

GRAVELLY®

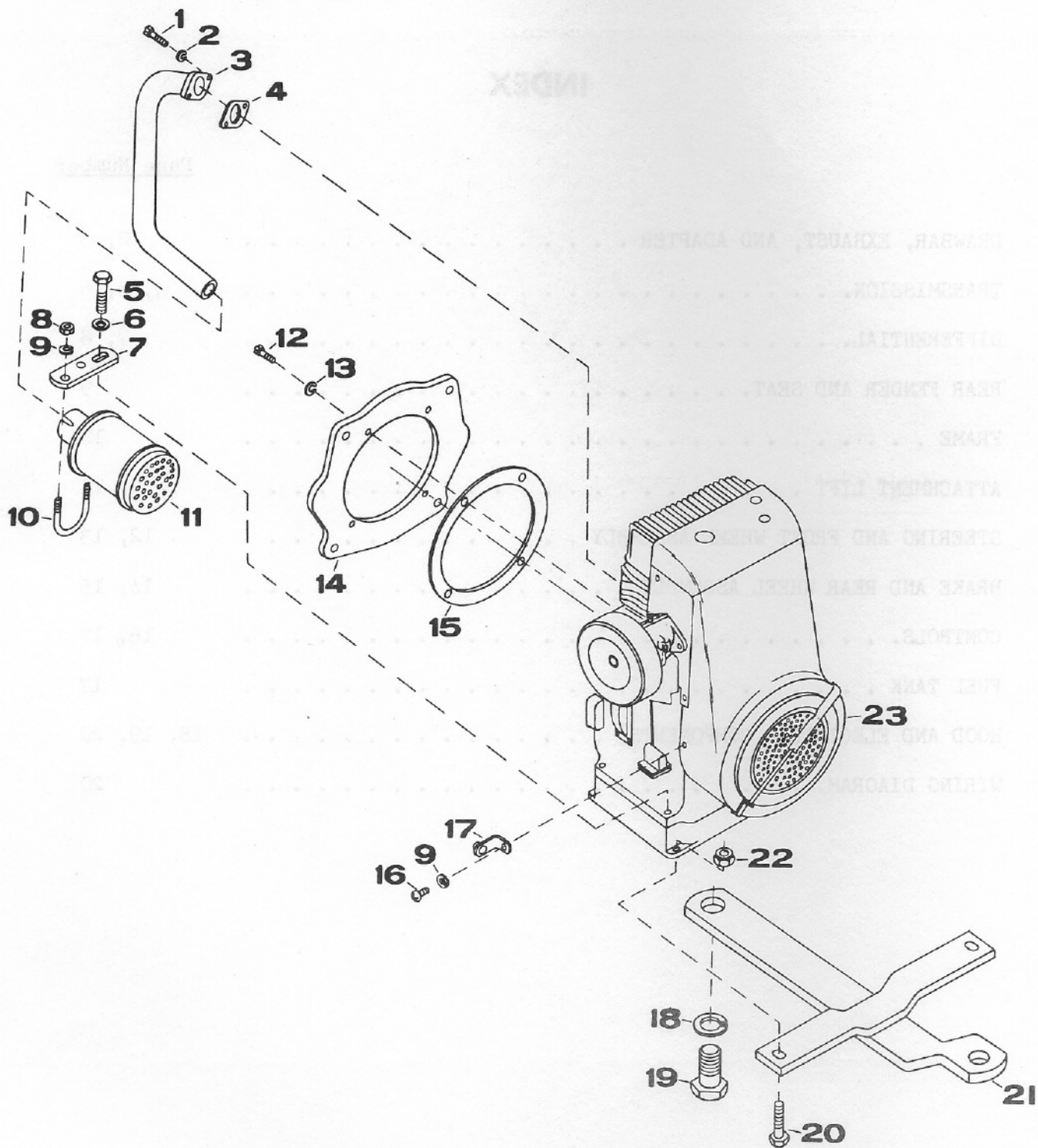
**424, 430 & 432
ILLUSTRATED
PARTS LIST**

Prior to Serial Number 4211A

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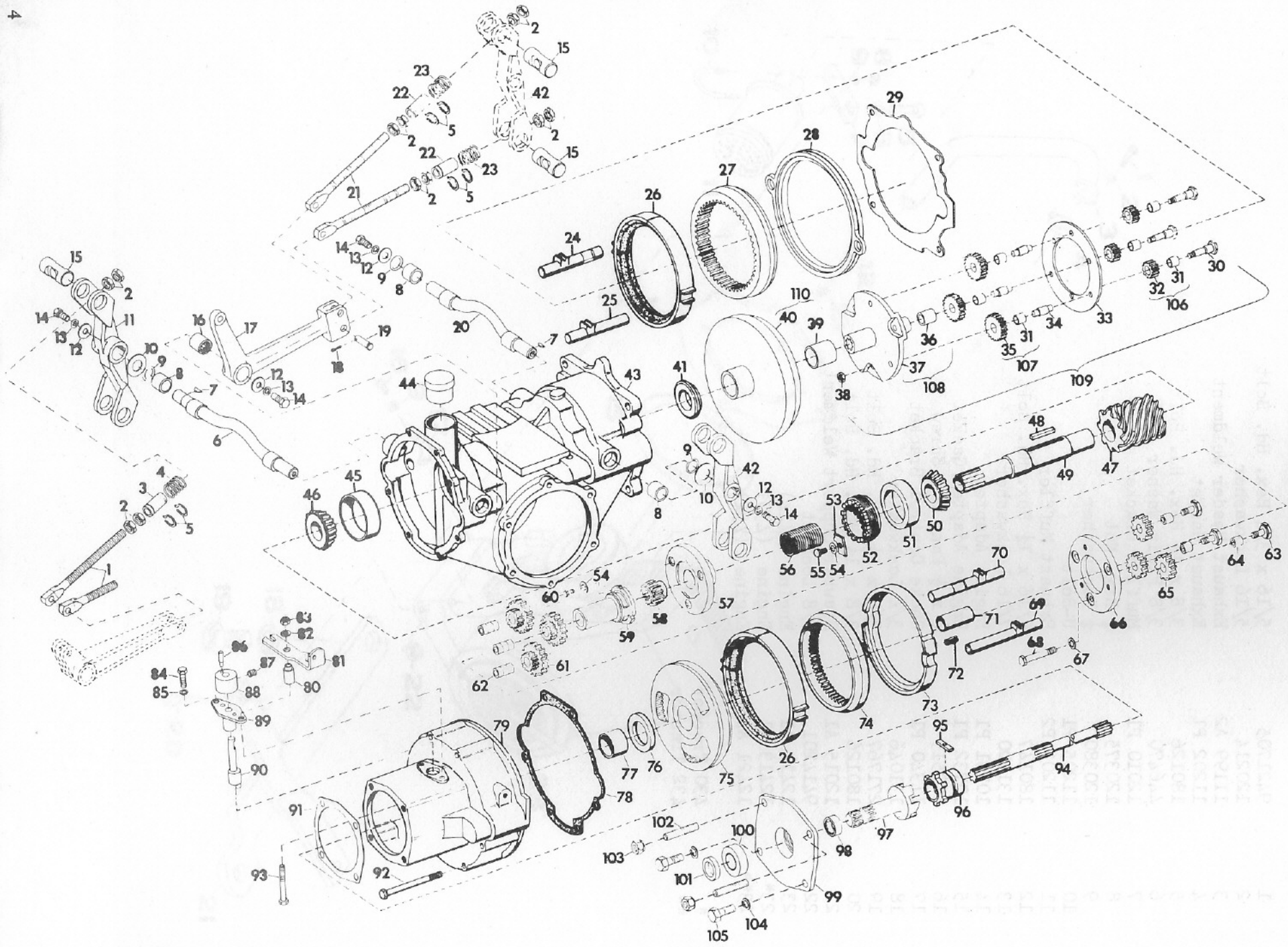
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DRAWBAR, EXHAUST AND ADAPTER



<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
1	9421705	5/16 x 3/4 Hex. Hd. Bolt	
2	120214	5/16 Lockwasher	
3	11199 A2	Exhaust Header Weldment	
4	11202 P1	Exhaust Gasket	
5	180126	3/8 x 1 1/2 Hex. Hd. Bolt	
6	446470	3/8 Plain Washer	
7	12010 P1	Muffler Bracket	
8	120375	1/4 Hex. Nut	
9	120380	1/4 Lockwasher	
10	11205 P1	U-Bolt	
11	11203 P2	Exhaust Muffler	
12	180147	7/16 x 1 1/4 Hex. Hd. Bolt	
13	131100	7/16 Lockwasher	
14	10731 P1	Engine Adapter	
15	10732 P1	Engine Adapter Gasket	
16	160515	1/4 x 1/2 Pan. Hd. Screw	
17	11340 P1	Choke Control Bracket	
18	131046	3/4 Lockwasher	
19	271767	3/4 x 1 1/2 Hex. Hd. Bolt	
20	180126	3/8 x 1 1/2 Hex. Hd. Bolt	
21	12015 A1	Drawbar Support Weldment	
22	9414201	3/8 Locknut	
23	12414 A1	Engine (424)	
23*	12413 A1	Engine (430)	
23**	12421 A1	Engine (432)	

* 430 Tractor
** 432 Tractor

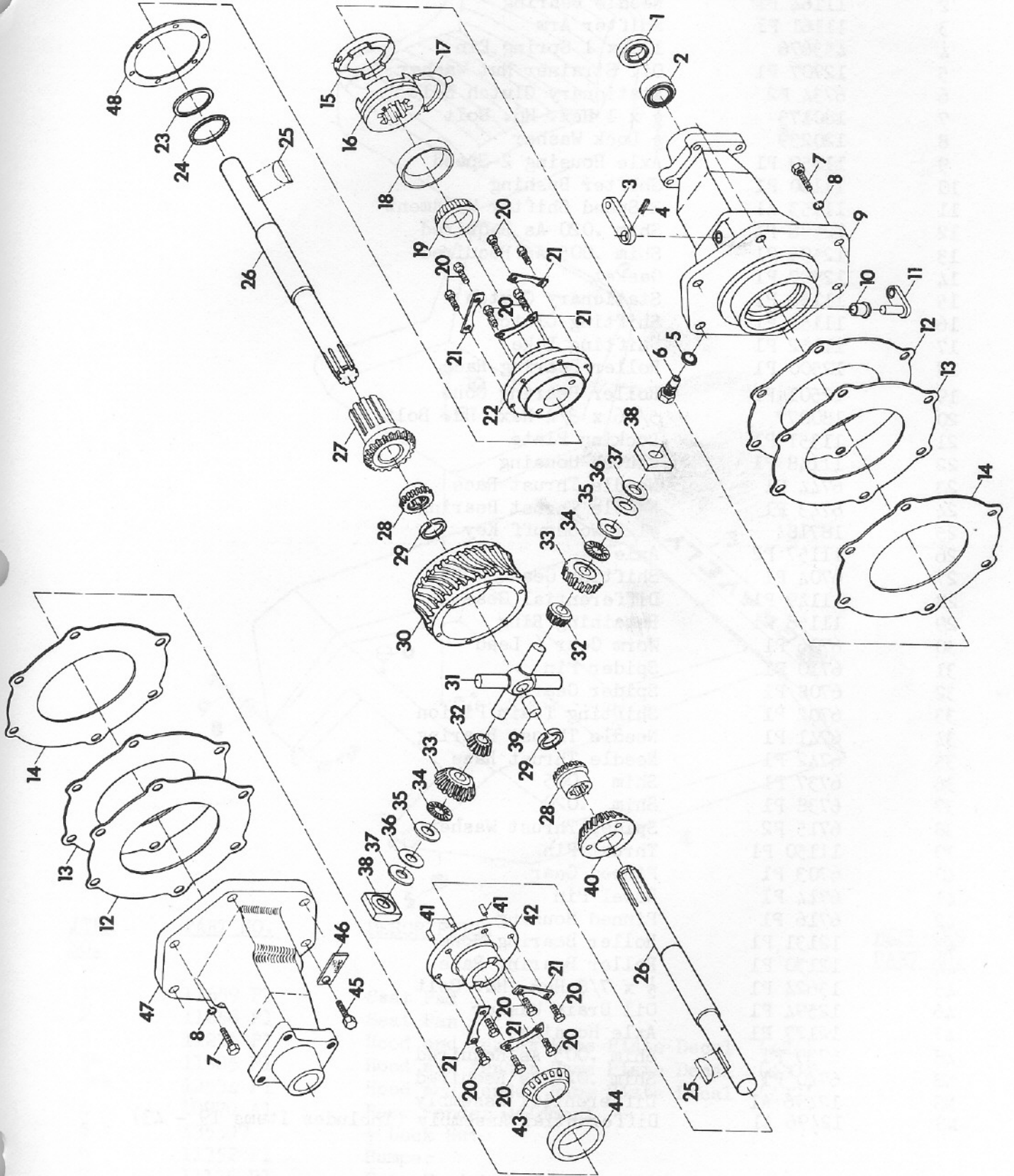


TRANSMISSION

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
1	11070 P1	Fwd.-Rev. Clutch Rod	
2	120238	$\frac{1}{2}$ Hex. Jam Nut	
3	11067 P1	Clutch Spring Tube	
4	11065 P1	Clutch Spring (fwd:rev)	
5	11069 P1	Retaining Clip	
6	11146 P1	Clutch Actuating Shaft, Front	
7	124549	#9 Woodruff Key	
8	10618 P1	Actuating Shaft Bushing	
9	10663 P1	"O" Ring	
10	131017	13/16 Flatwasher	
11	11060 P1	Fwd.-Rev. Clutch Lever	
12	12694 P1	Plain Washer	
13	120423	$\frac{1}{4}$ Lockwasher	
14	180016	$\frac{1}{4}$ x $\frac{1}{2}$ Hex. Hd. Bolt	
15	11064 P1	Clutch Rod Pivot	
16	11063 P1	Needle Bearing	
17	11062 P1	Hi-Lo Clutch Link	
18	103373	3/32 x 3/4 Cotter Pin	
19	7020 P1	Clevis Pin	
20	11147 P1	Clutch Actuating Shaft, Rear	
21	11079 P1	Hi-Lo Clutch Rod	
22	11068 P1	Clutch Spring Tube	
23	11066 P1	Clutch Spring (Hi-Lo)	
24	11185 P1	Clutch Slide Rod, R.H.	
25	11184 P1	Clutch Slide Rod, L.H.	
26	12644 P1	Clutch Cup	
27	11182 P1	Rear Ring Gear	
28	11183 P1	Rear Spacer	
29	10635 P1	Gasket	
30	11181 P1	Orbit Gear Pin	
31	11177 P1	Orbit Gear Bushing	
32	11180 P1	Orbit Gear	
33	11178 P1	Pin Spacer	
34	11174 P1	Orbit Gear Pin	
35	11176 P1	Orbit Gear	
36	11172 P1	Planet Carrier Bushing	
37	11173 P1	Planet Gear Carrier	
38	11342 P1	5/16 Lock Nut L.H. THD.	
39	11169 P1	Ring Gear Bushing	
40	11170 P1	Ring Gear	
41	12645 P1	Thrust Plate	
42	11061 P1	Hi-Lo Clutch Lever	
43	11188 P1	Chassis	
44	10617 P1	Oil Filler Plug	
45	10390 P1	Roller Bearing Cup	
46	10389 P1	Roller Bearing Cone	
47	13495 P1	Worm 6 Lead	
48	12668 P1	Worm Key	
49	12647 P1	Worm Shaft	
50	12332 P1	Roller Bearing Cone	
51	12333 P1	Roller Bearing Cup	
52	12635 P1	Bearing Adjustment Nut	
53	12648 P1	Adjusting Nut Lock	
54	120423	$\frac{1}{4}$ Lockwasher	
55	180018	$\frac{1}{4}$ x 5/8 Hex. Hd. Bolt	
56	12663 P1	Pin Plate Spacer Ring	

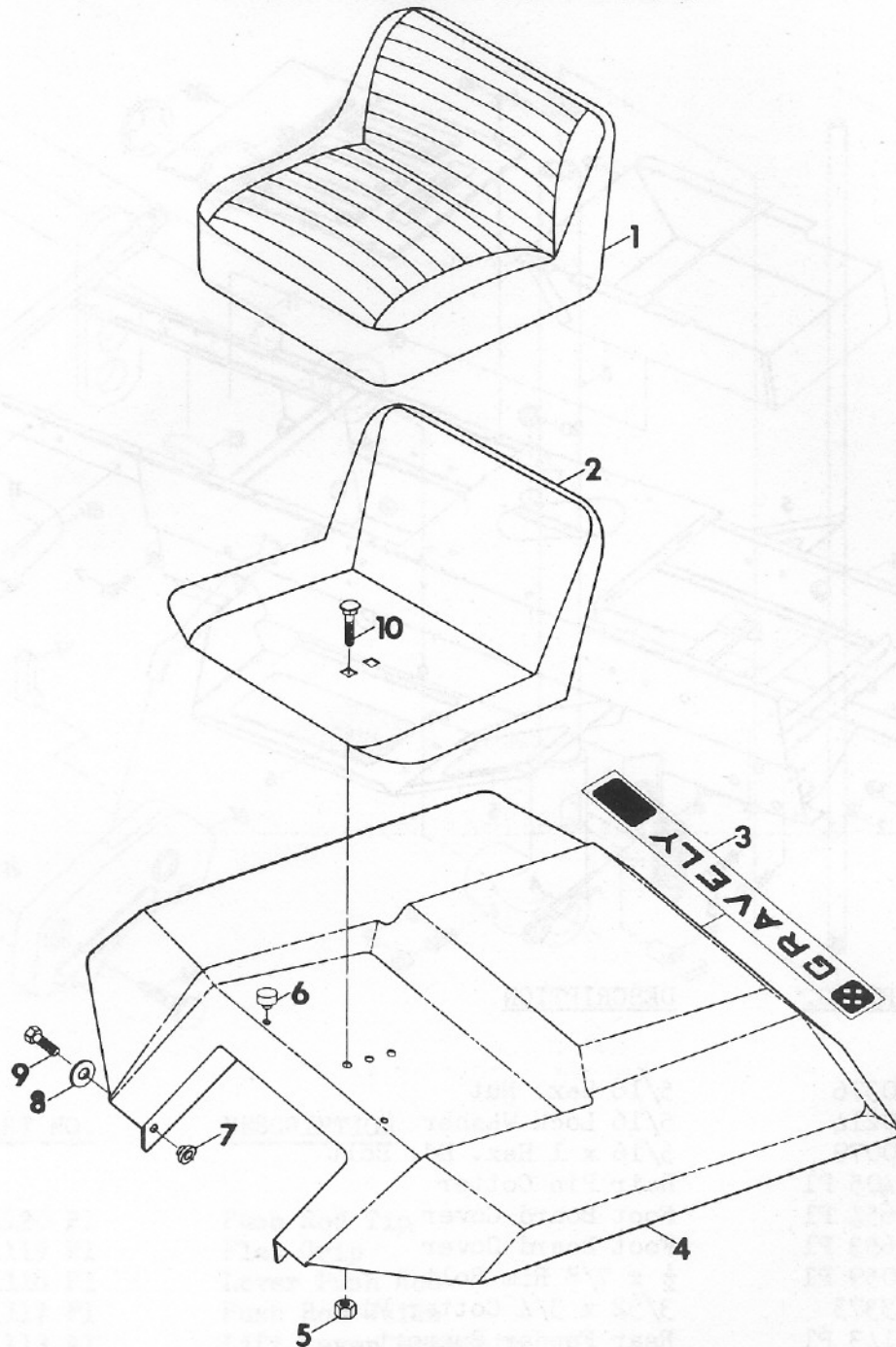
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
57	12633 P1	Front Pin Plate	
58	12637 P1	Sun Pinion	
59	12653 P1	Pin Plate Quill	
60	180016	$\frac{1}{4}$ x $\frac{1}{2}$ Hex. Hd. Bolt	
61	12639 P1	Orbit Gear	
62	12640 P1	Orbit Gear Pin	
63	12658 P1	Reverse Idler Bolt	
64	12657 P1	Reverse Idler Bushing	
65	12656 P1	Reverse Idler Gear	
66	12655 P1	Front Pin Spacer	
67	138542	$\frac{3}{8}$ Lockwasher	
68	12643 P1	Spacer Bolt	
69	12677 P1	Clutch Slide Rod L. H.	
70	12678 P1	Clutch Slide Rod R. H.	
71	12662 P1	Pinion Shaft Bearing	
72	13456 P1	$\frac{3}{8}$ x $\frac{1}{2}$ Spring Pin	
73	12636 P1	Gear Cup	
74	12632 P1	Internal Gear	
75	12654 P1	Reverse Cone	
76	12646 P1	Front Thrust Washer	
77	12650 P1	Quill Bearing	
78	12591 P1	Chassis Front Gasket	
79	11186 P1	Advance Casting	
80	12322 P1	Spacer	
81	11091 P1	Att. Throw-out Shifter Arm	
82	120393	$\frac{11}{32}$ Flat Washer	
83	9413447	$\frac{5}{16}$ Hex. Lock Nut	
84	180079	$\frac{5}{16}$ x 1 Hex. Hd. Bolt	
85	120214	$\frac{5}{16}$ Lockwasher	
86	12320 P1	Shifter Dowel	
87	102592	$\frac{3}{8}$ Set Screw	
88	12408 P1	Shifter Body	
89	10687 P2	Shipper Shaft Guide	
90	12661 P1	Shipper Shaft	
91	5056 P1	Attachment Gasket	
92	180735	$\frac{5}{16}$ x $\frac{3}{4}$ Hex. Hd. Bolt	
93	180089	$\frac{5}{16}$ x $\frac{2}{4}$ Hex. Hd. Bolt	
94	11298 P1	Pinion Shaft	
95	12601 P1	Dog Block	
96	12660 P1	Clutch Dog	
97	11872 P1	P.T.O. Dog Clutch Shaft	
98	11227 P1	Needle Bearing	
99	11296 P1	Advance Casting Cover Plate	
100	11293 P1	Ball Bearing	
101	11841 P1	Spacer	
102	11187 P1	Stud	
103	124829	$\frac{1}{2}$ Hex. Jam Nut	
104	103323	$\frac{1}{2}$ Lockwasher	
105	180175	$\frac{1}{2}$ x $\frac{1}{4}$ Hex. Hd. Bolt	
106	11179 A1	Orbit Gear Assembly	
107	11175 A1	Orbit Gear Assembly	
108	11171 A1	Planet Gear Carrier Assembly	
109	14615 A1	Hi-Lo Planetary Assembly	
110	11168 A1	Ring Gear and Bushing Assembly	

DIFFERENTIAL



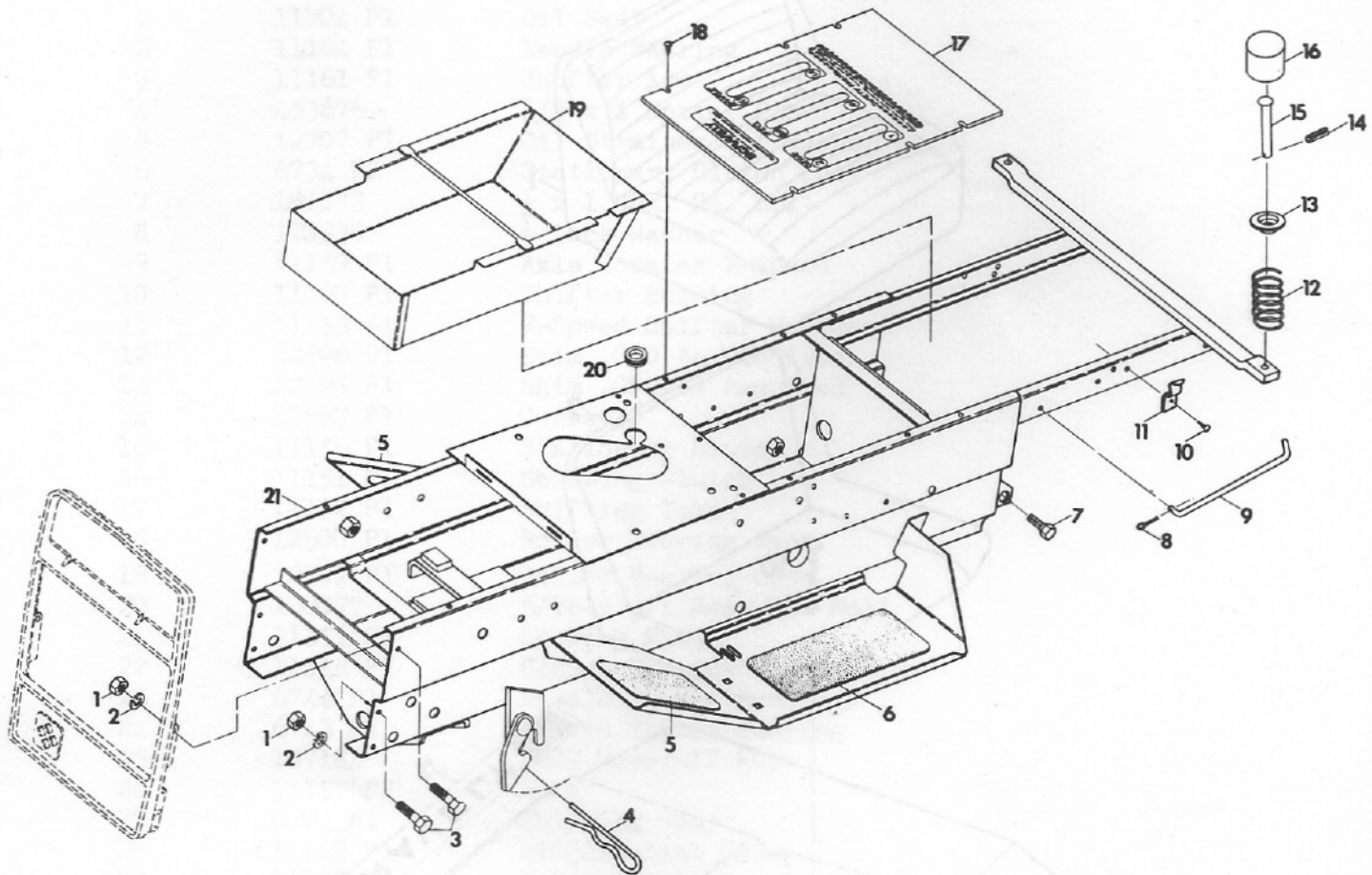
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
1	11704 P1	Oil Seal	
2	11164 P1	Needle Bearing	
3	11161 P1	Shifter Arm	
4	453676	1/8 x 1 Spring Pin	
5	12707 P1	Oil Strainer Nut Washer	
6	6734 P2	Stationary Clutch Bolt	
7	180173	1/2 x 1 Hex. Hd. Bolt	
8	120239	1/2 Lock Washer	
9	11159 P1	Axle Housing 2-Speed	
10	11160 P1	Shifter Bushing	
11	11153 A1	2-Speed Shifter Weldment	
12	12596 P1	Shim .020 As Required	
13	12595 P1	Shim .005 As Required	
14	12597 P1	Gasket	
15	11156 P1	Stationary Clutch	
16	11151 P1	Shifting Clutch	
17	11152 P1	Shifting Yoke	
18	12500 P1	Roller Bearing Race	
19	12501 P1	Roller Bearing Cone	
20	180077	5/16 x 3/4 Hex. Hd. Bolt	
21	11351 P1	Locking Plate	
22	11148 P1	Clutch Housing	
23	6744 P1	Needle Thrust Race	
24	6743 P1	Needle Thrust Bearing	
25	187184	#127 Woodruff Key	
26	11157 P2	Axle	
27	6704 P1	Shifting Gear	
28	11149 P1	Differential Gear	
29	11158 P1	Retaining Ring	
30	6706 P1	Worm Gear 6 Lead	
31	6710 P1	Spider Pin	
32	6708 P1	Spider Gear	
33	6702 P1	Shifting Train Pinion	
34	6741 P1	Needle Thrust Bearing	
35	6742 P1	Needle Thrust Race	
36	6737 P1	Shim .005	
37	6738 P1	Shim .020	
38	6715 P2	Spider Thrust Washer	
39	11150 P1	Thrust Pin	
40	6703 P1	Pinned Gear	
41	6714 P1	Dowel Pin	
42	6716 P1	Pinned Housing	
43	12131 P1	Roller Bearing Cone	
44	12130 P1	Roller Bearing Race	
45	13624 P1	1/2 x 7/8 Hex. Hd. Bolt	
46	12594 P1	Oil Drain Washer	
47	12127 P1	Axle Housing	
48	6739 P1	Shim .005 As Required	
NS	6740 P1	Shim .020 As Required	
NS	12496 A1	Differential Assembly	
NS	12496 A1	Differential Assembly (Includes Items 19 - 43)	

REAR FENDER AND SEAT



<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
1	11659 P1	Seat Pad	
2	11658 P1	Seat Pan	
3	11236 P1	Hood and Fender Name Plate Decal	(424)
3*	11905 P1	Hood and Fender Name Plate Decal	(430)
3**	12534 P1	Hood and Fender Name Plate Decal	(432)
4	10970 A1	Rear Fender Weldment	
5	435507	$\frac{1}{2}$ Lock Nut	
6	11352 P1	Bumper	
7	11138 P1	Rear Fender Bushing	
8	120394	$\frac{13}{32}$ Flat Washer	
9	181637	$\frac{3}{8}$ x $1\frac{1}{4}$ Hex. Hd. Bolt	
10	126485	$\frac{1}{2}$ x $1\frac{1}{4}$ Hex. Hd. Bolt	
*	430 Tractor		
**	432 Tractor		

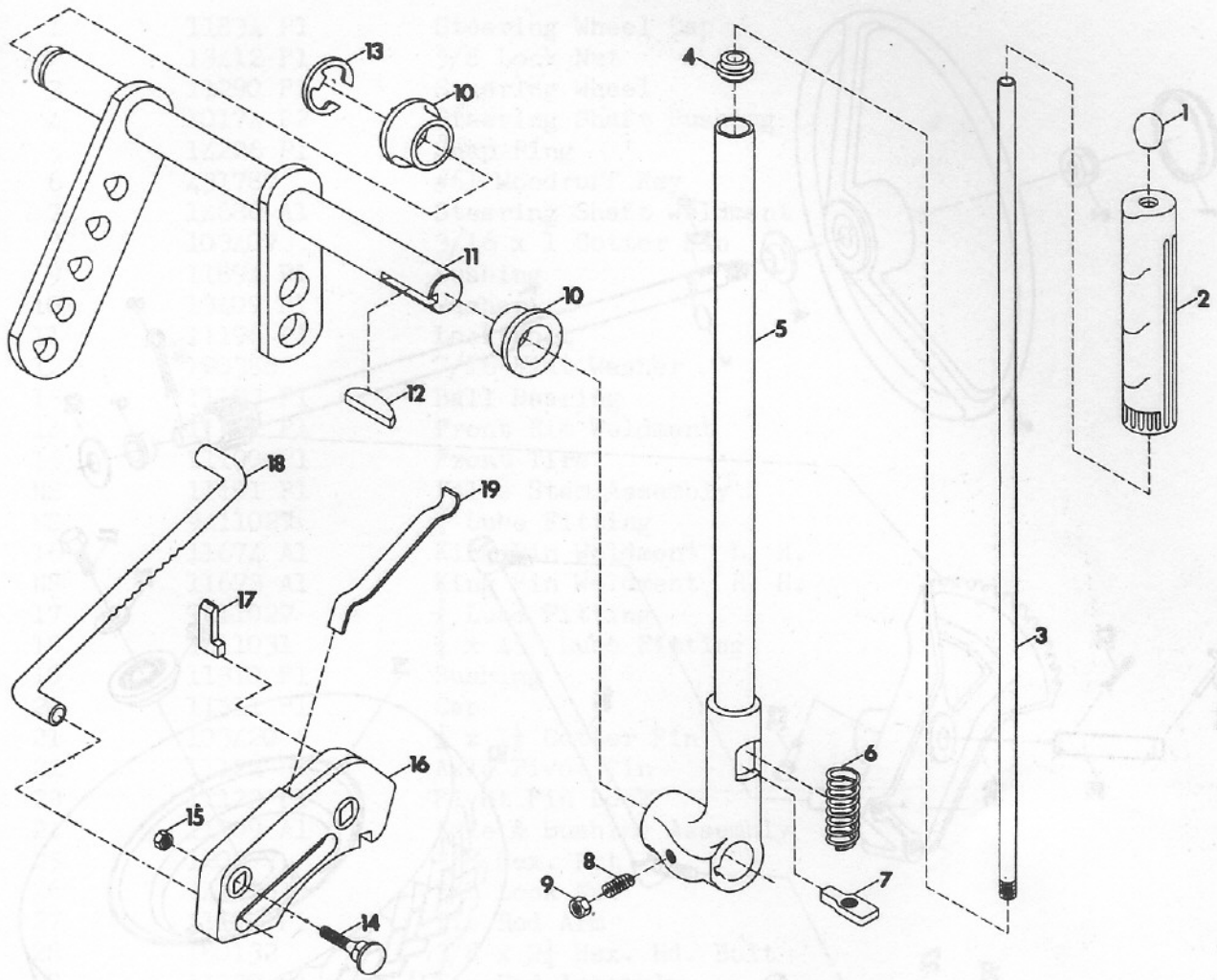
FRAME



<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	120376	5/16 Hex. Nut
2	120214	5/16 Lock Washer
3	180079	5/16 x 1 Hex. Hd. Bolt
4	10405 P1	Hair Pin Cotter
5	11654 P1	Foot Board Cover
6	11653 P1	Foot Board Cover
7	11059 P1	1/2 x 7/8 Rim Bolt
8	103373	3/32 x 3/4 Cotter Pin
9	11143 P1	Rear Fender Support
10	163098	#6 x 3/8 Tapping Screw
11	11343 P1	Fender Rod Clip
12	11307 P1	Rear Fender Spring
13	5741 P1	Valve Spring Cap
14	455532	1/8 x 1/2 Spring Pin
15	11308 P1	Spring Mounting Pin
16	11768 P1	Rubber Tip
17	13558 P1	Controls Cover Plate
18	167257	1/4 x 1/2 Tapping Screw
19*	11035 A1	Tool Box (430)
19**	11035 A1	Tool Box (432)
20	7291 P1	Control Grommet
21	12376 A1	Main Frame Weldment

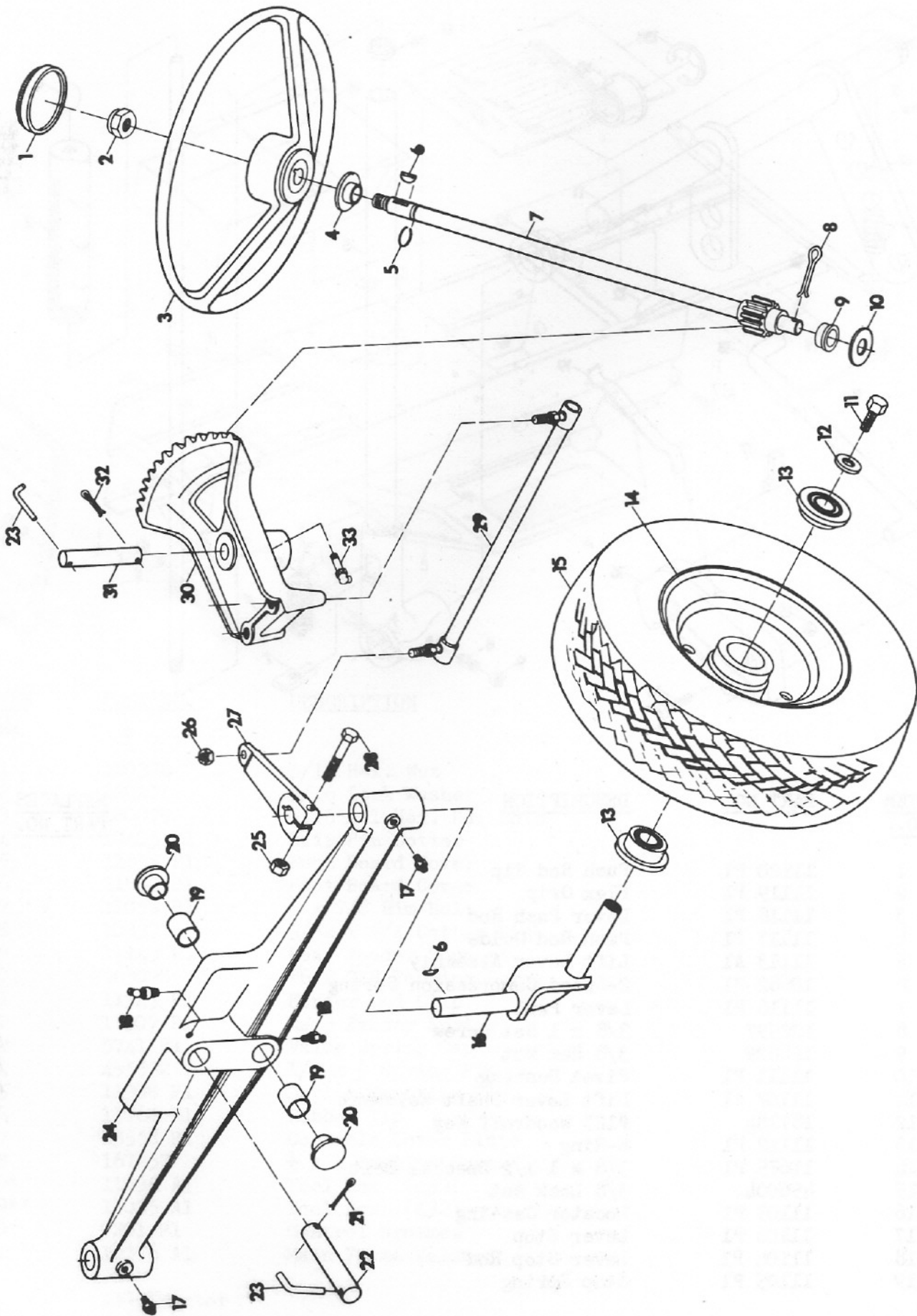
* 430 Tractor
 ** 432 Tractor

ATTACHMENT LIFT



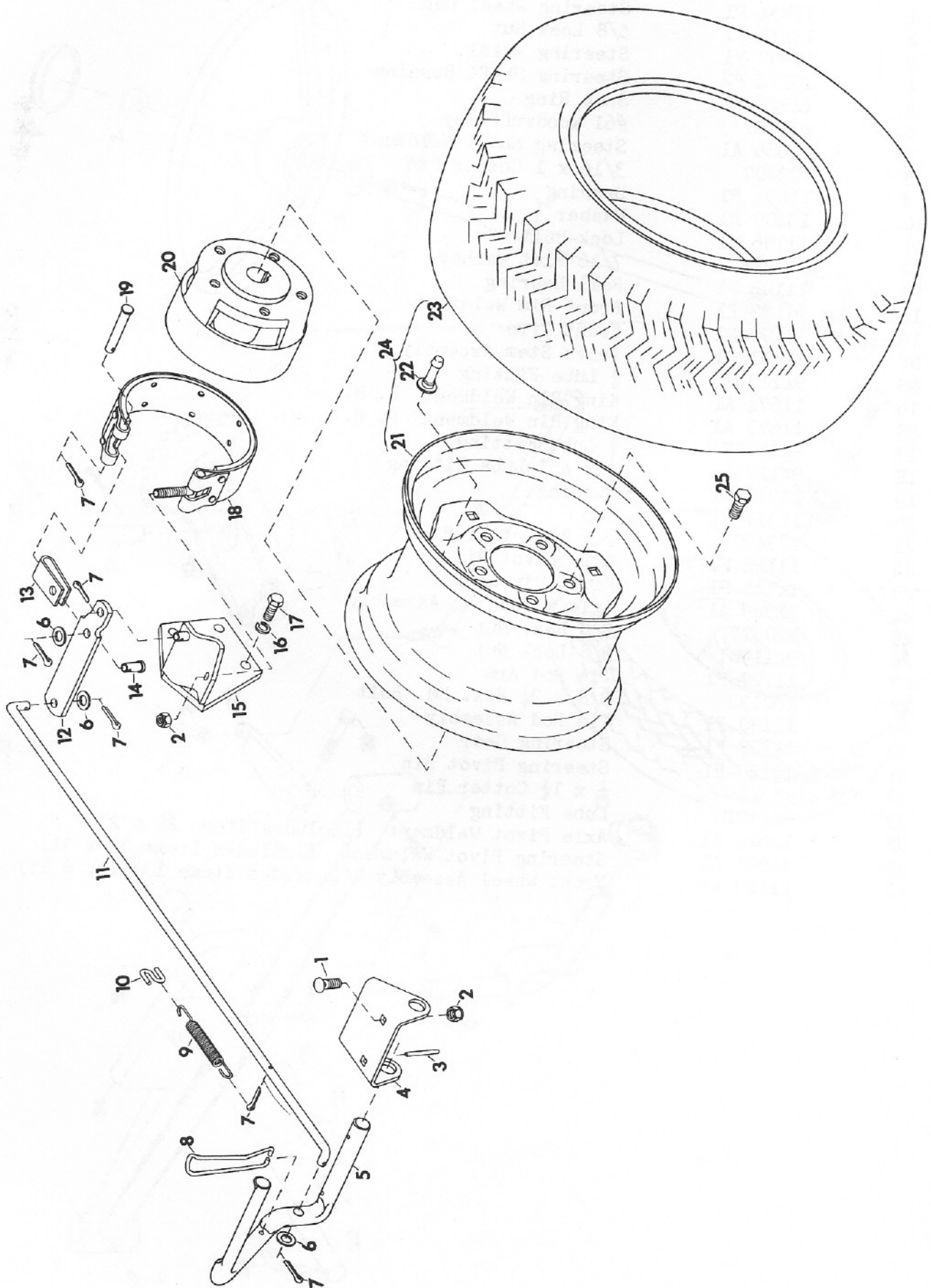
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
1	11120 P1	Push Rod Tip	
2	11119 P1	Flex Grip	
3	11118 P1	Lever Push Rod	
4	11117 P1	Push Rod Guide	
5	11113 A1	Lift Lever Assembly	
6	10682 P1	2-Speed Compression Spring	
7	11116 P1	Lever Pawl	
8	102597	3/8 x 1 Set Screw	
9	124829	3/8 Hex Nut	
10	11111 P1	Pivot Bushing	
11	11107 A1	Lift Lever Shaft Weldment	
12	187184	#127 Woodruff Key	
13	11112 P1	E-Ring	
14	11675 P1	3/8 x 1 1/2 Special Bolt	
15	456004	3/8 Lock Nut	
16	11103 P1	Locator Casting	
17	11106 P1	Lever Stop	
18	11104 P1	Lever Stop Rod	
19	11105 P1	Stop Spring	

STEERING AND FRONT WHEEL ASSEMBLY



<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	11834 P1	Steering Wheel Cap
2	13412 P1	5/8 Lock Nut
3	11290 P1	Steering Wheel
4	10174 P2	Steering Shaft Bushing
5	14226 P1	Snap Ring
6	431787	#61 Woodruff Key
7	14686 A1	Steering Shaft Weldment
8	103407	3/16 x 1 Cotter Pin
9	11894 P1	Bushing
10	13409 P1	Washer
11	11196 P1	Lock Bolt
12	120388	7/16 Flat Washer
13	11193 P1	Ball Bearing
14	11192 P1	Front Rim Weldment
15	11190 P1	Front Tire
NS	11191 P1	Valve Stem Assembly
NS	9411027	1/4 Lube Fitting
16	11674 A1	King Pin Weldment L. H.
NS	11673 A1	King Pin Weldment R. H.
17	9411027	1/4 Lube Fitting
18	9411031	1/4 x 45° Lube Fitting
19	11310 P1	Bushing
20	11311 P1	Cap
21	103420	1/4 x 1 1/2 Cotter Pin
22	11122 P1	Axle Pivot Pin
23	11123 P1	Pivot Pin Lock
24	11309 A1	Axle & Bushing Assembly
25	120377	3/8 Hex. Nut
26	9411981	3/8 Lock Nut
27	11127 P1	Tie Rod Arm
28	180132	3/8 x 2 1/4 Hex. Hd. Bolt
29	11130 P1	Tie Rod Assembly
30	11128 P1	Steering Gear
31	11129 P1	Steering Pivot Pin
32	103419	1/4 x 1 1/4 Cotter Pin
33	9411020	Lube Fitting
NS	14624 A1	Axle Pivot Weldment (Includes Items 22 & 23)
NS	14625 A1	Steering Pivot Weldment (Includes Items 23 & 31)
NS	11189 A1	Front Wheel Assembly (Includes Items 13, 14, & 15)

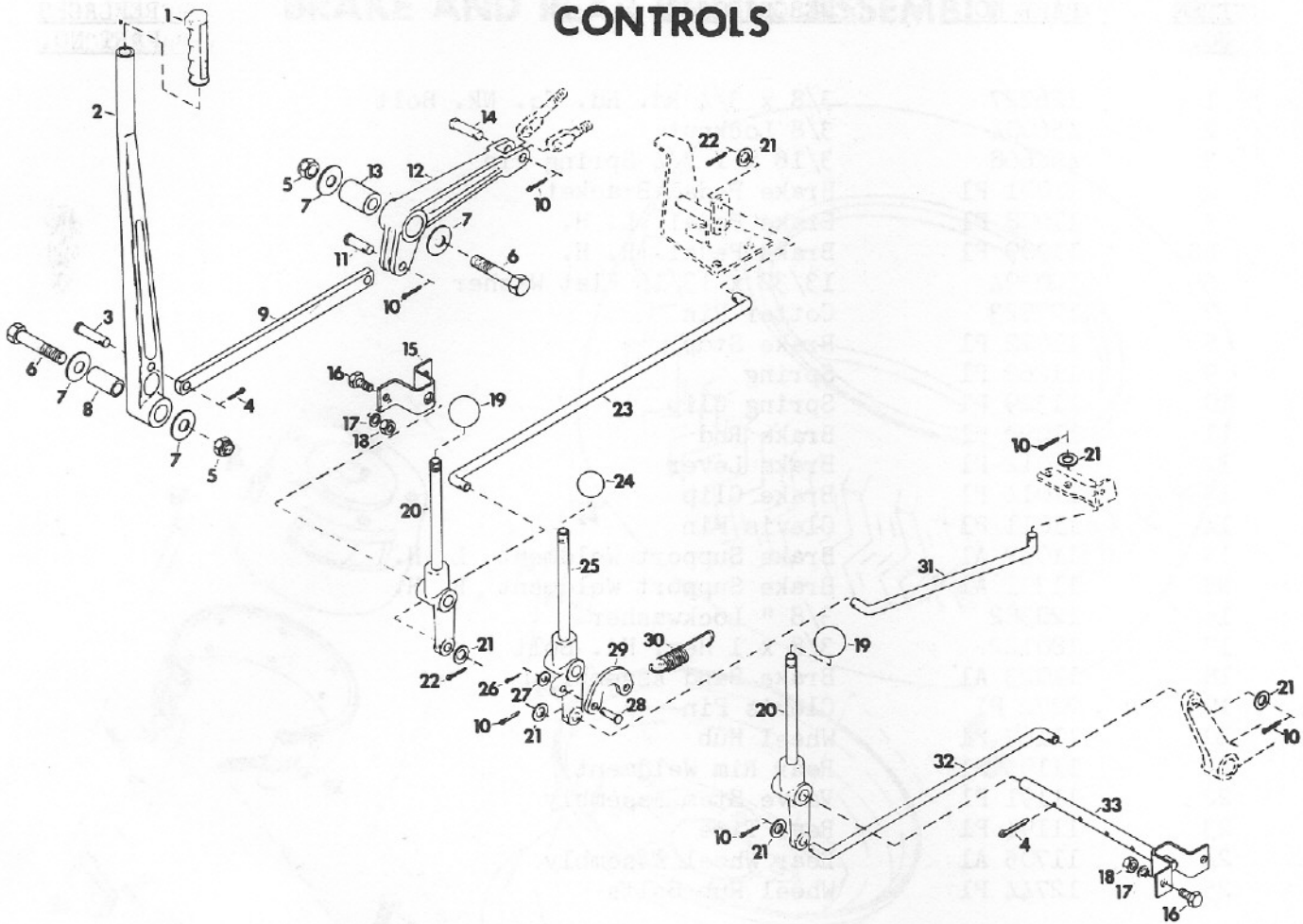
BRAKE AND REAR WHEEL ASSEMBLY



<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
1	126227	3/8 x 3/4 Rd. Hd. Sq. Nk. Bolt	
2	456004	3/8 Locknut	
3	454668	3/16 x 1 3/4 Spring Pin	
4	11021 P1	Brake Pedal Bracket	
5	11008 P1	Brake Pedal L. H.	
NS	11009 P1	Brake Pedal R. H.	
6	120394	13/32 x 13/16 Flat Washer	
7	177923	Cotter Pin	
8	11022 P1	Brake Stop	
9	11263 P1	Spring	
10	11329 P1	Spring Clip	
11	11020 P1	Brake Rod	
12	11012 P1	Brake Lever	
13	11014 P1	Brake Clip	
14	11011 P1	Clevis Pin	
15	11017 A1	Brake Support Weldment L. H.	
NS	11331 A1	Brake Support Weldment R. H.	
16	120382	3/8 " Lockwasher	
17	180122	3/8 x 1 Hex. Hd. Bolt	
18	11023 A1	Brake Band Assembly	
19	7072 P1	Clevis Pin	
20	11167 P1	Wheel Hub	
21	11195 P1	Rear Rim Weldment	
22	11191 P1	Valve Stem Assembly	
23	11194 P1	Rear Tire	
24	11705 A1	Rear Wheel Assembly	
25	12744 P1	Wheel Hub Bolts	

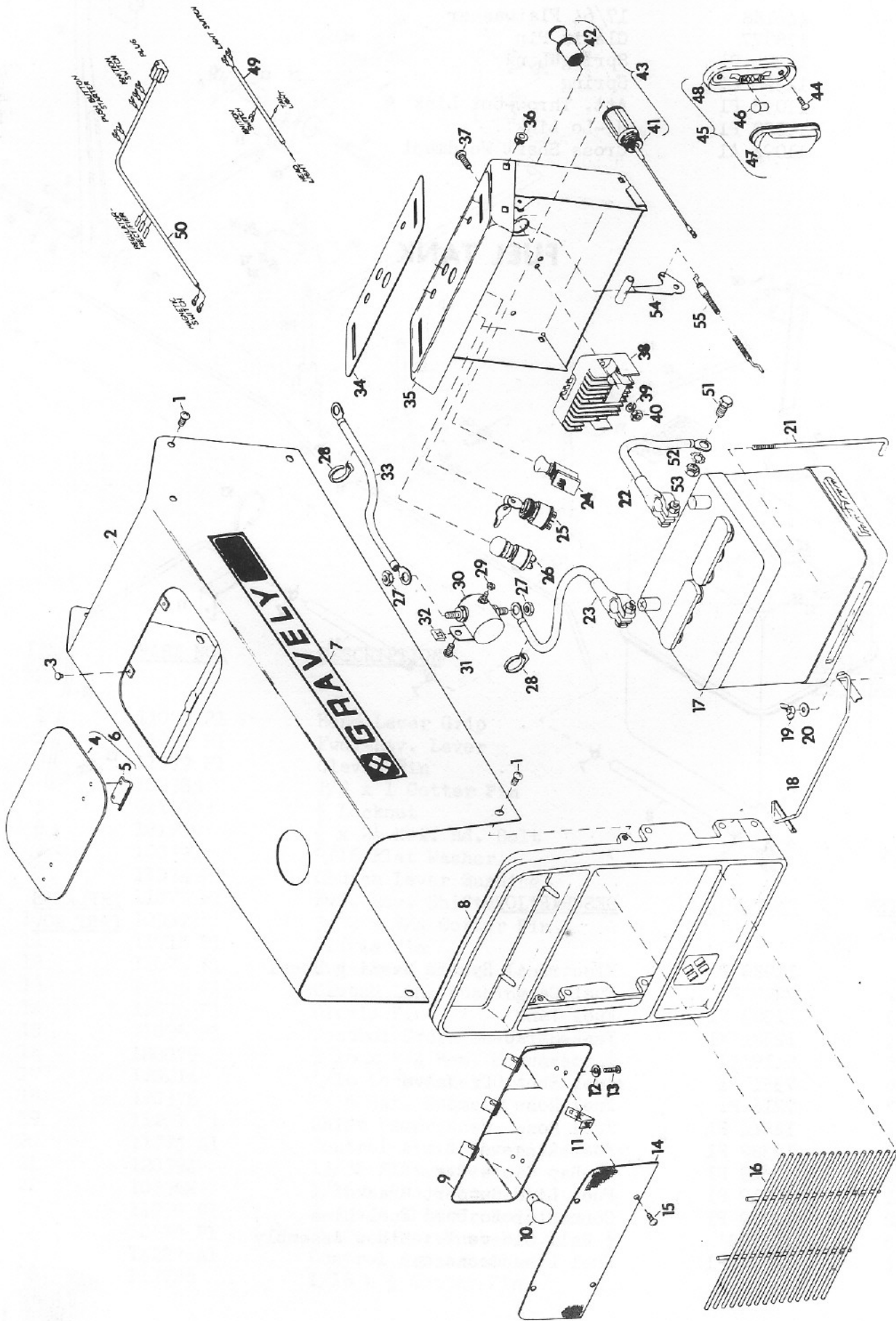
BRAKE AND CONTROLS ASSEMBLY

CONTROLS



<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
1	11078 P1	Hand Lever Grip	
2	11072 P1	Fwd.-Rev. Lever	
3	11077 P1	Clevis Pin	
4	103385	1/8 x 1 Cotter Pin	
5	9415993	1/2 Locknut	
6	181709	1/2 x 2 1/2 Hex. Hd. Bolt	
7	120390	9/16 Flat Washer	
8	11074 P1	Clutch Lever Bushing	
9	11073 P1	Fwd.-Rev. Shifter Link	
10	103373	3/32 x 3/4 Cotter Pin	
11	11718 P1	Clevis Pin	
12	11071 P1	Fwd.-Rev. Clutch Link	
13	11075 P1	Clutch Link Bushing	
14	11076 P1	Clevis Pin	
15	11096 P1	Control Cross Shaft Bracket	
16	180079	5/16 x 3/4 Hex. Hd. Bolt	
17	120214	5/16 Lockwasher	
18	120376	5/16 Hex. Nut	
19	11297 P1	Shift Lever Knob	
20	11775 A1	Control Arm & Lever Assembly	
21	120394	13/32 Flatwasher	
22	103362	1/16 x 3/4 Cotter Pin	
23	11090 P1	2-Speed Shifter Rod	
24	10670 P1	Shift Lever Knob	
25	14227 A1	Control Arm Assembly	
26	112726	1/16 x 1/2 Cotter Pin	

HOOD AND ELECTRICAL COMPONENTS



<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
1	167257	$\frac{1}{4}$ x $\frac{1}{2}$ Pan Hd. Screw	
2	12387 A1	Hood Weldment	
3	12394 P1	Nylon Button	
4	12392 P1	Door	
5	12393 P1	Clip	
6	12391 A1	Door Assembly	
7	11236 P1	Hood Decal (424)	
7*	11905 P1	Hood Decal (430)	
7**	12534 P1	Hood Decal (432)	
8	10969 P1	Grille Casting	
9	11334 A1	Lamp Reflector Assembly	
9*	11334 A1	Lamp Reflector Assembly	
9**	11334 A1	Lamp Reflector Assembly	
10	454646	Lamp	
10*	454646	Lamp	
10**	454646	Lamp	
11	11030 P1	Front Panel Mounting Clips	
12	120385	$\frac{1}{4}$ Plain Washer	
13	159947	#10 x $\frac{3}{4}$ Pan Hd. Screw	
14	11288 P1	Front Panel (424)	
14*	12269 P1	Front Light Panel (430)	
14**	12269 P1	Front Light Panel (432)	
15	159920	#10 x $\frac{1}{2}$ Pan Hd. Screw	
16	11057 P1	Mesh Grille Insert	
17	7274 P1	Battery	
18	11027 A1	Battery Hold Down Bracket	
19	10413 P1	$\frac{1}{4}$ Wing Nut	
20	120392	9/32 Plain Washer	
21	12386 P1	Battery Hold Down Hook	
22	6980 P1	Ground Cable (Neg.)	
23	12375 P1	Battery Cable (Pos.)	
24*	11337 P1	Light Switch (430)	
24**	11337 P1	Light Switch (432)	
25	10713 P2	On-Off Ignition Switch	
26	10885 P1	Starter Switch	
27	426913	5/16 Hex. Nut	
28	10629 P1	Ty-Rap Cable Tie	
29	453996	#8 Hex. Nut	
30	7277 P1	Magnetic Switch	
31	180515	$\frac{1}{4}$ x $\frac{1}{2}$ Pan Hd. Screw	
32	11676 P1	Speed Nut	
33	11031 P2	Starter Cable	
34	12011 P1	Instrument Panel Decal	
35	12012 A1	Instrument Panel Weldment	
36	11777 P1	Plastic Grommet	
37	160541	$\frac{1}{4}$ x $\frac{3}{4}$ Pan Hd. Screw	
38	11979 P1	Regulator - Rectifier	
39	120380	$\frac{1}{4}$ Lockwasher	
40	120375	$\frac{1}{4}$ Hex. Nut	
41*	14680 P1	Socket, Retainer, and Wire (430)	
41**	14680 P1	Socket, Retainer, and Wire (432)	
42*	12107 P1	Knob & Element (430)	
42**	12107 P1	Knob & Element (432)	
43*	11332 A1	Cigar Lighter (430)	
43**	11332 A1	Cigar Lighter (432)	

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REPLACES PART NO.</u>
44*	161869	#8 x 5/8 Machine Screw (430)	
44**	161869	#8 x 5/8 Machine Screw (432)	
45*	11338 A1	Tail Light Assembly (430)	
45**	11338 A1	Tail Light Assembly (432)	
46*	14682 P1	Lamp (430)	
46**	14682 P1	Lamp (432)	
47*	12061 P1	Rear Light Lens (430)	
47**	12061 P1	Rear Light Lens (432)	
48*	14683 P1	Lamp Holder (430)	
48**	14683 P1	Lamp Holder (432)	
49*	11350 P1	Wire Harness (430)	
49**	11350 P1	Wire Harness (432)	
50	12018 P1	Wire Harness	
51	180120	3/8 x 3/4 Hex. Hd. Bolt	
52	138489	3/8 Lock Washer	
53	120377	3/8 Hex. Nut	
54	11773 A1	Knob & Lever Assembly	
55	11771 P1	Conduit Assembly	
*	430 Tractor		
**	432 Tractor		

WIRING DIAGRAM

