SERVICE NOTES

SPECIFICATIONS

(Specifications subject to change without notice.)

All Dimensions in Inches	1054 953	854 704 654 604	34E 34R	753 653 633 603	33E 33R	702 552 502	32E 32R
Length Overall	69	60	54	61	54	61	54
Wheel Base	47	41¼	41¼	41¼	41¼	41¼	41¼
Width Overall	36½	30	26¾	30	26¾	30	26¾
Width Overall W/Mower			33½		33½		33½
Width At Front Wheels	33	31¼	27	*31½	24¾	28½	24¾
Height	42	37	32	36½	33½	36½	33½
Height To Top Of Hood	35	32	28¾	32	28¾	32	28¾
Net Weight (Approx.)	650	400	380	380	350	370	350
Crop Clearance	9½	7¼	—	7¼	—	7¼	—
Frame Clearance	13¼	13½	10¾	13½	10¾	13½	10¾
Engine Horse Power	10, 9.6	8, 7, 6	6	7, 6	6	7, 5½	5½
Fuel Capacity (Gal.)	2¾	1	1	1	1	1	1
Tires (Front) Size	4.00 x 8	4.00 x 8	3.50 x 4	4.00 x 8	3.50 x 4	4.00 x 8	3.50 x 4
Tires (Front) Pressure (P.S.I.)	20	20	15	20	20	20	—
Tires (Rear) Size	6.40 x 15	6.00 x 12	4.00 x 8	6.00 x 12	4.00 x 8	6.00 x 12	4.00 x 8
Tires (Rear) Pressure (P.S.I.)	6-8	6-8	6-8	6-8	6-8	6-8	6-8

*Model 603-28½" All Engines 4 Cycle, Single Cylinder, Air Cooled

LUBRICATION

All models have pressure fittings at some or all of the following locations:

1. Steering Column top and bottom
2. Front wheel bearings
3. Front axle (center)
4. Front axle spindles
5. Steering gear sector
6. Steering Tie rod ends
7. Mower blade spindles (Lawn Ranger)
8. Clutch idler Pulley

Lubricate every 8 to 10 hours of operation. Use light oil on other moving parts at the same interval. Check transmission oil level after every 40 hours of operation. Remove oil filler plug at left rear side of the transmission and fill to level of hole with a good grade of S.A.E. 40 gear or engine oil. Drain and refill once each year.

All drawn implements attach in seconds. Simply lift the tractor hitch pin, insert the tongue, and replace pin.

All power implements will use the attachment clutch pedal located on the right side of the tractor.

CARE OF TRACTOR

1. Keep tractor greased and oiled regularly. Refer to Figure 1 for the location of grease fittings. Check transmission and engine case oil levels.

2. Keep engine air cleaner clean. This will add to engine life.

3. Keep tires properly inflated. See previous instructions.

4. Keep tractor covered and in a dry place when not in use.

5. Keep grass and dirt out of engine cowling as these will stop the flow of air and decrease engine life.

6. BRAKE ADJUSTMENT. The brake band, located on the left side of the transmission, brakes the transmission and in turn stops the wheels.

8. When replacing belts or mounting drive implements make sure all pulleys are in line.

9. BATTERY. Check liquid after every 40 hours of use. If tractor has been in storage it may be necessary to recharge.

10. Your tractor is only as good as the service you give it. See your Wheel Horse Dealer for a thorough check-up after each season of use.

11. When replacing belts be sure to purchase genuine Wheel Horse belts, as these belts are specifically designed for each application.

(NOTE: Make sure all pulleys are in line.)

FOR YOUR SAFETY

A. Keep all guards on at all times.

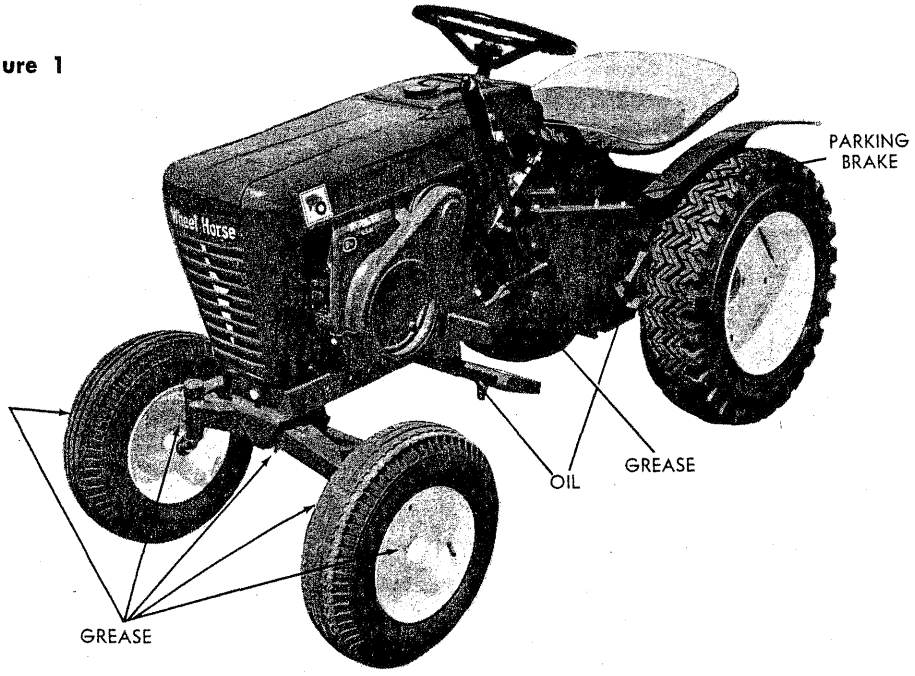
B. Never abuse your tractor by improper handling.

C. Keeps hands and feet from moving parts.

D. Remove key when not in use.

E. Be careful on high uneven ground.

Figure 1



To adjust, depress clutch brake pedal and move parking brake lever forward into the engaged position. Tighten nut on brake rod until both rear wheels skid when tractor is pushed — parking brake engaged. Tighten nut another ½ turn. The brake and parking brake are now properly adjusted.

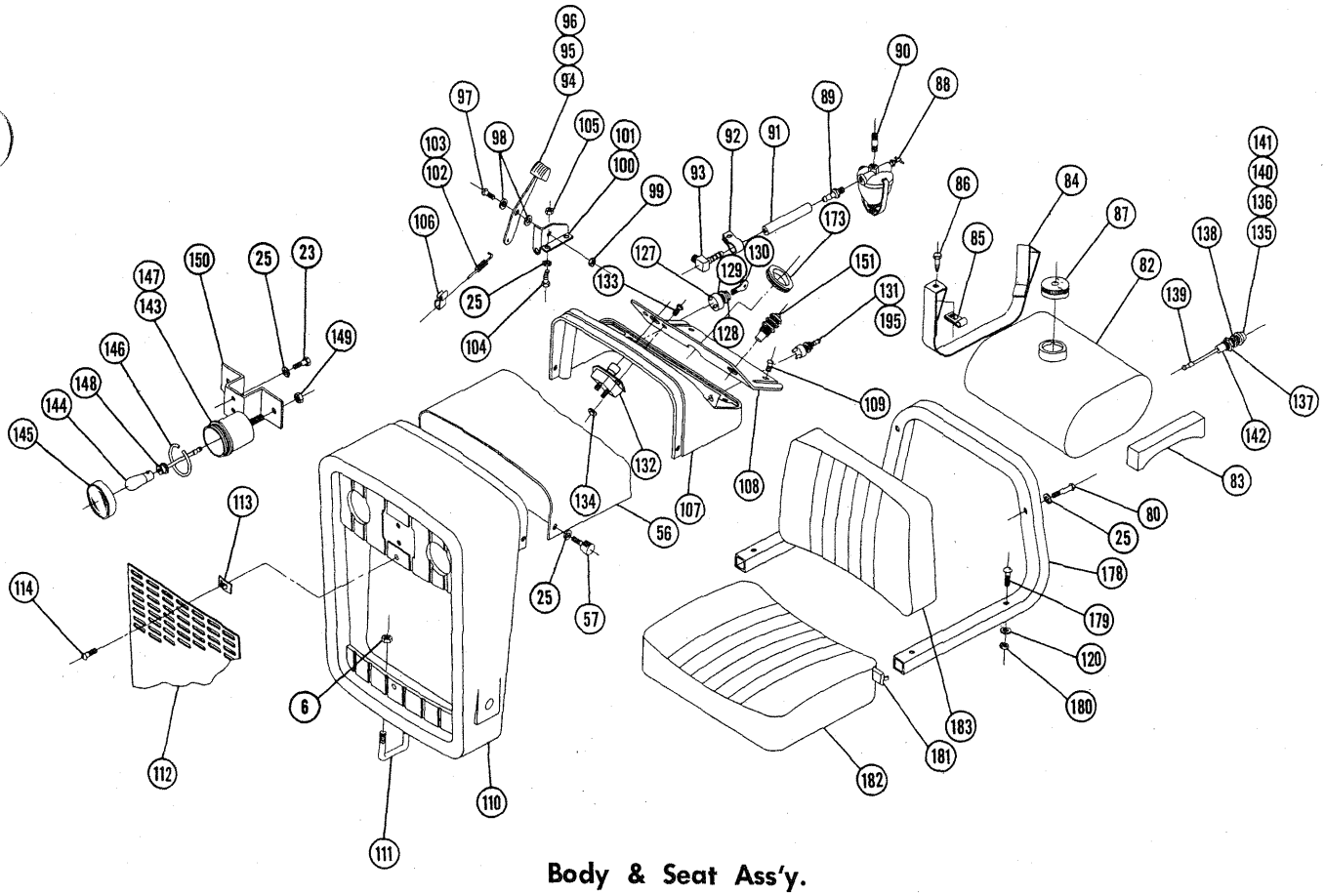
7. CLUTCH-BRAKE PEDAL ADJUSTMENT. The clutch-brake pedal rod may be turned in or out to adjust the pedal to operator's desired position. Remove pin from rod and turn rod in or out for adjustment. There are also two holes in the pedal to adjust for travel. The upper hole is for a short movement of travel, the lower hole is for a long movement.

Lubricate all grease fittings with a regular pressure gun lubricant every eight to ten hours of operation. Refer to Figure 1 for the location of grease fittings.

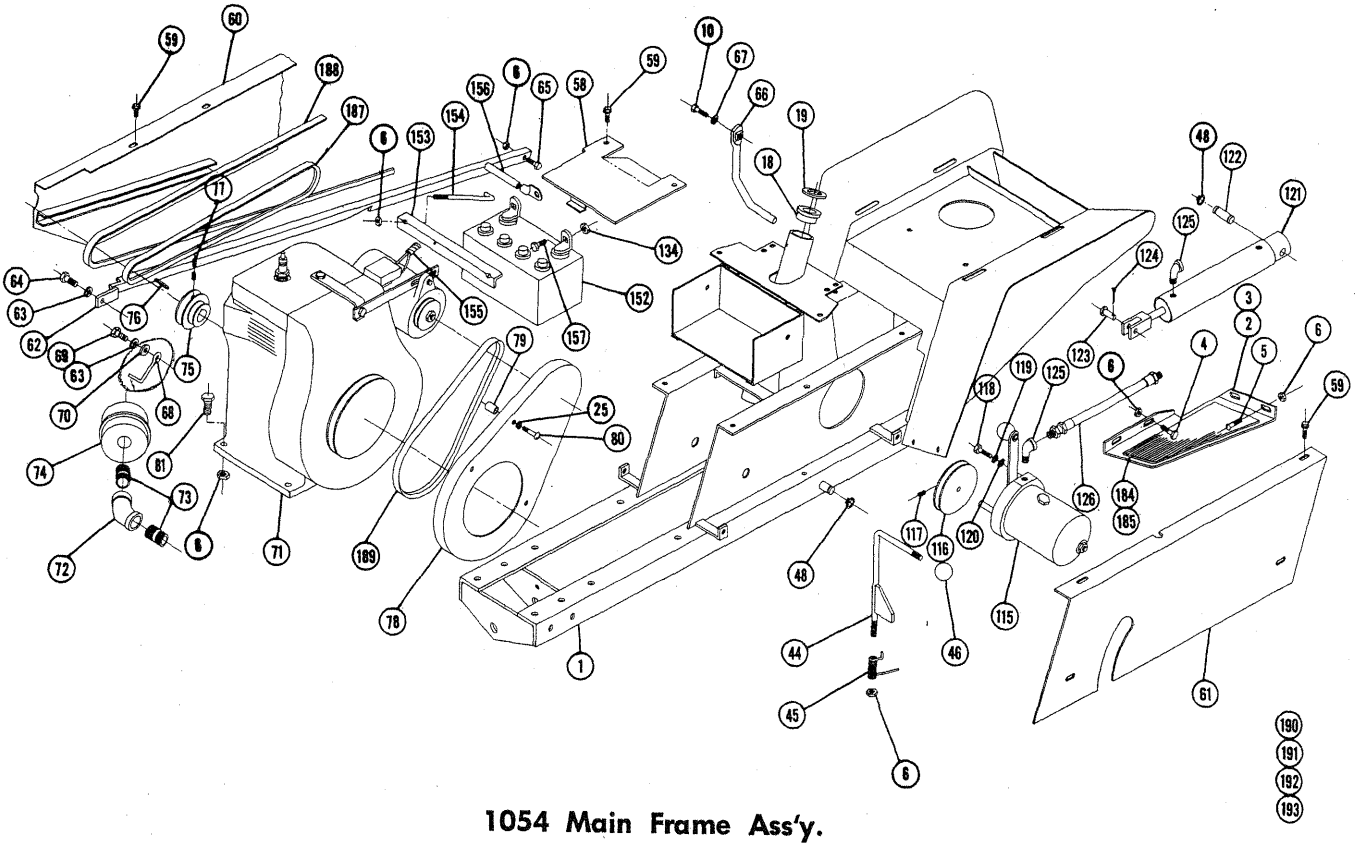
A light machine oil should be used on all moving parts to keep joints from wearing and squeaking.

Remove oil filler plug, located at the left rear side of the transmission, and fill to level of hole with a good grade of S.A.E. 40 Gear Lube (will require about 3 pints).

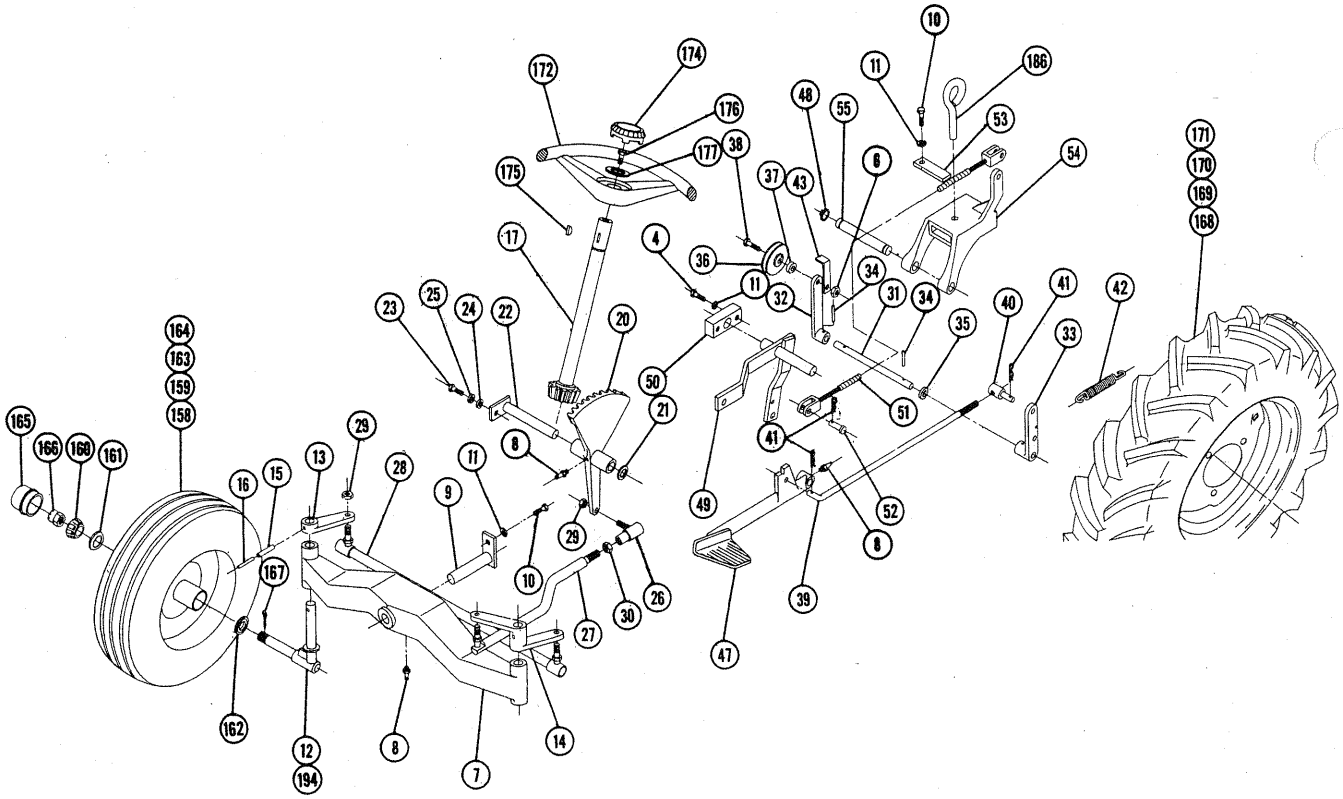
The transmission should be checked after every 40 hours of use. The transmission should be drained once a year by removing plug on bottom to drain oil. Refill as above paragraph. This is a regular automotive type transmission with sliding gears and should have the same care as your car.



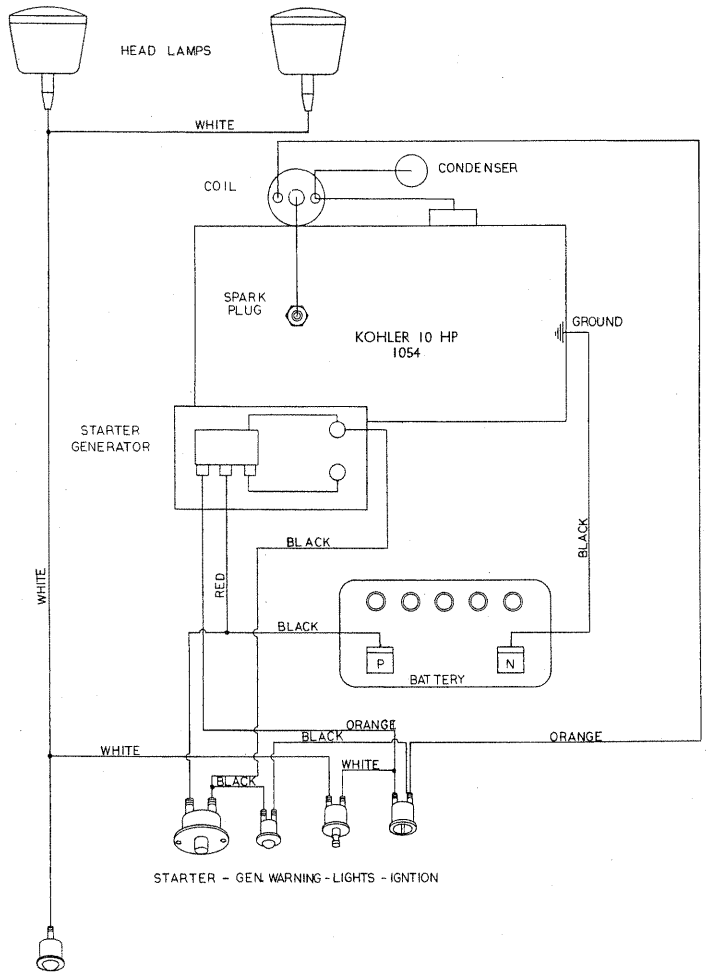
Body & Seat Ass'y.



1054 Main Frame Ass'y.



Steering & Wheel Ass'y.



1054 Wiring Diagram

1054 TRACTOR PARTS LIST

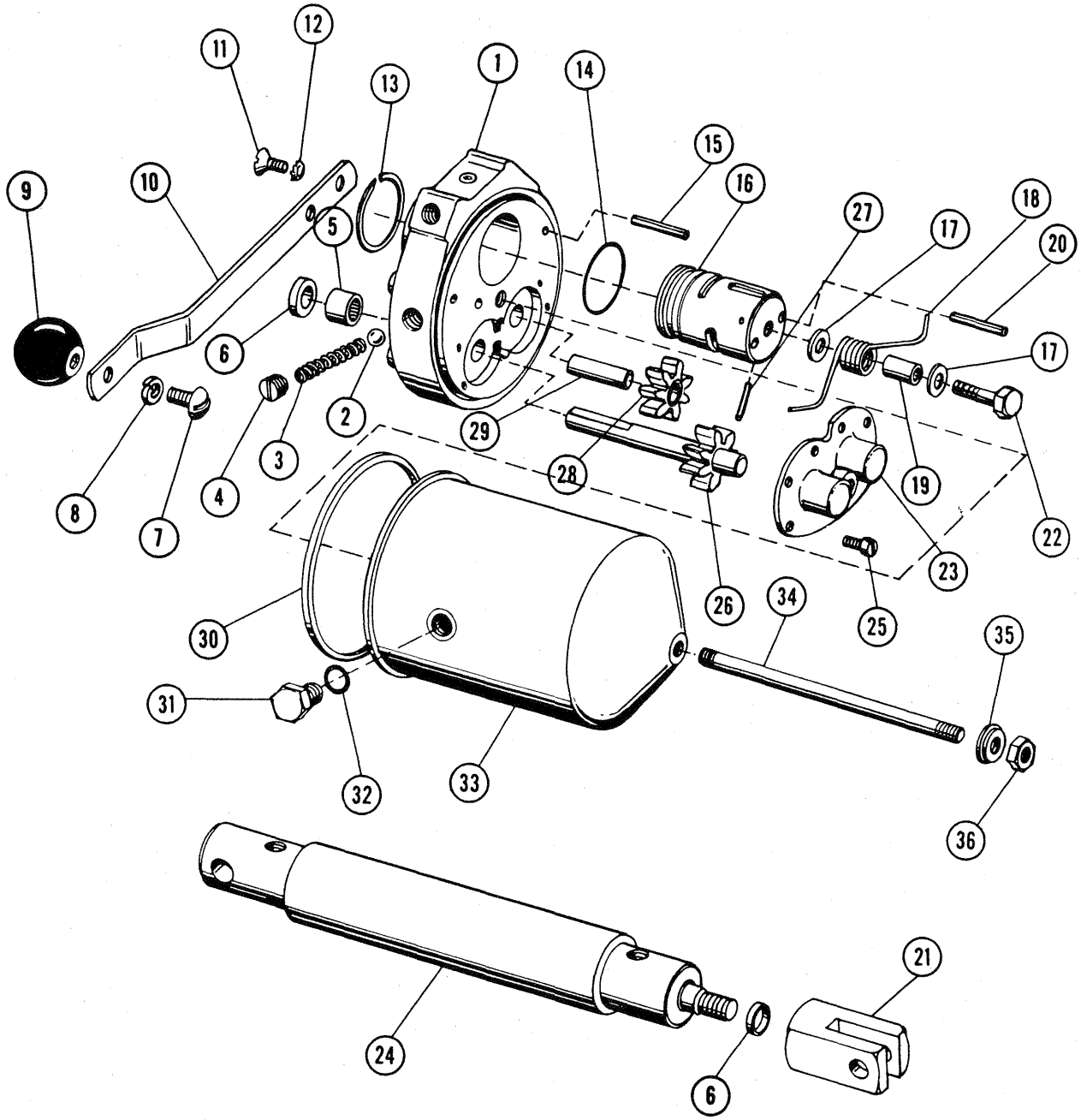
(Except Transmission — see page 59 for Transmission Parts List.)

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

Ref. No.	Part No.	Description	No. Req'd.
1	4876	Ass'y. Frame	1
2	2744	Foot Rest — R.H.	1
3	2745	Foot Rest — L.H.	1
4	908033-4	Bolt Hex 3/8-16 x 7/8	8
5	909083-4	Bolt Rd. Hd. 3/8-16 x 5/8	4
6	915113-6	Nut — Nylok 3/8-16	19
7	2773	Axle — Front	1
8	1030	Fitting — Grease	6
9	2736	Ass'y. Pin & Plate	1
10	908032-4	Bolt — Hex 3/8-16 x 3/4	3
11	920083-4	Lock Washer 3/8 Dia.	6
12	3365	Ass'y. Spindle — L.H.	1
13	2733	Arm — Steering R.H.	1
14	2732	Arm — Steering L.H.	1
15	933230	Roll Pin 5/16 x 1 1/2	2
16	933192	Roll Pin 3/16 x 1 1/2	2
17	4885	Ass'y. Shaft & Pinion — Steering	1
18	4890	Bushing — Steering Column	2
19	5209	Washer	1
20	4880	Sector — Steering	1
21	5208	Washer — Shim	1
22	4883	Ass'y. Shaft & Plate	1
23	908001-4	Bolt — Hex 1/4-20 x 1/2	3
24	920007-4	Washer 1/4 SAE	1
25	920081-4	Lockwasher 1/4 Dia.	18
26	2710	Ass'y. Ball Joint	1
27	4891	Rod — Drag Link	1
28	2711	Ass'y. Tie Rod	1
29	915002-6	Nut — Hex Nylok 3/8-24	4
30	915004-6	Nut — Hex Nylok 1/2-20	1
31	3017	Shaft — Idler Arm	1
32	2891	Arm	1
33	4199	Arm — Clutch Rod Pivot	1
34	933190	Roll Pin 3/16 x 1 1/4	2
35	2731	Washer	1
36	1623	Pulley — Idler	1
37	1536	Bushing	1
38	908035-4	Bolt — Hex 3/8-16 x 1 1/4	1
39	2741	Rod — Clutch	1
40	1861	Stud — Clutch Rod	1
41	S-52-3	Hairpin	4
42	1129	Spring — Clutch	1
43	2291	Bracket — Idler Throw-Out	1
44	2830	Ass'y. Lever — Brake	1
45	2835	Spring — Torsion	1
46	1001	Knob	1
47	2777	Pedal — Clutch	1
48	S-50-75	Snap Ring Truarc 3/4 Shaft	5
49	4877	Ass'y. Lift Lever	1
50	2754	Block — Lift Pivot	2
51	2814	Ass'y. Cable & Yoke	1
52	932121-4	Pin — Clevis 5/16 Dia.	2
53	3583	Lug — Cable	1
54	3926	Hitch	1
55	3988	Pin	1
56	2841	Cover — Hood	1
57	1345	Thumb Screw	4
58	2792	Ass'y. Cover — Shift Stick	1
59	1385	Bolt — Hex — Sems 1/4-20 x 1/2	11
60	2795	Ass'y. Belt Guard R.H.	1
61	2783	Guard L.H.	1
62	4195	Ass'y. Belt Guide	1
63	920084-4	Lockwasher 7/16 Dia.	2
64	908046-4	Bolt — Hex 7/16-14 x 1	1
65	908034-4	Bolt — Hex 3/8-16 x 1	1
66	4486	Ass'y. Belt Stop	1
67	920156-4	Lockwasher 3/8 Internal Tooth	1
68	4796	Guide — Belt	1
69	908046-4	Bolt — Hex 7/16-14 x 1	1
70	920010-4	Washer 7/16 SAE	1
71	5230	Ass'y. Engine 10 H.P. Kohler	1
72	3939	Elbow 1" x 45° (Exhaust)	1
73	3947	Nipple 1" Close (Exhaust)	2
74	2873	Muffler	1
75	2720	Pulley	1
76	1349	Key 1/4 x 1/4 x 1 1/2	1
77	909862-6	Set Screw — Nylok 5/16-18 x 5/16	2
78	2834	Guard — Engine	1
79	2833	Spacer	3
80	909060-4	Bolt — Rd. Hd. 1/4-20 x 1 1/2	5
81	908035-4	Bolt — Hex 3/8-16 x 1 1/4	4
82	2718	Fuel Tank	1
83	2728	Block — Wood	2
84	2717	Strap	2
85	3698	Speed — Nut	4
86	926319-4	Screw #14 x 1 Rd. Hd. Self Tap.	4
87	2714	Cap — Tank	1
88	1786	Ass'y. Fuel Strainer	1
89	1787	Nipple 1/8-27 Nylon	1
90	1192	Nipple 1/8 x 1	1
91	2739	Hose — Fuel Line	1
92	4256	Clamp — Hose	2
93	1217	Elbow — Nylon 1/8-27	1
94	2784	Ass'y. Control — Throttle (Complete)	1
95	2785	Ass'y. Control — Choke (Complete)	1
96	3797	Lever & Knob	2
97	3329	Screw — Special	2
98	3330	Washer	4
99	915000-6	Nut — Nylok 1/4-28	2
100	4190	Bracket — Control R.H.	1
101	4191	Bracket — Control L.H.	1
102	3798	Cable Ass'y. — Control — Throttle	1

1054 TRACTOR PARTS LIST (Cont'd)

Ref. No.	Part No.	Description	No. Req'd.
103	4034	Cable Ass'y. — Control — Choke	1
104	908003-4	Bolt — Hex 1/4-20 x 3/4	6
105	915111-6	Nut — Nylok 1/4-20	2
106	3023	Retainer — Cable	2
107	2798	Housing — Control Panel	1
108	2870	Panel — Control	1
109	2874	Bolt Rd. Hd. 10-24 x 3/8 (Black)	4
110	2815	Housing — Grill	1
111	3764	"U" Bolt	2
112	2810	Grill	1
113	3699	Speed Nut	2
114	926317-4	Screw #14 x 3/4 Rd. Hd. Self Tap.	2
115	5248	Ass'y. Pump — Hydraulic	1
116	4812	Pulley	1
117	909861-6	Set Screw 5/16-18 x 1/4 Nylok	2
118	908016-4	Bolt 5/16-18 x 5/8	4
119	920082-4	Lockwasher 5/16 Dia.	4
120	920008-4	Washer 5/16 SAE	8
121	5249	Ass'y. Cylinder — Hydraulic	1
122	2747	Pin — Pivot	1
123	932124-4	Pin — Clevis 1/2 Dia.	1
124	932017-4	Cotter Pin 1/8 x 1/2	1
125	4834	Street Elbow 1/4 NPTF	2
126	2729	Ass'y. Hose — Hydraulic	2
127	1747	Ass'y. Switch — Ignition	1
128	4882	Nut — Hex 5/8-32 Special	1
129	4881	Lockwasher 5/8 Dia. Thin	1
130	3668	Key — Ignition	1
131	5273	Ass'y. Switch — Headlight	1
132	1751	Ass'y. Switch — Starter	1
133	2846	Bolt Rd. Hd. 1/4-20 x 3/4	2
134	915111-6	Nut — Nylok 1/4-20	4
135	2775	Ass'y. Tail Light (Complete)	1
136	2883	Bulb — Tail Light	1
137	2884	Nut Hex 1-27 Thin	1
138	2885	Lockwasher 1" Dia. Thin	1
139	4964	Ass'y. Wire & Contact — Tail Light	1
140	4965	Spring — Tail Light	1
141	4966	Lens — Tail Light	1
142	4967	Housing — Tail Light	1
143	4125	Ass'y. Headlight (Complete)	2
144	4193	Bulb — Headlight	2
145	4126	Lens — Headlight	2
146	4189	"O" Ring Gasket — Headlight	2
147	4192	Body & Socket Ass'y. — Headlight	2
148	4194	Wire Ass'y. — Headlight	2
149	915003-6	Nut — Nylok 7/16-20	2
150	2886	Bracket — Headlight	1
151	2774	Ass'y. Lamp — Gen. Warning	1
152	2712	Battery	1
153	2725	Angle — Battery Clamp	1
154	2724	Hook — Battery Clamp	2
155	2848	Wiring Harness	1
156	4432	Wire — Ground	1
157	908002-4	Bolt — Hex 1/4-20 x 5/8	2
158	3368	Ass'y. Wheel, Tire & Tube — Front	2
159	3369	Ass'y. Wheel & Bearing	2
160	3370	Cone — Bearing	4
161	3371	Cup — Bearing	4
162	3373	Seal — Bearing	2
163	1656	Tire	2
164	1657	Tube	2
165	3372	Hub Cap	2
166	915035-4	Nut — Castle 3/4-16	2
167	932019-4	Cotter Pin 1/8 x 1 1/2	2
168	2845	Ass'y. Wheel, Tire & Tube — Rear	2
169	2715	Wheel	2
170	2722	Tire — Cleat Tread	2
171	2723	Tube	2
172	4875	Steering Wheel	1
173	2708	Grommet	1
174	2897	Insert	1
175	937014	Key #9 Woodruff	1
176	908031-6	Bolt — Nylok 3/8-16 x 5/8	1
177	2844	Washer — Special	1
178	2727	Frame — Seat	1
179	908021-4	Bolt — Hex 5/16-18 x 1 1/2	4
180	915112-6	Nut — Nylok 5/16-18	4
181	2818	Plug — Button — Square	2
182	2787	Cushion — Seat	1
183	2788	Cushion — Back	1
184	2796	Pad — Foot Rest R.H.	1
185	2797	Pad — Foot Rest L.H.	1
186	1813	Tool Pin	1
187	1591	Belt 47" — Hydraulic	1
188	1592	Belt 82" — Drive	1
189	1593	Belt — Engine to Gen.	1
190	2871	Decal — Control Panel	1
191	5163	Decal — 1054	2
192	4410	Decal — Wheel Horse Emblem	1
193	4581	Decal — Steering Wheel Insert	1
194	3364	Ass'y. Spindle — R.H.	1
195	5274	Knob — Switch Headlight	1



1054 HYDRAULIC UNIT PARTS LIST

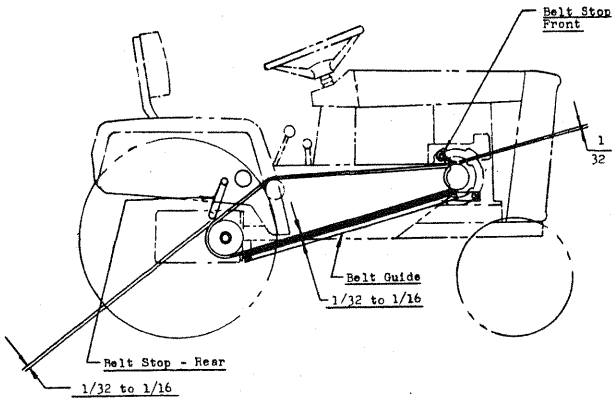
When ordering parts always list Part No. and name of part.

Ref. No.	Part No.	Description	No. Req'd.
1	5258	Body	1
2	4831	5/16 Relief Ball	1
3	4832	Spring — Relief	1
4	4833	Plug	1
5	5259	Bearing — Needle	1
6	1447	Shaft Seal	2
7	909084-4	Screw 3/8-16 x 3/4	1
8	920083-4	Lockwasher 3/8 Dia.	1
9	1001	Knob	1
10	4153	Handle	1
11	908817-4	Screw Flat Hd. 1/4-20 x 3/8	2
12	920081-4	Lockwasher — Shake Proof 1/4 Dia.	2
13	1449	Spirolox Snap Ring	1
14	1455	"O" Ring	1
15	933192	Roll Pin 3/16 x 1 1/2	2
16	5260	Spool Valve	1
17	920008-4	Washer	2
18	5261	Spring — Return	1

Ref. No.	Part No.	Description	No. Req'd.
19	5262	Spring Sleeve	1
20	933173	Roll Pin 5/32 x 1 1/4	2
21	4156	Clevis	1
22	5263	Bolt — Hex 5/16-18 x 1 1/8 Nylok	1
23	4838	Cover	1
24	5249	Cylinder Ass'y.	1
25	5264	Screw — Fill. Hd. 10-32 x 7/16 Sems	6
26	4841	Drive Shaft Ass'y.	1
27	933169	Roll Pin 5/32 x 7/8	2
28	5265	Gear & Bearing Ass'y.	1
29	5266	Idler Shaft	1
30	4842	Gasket	1
31	908203-4	Bolt — Hex 1/2-20 x 1/2	1
32	4188	Washer	1
33	4157	Reservoir	1
34	4187	Stud	1
35	1453	Washer	1
36	915236-4	Nut — Hex 3/8-16 Jam	1

GENERAL MAINTENANCE

1054 & 953 MODELS

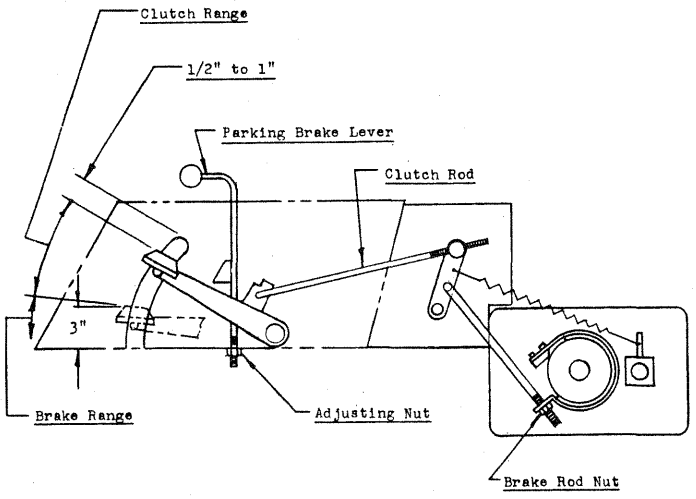


ADJUSTMENT OF BELT GUIDES: Belt guide part 4195 attaches to the frame and to the side of the engine and runs along the bottom side of drive belt. This guide should be adjusted so that there is 1/32" to 1/16" clearance between the belt and the guard.

Rear Belt Stop part 4486 fits inside the right rear fender and extends down to the top of the drive belt on transmission pulley. This belt stop should be adjusted so that it is 1/32" to 1/16" away from the top of the belt.

Front Belt Stop part 4796 fits on the engine and extends down to the belt on the engine pulley. It should be adjusted so that it is 1/32" away from the top of the belt.

BRAKE ADJUSTMENT: The brake band, located on the left side of the transmission, brakes the transmission and in turn stops the wheels. Adjust the nut on the brake rod so that, when you depress the clutch pedal all the way down, the band tightens around the brake drum just as the idler pulley releases the belt. Keep brake band and drum free from oil and dirt.



IMPORTANT: Adjustment of Clutch Brake Pedal. 1. Adjust Pedal to 1/2" to 1" position by adjusting Clutch Rod. 2. Depress Pedal to approximately the 3" dimension and swing Parking Brake Lever until it holds Pedal at the 3" position. 3. Tighten Brake Rod Nut until Brakes lock. 4. This procedure must be followed after 10-15 hours of operation on initial run-in of Tractor. This adjustment should be repeated if the Clutch Pedal approaches the top of the slot in the Belt Shield. Failure to adjust may result in failure of the main Drive Belt.

PARKING BRAKE ADJUSTMENT: After brake band and clutch-brake pedal have been adjusted, depress pedal until tractor brakes are locked. Pull parking brake lever back and adjust nut on bottom of lever shaft until lever will engage and hold pedal down.

HYDRAULIC BELT ADJUSTMENT: Proper belt tension is maintained by removing the right hand belt guard and loosening the four (4) bolts holding the pump body to the frame. Pump may now be moved forward and backward to adjust belt.

CARE OF THE TRACTOR

Keep tractor greased and oiled regularly. See previous instructions for location of grease fittings, Check transmission and engine case oil levels.

Keep engine air filter clean. Dirty filters use excessive fuel and reduces engine power and life.

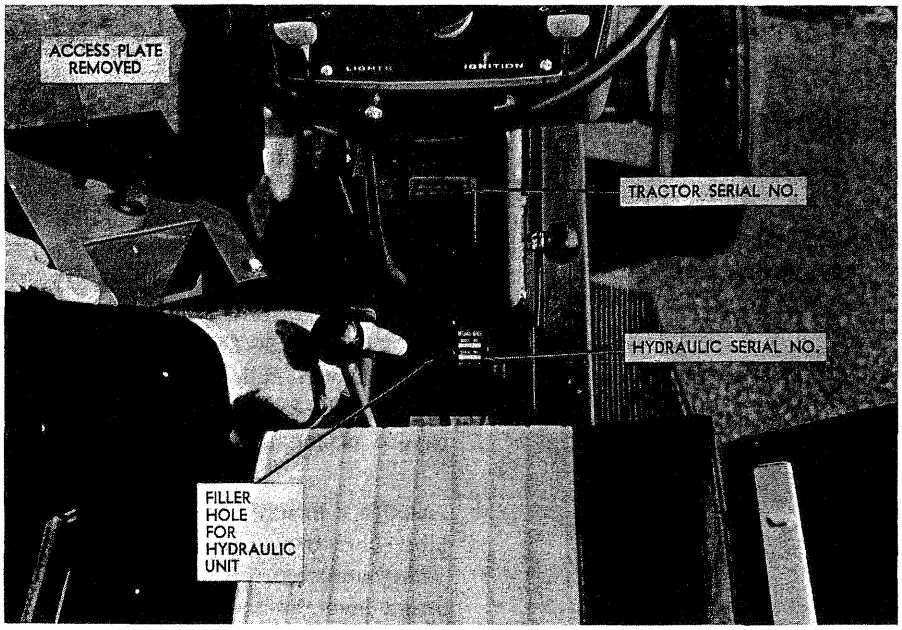
Keep tires properly inflated.

Keep tractor covered and in a dry place when not in use.

Check battery liquid after every 40 hours of use. If tractor has been in storage it may be necessary to recharge.

Your tractor is only as good as the service you give it. See your Wheel Horse dealer for a thorough check-up after each season of use.

When replacing belts it is advisable to purchase them from your Wheel Horse dealer, as these belts are specifically designed for each tractor or attachment. A new drive belt may have a tendency to squeak during clutching, this will stop after an hour or two of operation as the belt seats in the pulley.



HYDRAULIC UNIT

DESCRIPTION

The Hydraulic Unit system built into your tractor is designed to give you hydraulic power for your attachments with fingertip control. This unit is a completely self-contained hydraulic gear pump, directional control valve and oil reservoir; with a companion hydraulic cylinder and hoses connecting the power unit with the cylinder. The unit has a built-in safety valve to eliminate overloading of the hydraulic system and tractor attachments.

IMPORTANT — Never run unit without fluid or warranty will be voided. If unit is taken apart for service make sure all parts are clean before assembling unit. After service it is advisable to install new fluid. When raising or lowering attachments, after unit is either up or down, make sure handle is in neutral. Never hold open as this will cause harm to unit over a period of time.

SERVICING PUMP

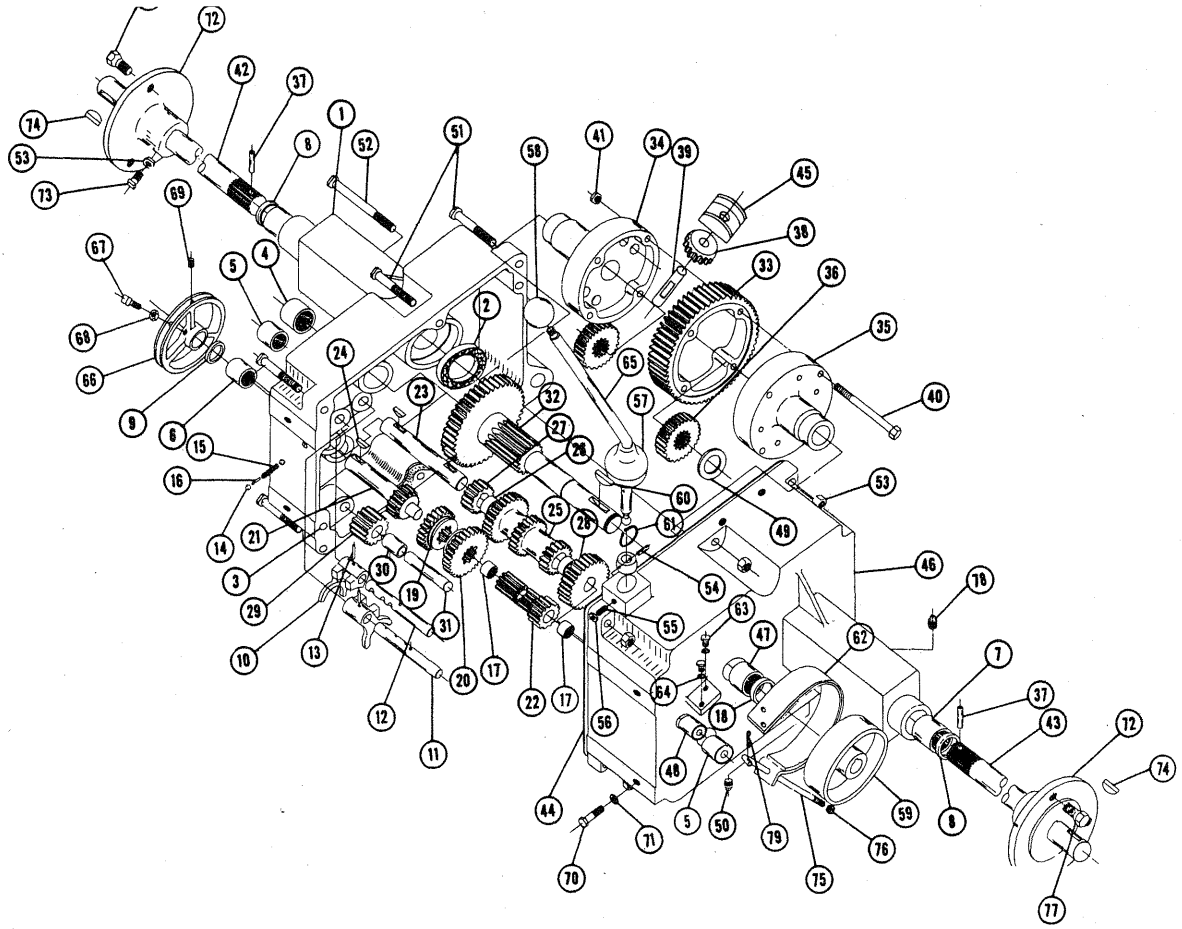
You must **ADD OIL** before starting engine to avoid damage to pump. Remove filler plug and fill to top of hole with fluid. NOTE: Filler plug is mounted off the vertical center line of the unit. This is to prevent over filling. An air space must be left in the top of tank, so no attempt should be made to completely fill reservoir. USE ONLY WHEEL HORSE OIL (Number 4822). Replace plug and tighten.

OPERATION

To raise tractor attachments, pull handle toward you, upon release of handle it will return to the center or neutral position. A slightly sluggish action of the control lever returning to neutral may exist during the break-in period. A few hours of running time will eliminate this. After running unit a short time, check all fittings for fluid leaks.

TROUBLE SHOOTING CHART

Trouble	Probable Cause	Remedy
Slow action with tractor engine at operating speed	Belt slipping	Tighten Belt
	Improper type of oil	Replace Oil
	Low Oil Supply	Fill oil to proper level
	Air lock	Loosen allen screw on top and operate to release air
	Slow engine RPM	Speed engine
Attachment not holding in raised position	Oil leak in system	Check all connections
	Improper type of oil	Use Wheel Horse (4822)
	Oil leak at seals	Replace
Excessive noise or chattering	Insufficient oil	Fill with proper oil
	Unit run at too high a RPM	Reduce shaft speed to recommended speed as originally equipped
	Improper oil	Drain and refill system with correct oil (4822)
Excessive Heating	Restriction in the system such as kinked or pinched lines	Replace defective hoses. Straighten kinked hoses and check fittings for obstruction
	Insufficient oil	Fill with 4822 to proper level
Unit does not operate	Low Oil	Check and fill
	"O" Rings worn in pump and cylinder	Replace with new "O" Rings
	Pulley loose on pump	Tighten



5047 TRANSMISSION PARTS LIST (1054 TRACTOR)

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

Item No.	Part No.	Description	No. Req'd.
1	4160	Case — Transmission — R.H.	1
2	1533	Bearing — Ball	2
3	3915	Pin — Locating	2
4	1532	Bearing — Needle	1
5	1529	Bearing — Needle	2
6	1508	Bearing — Needle	1
7	1526	Bearing — Needle	2
8	1213	Seal — Oil 1⅛ I.D.	2
9	1303	Seal — Oil ¾ I.D.	1
10	3503	Fork — Shift	2
11	3515	Rail — Front Shift	1
12	5172	Rail — Rear Shift	1
13	933156	Roll Pin ⅛ x 1	2
14	3517	Ball — Stop	2
15	3518	Spring — Stop	1
16	3573	Shift Pin — Stop	1
17	1518	Bearing — Needle	2
18	1232	Seal — Brake Shaft	1
19	5173	Gear (Hi & Inter.)	1
20	5174	Gear (Low & Reverse)	1
21	5176	Shaft — Input	1
22	5175	Pinion Gear & Spline	1
23	3910	Shaft — Cluster	1
24	937014	Key #9 Woodruff	3
25	3525	Gear — Cluster	1
26	1504	Bushing — Bronze	2
27	3528	Pinion— Cluster Shaft Reduction	1
28	3527	Gear — Cluster Shaft Reduction	1
29	4204	Gear — Reverse Idler	1
30	1516	Bushing — Bronze	1
31	3909	Pin — Reverse Idler	1
32	4166	Gear — Brake Shaft	1
33	2821	Gear — Ring	1
34	2822	Case — Differential — R.H.	1
35	2823	Case — Differential — L.H.	1
36	2820	Gear — Axle	2
37	933217	Roll Pin ¼ x 1½	2
38	2819	Gear — Differential Pinion	2
39	2827	Shaft Differential	1
40	908044-4	Bolt — Hex ⅜-16 x 4	4

Item No.	Part No.	Description	No. Req'd.
41	1022	Nut — Hex Lock ⅜-16	4
42	2824	Axle — Rear R.H.	1
43	2825	Axle — Rear L.H.	1
44	3912	Gasket	1
45	2826	Block — Differential	2
46	4161	Case — Transmission L.H.	1
47	1530	Bearing — Needle	1
48	1531	Bearing — Needle	1
49	2828	Washer — Thrust	2
50	943420-4	Plug ⅜ Pipe Sq. Hd.	1
51	908038-4	Bolt — Hex ⅜-16 x 2	5
52	908043-4	Bolt — Hex ⅜-16 x 3½	1
53	915113-6	Nut — Nylok ⅜-16	10
54	933168	Roll Pin 5/32 x 13/16	1
55	909854-6	Set Screw Nylok ¼-20 x ¾	1
56	915111-6	Nut — Hex ¼-20 Nylok	1
57	3577	Boot — Shift Lever	1
58	2709	Knob — Shift	1
59	3902	Drum — Brake	1
60	937022	Key #15 Woodruff	1
61	S-50-100	Snap Ring 1" Shaft	1
62	4437	Band — Brake	1
63	908002-4	Bolt — Hex ¼-20 x ⅝	2
64	920081-4	Lock Washer ¼ Dia.	2
65	4483	Ass'y. Shift Stick	1
66	2707	Pulley	1
67	909543-4	Set Screw Sq. Hd. 5/16-18 x ⅞	1
68	915235-4	Nut — Jam 5/16-18	1
69	909862-6	Set Screw 5/16-18 x 5/16 Nylok	1
70	908034-4	Bolt — Hex ⅜-16 x 1	4
71	920083-4	Lock Washer ⅜ Dia.	4
72	1488	Hub — Rear Wheel	2
73	909554-4	Set Screw Sq. Hd. ⅜-16 x 1	4
74	937046	Key #RX Woodruff	2
75	3935	Rod — Brake	1
76	915605-4	Nut ⅜-16 Elastic Stop	1
77	1487	Lug — Bolt	8
78	943460-4	Plug ¼ Pipe	1
79	S-52-3	Hair Pin	1

Wheel Horse Service Bulletins 1961 - 1990: **#399c** Issued: August 1986

Steering Wheel Usage - Model 953 (w/pinion and sector steering),

Previous *Table of Contents* *Next*

This bulletin supersedes bulletin 399B, dated MARCH 1989

1054, 1054A, GT-14, 1057, 1067, 1077, 1257, 1277 TRACTORS,

MODELS USING P/N 7420 STEERING WHEEL

1. Subject

1.1 P/N 4875 & 7420 steering wheel is obsolete.

1.2 The substitute wheel depends on tractor model, and is identified below.

2. Service Action

2.1 Models 953 (w/pinion and sector steering) 1054, 1054A, and GT-14 Tractors using P/N 4875 steering wheel---P/N 107121 steering wheel with P/N 102856 insert cap may be used, if steering shaft is drilled to accept 1/4 x 2" spirol pin, P/N 933221. Bolt-on steering wheel, P/N 101125, may also be used if it is spaced up with washers to compensate for shorter hub length, compared with original. P/N 102856 insert cap is also required.

2.2 Models 1057, 1067, 1077, 1257, and 1277 using P/N 4875 steering wheel-Use replacement wheel: S/A 7719.

2.3 Models using P/N 7420 steering wheel---P/N 110743 or 107121 steering wheel (soft feel, 15" dia.) with P/N 102856 insert cap may be used, if steering shaft is drilled to accept 1/4 x 2" spirol pin P/N 933221. A less costly alternative is S/A 101521, 13 3/8" dia. plastic wheel (spirol pin & drilling shaft required, as previously described).

ROUTING	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	CHIEF MECHANIC	MECHANIC NO 1	MECHANIC NO 2	MECHANIC NO 3	MECHANIC NO 4	RETURN THIS TO
INITIAL HERE									

Wheel Horse

Service Bulletin 58

December 14, 1964

SUBJECT: WHEEL HORSE TRANSMISSIONS

We are listing below the transmissions used on 1965 model tractors, as well as interchangeability on previous models for your information.

Tractor Model	Trans. Part No.	List Prices
1054-A, 1054 & 953	5051	$276.05
1075 & 875	5052	$467.00
155 & 105	5048	$212.80
401, ST 550 & ST 400	5010	*
RJ-59 & RJ-58	5003	*
All Others	5049	$220.50

INTERCHANGEABILITY

Trans. Part No.	Replaces
5051	5047 & 5045
5052	----------
5048	----------
5010	----------
5003	----------
5049	5046, 5025, & 5007

All transmissions are shipped LESS the shift lever, boot, and the lubricant. This bulletin supercedes Service Bulletin No. 50.

* Complete transmissions not available. Replacement parts available through our Parts Department. (Reference Service Bulletin No. 37)

Jack D. Walton
Service Manager

JDW:jr

Wheel Horse Service Bulletins 1961 - 1990: **#60** Issued: January 15, 1965

Transmission - New Shift Rails

Previous *Table of Contents* *Next*

The new shift rails (Parts No. 5615 and 5616) currently used in the 1965 model transmissions are interchangeable with the shift rails (Parts No. 3515 and 3516) used in all previous model transmissions. The new shift rails will interchange either individually or in pairs, provided a Part No. 3573 Shift Stop Pin is used. This pin is a standard part used in all units prior to 1965.

If it becomes necessary to replace one of the earlier shift rails, we recommend that both new shift rails (Parts No. 5615 and 5616) together with the new Part No. 5614 Shift Stop Pin be installed. The additional cost to the customer is negligible and will definitely eliminate the possibility of the transmission locking in two gears.

CAUTION!! The Part No. 5614 Shift Stop Pin cannot be used unless both new style shift rails have been installed.

Wheel Horse Service Bulletins 1961 - 1990: **#80** Issued: December 1966

Transmissions Usage and Interchangeability

Previous *Table of Contents* *Next*

Transmission usage and interchangeability, including 1967 model tractors is as follows:

USAGE

Tractor Model No.	Transmission Part No.
1257, 1057	5058
1277, 1276, 1077, 1076	5054
877, 876, 875, 1075	5052
1054A, 1054, 953	5059
L-155, L-105	5048
401, ST-550, ST-400	*5010
RJ-59, RJ-58	*5003
All Others	5053

*Complete transmission not available. Reference Service Bulletin Number 37.

INTERCHANGEABILITY

Transmission Part No.	Replaces
5059	5051, 5047, 5045
5058	--------
5054	--------
5053	5049, 5046, 5025, 5007
5052	--------

This bulletin supercedes Service Bulletin #70.

REMINDER:

Additional service information on Uni-Drive and Wheel-a-Matic transmissions may be found on the following Service Bulletins: #23, 52, 55, 60, 62, and 68.

Wheel Horse

Service Bulletin 50

November 12, 1963

TO OUR DEALERS AND DISTRIBUTORS

SUBJECT: 1964 TRANSMISSIONS

The transmissions used on the 1964 Model tractors are as follows:

TRACTOR MODEL	TRANS. PART NUMBER
34-R	5046
34-E	5046
604	5046
654	5046
704	5046
854	5025
1054	5047

The part number 5025 and 5046 Transmission are exactly alike with the exception of the shift levers. To eliminate double inventory and possible shipping errors, ALL replacement transmissions, including the part number 5047 Transmission, will be shipped LESS the shift lever and boot. The shift lever and boot should be retained from the defective transmission and re-installed in the replacement.

Jack D. Walton
Service Manager

JDW:csu

Wheel Horse Service Bulletins 1961 - 1990: **#60** Issued: January 15, 1965

Transmission - New Shift Rails

Previous *Table of Contents* *Next*

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If it becomes necessary to replace one of the earlier shift rails, we recommend that both new shift rails (Parts No. 5615 and 5616) together with the new Part No. 5614 Shift Stop Pin be installed. The additional cost to the customer is negligible and will definitely eliminate the possibility of the transmission locking in two gears.

CAUTION!! The Part No. 5614 Shift Stop Pin cannot be used unless both new style shift rails have been installed.

Wheel Horse Service Bulletins 1961 - 1990: **#80** Issued: December 1966

Transmissions Usage and Interchangeability

Previous *Table of Contents* *Next*

Transmission usage and interchangeability, including 1967 model tractors is as follows:

USAGE

Tractor Model No.	Transmission Part No.
1257, 1057	5058
1277, 1276, 1077, 1076	5054
877, 876, 875, 1075	5052
1054A, 1054, 953	5059
L-155, L-105	5048
401, ST-550, ST-400	*5010
RJ-59, RJ-58	*5003
All Others	5053

*Complete transmission not available. Reference Service Bulletin Number 37.

INTERCHANGEABILITY

Transmission Part No.	Replaces
5059	5051, 5047, 5045
5058	--------
5054	--------
5053	5049, 5046, 5025, 5007
5052	--------

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REMINDER:

Additional service information on Uni-Drive and Wheel-a-Matic transmissions may be found on the following Service Bulletins: #23, 52, 55, 60, 62, and 68.