

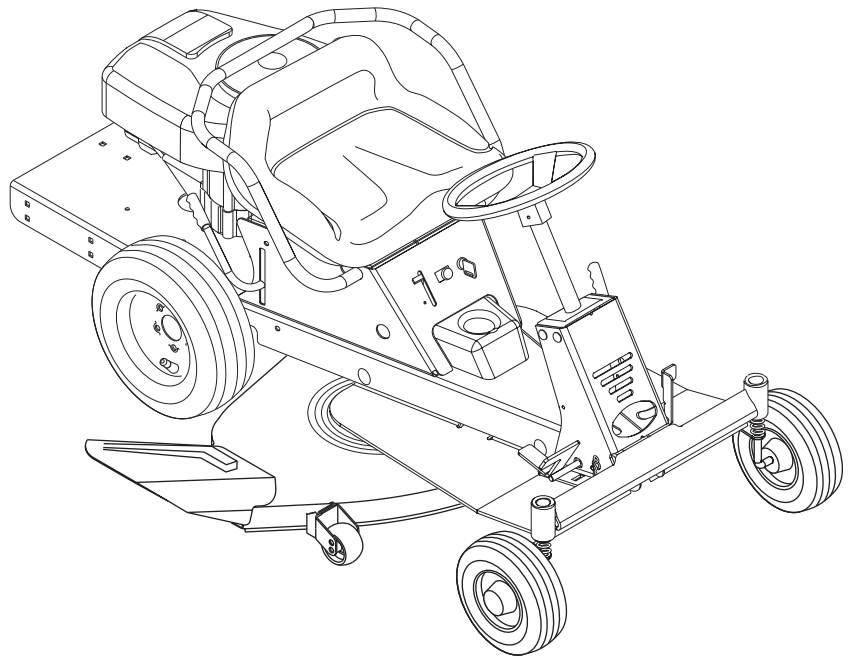


# Rear Engine Rider

## Parts Manual

Models

927062 - RM1232



## THE MANUAL

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Before you operate your unit, carefully and completely read manuals supplied with the unit. The contents will provide you with an understanding of safety instructions and controls during normal operation and maintenance.

For your safety and the safety of others always read, understand, and follow all DANGER, WARNING, and CAUTION messages found in manuals and on safety decals.

Hardware descriptions are given in decimals.

Decimals to Fractions			
.063	1/16	.563	9/16
.125	1/8	.625	5/8
.188	3/16	.688	11/16
.250	1/4	.750	3/4
.313	5/16	.813	13/16
.375	3/8	.875	7/8
.438	7/16	.938	15/16
.500	1/2	1.00	1

## SERVICE AND REPLACEMENT PARTS

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When ordering replacement parts or making service inquiries, know the Model and Serial numbers of your unit and engine.

Numbers are located on the product registration card in the unit literature package. They are printed on a serial number label, located on the frame of your unit.

- Record Unit Model and Serial numbers here:

- Record Engine Model and Serial numbers here:

## UNAUTHORIZED REPLACEMENT PARTS

Use only Gravelly replacement parts. The replacement of any part on this vehicle with anything other than an Gravelly authorized replacement part may adversely affect the performance, durability, or safety of this unit and may void the warranty. Gravelly disclaims liability for any claims or damages, whether warranty, property damage, personal injury or death arising out of the use of unauthorized replacement parts.

## PRODUCT REGISTRATION

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The Gravelly dealer must register the product at the time of purchase. Registering the product will help the company process warranty claims or contact you with the latest service information. All claims meeting requirements during the limited warranty period will be honored, whether or not the product registration card is returned. Keep a proof of purchase if you do not register your unit.

**Customer Note:** If Dealer does not register your product, please fill out, sign and return the product registration card to Gravelly.

## YOUR SATISFACTION IS IMPORTANT

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**Questions? Please follow these helpful steps:**

1. Refer to the manuals supplied with your unit.  
They will guide you through safe and proper operation and maintenance.  
They contain specifications on your unit.  
If your questions are not answered in these manuals, go to step number two.
2. Contact Your Dealer.  
Our dealers will be happy to supply any service or advice required to keep your unit operating at peak efficiency.  
A factory trained staff is available to support your equipment needs. They stock genuine Gravelly parts and lubricants manufactured with the same precision and skill as the original.  
If your questions are not resolved by the support staff, ask for the manager or owner.  
When contacting your Dealer supply your model and serial numbers.

## TO SPEED PARTS ORDERING:

1. Know the model and serial numbers of your unit.
2. Know the part number required.
3. Know the quantity required.
4. Know the part description.

# MODELS

927062 (1232)  
12 H.P. 32" Hydro  
Serial No. 000101 and up

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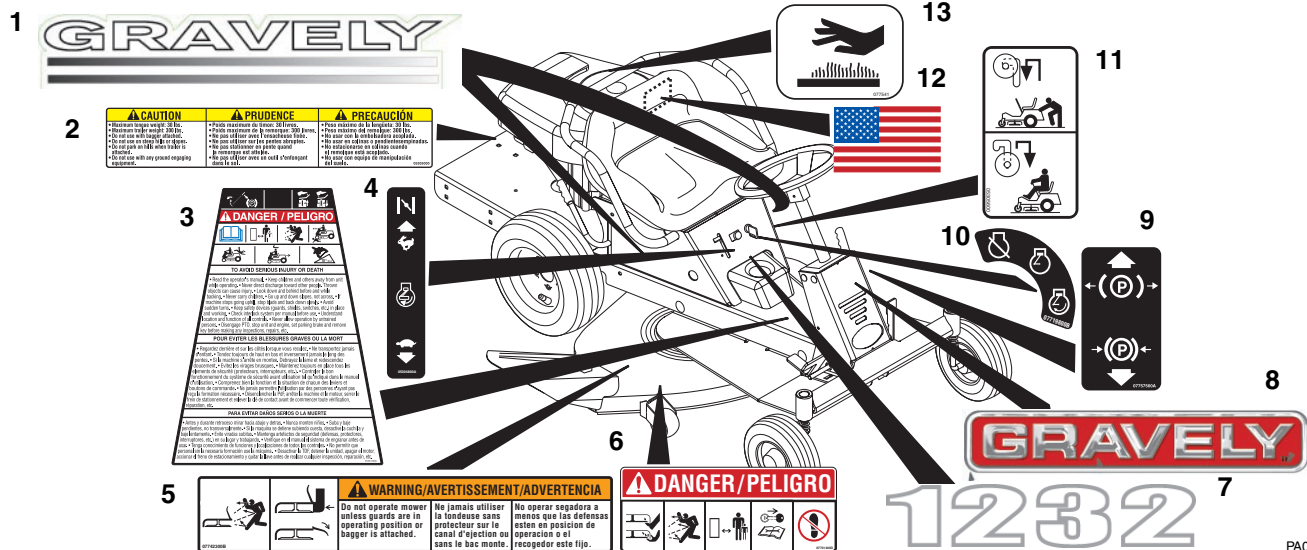
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# DECALS

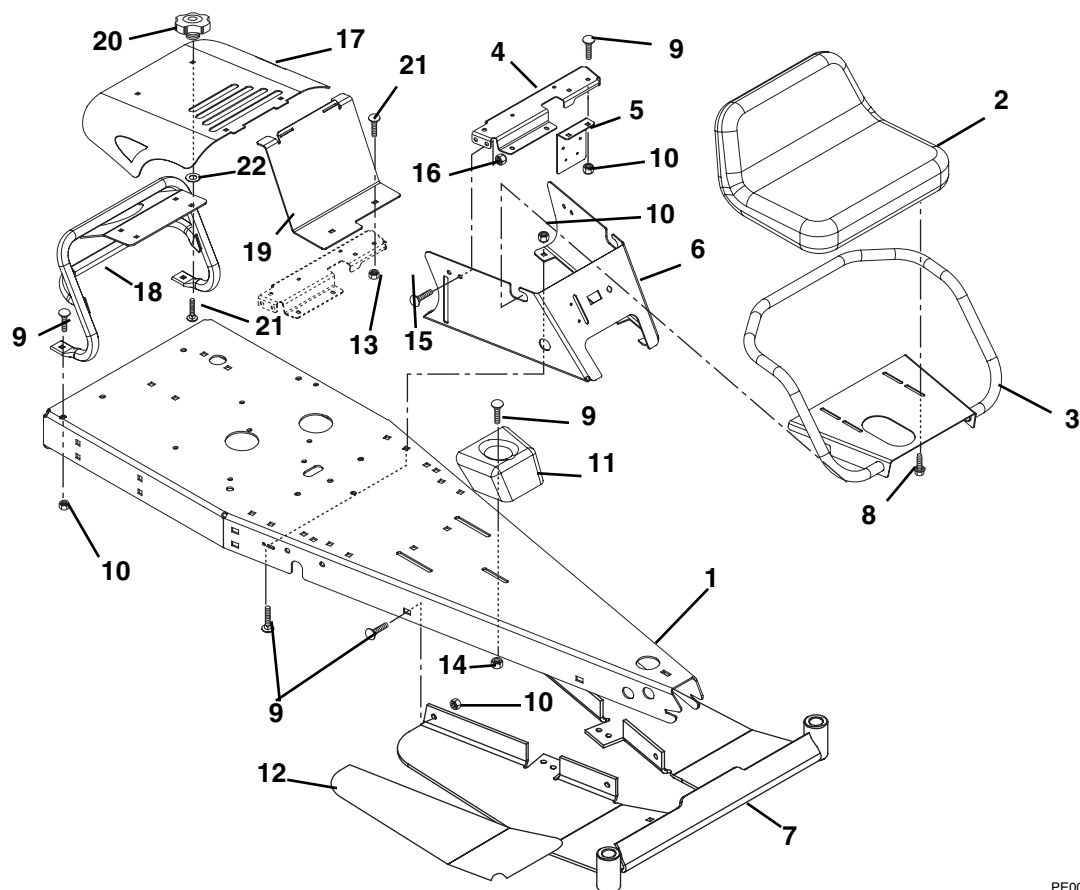


Item	Part No.	Qty.	Description
1	05301900	2	Decal, Gravely ZT
2	05305000	1	Decal, Trailer Hitch
3	05301600	1	Decal, Rear Engine Rider Warning
4	05304800	1	Decal, Throttle
5	07742300	1	Decal, Warning
6	07731400	2	Decal, Mower Pan Danger
7	05303600	2	Decal, Rear Engine Rider Gravely 1232
8	05223900	1	Decal, Gravely
9	07757500	1	Decal, Parking Brake Lever
10	07719800	1	Decal, Ignition
11	05305600	1	Decal, Transmission Disconnect
12	05305100	1	Decal, American Flag
13	07754100	1	Decal, Hot Surface

PA0290

# FRAME, HOOD AND SEAT

Model 927062

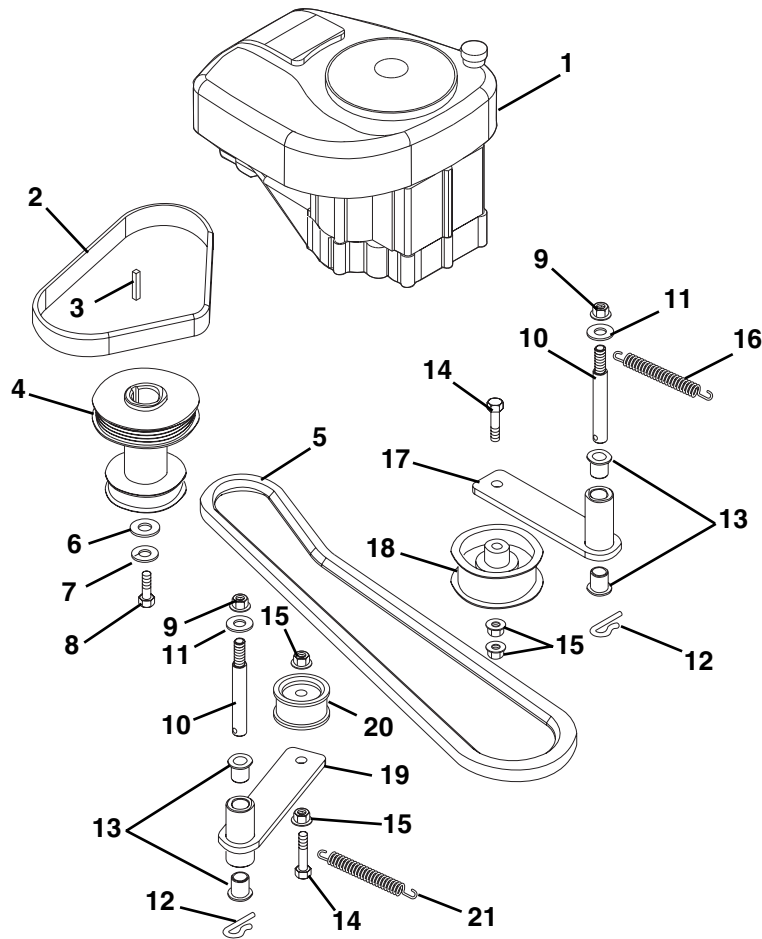


PE0010

Item	Part No.	Qty.	Description
1	02760151	1	Frame
2	02755200	1	Seat V-1300 Low Weltless
3	02760551	1	Weldment, Seat Mount/Bar
4	02764451	1	Reinforcement, Seat Support
5	02766151	1	Panel, Solenoid Mounting
6	02760353	1	Seat Support
7	02760253	1	Weldment, Footrest
8	07049600	4	Bolt, Serrated Hex Flange Washer Head .312-18 x .75
9	06227000	19	Bolt, Round Head Square Neck .31-18 x .75 Grade 5
10	06544500	19	Nut, Top LockNut Locking Top Flange .38-16
11	02768500	1	Cupholder
12	02771700	1	Grip, Rear Engine Rider Footrest Left Hand
	02771800	1	Grip, Rear Engine Rider Footrest Right Hand
13	06544400	2	Nut, Locking Top Flange .31-18
14	06530400	1	Nut, Spin Lock Flange .312-18
15	06114400	4	Screw, Machine .25-20 x .75
16	07009000	4	Nut, Retainer .25-20 x .56
17	02771453	1	Engine, Hood
18	02771651	1	Weldment Tube
19	02771551	1	Bracket, Hood Support
20	07534800	2	Knob, Clamping .31-18 Nyloc
21	06221800	4	Bolt, Round Head Square Neck .31-18 x 1.00
22	040380	2	Nut, Push .312

# ENGINE

Model 927062

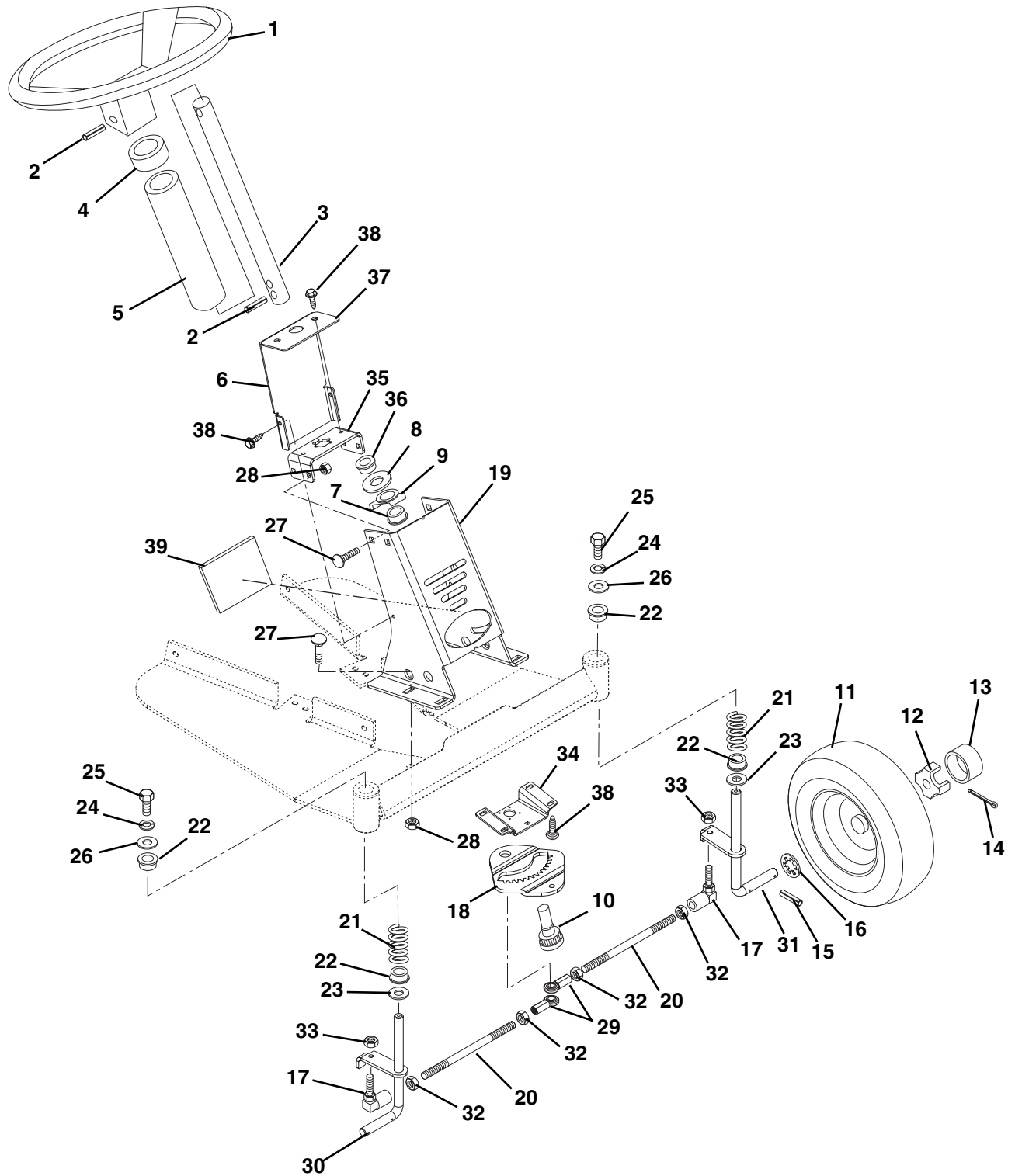


PA0320

Item	Part No.	Qty.	Description
1	52710400	1	Group, Engine 12HP Intek
2	07240600	1	Belt, Poly V (Hydro)
3	06601800	1	Key, Straight .25 x 1.75 x .25
4	02764900	1	Pulley Drive (Hydro)
5	02768100	1	Belt, PTO
6	06443500	1	Washer, Flat Steel .463 x 1.375 x .25
7	06309300	1	Washer, Locking .44 x .109 Regular
8	05967500	1	Bolt, Hex .44-20 x 1.75 Grade 5
9	06535800	6	Nut, Locking Top Flange .38-16
10	03622900	2	Shoulder Stud
11	06435700	2	Washer, Flat Steel .38 x .875 x .083
12	06944800	2	Clip, Spring
13	02771900	4	Bushing, .625 x .50 x .75
14	05958000	2	Bolt, Hex .38-16 x 1.25 Grade 5
15	06544500	1	Nut, Locking Top Flange .38-16
16	08311000	1	Spring, Tension .08 x .687 x 5.16
17	02773100	1	Bracket, PTO Idler
18	07318400	1	Sheave 3.25 x 1.25
19	02773000	1	Bracket, Poly-V Idler
20	07326500	1	Idler, Flat 1.875 O.D. x .75
21	08537800	1	Spring, Extension

# STEERING AND FRONT WHEELS

Model 927062



PA0240

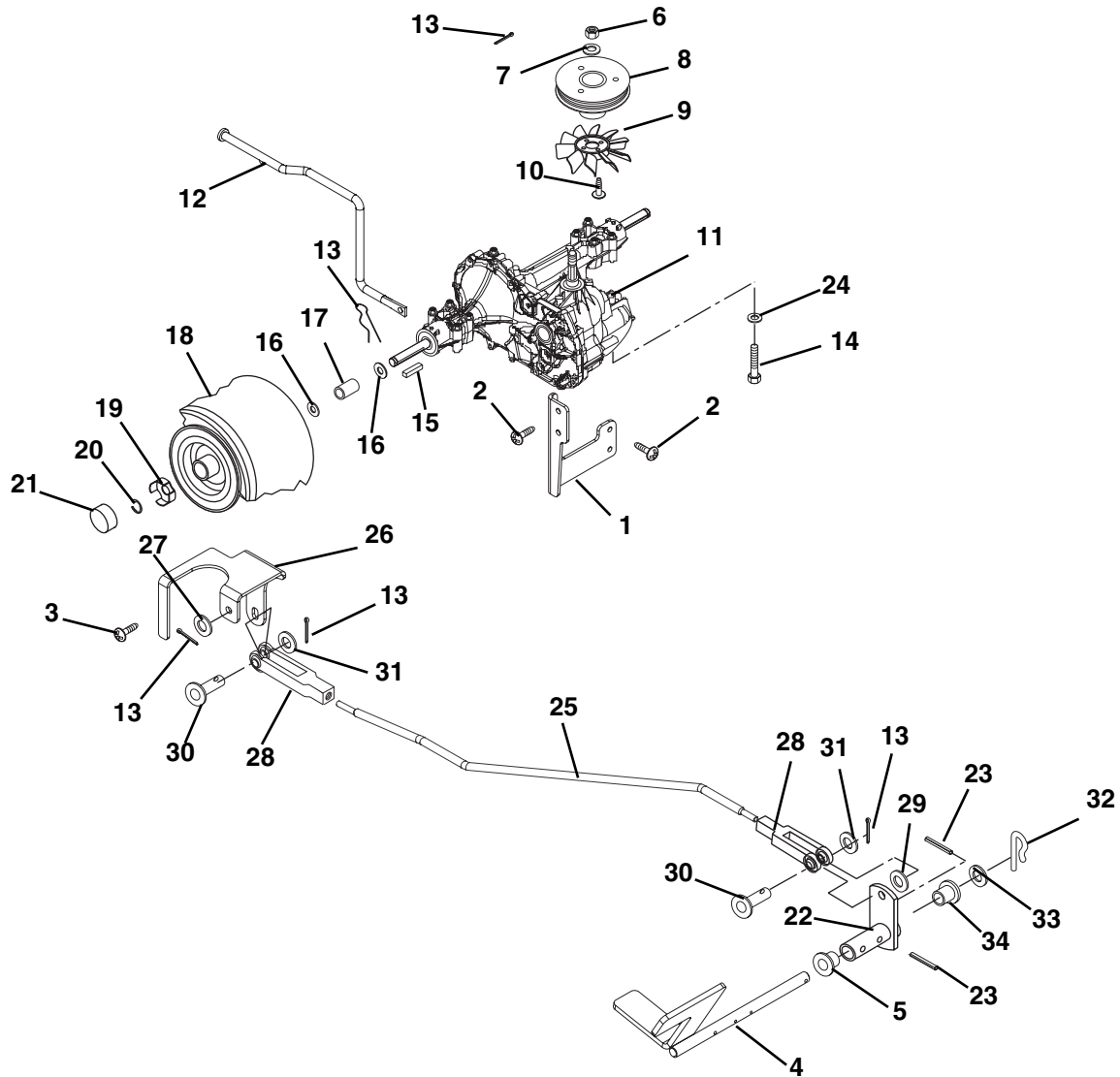
# STEERING AND FRONT WHEELS

Model 927062

Item	Part No.	Qty.	Description
1	02753700	1	Steering Wheel 13 Inch
2	05803700	1	Pin, Roll .25 x 1.75
3	02749100	1	Steering Shaft
4	07503700	1	Plug
5	02753800	1	Tube
6	05801600	2	Pin, Roll .188 x 1.00
7	05505300	1	Bushing, Flange .625 x 1.156 x .375
8	06418100	1	Washer, Hardened Steel .515 x .97 x .062
9	01310000	1	Retaining Plate1
10	02705400	1	Pinion
11	07126400	2	Tire/Wheel Assembly
	07108000	2	Tire 4.10/3.50 - 4
	05505800	4	Bushing, Flange .75 x 1.38 x .75 x 1.557
	07123100	2	Wheel
12	01238200	2	Spindle Cup
13	036202	2	Hub Cap
14	06707100	4	Pin, Cotter .12 x 1.00
15	036038	1	Pin, Groove .25 x 1.25
16	02512000	2	Spindle Washer
17	02917100	2	Ball Joint
18	02761300	1	Steering Gear
19	02760400	1	Box, Steering
20	02765700	2	Steering Link
21	02765800	2	Spring, Suspension
22	01591100	4	Bushing 1.00 x .75 x 1.00
23	06439000	4	Washer, Flat Steel .812 x 1.50 x .135
24	06308600	2	Washer, Locking .31 x .078 Regular
25	05947000	2	Bolt, Hex .31-18 x .75 Grade 5
26	06439700	2	Washer, Flat Steel .344 x 1.38 x .075
27	06227000	8	Bolt, Round Head Square Neck .38-16 x .75 Grade 5
28	06544500	8	Nut, Locking Top Flange .38-16
29	044753	2	Rod End, .38 Right Hand
30	02765900	1	Weldment, Spindle Right Hand
31	02766000	1	Weldment, Spindle Left Hand
32	06539700	4	Nut, Locking Center .875-9
33	06538800	2	Nut, Locking Nylon .375-24 With Insert
34	02761451	1	Steering Gear Support
35	02771200	1	Bracket, Steering Column
36	036046	1	Bushing, Flange
37	02760600	1	Support, Steering Column
38	07414900	4	Screw, Tapping 10-24 x .375 TORX Pan Head
39		1	Plate, Cover

# REAR WHEEL AND HYDRO DRIVE

Model 927062



PA0300

Item	Part No.	Qty.	Description
1	02761200	1	Transmission Support, Rear Engine Rider Hydro
2	07415400	2	Screw, Tapping .38-16 x .75 Hex Washer Head
3	07411500	4	Screw, Tapping .31-18 x .50 Hex Washer Head
4	02761600	1	Weldment, Forward and Reverse Pedal
5	05520600	1	Bushing, Flange .502 x 1 x .75
6	06539500	1	Nut, Jam .50-20 Grade 2
7	06307300	1	Washer, Lock .50 x .125 Reg.
8	02765000	1	Pulley, Transmission
9	02772600	1	Fan, 6 Inch
10	07406900	3	Screw, Tapping 10-24 x .484



# REAR WHEEL AND HYDRO DRIVE

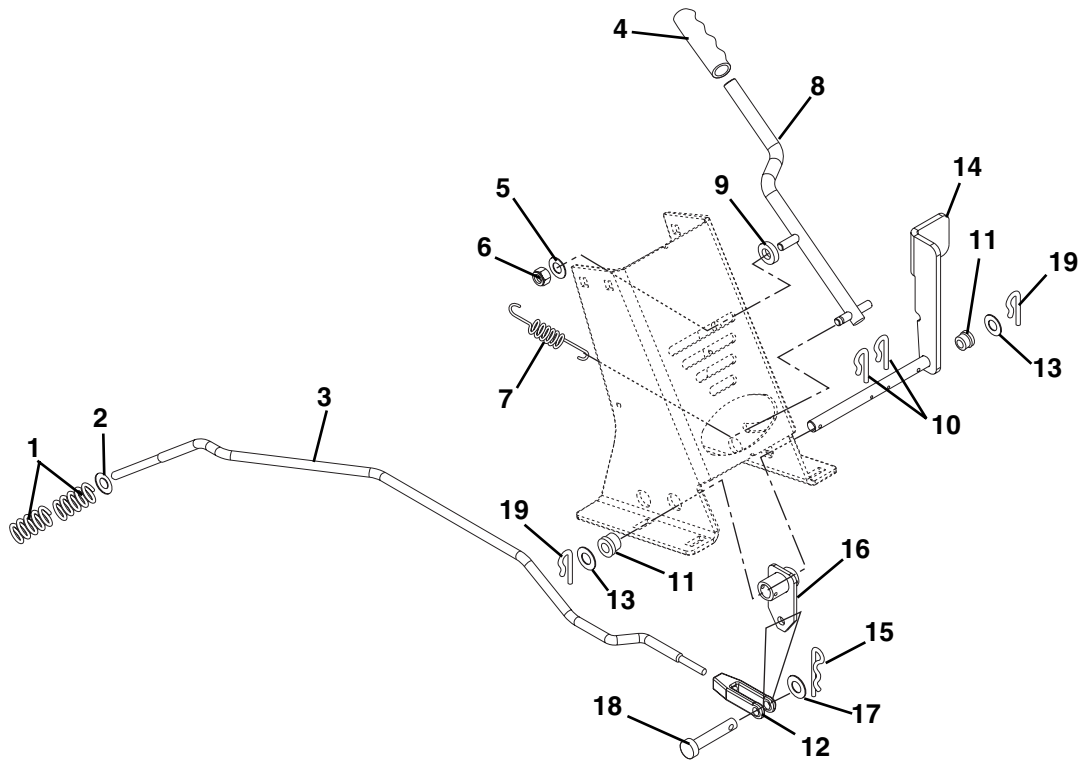
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Model 927062

Item	Part No.	Qty.	Description
11	03693200	1	Transaxle, Hydro
12	02764800	1	Rod, Transmission Disconnect
13	06714800	2	Pin, Hair
14	05960600	4	Bolt, Hex .31-18 x 2.75 Grade 5
15	036282	2	Key, Square .188 x 2.0 x .188
16	06441500	4	Washer, Flat Steel .755 x 1.375 x .062
17	02765400	2	Spacer, Wheel .75 x 1.00 x 1.25
18	02765300	2	Assembly, Tire and Wheel 16 x 6.5 x 8
	039653	2	Tire 16 x 6.50-8 2 Pulley
19	036277	2	Spindle Cup
20	036278	2	Ring, Retaining External .75 x .05
21	036202	2	Hub Cap
22	02761700	1	Weldment, Shift Rod and Hub
23	06714500	2	Pin, Spring Clip
24	06437200	1	Washer, Flat Steel .344 x .688 x .065
25	02764500	1	Rod, Shift Rear Engine Rider Hydro
26	02761951	1	Bracket, Shift Rod
27	06436200	1	Washer, Flat Steel .406 x .812 x .065
28	034633	2	Yoke .31-24 x 2.250
29	06444300	1	Washer, Flat Steel .390 x .750 x .125
30	06811800	2	Pin, Clevis .31 x .822
31	06439100	2	Washer, Flat Steel .38 x .87 x .179
32	06944800	2	Clip, Spring
33	06441100	7	Washer, Flat Steel .52 x .827 x .062
34	034738	1	Bushing, Flange .515 x .75 x .745 x 1.00

# BRAKE SYSTEM

Model 927062

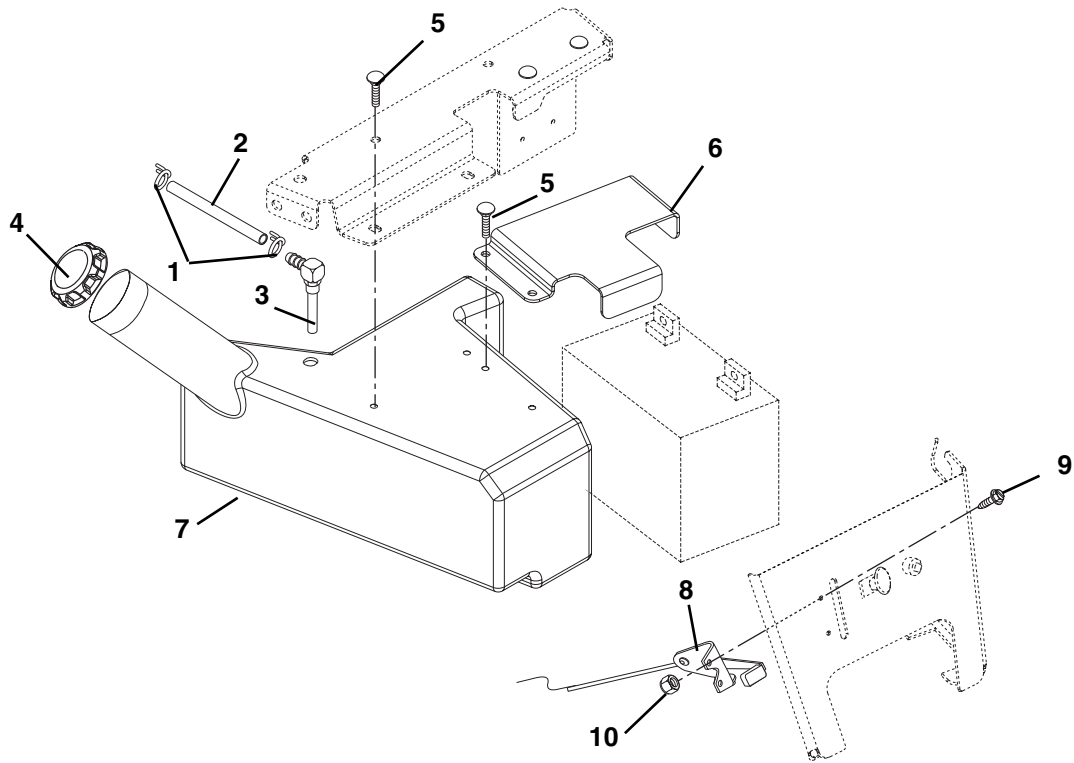


PA0340

Item	Part No.	Qty.	Description
1	08313100	2	Spring, Compression .063 x .53 x 1.19
2	06444300	1	Washer, Flat Steel .39 x .75 x .125
3	02764600	1	Rod, Brake Rear Engine Rider Hydro
4	07527500	1	Grip
5	06435700	1	Washer, Flat Steel .38 x .875 x .083
6	06544500	1	Nut, Locking Top Flange .38-16
7	08330300	1	Spring, Tension .048 x .44 x 2.12
8	02762000	1	Weldment, Parking Brake
9	05515800	1	Bushing, Flange .406 x .88 x .27 x .140 Grade 2
10	06714500	1	Pin, Spring Clip
11	05521100	2	Bushing, Flange .515 x .75 x .745 x 1.00 Nylon
12	07014700	1	Yoke, .312-24 x 2.25
13	06439200	2	Washer, Flat Steel .505 x 1.00 x .062
14	02761800	1	Weldment, Brake Pedal
15	06714800	1	Pin, Hair
16	02762100	1	Brake Rod Arm and Hub
17	06439100	1	Washer, Flat Steel .38 x .87 x .179
18	06811800	1	Pin, Clevis .312 x .822
19	06944800	2	Clip, Spring

# GAS TANKS

Model 927062

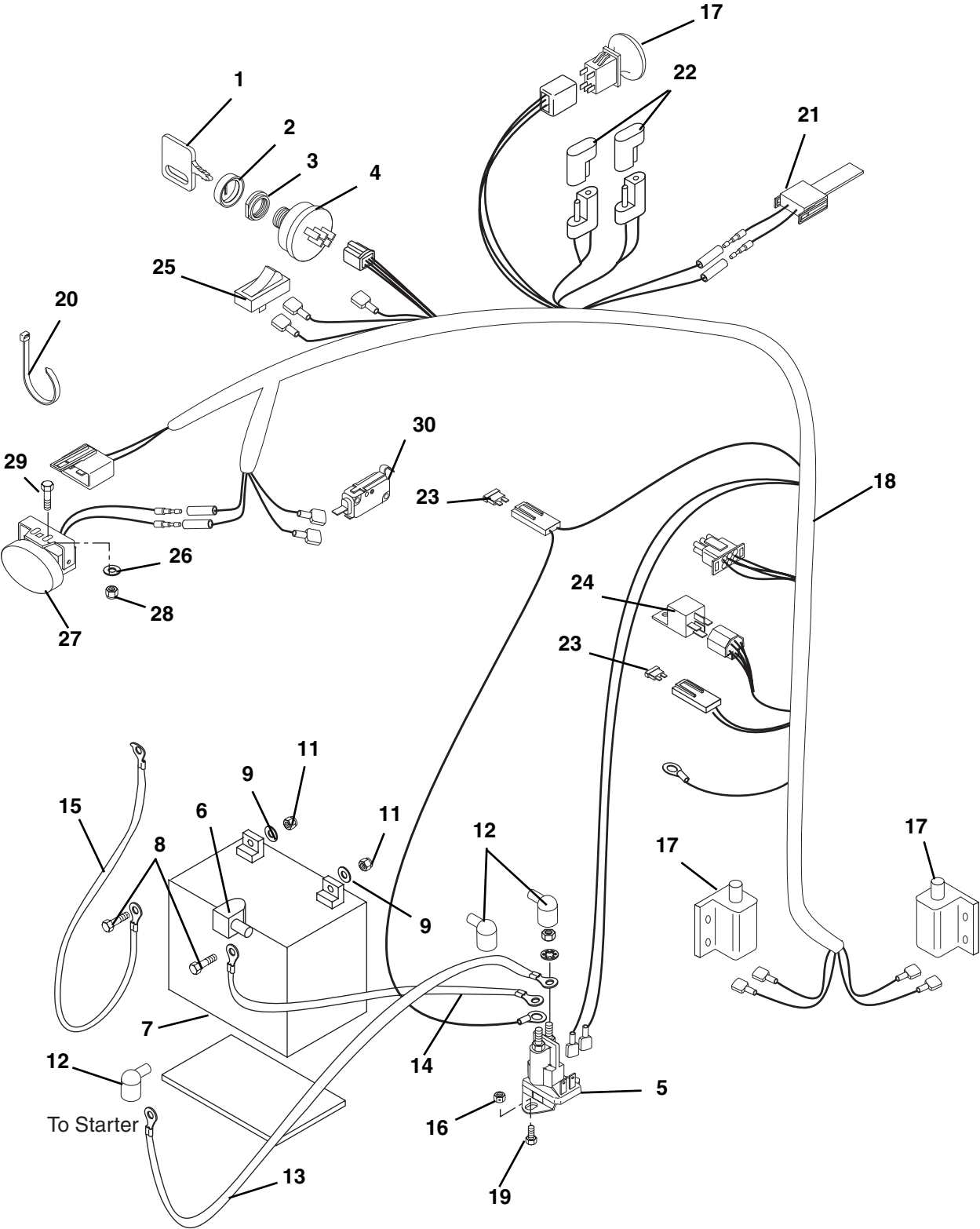


PA0350

Item	Part No.	Qty.	Description
1	06939100	2	Clamp, Hose Wire .490/.510 x .116
2	021134	1	Gas Line, Bulk 1/4" I.D.
3	03606500	1	Fitting, Tank
4	01538400	1	Fuel Cap
5	05946800	4	Bolt, Hex .25-20 x .75 Grade 5
6	02771351	1	Bracket, Battery
7	02765100	1	Tank, Fuel
8	06942200	1	Cable, Throttle 19.5
9	06116700	2	Screw, Machine 10-24 x .50 Hex Washer Head
10	06536000	2	Nut, Locking Nylon 10-24 with Insertg

# ELECTRICAL SYSTEM

Model 927062



PA0281

# ELECTRICAL SYSTEM

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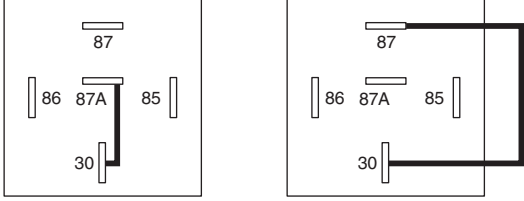
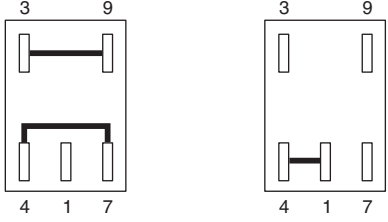
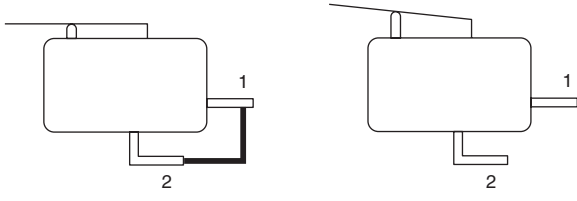

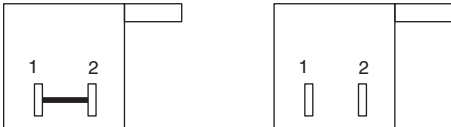
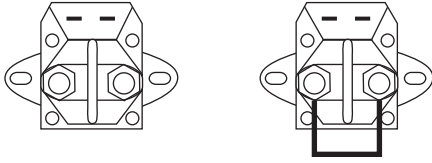
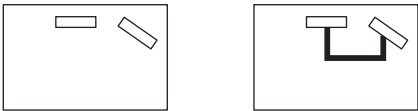
Model 927062

Item	Part No.	Qty.	Description
1	02460700	1	Key with Cap
2	045490	1	Cap, Ignition Switch
3	045489	1	Nut, Panel .625-32
4	01563700	1	Key Switch
5	03679000	1	Solenoid
6	039619	1	Insulator
7	01554800	1	Battery, Filled
8	05946800	2	Bolt, Hex .25-20 x .75 Grade 5
9	06437300	2	Washer, Flat Steel .281 x .62 x .065
10	06308400	2	Washer, Locking .25 x .062 Regular
11	06533200	2	Nut, Hex .25-20
12	07533200	3	Boot, Eyelet Terminal
13	02743300	1	Cable, Positive Battery
14	02727200	1	Starter Cable 13"
15	02727900	1	Starter Cable 16"
16	06530400	1	Nut, Spin Lock Flange .312-18
17	01545600	1	Switch, Clutch With Retainer
18	02765600	1	Harness, Rear Engine Rider
19	07412100	2	Screw, Tapping 10-24 x .375 Hex Washer Head
20	07517300	1	Cable Tie
21	036121	1	Switch, Seat
22	03081700	2	Molded Diode Plug 1 AMP
23	09351100	1	Fuse, 25 AMP
24	040216	1	Relay
25	03656800	1	Switch, Light
26	06439100	2	Washer, Flat Steel .38 x .87 x .179
27	01588200	1	Light
28	06543100	2	Nut, Locking Top Flange .31-18
29	06216100	2	Bolt, Round Head Square Neck .31-18 x 1.00 Grade 5
30	046823	1	Switch

# CONTINUITY DIAGRAM

## Model 927062

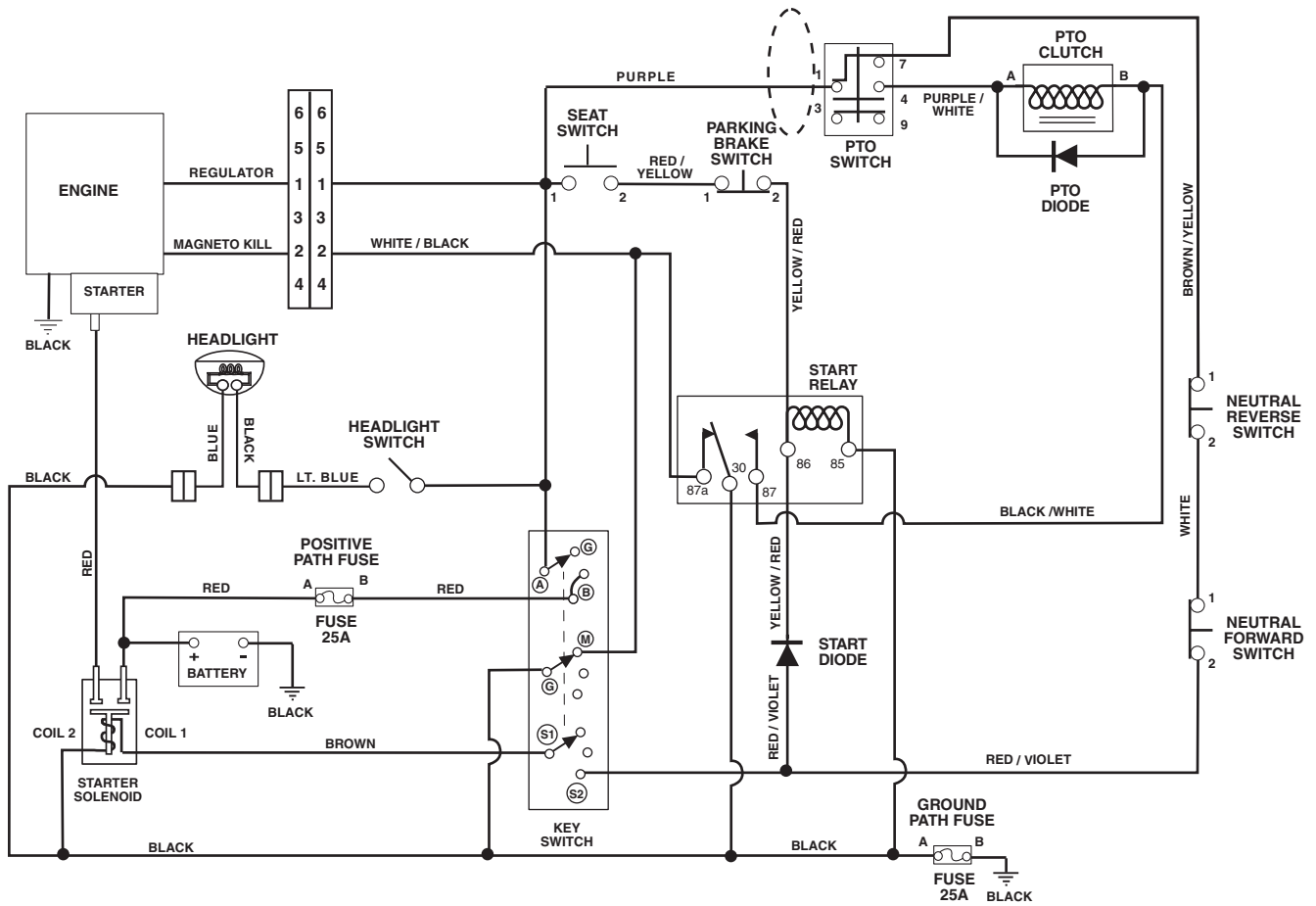
The diagrams below show the various states of connection for electrical components.  
 The solid lines on switches show continuity.  
 NOTE: All switches are viewed from the rear.

<p><b>Key Switch</b> (01563700)</p>  <p style="text-align: center;">OFF                  RUN                  START</p>	<p><b>Relay</b> (03042800)</p>  <p style="text-align: center;">NOT ENERGIZED                  ENERGIZED</p>
<p><b>PTO Switch</b> (01545600)</p>  <p style="text-align: center;">DISENGAGED (down position)                  ENGAGED (up position)</p>	<p><b>Parking Brake Switch</b> (08828300)</p>  <p style="text-align: center;">PARKING BRAKE ON                  PARKING BRAKE OFF</p>
<p><b>Seat Switch</b> (03171600)</p>  <p style="text-align: center;">OPERATOR OFF SEAT                  OPERATOR ON SEAT</p>	<p><b>Neutral Switch</b> (03095700)</p>  <p style="text-align: center;">BUTTON UP                  BUTTON DOWN</p>
<p><b>Solenoid</b> (03679000)</p>  <p style="text-align: center;">NOT ENERGIZED                  ENERGIZED</p>	<p><b>Light Switch</b> (03656800)</p>  <p style="text-align: center;">OFF                  ON</p>

PA0260

# WIRING DIAGRAM

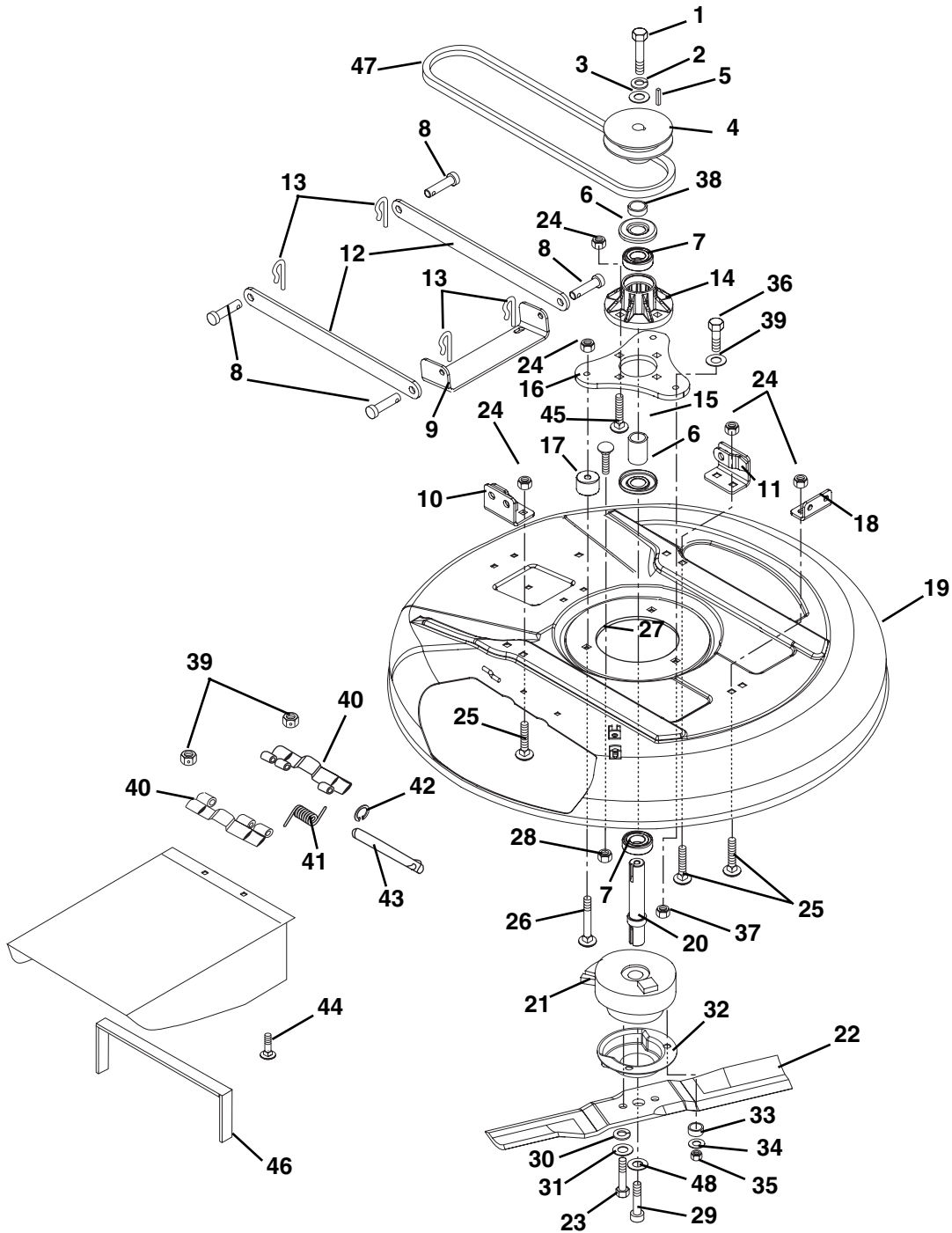
Model 927062



PA0270

# 32" DECKS, IDLERS AND BLADES

Model 927062



PE0090

Item	Part No.	Qty.	Description
1	05974500	1	Bolt-Hex .38-16 x 1.00 Grade 8 with Epoxy Patch
2	06306500	1	Washer, Locking .375 x .115 Heavy
3	06442400	1	Washer, Flat Steel .406 x 1.375 x .135
4	01593700	1	Sheave, Spindle- 4.75 Diameter
5	06611100	1	Key, Square .25 x .38 x .25
6	01572700	2	Bearing, Slinger



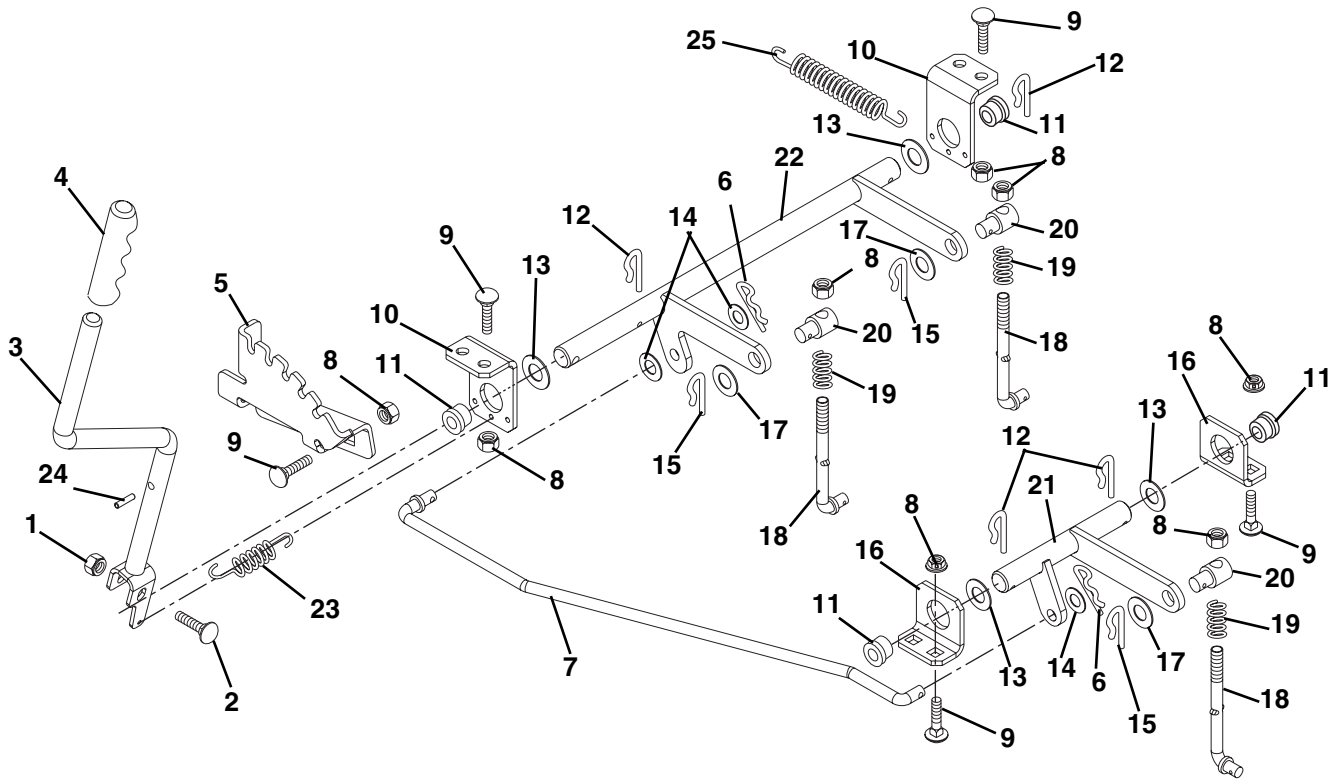
# 32" DECKS, IDLERS AND BLADES

Model 927062

Item	Part No.	Qty.	Description
7	032050	2	Bearing, Ball 1.00 x 2.00 x .56
8	036568	4	Clevis Pin, .491/.496 x 1.25
9	02766251	1	Bracket, Rear Hanger 32"
10	02763751	1	Bracket, Deck Link Right Hand
11	02763851	1	Weldment, Deck Link Left Hand
12	02764351	2	Link Stabilizer 32 Decks
13	06944800	4	Clip, Spring
14	62727400	1	Assembly, Spindle Housing
15	01590500	1	Spacer, 1.00 x 1.25 x 1.60
16	02764251	1	Spindle, Mount Plate
17	02763100	3	Spacer, Mounting Plate
18	02766351	1	Bracket, Front Hanger 32"
19	02764100	1	Deck 32"
20	02774300	1	Shaft, 32" Input
21	02763200	1	Clutch, 32" Decks
22	02774500	1	Blade, 32" Mower
23	05979600	2	Bolt, Hex M10 x 1.25 x 30
24	06544500	13	Nut, Locking-Top-Flange .38-16
25	06227000	8	Bolt-Round Head Square Neck .38-16 x .75 Grade 5
26	06226800	1	Bolt-Round Head Square Neck .38-16 x 2.25 Grade 5
27	06212100	1	Bolt-Round Head Square Neck .31-18 x 1.50 Grade 5
28	06530400	1	Nut, Spin Lock Flange .312-18
29	05979800	1	Bolt, Button Head .50 x 1.25-20
30	06304600	2	Washer, Locking Metric 10 MM
31	06444000	2	Washer, Flat Steel .406 x 1.00 x .188
32	02774600	1	Shield, Debris
33	00520100	2	Bushing, Bronze .75 I.D. x .88 O.D. x .50 Long
34	06435700	4	Washer, Flat Steel .38 x .875 x .083
35	06535800	2	Nut-Locking-Nylon .38-16
36	05958300	2	Bolt-Hex .38-16 x 3.00 Grade 5
37	06534900	2	Nut-Flange .375-16
38	022501	1	Spacer Steel 1.01 x 1.38 x .509
39	06527600	4	Nut-Locking-Center .25-20
40	02709500	2	Hinge Plate
41	08318500	1	Spring-Torsion .09 x .37 x .63
42	05706300	1	Ring-Retaining-External .312 x .025
43	03624200	1	Pin
44	06219900	4	Bolt-Round Head Square Neck .25-20 x .75 Grade 5
45	06224100	4	Bolt-Round Head Square Neck .38-16 x 1.25 Grade 5
46	00910400	2	Trim Bulk 0125
47	07242200	1	Belt, Zoom Sport PTO
48	06447700	1	Washer, Flat Steel .50 x 1.75 x .187

# DECK LIFT

Model 927062



PA0330

Item	Part No.	Qty.	Description
1	06544400	1	Nut-Locking-Top-Flange .31-18
2	06212100	1	Bolt-Round Head Square Neck .31-18 x 1.50 Grade 5
3	02762451	1	Weldment-Lift Handle
4	07527500	1	Grip
5	02762300	1	Detent Plate
6	06714800	2	Pin, Hair
7	02762900	1	Lift Link
8	06544500	11	Nut-Locking-Top-Flange .38-16
9	06227000	8	Bolt-Round Head Square Neck .38-16 x .75 Grade 5
10	02762800	2	Bracket, Lift
11	05503900	4	Bushing-Flange .75 x 1.00 x .625 x 1.25
12	06714500	4	Pin, Spring Clip
13	06442000	4	Washer, Flat Steel .563 x 1.38 x .109
14	06436200	3	Washer, Flat Steel .406 x .812 x .065
15	06944800	3	Clip, Spring
16	02762700	2	Bracket, Deck Pivot
17	06439200	3	Washer, Flat Steel .505 x 1.00 x .062
18	02759900	3	Rod, Link
19	039611	3	Spring-Compression .063 x .53 x 1.187
20	01582300	3	Trunnion
21	02762500	1	Weldment, Front Lift
22	02762600	1	Weldment, Lift
23	08333900	1	Spring, Extension
24	05800900	1	Pin-Roll .125 x 1.00
25	08311000	1	Spring-Tension .08 x .687 x 5.16



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