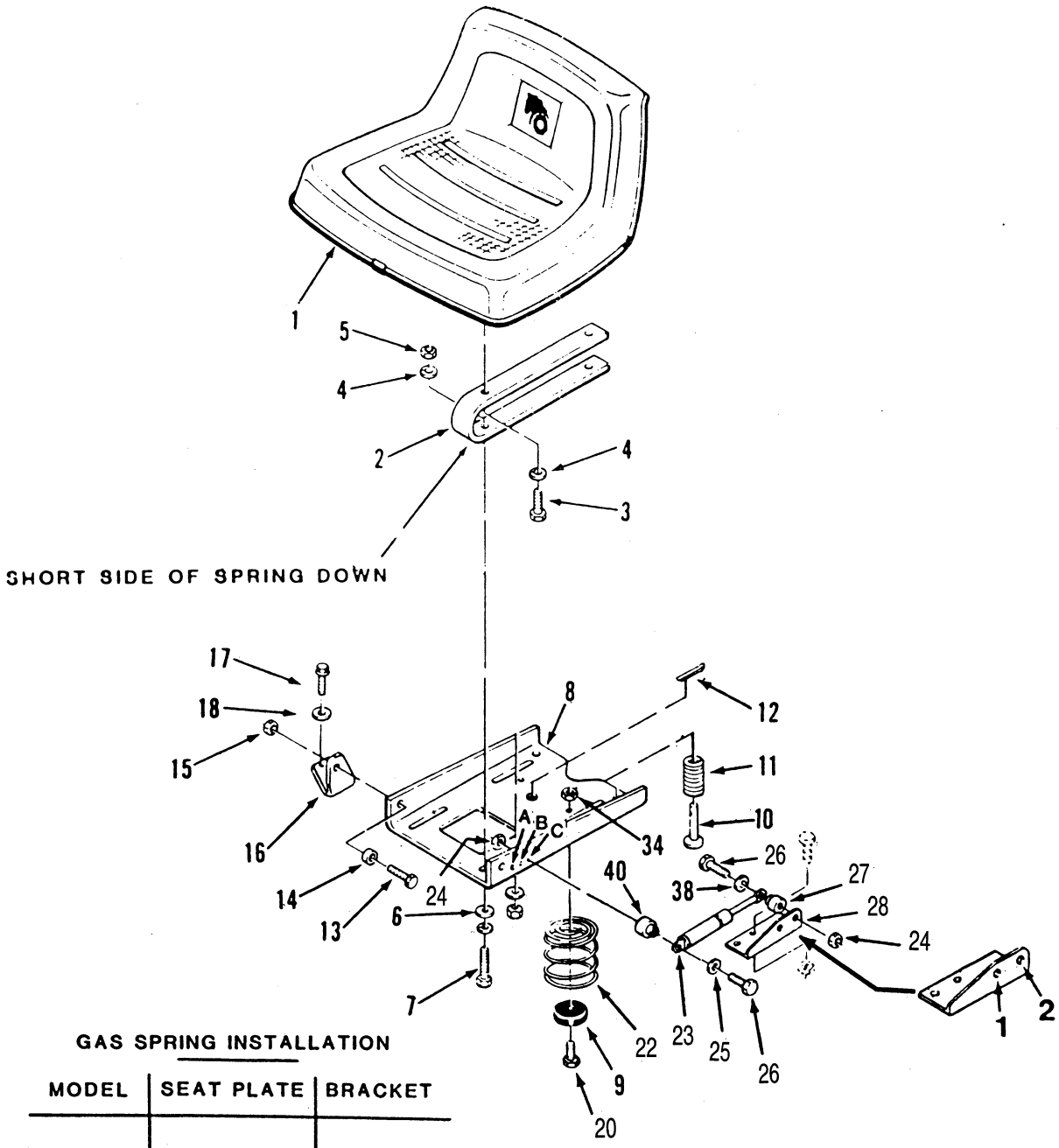


Figure 11-2 PTO Clutch and Control

Figure 11-2
PTO CLUTCH AND CONTROL

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	111234	PTO Clutch lever	1
2	9038	Grip	1
3	106649	Grip Ring	1
4	3765	Shim Washer	2
5	5666	Nyliner Bushing	1
6	5983	Bushing	1
7	932016	Cotter Pin 1/8 x 3/4	1
8	111052	PTO Clutch Rod	2
9	932016	Cotter Pin 1/8 x 3/4	2
10	103125	Spring	1
11	110656	Trunnion	1
12	908034	Bolt 3/8-16 x 1	1
13	110669	PTO Plate	1
14	104859	Spacer	1
15	915663	Nut 3/8-16 E.S.	1
16	933505	Hairpin Cotter	1
17	915234	Jam Nut 1/4-20	2
18	920007	Washer 1/4 SAE	2
19	110665	PTO Brake Assembly	1
20	900015	Carriage Bolt 1/4-20 x 3/4	2
21	113853	Engine bracket - 316-8 Only	1
	111240	Engine Bracket - 312-8 Only	1
22	111314	Locking Pin	1
23	933274	Spirol Pin 5/32 x 1 3/8	1
24	933506	Hairpin Cotter	1
25	102872	Stub Shaft	1
26	936125	Snap Ring 3/4 External	2
27	936032	Snap Ring 1 3/4 Internal	1
28	109842	Ball Bearing	1
29	103478	Pulley Housing	1
30	106769	Needle bearing	1
31	6663	Seal	1
32	6658	Bearing Race	1
33	908002	Nylok Bolt 1/4-20 x 5/8	4
34	6659	Retainer	2
35	114881	Clutch Plate & Facing	1
36	106695	Push-On Ring	1
37	920081	Lock Washer 1/4	1
38	113108	PTO Housing Rod - 312-8 Only	1
	113876	PTO Housing Rod - 416-8 Only	1
39	113107	Clevis	1



GAS SPRING INSTALLATION

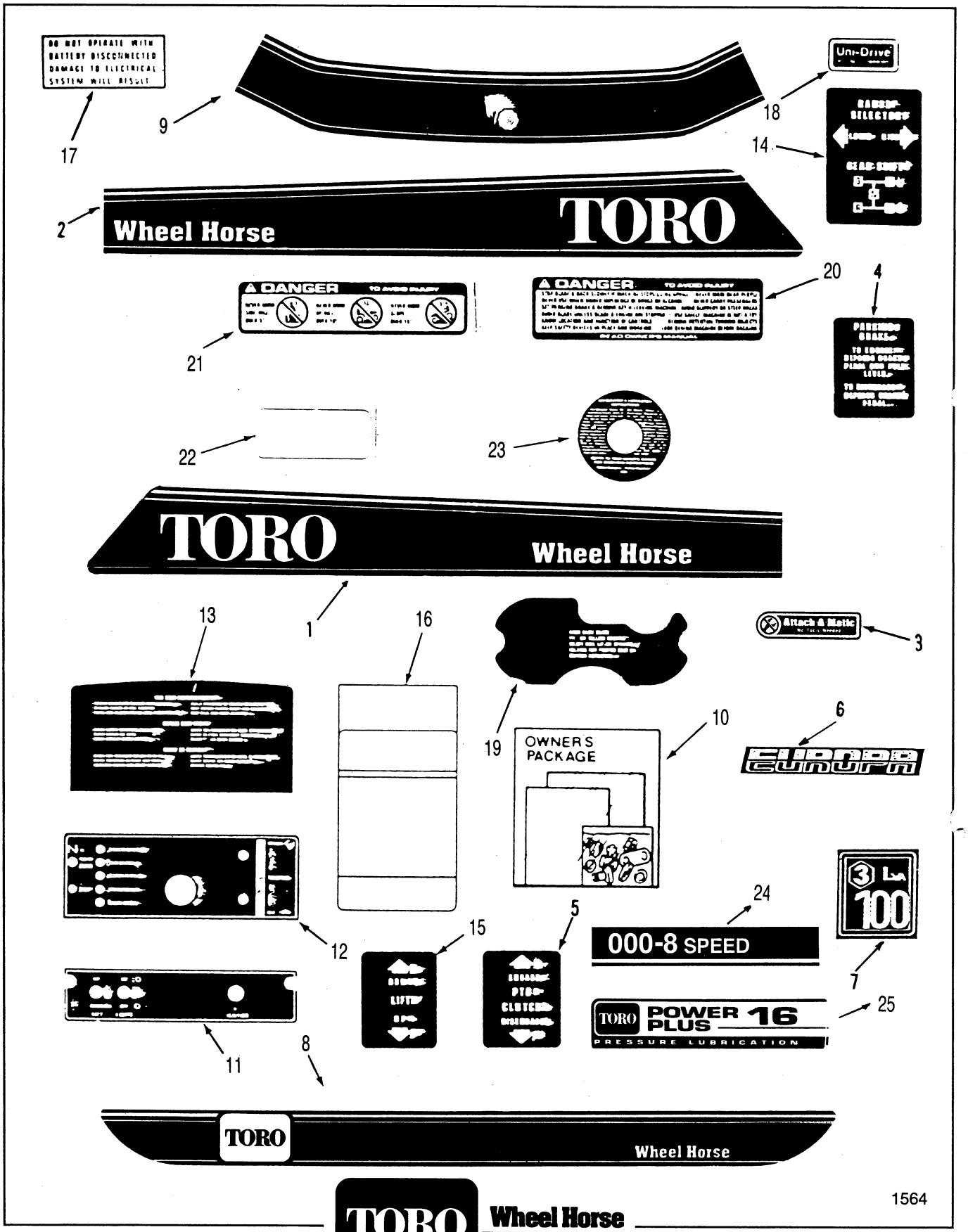
MODEL	SEAT PLATE	BRACKET
312	B	1

1563

Figure 12 - 1 Seat

Figure 12-1
SEAT

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	113986	Seat	1
2	110920	Seat Spring	2
3	908017	Bolt 5/8-18 x 3/4	4
4	920082	Lockwasher 5/16	8
5	915112	Nut 5/16-18	4
6	920008	Washer 5/16 SAE	4
7	908018	Bolt 5/16-18 x 7/8	4
8	112478	Seat Pivot Plate	1
9	108889	Bumper	2
10	106449	Pin	1
11	114267	Spring	1
12	932008	Cotter Pin 3/32 x 3/4	1
13	908018	Bolt 5/16-18 x 7/8	2
14	105503	Bushing	2
15	915662	Nut 5/16-18 E.S.	2
16	112744	Pivot Bracket RH	1
	112745	Pivot Bracket LH	1
17	913464	S.T. Bolt 5/16-18 x 7/8	4
18	920008	Washer 5/16 SAE	4
19	923784	Poprivet 1/8 x .232	1
20	908019	Bolt 5/16-18 x 1	2
21	915662	E.S. Nut 5/16-18	2
22	114496	Seat Lifter Spring - Black	2
23	114343	Gas Spring	1
24	915661	Nut 1/4-20 E.S	2
25	920007	Washer 1/4 SAE	2
26	908006	Bolt 1/4-20 x 1/-1/4	2
27	114344	Spacer	2
28	114345	Gas Spring Bracket	1

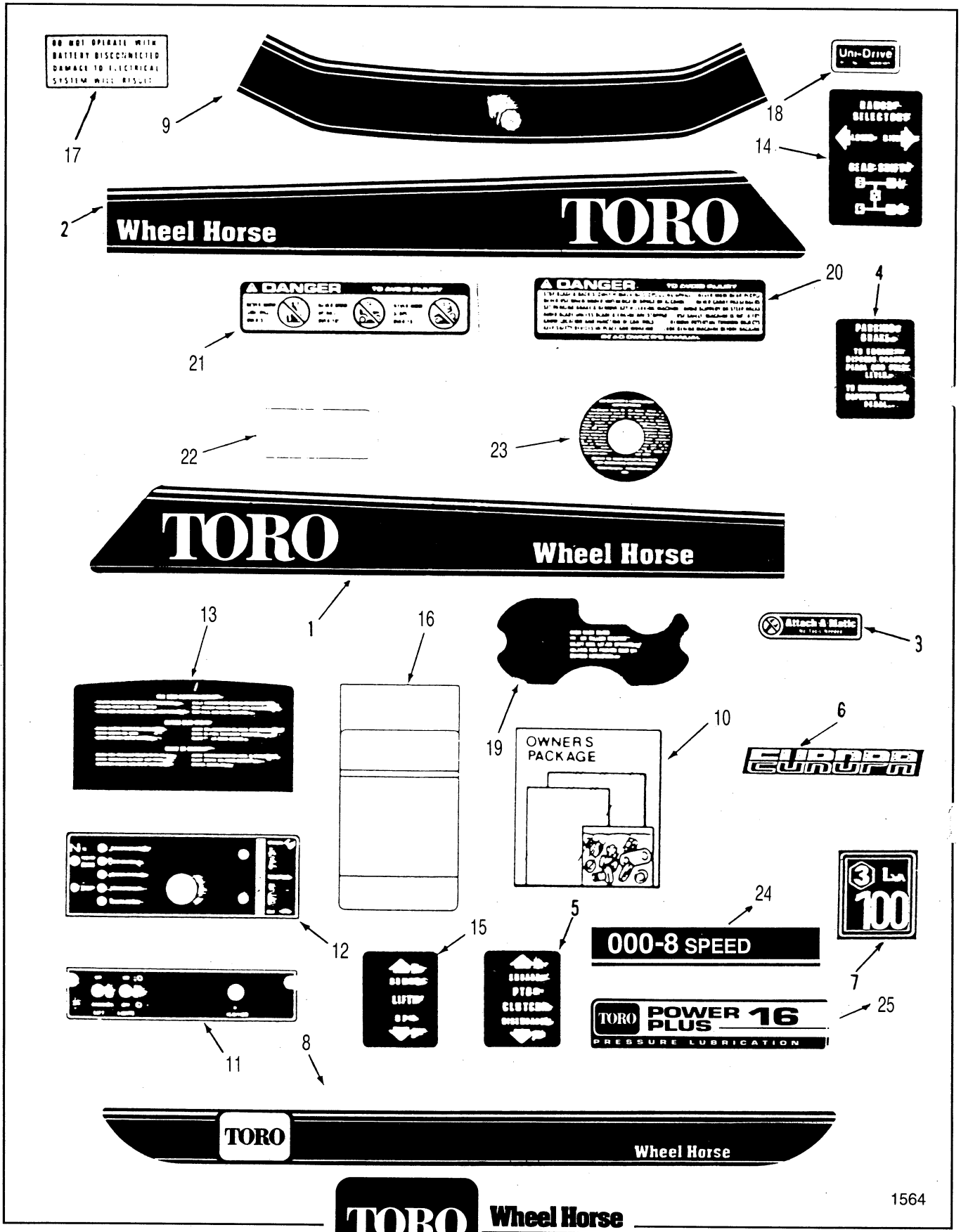


TORO Wheel Horse Tractors & Riding Mowers

Figure 12 - 2 Decals

Figure 12-2
DECALS

ITEM	PART NUMBER	DESCRIPTION	Quantity
1	118350	Decal-Hood RH 312-8	X
	117496	Decal-Hood RH 416-8	X
2	117459	Decal-Hood LH 312-8	X
	117497	Decal-Hood LH 416-8	X
3	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
4	111510	Decal-Parking Brake	1
	88278	Decal-Parking Brake German	1
	88279	Decal-Parking Brake French	1
	88280	Decal-Parking Brake Dutch	1
5	111960	Decal-PTO Clutch	1
	88081	Decal-PTO Clutch Symbol	1
6	111342	Decal-Europa	2
7	114621	Decal-Europe Noise	1
8	117760	Decal-Rear Fender	1
9	114926	Decal-Hood Front	1
10	807238	Loose Parts Package 312-8	X
	807276	Loose Parts Package 416-8	X
11	119220	Decal-Switch Plate	1
	88145	Decal-Switch Plate Symbol	1
12	119200	Decal-Lower Dash Throttle 416-8	1
	88260	Decal-Lower Dash Throttle German 416-8	1
	88261	Decal-Lower Dash Throttle French 416-8	1
	88262	Decal-Lower Dash Throttle Dutch 416-8	1
	119190	Decal-Lower Dash Throttle 312-8	1
	88148	Decal-Lower Dash Throttle German 312-8	1
	88149	Decal-Lower Dash Throttle French 312-8	1
	88150	Decal-Lower Dash Throttle Dutch 312-8	1
13	116544	Decal Rear Hood	1
	88159	Decal Rear Hood German	1
	88079	Decal Rear Hood French	1
	88080	Decal Rear Hood Dutch	1
14	111534	Decal-Hi-Low Shift	1
	88157	Decal-Hi-Low-Shift Symbol	1
15	112168	Decal-Lift	1
	88067	Decal-Lift German	1
	88066	Decal-Lift French	1
	88068	Decal-Lift Dutch	1



TORO® Wheel Horse Tractors & Riding Mowers

Figure 12 - 2 Decals

Figure 12-2
DECALS (CONTD)

ITEM	PART NUMBER	DESCRIPTION	Quantity
16	115398	Decal-Maintenance	1
	88064	Decal-Maintenance German	1
	88063	Decal-Maintenance French	1
	88065	Decal-Maintenance Dutch	1
17	111926	Decal-Electrical System	1
	88121	Decal-Electrical System German	1
	88122	Decal-Electrical System French	1
	88123	Decal-Electrical System Dutch	1
18	104955	Decal-Uni-Drive	1
19	114296	Decal-Seat Lifter	1
	88087	Decal-Seat Lifter German	1
	88088	Decal-Seat Lifter French	1
	88089	Decal-Seat Lifter Dutch	1
20	112678	Decal-Danger	1
	88154	Decal-Danger German	1
	88155	Decal-Danger French	1
	88156	Decal-Danger Dutch	1
21	112679	Decal-Danger	1
	88163	Decal-Danger German	1
	88164	Decal-Danger French	1
	88165	Decal-Danger Dutch	1
22	112403	VIN Tag Overlay	1
23	KH10191	Decal-Air Cleaner/Lub. (vendor nr. 41 113 02)	1
24	117487	Decal 8-Speed 312-8	2
	117513	Decal 8-Speed 416-8	2
25	118540	Decal Toro Power Plus	1

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TORO®

Wheel Horse

Tractors & Riding Mowers