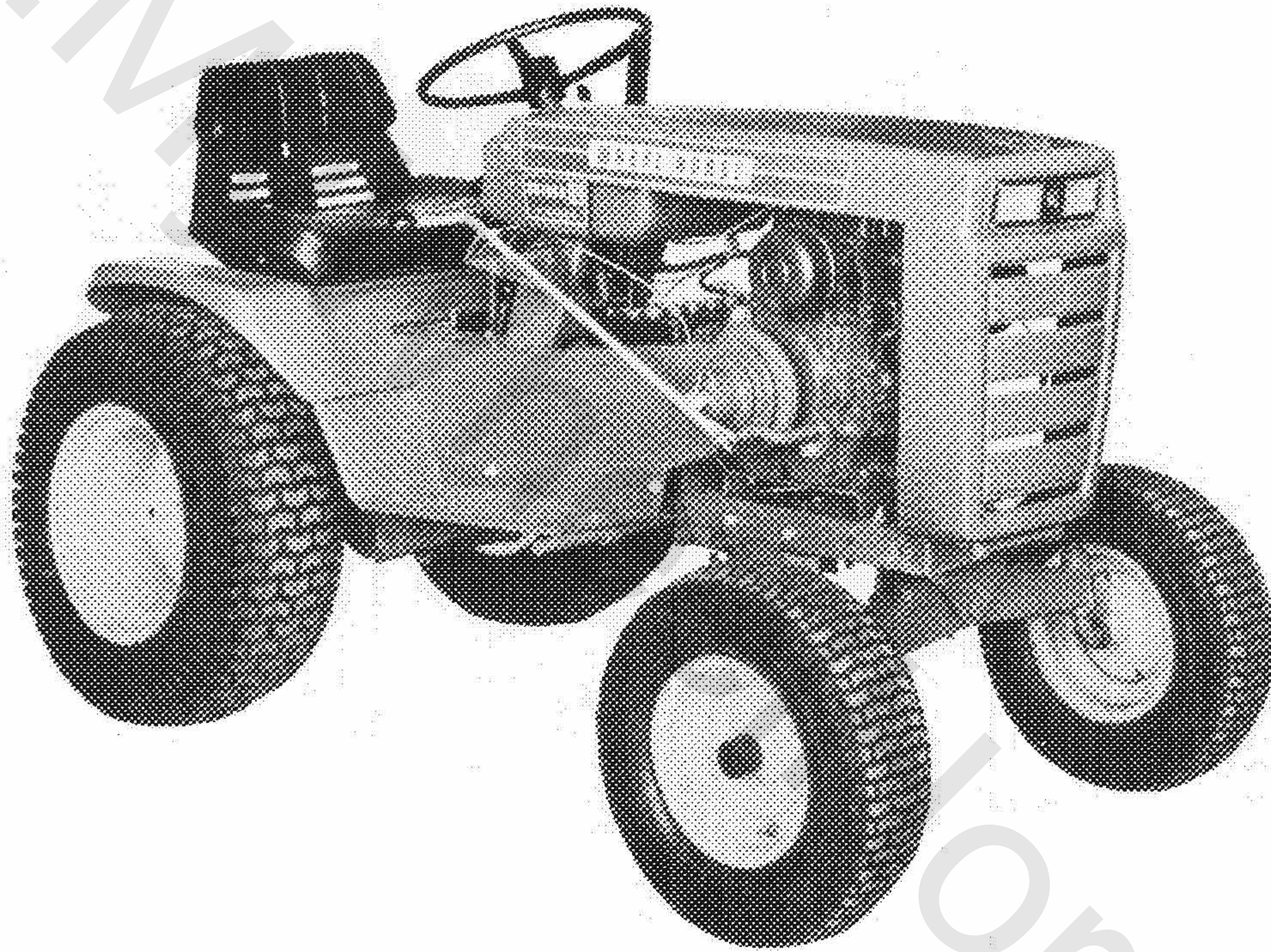




WHEEL HORSE

Lawn and Garden Tractors



PARTS MANUAL

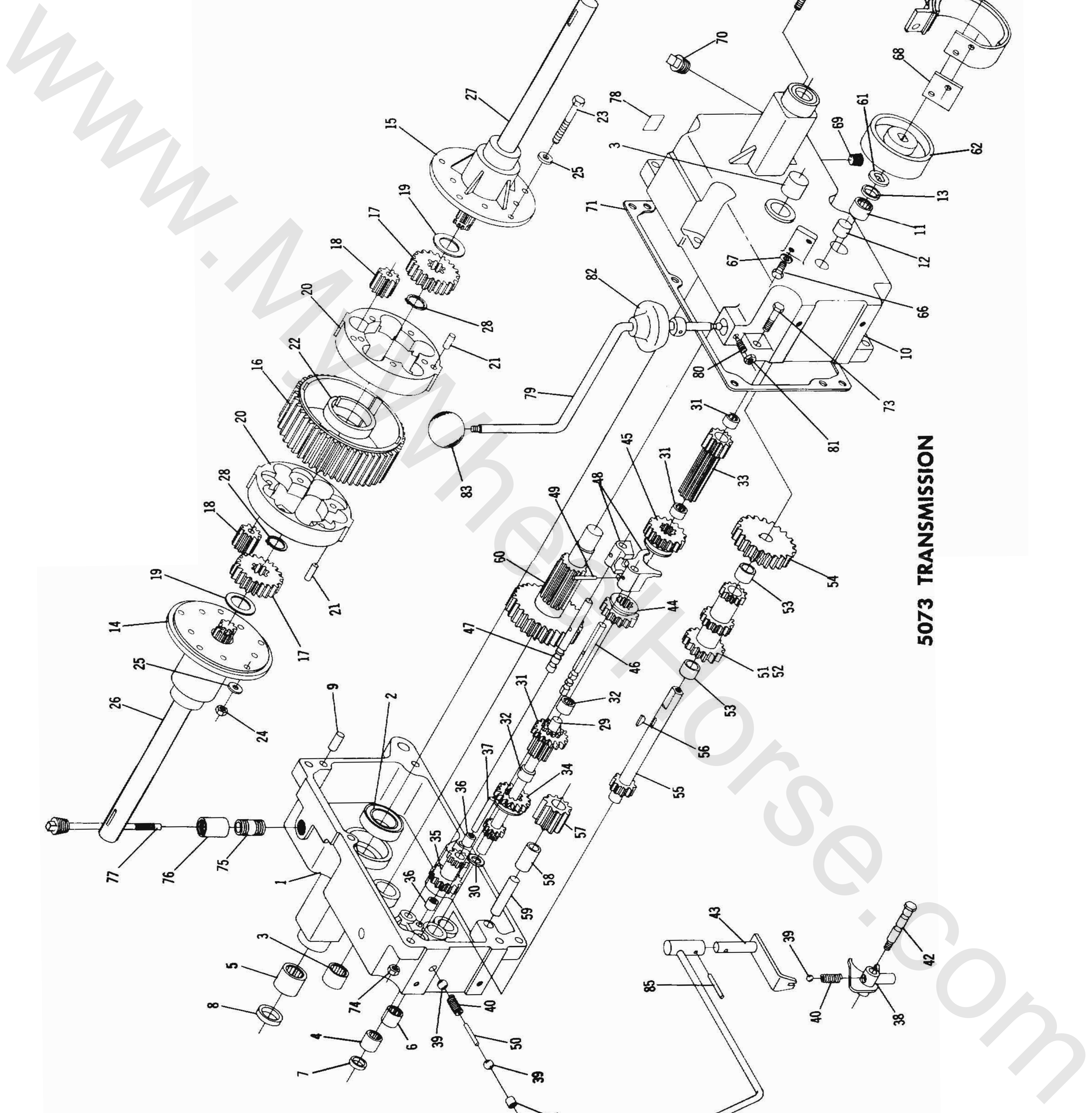
RAIDER 10 & 12 TRACTORS

MODELS

**1-6051, 1-6251
& 1-6253**

Wheel-Horse Products, Inc.

SOUTH BEND, INDIANA 46614



5073 TRANSMISSION

PARTS LIST FOR 5073 TRANSMISSION

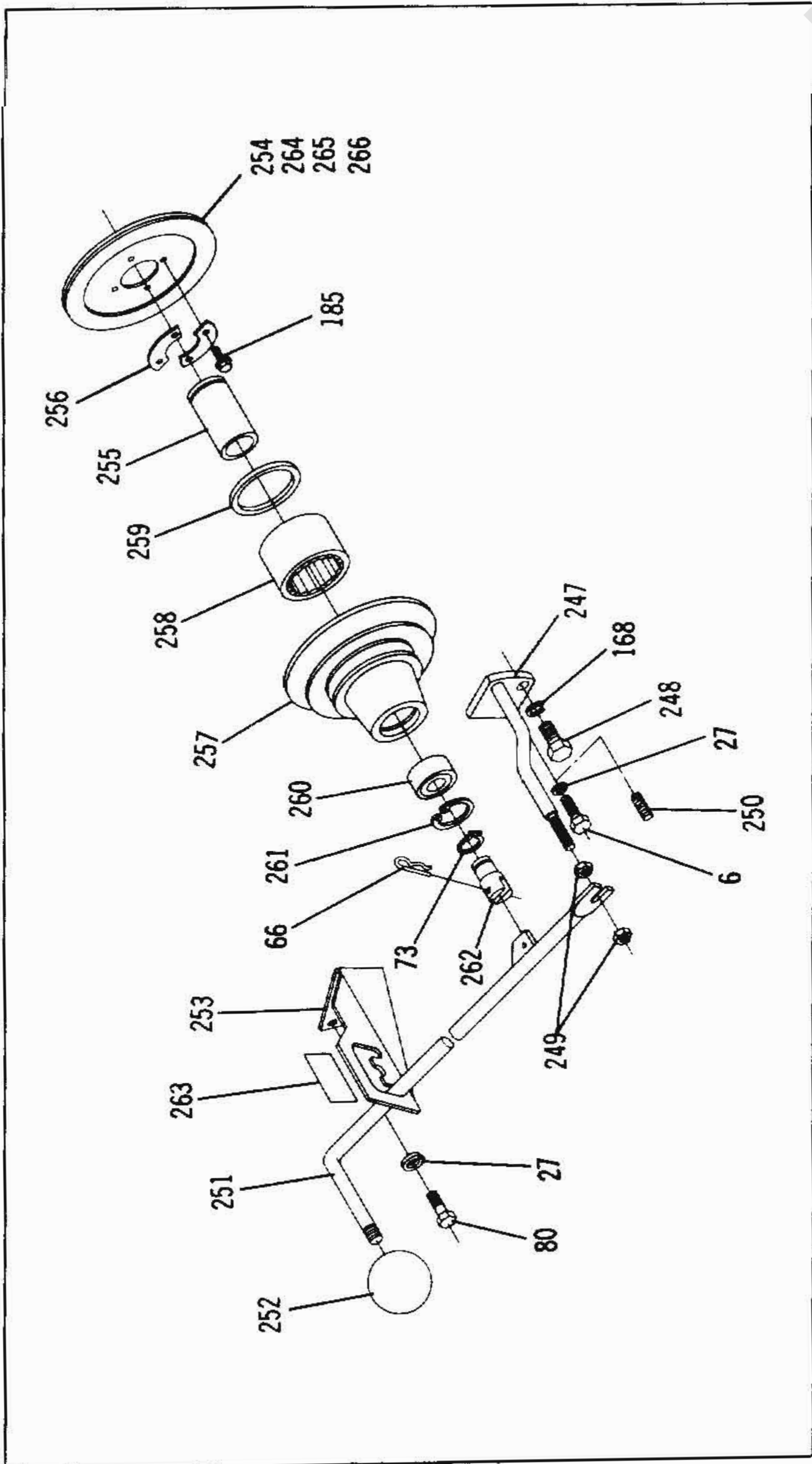
When ordering parts always list Part No. and name of part.

Parts available only through Authorized Dealers.

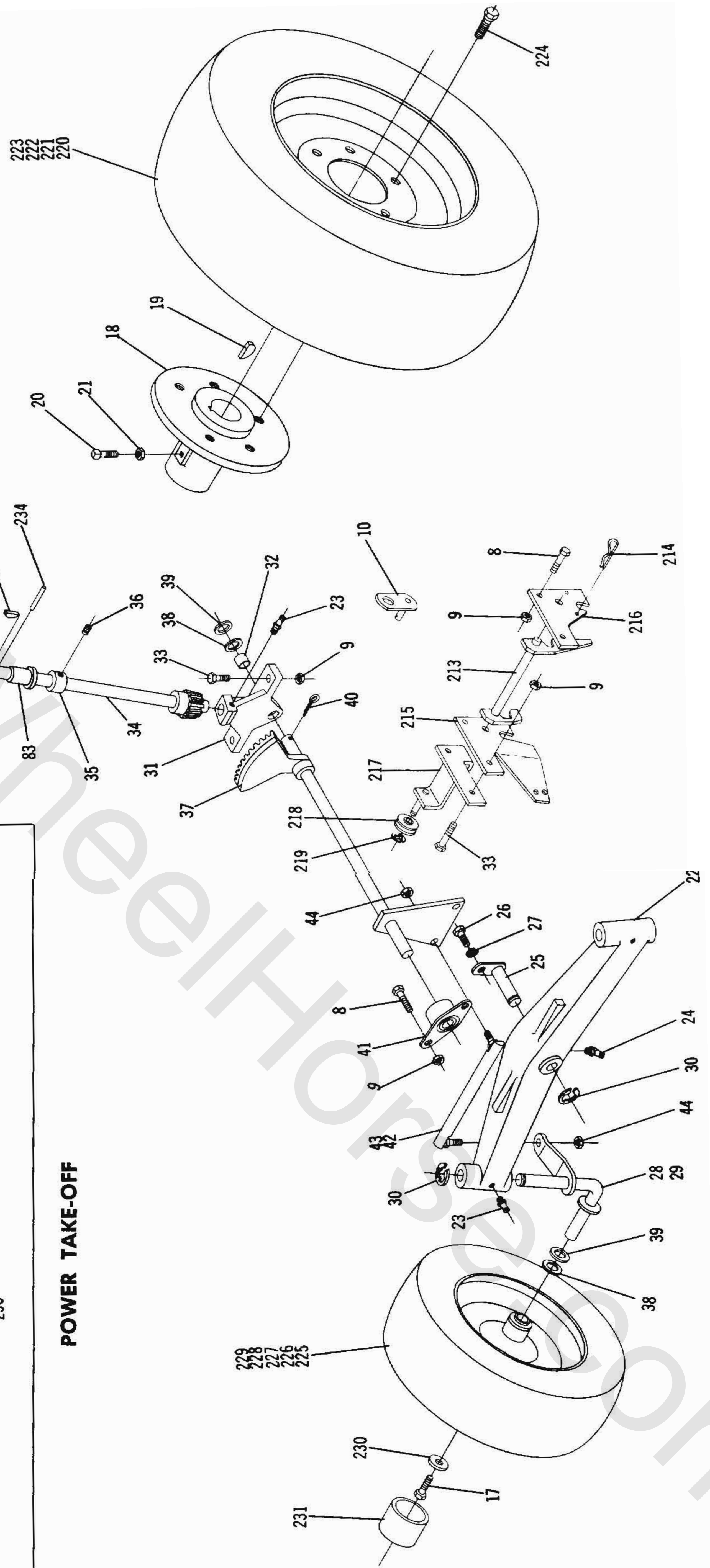
(Specifications subject to change without notice.)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	8163	Case R.H.	1	44	5173	Gear — Hi and 2nd	1
2	1533	Ball Bearing 1½ I.D.	2	45	5174	Gear — Low and Reverse	1
3	1532	Needle Bearing 1" I.D.	2	46	5615	Rail — Front Shift	1
4	1542	Needle Bearing 5/8" I.D.	1	47	5616	Rail — Rear Shift	1
5	1526	Needle Bearing 1 1/8 I.D.	2	48	3503	Shift Fork	2
6	1529	Needle Bearing 3/4 I.D.	1	49	933156	Roll Pin 1/8 x 1	2
7	1461	Seal 5/8 Shaft	1	50	5614	Pin — Shift Stop	1
8	1213	Seal 1 1/8 Shaft	2	51	7269	Gear and Bearing Complete	1
9	3915	Dowel Pin	2	52	3525	Gear — Cluster	1
10	6941	Case L.H.	1	53	1504	Bearing — Bronze 3/4 I.D.	2
11	1523	Needle Bearing 3/4 I.D.	1	54	3527	Gear — Reduction	1
12	1531	Needle Bearing 5/8 I.D.	1	55	9840	Shaft — Cluster Gear & Brake	1
13	1303	Seal — Shaft — Brake 3/4	1	56	937014	Key #9 Woodruff	1
14	8050	End Cap R.H.	1	57	4204	Gear — Reverse Idler	1
15	8051	End Cap L.H.	1	58	1516	Bushing — Bronze 1/2" I.D.	1
16	7196	Gear — Differential Ring	1	59	3909	Shaft	1
17	8053	Gear — Axle	2	60	9839	Gear 44T — 11T	1
18	8056	Gear — Differential Pinion	10	61	5951	Washer — Double "D"	1
19	7199	Washer — Thrust	2	62	9600	Drum — Brake	1
20	7200	Body	2	63	908032-5	Bolt — Nylok 3/8-16 x 3/4	1
21	933209	Roll Pin 1/4 x 1/2	4	64	2844	Washer — Special	1
22	7235	Spring — Cylindrical	1	65	9593	Brake Band and Lining	1
23	908138-4	Bolt Hex 3/8-16 x 3 1/4	5	66	908002-4	Bolt Hex 1/4-20 x 5/8	2
24	915663-4	Nut Elastic Stop 3/8-16	5	67	920081-4	Lockwasher 1/4"	2
25	920009-4	Washer 3/8 SAE	10	68	9598	Plate — Parking Brake Stop	1
26	7202	Axle — Rear R.H.	1	69	943460	Plug 1/4 Pipe	1
27	7203	Axle — Rear L.H.	1	70	943420	Plug 3/8 Pipe	1
28	7169	Snap Ring Heavy Duty	2	71	3912	Gasket	1
29	7201	Shaft — Input	1	72	908043-4	Bolt Hex 3/8-16 x 3 1/2	1
30	7418	Washer — Thrust	1	73	908038-4	Bolt Hex 3/8-16 x 2	5
31	7204	Gear and Spline	1	74	915113-6	Nut Hex 3/8-16 Nylok	6
32	1518	Needle Bearing 5/8 I.D.	4	75	943338	Nipple Close 1/2 Pipe	1
33	5175	Pinion — Gear and Spline	1	76	943004	Coupling 1/2 Pipe	1
34	7205	Gear — Sliding	1	77	6155	Dipstick	1
35	7206	Gear — Reduction	1	78	1935	Decal	1
36	7207	Needle Bearing 3/8 I.D. x 1/2	2	79	5632	Shift Stick	1
37	7208	Shaft — Reduction Gear	1	80	1239	Set Screw Dog Point	1
38	7209	Shift Fork	1	81	915111-4	Nut Hex 1/4-20	1
39	3517	Ball — Stop	3	82	3577	Boot	1
40	3518	Spring — Stop	2	83	1001	Knob	2
41	1243	Plug	1	84	7217	Handle — Shift	1
42	7213	Bolt — Detent	1	85	933184	Roll Pin 3/16 x 3/4	1
43	7214	Shift Lever	1				

STEERING & WHEEL ASS'Y.

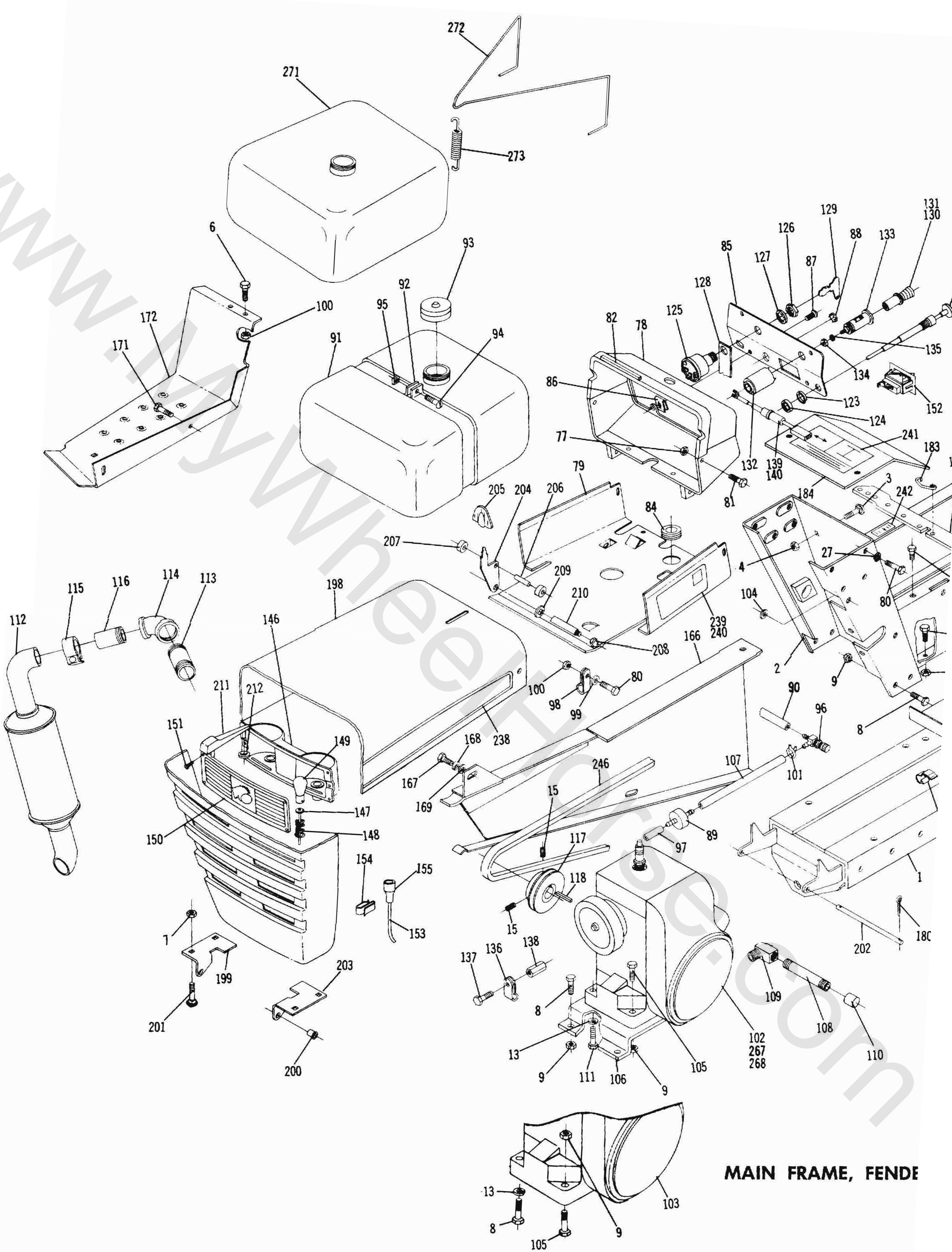


POWER TAKE-OFF

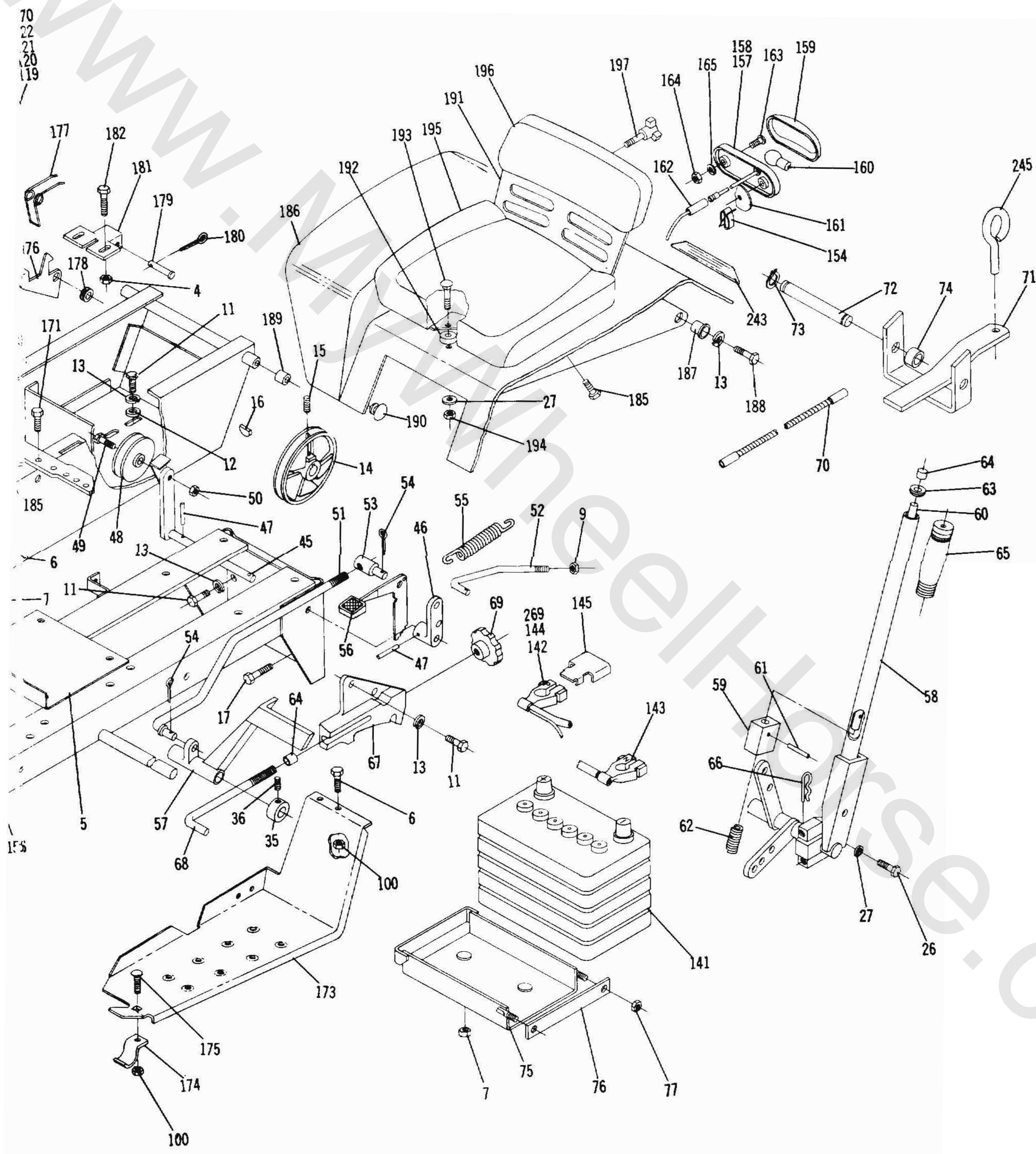


WWW

WATER



MAIN FRAME, FENDE



70
22
21
20
19

HOOD ASS'Y.

TRACTOR PARTS LIST FOR RAIDER 12 (1-6251) & RAIDER 10 (1-6051)

See Page 9 for Raider 12 (1-6253)

When ordering parts always list Part No. and name of part.

Parts available only through Authorized Dealers.

(Specifications subject to change without notice.)

Item No.	Part No.	Description	Req'd. 1-6251	Req'd. 1-6051	Item No.	Part No.	Description	Req'd. 1-6251	Req'd. 1-6051
1	9789	Frame	1	1	69	5280	Knob Height Control	1	1
2	7881	Hoodstand	1	1	70	8277	Conduit — Cable	1	1
3	900196-4	Bolt — Carriage 1/4-20 x 3/4	2	2	71	1644	Hitch	1	1
4	915661-4	Nut Elastic Stop 1/4-20	4	4	72	1647	Pin	1	1
5	6825	Dust Cover	1	1	73	936125	Snap Ring 3/4 Shaft	3	3
6	908017-4	Bolt 5/16-18 x 3/4	6	7	74	8272	Spacer	2	2
7	915112-6	Nut Nylok 5/16-18	8	8	75	7781	Battery Box	1	1
8	908034-4	Bolt Hex 3/8-16 x 1	10	14	76	7779	Link — Battery Clamp	1	1
9	915663-4	Nut Elastic Stop 3/8-16	19	15	77	915111-6	Nut — Nylok 1/4-20	4	4
10	6727	Cam Arm	1	1	78	5450	Housing Control Panel	1	1
11	908032-4	Bolt Hex 3/8-16 x 3/4	6	6	79	100498	Support — Fuel Tank	1	1
12	920009-4	Washer 3/8 SAE	2	2	80	908016-4	Bolt Hex 5/16-18 x 5/8	7	7
13	920083-4	Lockwasher 3/8	10	10	81	960152-4	Bolt Whizlock 1/4-20 x 5/8	4	4
14	7492	Pulley — Transmission	1	1	82	5606	Tape — Hood Insulator	1	1
15	909862-5	Set Screw Nylok 5/16-18 x 5/16	3	3	83	5409	Bushing — Nylon	1	1
16	937010	Key — Woodruff 5/32 x 5/8	1	1	84	5439	Grommet — Rubber	1	1
17	908033-6	Bolt Nylok 3/8-16 x 7/8	4	4	85	7917	Panel — Complete	1	1
18	6465	Hub Wheel	2	2	86	5442	Speed Nut #10-16	4	4
19	937022	Key — Woodruff	2	2	87	926374	Screw — Self Tap #10-16	4	4
20	909554	Set Screw Square 3/8-16 x 1	2	2	88	935085-4	Plug — Button	1	1
21	915236-4	Nut Hex 3/8-16 Jam	2	2	89	100327	Fuel Filter	1	1
22	5638	Axle — Front	1	1	90	9212	Fuel Hose	1	1
23	1030	Grease Fitting	3	3	91	8022*	Fuel Tank	1	1
24	1481	Grease Fitting 45°	1	1	92	8026	Clamp — Tank	1	1
25	6216	Pin and Plate	1	1	93	1789	Cap — Fuel Tank	1	1
26	908015-4	Bolt Hex 5/16-18 x 1/2	4	4	94	910841-4	Bolt 1/4-20 x 1 1/4	1	1
27	920082-4	Lockwasher 5/16	14	15	95	915515-4	Nut Square 1/4-20	1	1
28	5630	Spindle R.H.	1	1	96	8023	Fuel Valve	1	1
29	5631	Spindle L.H.	1	1	97	100088	Hose Fuel	1	1
30	5618	"E" Ring 3/4 Shaft	3	3	98	4256	Clip — Hose	3	2
31	6396	Support Steering	1	1	99	920008-4	Washer 5/16-18	1	1
32	6397	Bushing	1	1	100	915662-4	Nut Elastic Stop 5/16-18	1	1
33	908035-4	Bolt Hex 3/8-16 x 1 1/4	4	4	101	950153	Clamp — Corbin 7/16 Dia.	6	6
34	7447	Shaft — Upper Steering	1	1	102	9653	Engine 10 H.P. Lauson "B"	0	1
35	1085	Collar	2	2	103	9651	Engine 12 H.P. Kohler	1	0
36	909848-5	Set Screw — Nylok 1/4-20 x 1/4	2	2	104	5189	Spacer — Valve	1	1
37	6469	Steering Shaft — Lower	1	1	105	908036-4	Bolt Hex 3/8-16 x 1 1/2	2	2
38	5210	Washer Shim (.015)	3	3	106	7467	Base — Engine	0	1
39	1278	Washer Shim (.050)	3	3	107	8215	Fuel Hose	1	1
40	932035-4	Cotter Pin 3/16 x 1 1/4	1	1	108	943335-4	Nipple 3/8 Pipe x 5	1	1
41	6472	Bearing and Housing	1	1	109	5222	Elbow 90°	1	1
42	5628	Ball Joint R.H.	1	1	110	5224	Cap 3/8 Pipe	1	1
43	5629	Ball Joint L.H.	1	1	111	908033-4	Bolt Hex 3/8-16 x 7/8	0	2
44	915002-6	Nut Nylok 3/8-24	4	4	112	100330	Muffler	1	1
45	9757	Idler Arm and Shaft	1	1	113	943364-4	Nipple 1" Close Pipe	0	1
46	4899	Arm Clutch Rod Pivot	1	1	114	943026-4	Elbow 1" Pipe x 90°	0	1
47	933158	Roll Pin 1/8 x 1 1/4	2	2	115	100329	Clamp	1	1
48	7451	Pulley — Idler	1	1	116	100090	Nipple — Special	0	1
49	911404-4	Bolt Hex 3/8-16 x 1 5/8 Special	1	1	117	7466	Pulley — Engine	1	1
50	915113-6	Nut Nylok 3/8-16	1	1	118	6507	Key 1/4 x 1/4 x 1/2	1	1
51	2593	Rod and Guide	1	1	119	7888	Control — Choke "B" Engine	0	1
52	9599	Rod — Brake	1	1	120	100570	Control — Throttle	0	1
53	1861	Stud — Clutch Rod	1	1	121	100566	Control — Choke	1	0
54	932017-4	Cotter Pin 1/8 x 1	3	3	122	100536	Control — Throttle	1	0
55	1014	Spring — Clutch	1	1	123	920127-4	Lockwasher 5/16	2	2
56	5544	Lever and Knob — Brake	1	1	124	1364	Nut — Round 5/16-18	2	2
57	2267	Pedal — Clutch	1	1	125	8362	Switch Ignition	1	1
58	5448	Lift Lever	1	1	126	7261	Nut Hex Special 5/16-24	1	1
59	4438	Plunger	1	1	127	920159-4	Lockwasher 5/16	1	1
60	5449	Rod	1	1	128	5451	Insulator — Switch	1	1
61	933168	Roll Pin 5/32 x 1 3/16	1	1	129	7262	Key — Ignition	2	2
62	3624	Spring	1	1	130	5480	Cigar Lighter — Complete	1	1
63	3578	Guide — Plunger Rod	1	1	131	5481	Knob and Plug	1	1
64	3680	Cap Plunger Rod	2	2	132	5483	Shell	1	1
65	6542	Grip — Handle	1	1	133	5482	Socket	1	1
66	933506-4	Hairpin Cotter	2	2	134	915562	Nut #8 — 32 Brass	2	2
67	5640	Quadrant	1	1	135	920078-4	Lockwasher #8	1	1
68	2179	Rod Height Control	1	1	136	2879	Clip	2	0

* See Note Page 9

TRACTOR PARTS LIST FOR RAIDER 12 (1-6251) & RAIDER 10 (1-6051)

See Page 9 for Raider 12 (1-6253)

When ordering parts always list Part No. and name of part.

Parts available only through Authorized Dealers.

(Specifications subject to change without notice.)

Item No.	Part No.	Description	Req'd. 1-6251	Req'd. 1-6051	Item No.	Part No.	Description	Req'd. 1-6251	Req'd. 1-6051
137	96015-4	Screw 1/4-20 x 3/8 Whizlock	1	0	202	9704	Rod — Pivot	1	1
138	5431	Nut Hex Special 1/4-20	1	0	203	9767	Bracket Grill Pivot L.H.	1	1
139	9435	Fuse	1	1	204	5467	Lever — Hood Latch	1	1
140	8824	Fused Connector	1	1	205	5469	Knob	1	1
141	100502	Battery	1	1	206	933182	Roll Pin 3/16 x 5/8	1	1
142	8518	Wiring Harness	0	1	207	5468	Roller — Steel	2	2
143	100446	Wire — Battery to Ground	1	1	208	915932-4	Nut High Crown #10-24	2	2
144	8560	Wiring Harness	1	0	209	5466	Speed Nut Push On 1/4 Dia.	2	2
145	9155	Cover — Battery Terminal	1	1	210	5522	Rod — Hood Latch	1	1
146	7223	Reflector Housing & Socket	1	1	211	5438	Ornament — Hood	1	1
147	7226	Wire and Terminal	2	2	212	5437	Speed Nut Push On 1/8 Dia.	2	2
148	7227	Spring	2	2	213	6710	Latch and Shaft	1	1
149	7228	Bulb (#1156)	2	2	214	933512-4	Hairpin — Cotter	1	1
150	7075	Lens	1	1	215	6712	Plate — R.H. Mounting	1	1
151	7229	Screw #6-32 x 3/8 Special	4	4	216	4497	Plate — L.H. Mounting	1	1
152	7184	Switch	1	1	217	8174	Bracket and Pin	1	1
153	8468	Harness	1	1	218	6714	Bushing	1	1
154	3023	Clip Wire	6	6	219	MW-4564	"E" Ring 3/8	1	1
155	7618	Connector — Three Wire	1	1	220	5432	Wheel and Tire Complete	2	2
156	8519	Clip	3	3	221	5433	Wheel	2	2
157	8021	Tail Light Complete	1	1	222	5434	Tire 23 x 8.50-12	2	2
158	8041	Base — Tail Light	1	1	223	5435	Valve	2	2
159	8042	Cover — Tail Light	1	1	224	1004	Lug Bolt Wheel 7/16-20	10	10
160	8043	Bulb — Tail Light	1	1	225	9791	Wheel, Tire and Valve	2	2
161	8044	Mounting Pad	1	1	226	9652	Wheel	2	2
162	6922	Connector — Two Wire	1	1	227	4999	Ball Bearing	4	4
163	910808-4	Bolt Pan Head #10-32 x 5/8	2	2	228	9792	Tire 16 x 5.50-8	2	2
164	915551-4	Nut Hex #10-32	2	2	229	5435	Valve	2	2
165	920079-4	Lockwasher #10	2	2	230	2844	Washer	2	2
166	9756	Belt Guard	1	1	231	7747	Hub — Cap	2	2
167	908045-4	Bolt Hex 7/16-14 x 3/4	1	1	232	7420	Steering Wheel	1	1
168	920084-4	Lockwasher 7/16	1	1	233	7469	Insert	1	1
169	920040-4	Washer 7/16 U.S.	1	1	234	933215	Roll Pin 1/4 x 1 1/4	1	1
170	7463	Bracket — Footrest	1	1	235	937014	Key #9 Woodruff	1	1
171	960175-4	Bolt — Whizlock 5/16-18 x 1/2	5	5	236	7896	Washer — Bowed	1	1
172	7454	Footrest R.H.	1	1	237	7468	Collar — Steering	1	1
173	7455	Footrest L.H.	1	1	238	100000	Decal — Hood Trim	2	2
174	7456	Bracket — Footrest Anchor	2	2	239	9994	Decal — Raider "12"	2	0
175	900214-4	Bolt Carriage 5/16-18 x 3/4	2	2	240	100190	Decal — Raider "10"	0	2
176	7464	Latch — Fender	1	1	241	7183	Decal — Shift Pattern	1	1
177	MW-8863	Spring Fender Latch	1	1	242	7472	Decal — Seat Latch	1	1
178	5977	Bushing — Nyliner	1	1	243	8138	Decal — Fender	1	1
179	7617	Pin 5/16 Rod End	1	1	244	7421	Decal — Steering Wheel	1	1
180	932008-4	Cotter Pin 3/32 x 3/4	3	3	245	1813	Tool Pin	1	1
181	7616	Bracket Fender Latch	1	1	246	7473	"V" Belt	1	1
182	908005-4	Screw 1/4-20 x 1 Hex	2	2	247	7661	Plate and Rod	1	1
183	7882	Stop — Fender Latch	1	1	248	908046-4	Bolt Hex 7/16-14 x 1	1	1
184	7220	Cover Plate	1	1	249	915833	Nut Conlok 3/8-16	2	2
185	960151-4	Bolt Whizlock 1/4-20 x 1/2	9	9	250	909880-5	Set Screw 3/8-16 x 3/4	1	0
186	7611	Fender	1	1	251	4355	Clutch Rod	1	1
187	7879	Bushing	2	2	252	2709	Knob	1	1
188	908182-4	Bolt Hex 3/8-24 x 7/8	2	2	253	4383	Bracket	1	1
189	4937	Spacer	2	2	254	6655	Clutch Plate Complete	1	1
190	5667	Bumper — Rubber	4	4	255	6658	Race — Bearing	1	1
191	9661	Seat Base	1	1	256	6659	Retainer — Bearing Race	2	2
192	9662	Spacer	2	2	257	9209	Housing Clutch	1	1
193	900038-4	Bolt Carriage 5/16-18 x 1	4	4	258	6662	Bearing	1	1
194	915112-4	Nut Hex 5/16-18	4	4	259	6663	Seal	1	1
195	9663	Cushion — Seat	1	1	260	5196	Ball Bearing	1	1
196	9664	Cushion — Back	1	1	261	936032	Snap Ring 1 3/4 Bore	1	1
197	9665	Knob — Back Adjusting	1	1	262	5197	Shaft — Clutch	1	1
198	9699	Hood	1	1	263	5194	Decal — Clutch Adjustment	1	1
199	9766	Bracket — Grill Pivot R.H.	1	1	264	6656	Plate — Clutch	1	1
200	5457	Bushing — Hood Hinge	2	2	265	4365	Facing	1	1
201	900037-4	Bolt Carriage 5/16-18 x 3/4	4	4	266	6657	Rivet	6	6

Raider 10 & 12 Tractors

SUPPLEMENTAL PARTS LIST

Two new Lauson engines, model HH100-115145 "C" (10 h.p.) and model HH120-120129C (12 h.p.), were introduced into this line as mid year changes. Raider 10 model number remained 1-6051 as it was with the HH100-115145 "B" engine. Model number 1-6253 was assigned to the Raider 12 with Lauson engine to differentiate it from the Raider 12 (1-6251) with Kohler engine.

The special parts list below applies only to model 1-6253 and model 1-6051 with "C" engine. For parts not listed, refer to the 1-6051 column on pages 7 & 8 for both models. The engine model number is stamped on a serial plate attached to the engine shroud.

Item No.	Part No.	Description	Req'd. 1-6253	Req'd. 1-6051 w/"C" Eng.
8	908034-4	Bolt — Hex $\frac{3}{8}$ -16 x 1	10	10
9	915663-4	Nut — Elastic Stop $\frac{3}{8}$ -16	11	11
13	920083-4	Lockwasher $\frac{3}{8}$	14	14
111	908033-4	Bolt — Hex $\frac{3}{8}$ -16 x $\frac{7}{8}$	6	6
239	9994	Decal — Raider "12"	2	0
267	100770	Engine — 10 H.P. Lauson	0	1
268	100774	Engine — 12 H.P. Lauson	1	0
269	100758	Wiring Harness	1	1
270	100720	Assembly — Choke Control	1	1
271	100572	Tank — Fuel	1	1
272	100427	Wire — Fuel Tank Hold-Down	1	1
273	9170	Spring	1	1

Note from Page 7:

When stock of 8022 is exhausted, 100572 Fuel Tank, with 100427 Hold-Down Wire, 9170 Spring and Service Bulletin No. 122 will be furnished.

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