

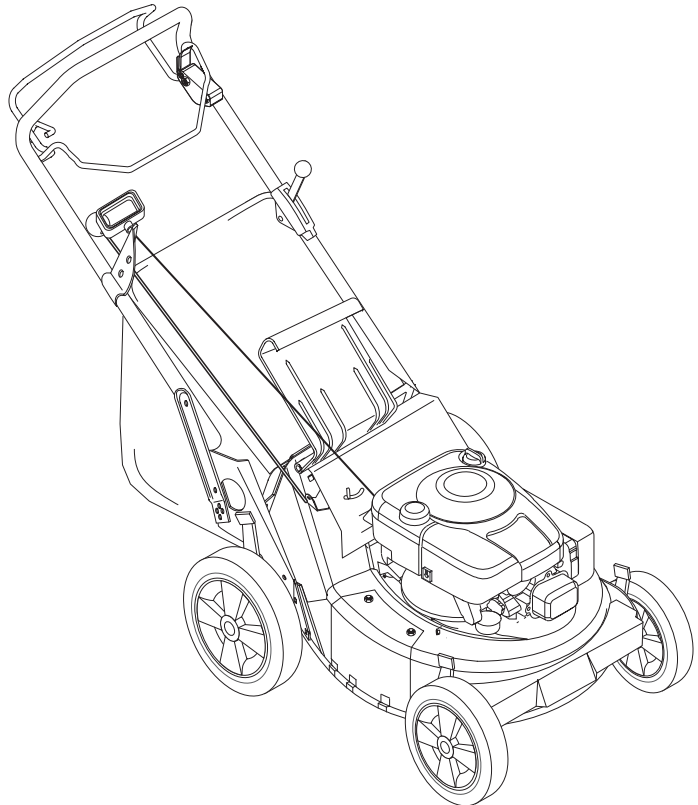


# Walk-Behind Lawn Mowers®

## Parts Manual

### Models

911086 - LM21  
911087 - LM21S  
911513 - LM21  
911514 - LM21S  
911515 - LM21SE  
911522 - LM21SB  
911525 - LM21SW  
911526 - LM21SC



## 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 Ariens replacement parts. The replacement of any part on this vehicle with anything other than an Ariens authorized replacement part may adversely affect the performance, durability, or safety of this unit and may void the warranty. Ariens 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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A warranty registration card must be filled out, signed, and returned at time of purchase. This card activates the warranty. Claims meeting requirements during limited warranty period will be honored.

## 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 Ariens 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

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### **Model 911086 (LM21)**

4 Cycle-Briggs & Stratton Quantum 6.5HP  
Recoil, Push  
Serial No. 000101 and up

### **Model 911087 (LM21S)**

4 Cycle-Briggs & Stratton Quantum 6.5HP  
Recoil, Self-Propelled  
Serial No. 000101 and up

### **Model 911513 (LM21)**

4 Cycle-Briggs & Stratton Intek OHV 6.75 HP  
Recoil, Push  
Serial No. 004000 and up

### **Model 911514 (LM21S)**

4 Cycle-Briggs & Stratton Intek OHV 6.75 HP  
Recoil, Self-Propelled  
Serial No. 014800 and up

### **Model 911515 (LM21SE)**

4 Cycle-Briggs & Stratton Intek OHV 6.75 HP  
Electric, Self-Propelled  
Serial No. 004000 and up

### **Model 911522 (LM21SB)**

4 Cycle-Briggs & Stratton Intek OHV 6.75 HP  
Recoil, Self-Propelled  
Serial No. 002000 and up

### **Model 911525 (LM21SW)**

4 Cycle-Briggs & Stratton Intek OHV 6.75 HP  
Recoil, Self-Propelled, Swivel  
Serial No. 000101 and up

### **Model 911526 (LM21SC)**

4 Cycle-Briggs & Stratton Intek Pro 6.75HP  
Recoil, Self-Propelled, Commercial  
Serial No. 000101 and up

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### DECALS

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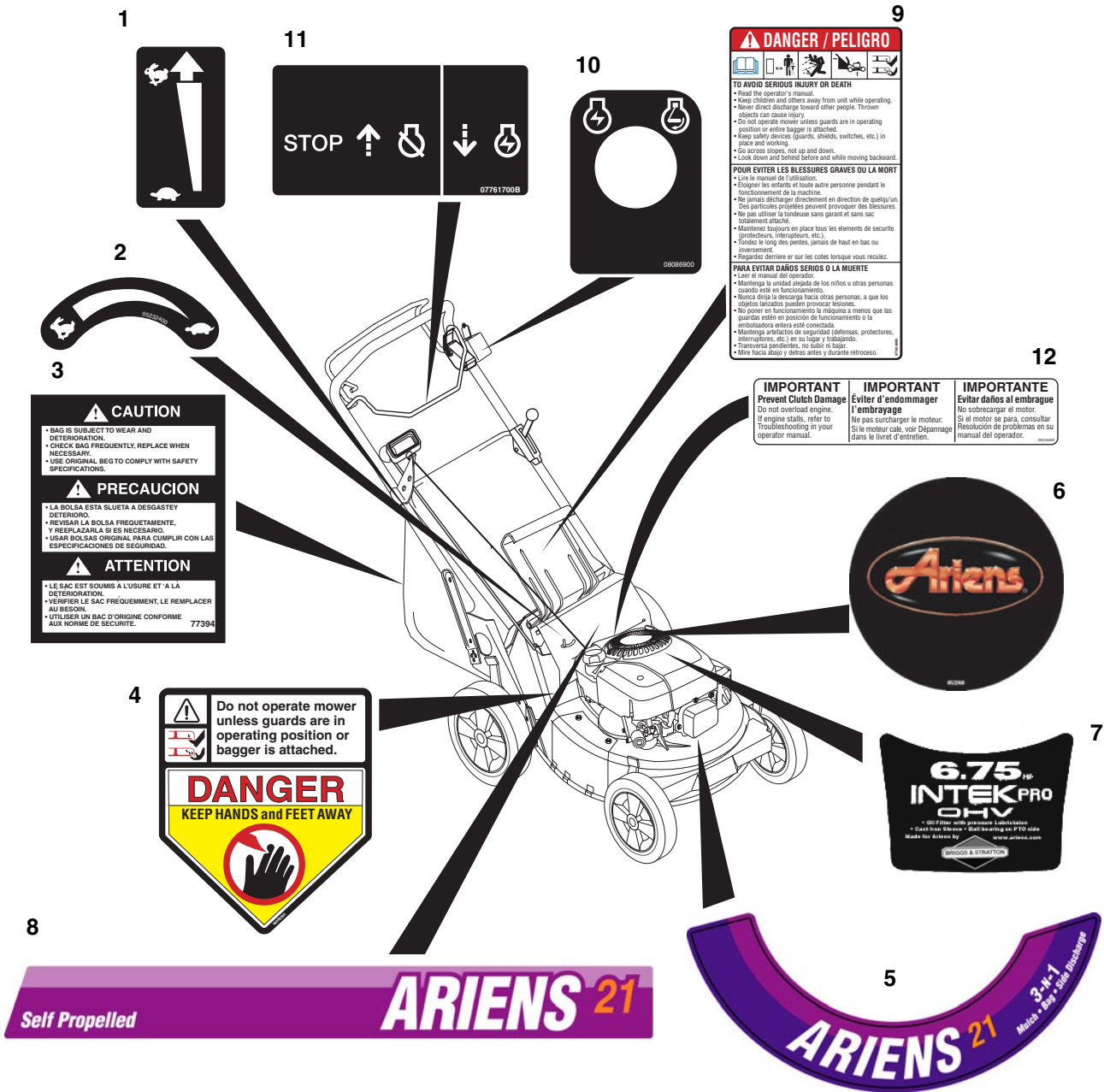
### ELECTRICAL

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# DECALS

Model 911086, 087, 513, 514, 515, 522, 525, 526



**CAUTION**

- BAG IS SUBJECT TO WEAR AND DETERIORATION.
- CHECK BAG FREQUENTLY. REPLACE WHEN NECESSARY.
- USE ORIGINAL BAG TO COMPLY WITH SAFETY SPECIFICATIONS.

**PRECAUCION**

- LA BOLSA ESTA SUJETA A DESGASTO Y DETERIORO.
- REVISAR LA BOLSA FRECUENTEMENTE, Y REEMPLAZARLA SI ES NECESARIO.
- USAR BOLSA ORIGINAL PARA CUMPLIR CON LAS ESPECIFICACIONES DE SEGURIDAD.

**ATTENTION**

- LE SAC EST SOUMIS A L'USURE ET A LA DETERIORATION.
- VERIFIER LE SAC FREQUEMMENT, LE REMPLACER AU BESOIN.
- UTILISER UN SAC D'ORIGINE CONFORME AUX NORMES DE SECURITE.

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**DANGER / PELIGRO**

**TO AVOID SERIOUS INJURY OR DEATH**

- Read the operator's manual.
- Keep children and others away from unit while operating.
- Never direct discharge toward other people. Thrown objects can cause injury.
- Do not operate mower unless guards are in operating position on entire bagger is attached.
- Keep safety devices (guards, shields, switches, etc.) in place and working.
- Go across slopes, not up and down.
- Lock down and behind before and while moving backward.

**POUR EVITER LES BLESSURES GRAVES OUI LA MORT**

- Lire le manuel de l'utilisateur.
- Éloigner les enfants et toute autre personne pendant le fonctionnement de la machine.
- Ne jamais décharger directement en direction de quelqu'un. Des particules projetées peuvent provoquer des blessures.
- Ne pas utiliser la tondeuse sans garantir et sans sac totalement attaché.
- Maintenez toujours en place tous les éléments de sécurité (protecteurs, interrupteurs, etc.).
- Tondez le long des pentes, jamais de haut en bas ou inversement.
- Regardez derrière et sur les cotés lorsque vous reculez.

**PARA EVITAR DAÑOS SERIOS O LA MUERTE**

- Leer el manual del operador.
- Mantenga la unidad alejada de los niños u otras personas cuando está en funcionamiento.
- Nunca dirija la descarga hacia otras personas, a que los objetos lanzados pueden provocar lesiones.
- No poner en funcionamiento la máquina a menos que los guardas estén en posición de funcionamiento o la embolsadora entera esté conectada.
- Mantenga dispositivos de seguridad (defensas, protectores, interruptores, etc.) en su lugar y trabajando.
- Traversee pendientes, no subir ni bajar.
- Mire hacia abajo y detrás antes y durante retroceso.

**IMPORTANT**  
Prevent Clutch Damage  
Do not overload engine.  
If engine stalls, refer to Troubleshooting in your operator manual.

**IMPORTANT**  
Éviter l'endommager l'embrayage  
Ne pas surcharger le moteur.  
Si le moteur cale, voir Dépannage dans le livret d'entretien.

**IMPORTANTE**  
Evitar daños al embrague  
No sobrecargar el motor.  
Si el motor se para, consultar Resolución de problemas en su manual del operador.

# DECALS

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Model 911086, 087, 513, 514, 515, 522, 525, 526

Item	Part No.	Qty.	Description
1	07760700	1	Decal, Speed Control (087, 514, 515, 522, 525, 526)
2	05232400	1	Decal, Turtle & Rabbit (087, 514, 515, 522, 525, 526)
3	07739400	1	Label, Bagger 21"
4	08088300	1	Decal, CPSC Danger
5	08087900	1	Decal, Ariens Deck
6	05225800	1	Decal, Round Ariens Briggs & Stratton
7	05238600	1	Decal, Ariens INTEK Pro 6.75 (526)
	05234800	1	Decal, Ariens and Briggs and Stratton 6.75HP (513-515, 522, 525)
	05238500	1	Decal, Briggs and Stratton Quantum 6.5 (086, 087)
8	08088000	1	Decal, Drive Cover Self Propelled (087, 514, 515, 522, 525)
	08088100	1	Decal, Drive Cover Self Propelled Professional (526)
	05230700	1	Decal, Blade Brake/Clutch Drive Cover (522)
9	07742400	1	Decal, Bilingual Danger
10	08086900	1	Decal, Key Switch (515)
11	07761700	1	Decal, Engine Control
12	05234400	1	Decal, Blade Brake/Clutch Instruction (522)



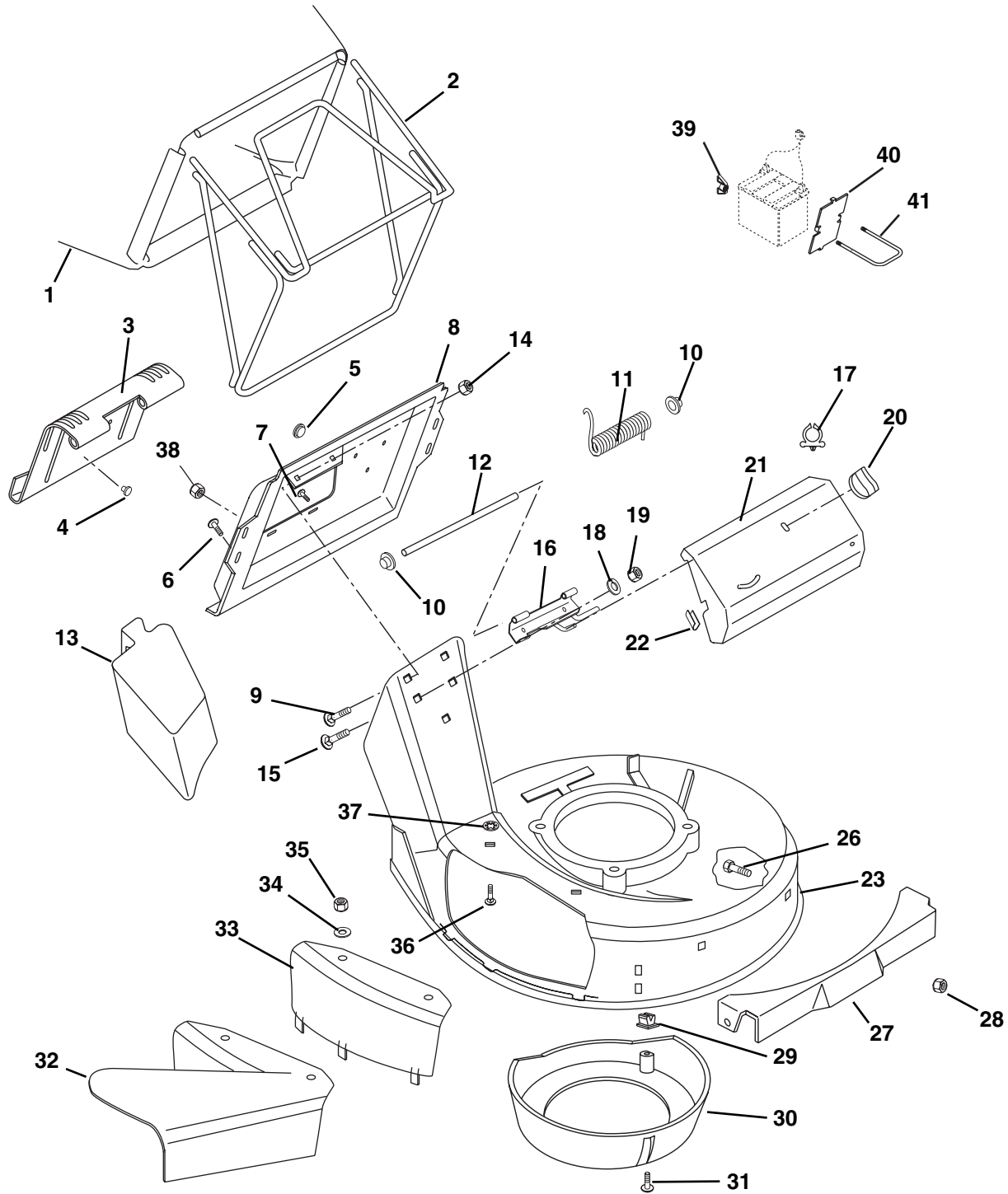
# HANDLEBAR AND CONTROLS

Model 911086, 087, 513-515, 522, 525, 526

Item	Part No.	Qty.	Description
7	06922000	1	Engine Control Cable (086, 087, 513-515, 522, 525)
	06937900	1	Engine Control Cable (526)
8	01156400	1	Switch-Cable Anchor (515)
9	01137551	1	Cable Anchor-Right Hand (087, 514, 515, 522, 525, 526)
10	06220100	2	Bolt-Round Head Square Neck .25-20 x 1.25 (086, 087, 513-515, 525, 526)
	06220100	1	Bolt-Round Head Square Neck .25-20 x 1.25 (522)
11	06529700	5	Nut-Locking-Center .25-20 (087, 514, 515, 522, 525, 526)
	06529700	4	Nut-Locking-Center .25-20 (086, 513, 522)
12	07517300	3	Cable Tie
13	06948800	1	Throttle Cable (526)
	06946400	1	Throttle Cable (522)
	06948100	1	Cable, Lockout Control (525)
14	01141851	1	Brace-Speed Control
15	01137451	1	Bracket-Speed Control
16	01150051	1	Link-Handlebar Adjuster Left Hand (086, 087, 513-515, 522, 525)
	01150151	1	Link-Handlebar Adjuster Right Hand (086, 087, 513-515, 522, 525)
	01158651	2	Handlebar Bracket (526)
17	01178700	6	Washer-Bellville Spring (086, 087, 513-515, 522, 525)
18	05514900	2	Bushing-Flange .325 x .50 x .513 x .875 (086, 087, 513-515, 522, 525)
19	06529800	4	Nut-Locking-Center .31-18
20	06222300	1	Bolt-Round Head Square Neck .25-20 x 1.38
21	06220600	1	Bolt-Round Head Square Neck .25-20 x .50 Grade 5
22	07515900	1	Knob (087, 514, 515, 522, 525, 526)
23	01140800	1	Rod-Speed Control (087, 514, 515, 522, 525, 526)
24	06921200	1	Traction Cable (087, 514, 515, 522, 525, 526)
25	06216100	2	Bolt-Round Head Square Neck .31-18 x 1.00 Grade 5 (086, 087, 513-515, 522, 525)
26	01305900	2	Shoulder Spacer
27	06215700	2	Bolt-Round Head Square Neck .31-18 x .75 Grade 5 (086, 087, 513-515, 522, 525)
	06216100	2	Bolt-Round Head Square Neck .31-18 x 1.00 Grade 5 (526)
28	06529600	1	Nut-Locking-Center .38-16 (087, 514, 515, 522, 525, 526)
29	06436200	2	Washer-Flat-Steel .406 x .812 x .065 (087, 514, 515, 522, 525, 526)
30	06306500	2	Washer-Lock .375 x .115 Heavy (087, 514, 515, 522, 525, 526)
31	01154800	1	Pressure Flange (087, 514, 515, 522, 525, 526)
32	06437300	1	Washer-Flat-Steel .281 x .620 x .065 (087, 514, 515, 522, 525, 526)
33	06712400	1	Pin-Cotter .06 x .50 (087, 514, 515, 522, 525, 526)
34	01126100	1	Shift Link (087, 514, 515, 522, 525, 526)
35	01123900	1	Bell Crank-Speed Control (087, 514, 515, 522, 525, 526)
36	01123800	2	Friction Washer (087, 514, 515, 522, 525, 526)
37	01019800	1	Cap, Rod .375 (087, 514, 515, 522, 525, 526)
38	01139800	1	Swivel (087, 514, 515, 522, 525, 526)
39	06222200	1	Bolt-Round Head Square Neck .38-16 x 1.25 (087, 514, 515, 522, 525, 526)
40	06713500	1	Pin-Hair-Internal .08 x .18 x 1.18 (087, 514, 515, 522, 525, 526)
41	01173800	1	Support Pad (087, 514, 515, 522, 525, 526)
42	06815700	2	Rivet .187 x .575 (087, 514, 515, 522, 525, 526)
43	06442700	2	Washer-Flat-Steel .219 x .50 x .049 (087, 514, 515, 522, 525, 526)
44	05947000	2	Bolt-Hex .31-18 x .75 Grade 5 (526)
45	06220000	1	Bolt-Round Head Square Neck .25-20 x 1.75 Grade 5 (526)
	06209300	1	Bolt-Round Head Square Neck .25-20 x 1.75 XL (522)
46	06442300	1	Washer-Flat-Steel .250 x .562 x .049 (525, 526)
	06437300	1	Washer-Flat-Steel .281 x .62 x .065 (522)
47	06442700	1	Washer-Flat-Steel .219 x .50 x .049 (522)
48	07415800	1	Screw-Tapping 10-24 x .50 Hex Washer Head (522)
49	06946500	1	Control- Blade Brake/Clutch (522)
50	06116800	2	Screw-Machine 10-24X2.00 Hex Washer Head (522)
51	06536600	2	Nut-Hex 10-24 (522)
52	01155751	1	Cable Anchor-Left Hand (086, 087, 513-515, 525, 526)

# MOWER PAN AND BAG

Model 911086, 087, 513-515, 522, 525, 526



PM0033

Item	Part No.	Qty.	Description
1	01180500	1	Bag-Consumer Black
2	01138751	1	Bagger Frame
3	01136559	1	Door-Catcher Plate
4	07516000	1	Button Bumper
5	07511800	2	Bumper
6	07411900	4	Screw-Tapping 12-24 x .50 Hex Washer (086, 087, 513-515, 522, 525)



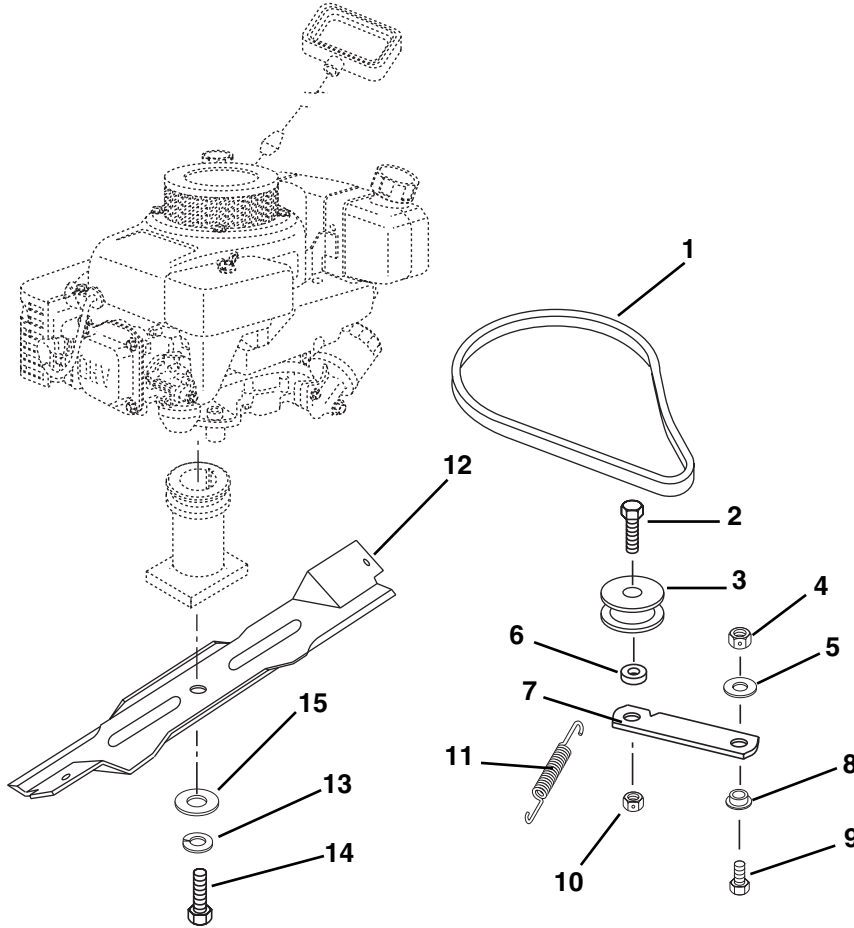
# MOWER PAN AND BAG

Model 911086, 087, 513-515, 522, 525, 526

Item	Part No.	Qty.	Description
7	07414900	2	Screw-Tapping 10-24 x .38 Pan Head
8	01159759	1	Plate-Catcher (086, 087, 513-515, 522, 525)
	01177759	1	Plate , Catcher (526)
9	06203900	2	Bolt-Round Head Square Neck .25-20 x .38
10	02215300	2	Nut-Push
11	08322400	1	Spring-Torsion .120 x .68 x 3.09
12	01141000	1	Pin-Door
13	71102700	1	Mulch Master Mulcher Accessory
14	06530100	2	Nut-Locking-Flange .25-20
15	06219900	2	Bolt-Round Head Square Neck .25-20 x .75 Grade 5
16	01155559	1	Hinge Base Weldment (087, 514, 515, 522, 525, 526)
	01138259	1	Hinge Base (086, 513)
17	01166500	1	Snap-In Clip (522, 525, 526)
18	06308000	2	Washer-Locking .25 x .077
19	06533200	2	Nut-Hex .25-20
20	01159300	1	Nut-Wing (087, 514, 515, 522, 525, 526)
21	01158859	1	Drive Cover (087, 514, 515, 522, 525, 526)
22	01155400	2	Trim Bumper
23	51108100	1	Mower Pan Head with Decals (087, 514, 515, 525, 526)
24	51108000	1	Mower Pan Head with Decals Push (513)
25	51107900	1	Mower Pan Head Head with Decal Self Propelled Blade Brake/Clutch (522)
26	06222000	2	Bolt-Round Head Square Neck .31-18 x .50 Grade 5 (086, 087, 513-515, 522, 525)
27	01183559	1	Front Panel (086, 087, 513-515, 522, 525)
28	06529800	2	Nut-Locking-Center .31-18 (086, 087, 513-515, 522, 525)
29	07507600	3	Grommet-Plastic
30	01173700	1	Baffle-Center
31	07415000	3	Screw-Tapping 10-16 x .62 Hex Washer Head
32	01180200	1	Side Discharge Assembly
33	01180351	1	Side Discharge Cover
34	06436200	2	Washer-Flat-Steel .406 x .812 x .065
35	06530200	2	Nut-Locking-Nylon .312-18
36	06214100	2	Bolt-Round Head Square Neck .31-18 x .75 Grade 2
37	06514900	2	Nut-Push .312
38	06530100	4	Nut-Locking-Flange .250-20 (526)
39	06538100	2	Nut-Wing #8-32 (515)
40	01178559	1	Battery Plate (515)
41	01178600	1	U-Bolt (515)

# BLADE AND BELT

Model 911086, 087, 513-515, 525, 526

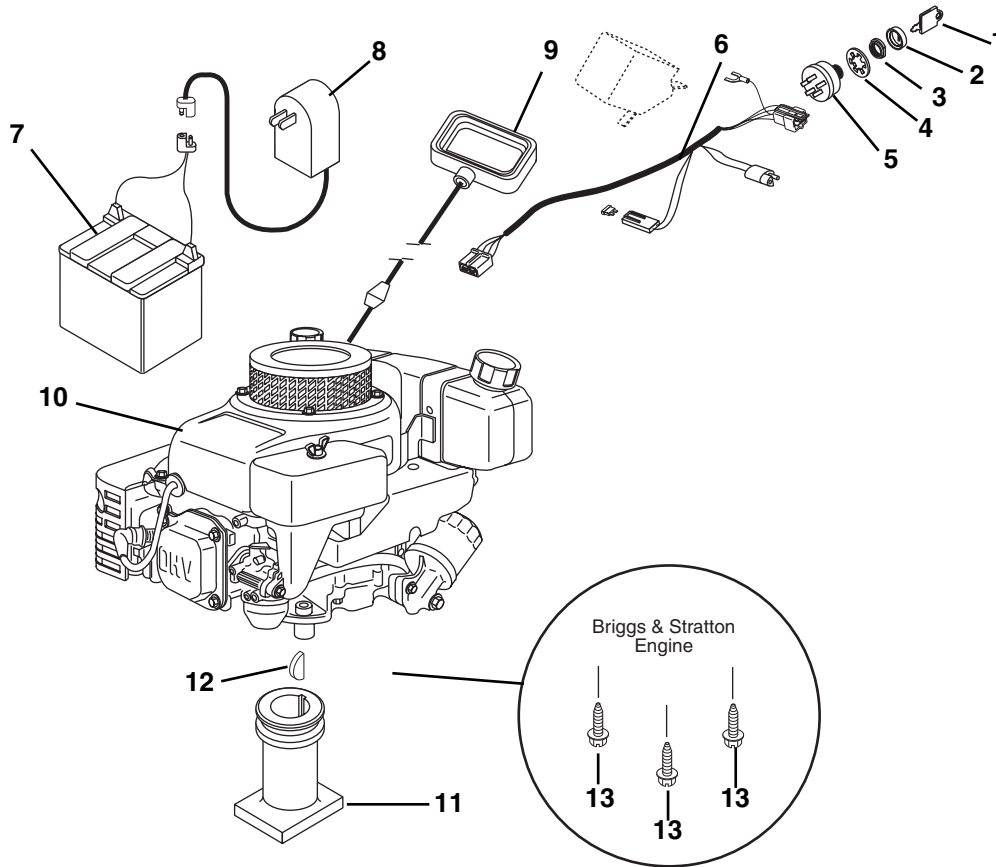


PM0141

Item	Part No.	Qty.	Description
1	07217100	1	V-Belt 3L Section (087, 514, 515, 525, 526)
2	05962800	1	Bolt-Hex .44-14 x 1.50 Grade 5 (087, 514, 515, 525, 526)
3	07313300	1	Idler-Flat 1.75 x .47 (087, 514, 515, 525, 526)
4	06529800	4	Nut-Locking-Center .31 -18 (087, 514, 515, 525, 526)
5	06437200	1	Washer-Flat-Steel .344 x .688 x .065 (087, 514, 515, 525, 526)
6	05533300	1	Bushing-Sleeve .469 x .75 x .43 (087, 514, 515, 525, 526)
7	01141200	1	Idler Arm (087, 514, 515, 525, 526)
8	05515400	1	Bushing-Flange .325 x .501 x .250 x 1.120 (087, 514, 515, 525, 526)
9	05947000	1	Bolt-Hex .31-18 x .75 Grade 5 (087, 514, 515, 522, 525, 526)
10	06536400	1	Nut-Locking-Center .44-14 (087, 514, 515, 525, 526)
11	08321100	1	Spring, Tension .043 x .44 x 3.31 (087, 514, 515, 525, 526)
12	01137051	1	Blade, 21" Mower
13	06308800	1	Washer-Locking .38 x .094
14	05976600	1	Bolt-Hex .38-24 x 2.00 Grade 8
15	06441700	1	Washer-Flat Steel .390 x 1.50 x .125

# ENGINE AND ELECTRICAL

Model 911086, 087, 513-515, 525, 526

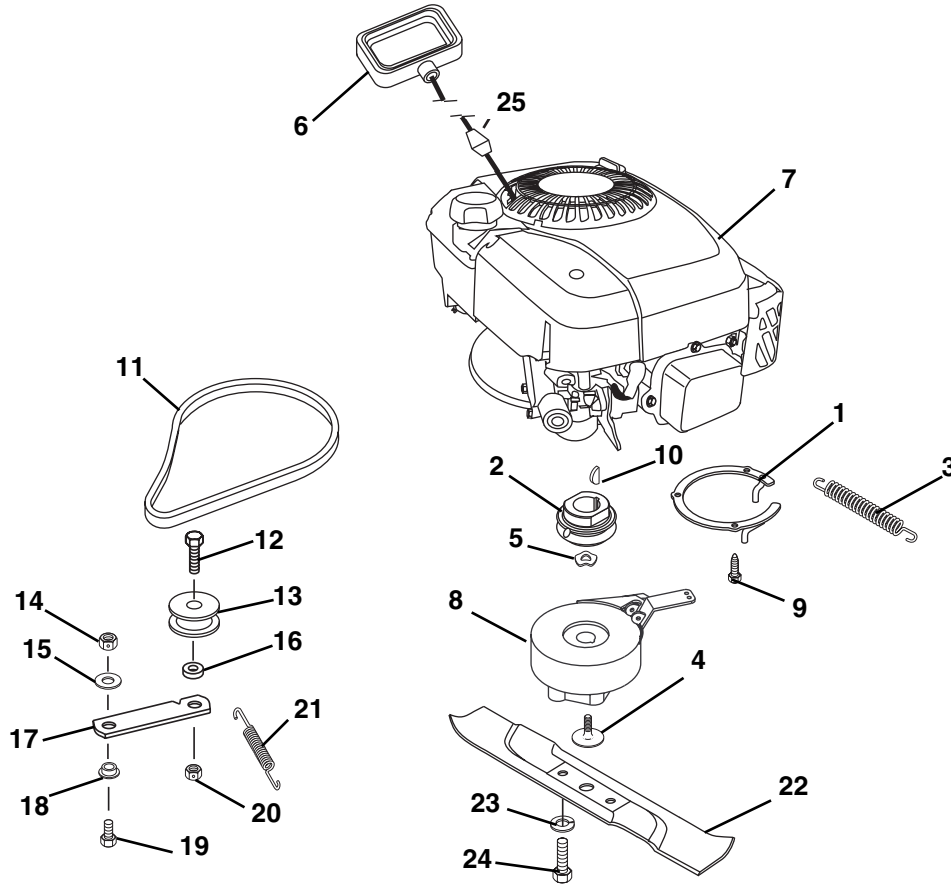


PM0133

Item	Part No.	Qty.	Description
1	02460700	1	Key with Cap (515)
2	07517700	1	Cap-Ignition Switch (515)
3	06517300	1	Nut, Panel .625-32 (515)
4	06306900	1	Washer-Locking Internal .625 x .045 (515)
5	01190600	1	Switch, Key Electric Start-LM (515)
6	01198000	1	Harness, Wire (515)
7	01178400	1	Battery (515)
8	01126000	1	Battery Charger (515)
9	01157100	1	Recoil Start Handle
10*	08266100	1	Engine Briggs & Stratton Intek Pro 6.75 (526)
	08258800	1	Engine, Briggs and Stratton 6.75HP Intek OHV Recoil (513, 514, 525)
	08245800	1	Engine, Briggs and Stratton 6.75HP Intek OHV Electric Start (515)
	08267300	1	Engine, Briggs & Stratton Quantum 6.5HP(086, 087)
11	01189600	1	Adapter, Blade (513-515, 525)
	01121700	1	Adapter, Blade (526)
12	06600900	2	Key-Woodruff .156 x .625 x .25 SAE #6
13	07414100	3	Screw-Tapping .38-16 x 1.00 Hex Washer Head

# ENGINE -BBC

Model 911522

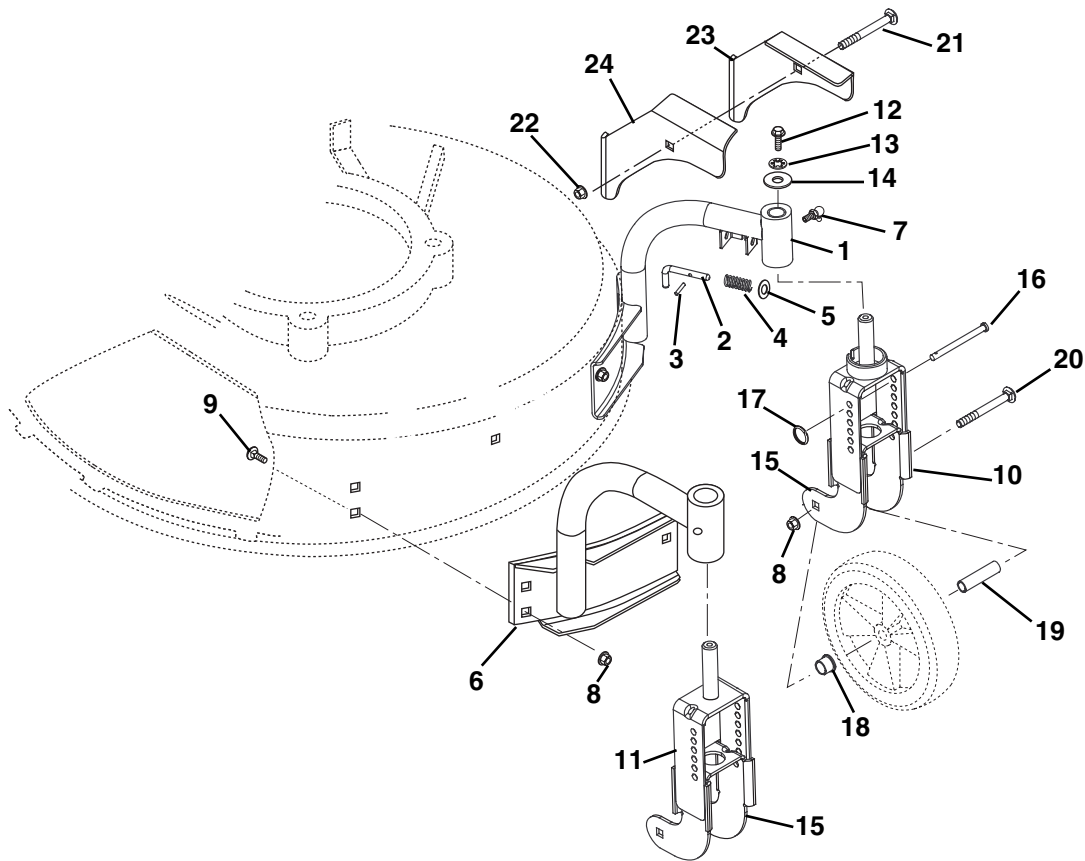


PM0451

Item	Part No.	Qty.	Description
1	01192159	1	Bracket- Spring Retainer
2	01192200	1	Pulley- Blade Brake/Clutch
3	08336400	1	Spring-Tension .1278 x .735 x 4.71
4	07063100	1	Screw-Socket Head-Special .375-24 x 1.50
5	01192900	1	Washer-Wave .88 x 1.31 x .125
6	01157100	1	Recoil Start Handle
7	08262700	1	Engine- 6.75HP Briggs & Stratton Intek- Blade Brake/Clutch
8	01191600	1	Blade Brake Clutch
9	07414100	3	Screw-Tapping .38-16 x 1.00 Hex Washer Head
10	06600900	1	Key-Woodruff .156 x .625 x .25
11	07217100	1	V-Belt 3L Section
12	05962800	1	Bolt-Hex .44-14 x 1.50 Grade 5
13	07313300	1	Idler-Flat 1.75 x .47
14	06529800	1	Nut-Locking-Center .31 -18
15	06437200	1	Washer-Flat-Steel .344 x .688 x .065
16	05533300	1	Bushing-Sleeve .469 x .750 x .430
17	01141200	1	Idler Arm
18	05515400	1	Bushing-Flange .325 x .501 x .250 x 1.120
19	05947000	1	Bolt-Hex .31-18 x .75 Grade 5
20	06536400	1	Nut-Locking-Center .44-14
21	08321100	1	Spring, Tension .043 x .44 x 3.31
22	01195500	1	Blade- Blade Brake/Clutch
23	06309300	2	Washer-Locking .44 x .109 Regular
24	05943000	2	Bolt-Hex M10 x 1.5 x 25
25	01177100	1	Rope Stop

# SWIVEL WHEELS AND BRACKETS

Model 911525

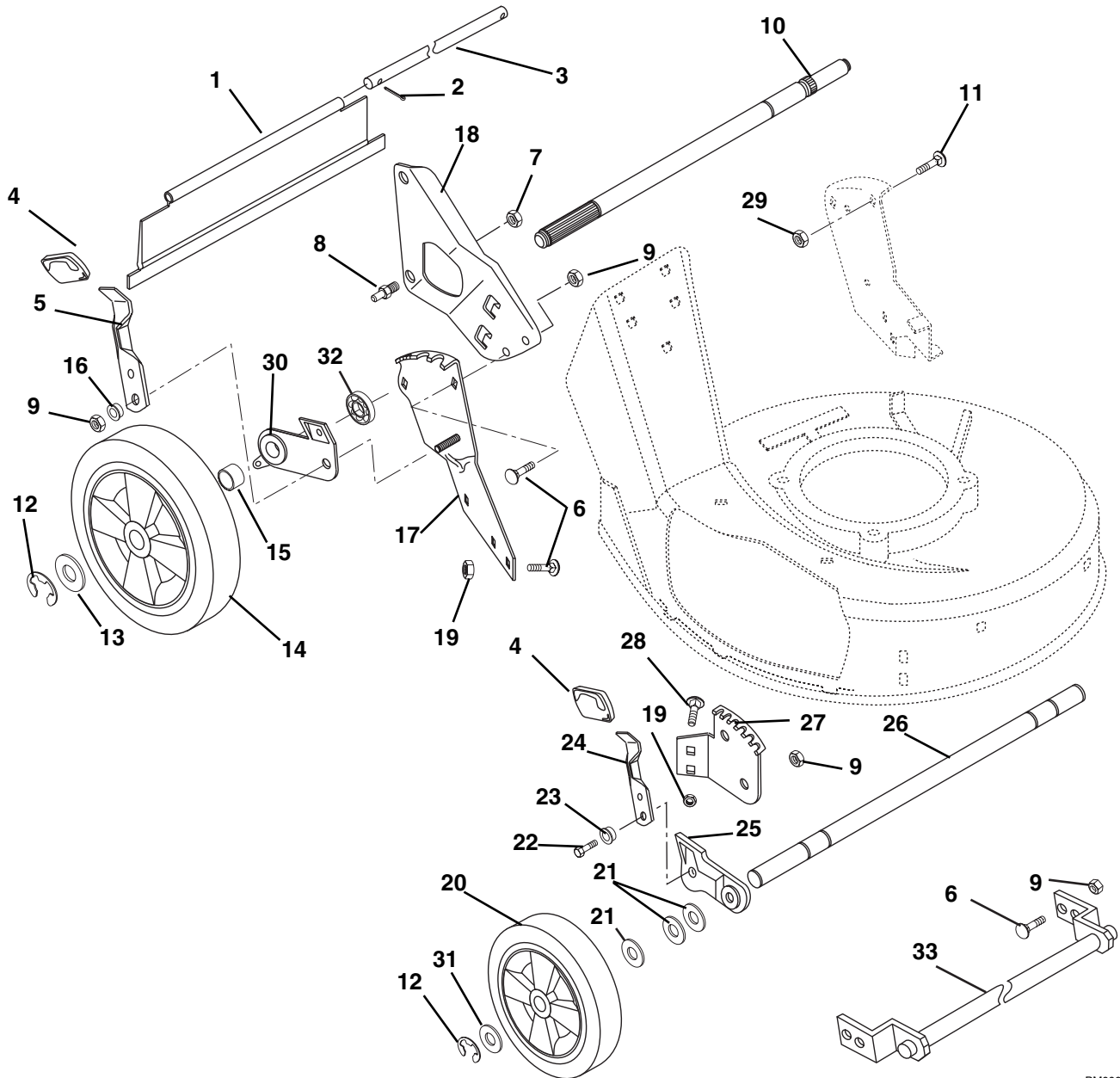


PM0620

Item	Part No.	Qty.	Description
1	01196859	1	Assembly, Mount Left Hand With Bushings
2	01196900	1	Pin, Lockout
3	05808100	1	Pin, Roll .094 x .75
4	08337300	1	Spring, Compression - Swivel Lockout
5	06437300	1	Washer, Flat Steel .281 x .62 x .065
6	01197559	1	Assembly, Right Hand Mount With Bushings
7	07012600	2	Fitting, Lube .25-28 x .256
8	06530400	8	Nut, Spin Lock-Flange .312-18
9	06222000	6	Bolt, Round Head Square Neck .31-18 x .50 Grade 5
10	01196759	1	Yoke, Left Hand Outer
11	01197459	1	Yoke, Right Hand Outer
12	05946800	2	Bolt, Hex .25-20 x .75 Grade 5
13	06308400	2	Washer, Locking .25 x .062 Regular
14	06426600	2	Washer, Flat Steel .28 x 1.00 x .063
15	01196600	2	Yoke, Inner
16	06817100	2	Pin, Height Adjustment
17	01169200	2	Kickout Ring
18	05502100	2	Bushing, Flange .50 x .625 x .50 x .75
19	05533500	2	Spacer, Wheel
20	06212300	2	Bolt, Round Head Square Neck .31-18 x 2.75
21	06222300	1	Bolt-Round Head Square Neck .25-20 x 1.50 Grade 5
22	06530100	1	Nut-Locking-Flange .25-20
23	01197359	1	Bracket, Hood Cable Left Hand
24	01198159	1	Bracket, Hood Cable Right Hand

# WHEELS AND ADJUSTERS

Model 911086, 087, 513-515, 522, 525, 526



PM0065

Item	Part No.	Qty.	Description
1	07522300	1	Rear Protective Guard, Self Propelled (087, 514, 515, 522, 525, 526)
	07522400	1	Rear Protective Guard, Push (086, 513)
2	06712400	3	Pin-Cotter .06 x .50
3	01140000	1	Rod
4	07513600	4	Knob
5	01130600	2	Height Adjustment Lever
6	06212200	10	Bolt-Round Head Square Neck .31-18 x .62 (086, 087, 513-515, 522, 525)
	06212200	14	Bolt-Round Head Square Neck .31-18 x .62 (526)
7	06529600	2	Nut-Locking-Center .38-16

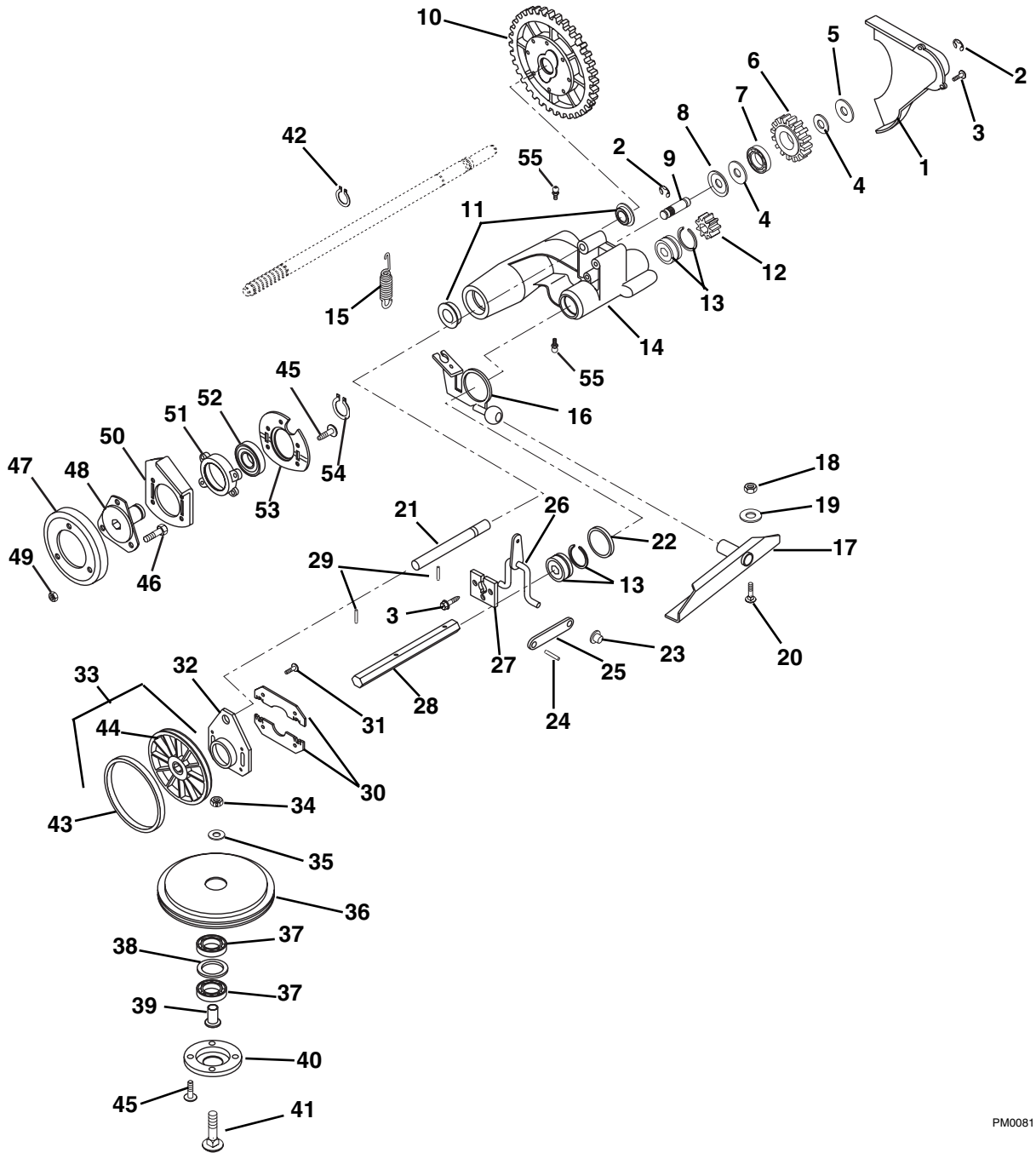
# WHEELS AND ADJUSTERS

Model 911086, 087, 513-515, 522, 525, 526

Item	Part No.	Qty.	Description
8	01167100	2	Handlebar Stud
9	06529800	8	Nut-Locking-Center .31-18 (086, 087, 513-515, 522, 525)
	06529800	12	Nut-Locking-Center .31-18 (526)
10	01149500	1	Rear Axle (087, 514, 515, 522, 525, 526)
	01171900	1	Rear Axle Push Mower (086, 513)
11	06221800	1	Bolt-Round Head Square Short Neck .31-18 x 1.00
12	05710200	4	Ring-Retaining-External .500 x .042
	05710200	2	Ring-Retaining-External .500 x .042 (525)
13	06436600	2	Washer-Flat-Steel .505 x .880 x .072
14	07151200	1	Wheel, Left Hand Rear (087, 514, 515, 522, 525, 526)
	07151500	1	Wheel, Right Hand Rear (087, 514, 515, 522, 525, 526)
	07103900	2	Tire Skin 10 x 2.0 (087, 514, 515, 522, 525, 526)
	07152500	2	Tire 10 x 1.75 (086, 513)
15	01149600	2	Spacer Tube (087, 514, 515, 522, 525, 526)
	01149700	1	Spacer Tube-Push Left Hand (086, 513)
	01149800	1	Spacer Tube-Push Right Hand (086, 513)
16	05514800	2	Bushing-Flange .312 x .500 x .344 x .880
17	01154251	1	Rear Quadrant-Left Hand
	01154351	1	Rear Quadrant-Right Hand
18	01137251	1	Bracket-Handlebar Mounting-Right Hand (086, 087, 513-515, 522, 525)
	01137151	1	Bracket-Handlebar Mounting-Left Hand (086, 087, 513-515, 522, 525)
	01177451	1	Bracket-Handlebar Mounting-Right Hand (526)
	01177551	1	Bracket-Handlebar Mounting-Left Hand (526)
19	06530400	10	Nut-Locking-Flanged .31-18 (086, 087, 513-515, 522, 526)
	06530400	6	Nut-Locking-Flanged .31-18 (525)
20	07149900	2	Wheel-Front (087, 514, 515, 522, 525, 526)
	07152400	2	Tire 7 x 1.50 (513, 086)
21	06441100	6	Washer-Flat-Steel .520 x .827 x .062 (086, 087, 513-515, 522, 526)
22	05946900	2	Bolt-Hex .31-18 x 1.00 Grade 5 (086, 087, 513-515, 522, 526)
23	05514800	2	Bushing-Flange .312 x .500 x .344 x .880 (086, 087, 513-515, 522, 526)
24	01120000	2	Lever, Front Height Adjustment (086, 087, 513-515, 522, 526)
25	01119800	1	Left Hand Bracket Assembly
	01119900	1	Right Hand Bracket Assembly
26	01168900	1	Front Axle (086, 087, 513-515, 522, 526)
27	01154051	1	Front Quadrant, Left Hand (086, 087, 513-515, 522, 526)
	01154151	1	Front Quadrant, Right Hand (086, 087, 513-515, 522, 526)
28	06222000	4	Bolt-Round Head Square Neck .31-18 x .50 Grade 5 (086, 087, 513-515, 522, 526)
29	06530200	1	Nut-Locking-Nylon .31-18
30	01130700	1	Rear Adjuster Bracket-Left Hand (087, 514, 515, 522, 525)
	01150400	1	Rear Bracket and Bearing Assembly (087, 514, 515, 522, 525)
	01131300	1	Rear Bracket and Bearing Assembly-Right Hand (086, 513)
	01131200	1	Rear Bracket and Bearing Assembly-Left Hand (086, 513)
	01130800	1	Rear Adjuster Bracket-Right Hand (526)
	01158200	1	Rear Adjuster Bracket-Left Hand (526)
31	06436600	2	Washer-Flat-Steel .505 x .880 x .072 (086, 087, 513-515, 526)
32	05417600	1	Bearing-Ball .625 x 1.383 x .50 (526)
33	01156051	1	De-Thatcher Retainer Weldment (526)

# FRICTION WHEEL AND DRIVE

Model 911087, 514, 515, 522, 525, 526



PM0081

Item	Part No.	Qty.	Description
1	01121051	1	Gear Cover
2	05705900	2	Ring-Retaining-External .438 x .035
3	07411900	5	Screw-Tapping 12-24 x .50 Hex Washer Head
4	06441100	2	Washer - Flat - Steel .520 x .827 x .062
5	06425300	1	Washer - Flat - Steel .531 x 1.00 x .063
6	01131700	1	Idler Gear
7*	05408000	1	Bearing - Ball .50 x 1.38 x .437
8	01135100	1	Retainer
9	01139700	1	Idler Shaft
10	51102400	1	Differential Assembly
11*	05417600	2	Bearing-Ball .625 x 1.383 x .50 (526)



# FRICTION WHEEL AND DRIVE

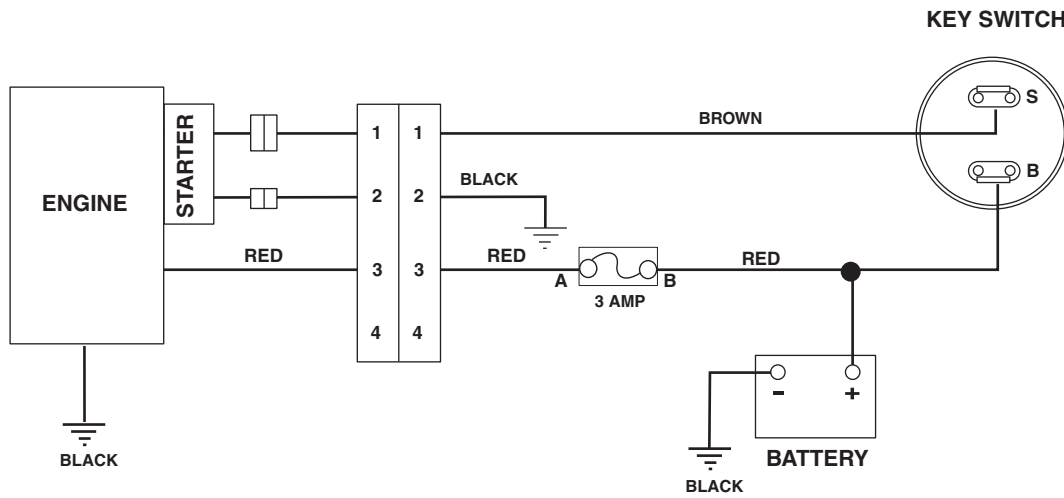
Model 911087, 514, 515, 522, 525, 526

Item	Part No.	Qty.	Description
12	02201100	1	Gear-Pinion
13	05413700	2	Bearing - Ball .562 x 1.375 x .437
14	01140600	1	Drive Mount
15	08325200	1	Spring-Tension .051 x .60 x 2.25
16	01137900	1	Drive Actuator Weldment
17	01161951	1	Pivot Channel Weldment
18	06529800	2	Nut-Locking-Center .31-18
19	06437200	2	Washer-Flat-Steel .344 x .688 x .065
20	06212200	2	Bolt-Round Head Square Short Neck .31-18 x .62
21	01125100	1	Rod-Guide
22	06421600	1	Washer - Flat - Steel 1.390 x 2.00 x .020
23	02215300	2	Push Nut .25
24	05803500	2	Pin-Roll .125 x .50 (087, 514, 515 522, 525)
	05804800	2	Pin-Roll .125 x .63 (526)
25	01124200	2	Shift Link
26	01123600	1	Shift Arm Weldment
27	01125000	1	Retainer Plate
28	01125700	1	Hex Shaft
29	05800500	2	Pin - Roll .188 x .88
30	01153800	2	Thrust Plate (087, 514, 515 522, 525)
31	07412100	4	Screw-Tapping 10-24 x .375 Hex Washer Head (087, 514, 515 522, 525)
32	01153900	1	Guide-Plate (087, 514, 515 522, 525)
33	51102500	1	Friction Wheel Assembly (087, 514, 515 522, 525)
34	06529800	1	Nut-Locking-Center .31-18
35	06439100	1	Washer-Flat-Steel .38 x .87 x .179
36	01127300	1	Friction Sheave
37	05435100	2	Bearing-Ball .625 x 1.375 x .43
38	06420200	1	Washer- Flat-Steel 1.062 x 1.344 x .032
39	01127400	1	Spindle, Bearing
40	01127500	1	Bearing, Retainer
41	06220200	1	Bolt-Round Head Square Neck .31-18 x 1.75 Grade 5
42	05711900	2	Ring-Retaining-External .579 x .930
43	01190400	1	Friction Ring (087, 514, 515 522, 525)
44	01149200	1	Friction Wheel Hub (087, 514, 515 522, 525)
45	07411900	4	Screw-Tapping 12-24 x .50 Hex Washer Head (087, 514, 515 522, 525)
	07411900	8	Screw-Tapping 12-24 x .50 Hex Washer Head (526)
46	05947900	3	Bolt-Hex .25-20 x .50 Grade 5 (526)
47	03240700	1	Disc, Friction (526)
48	01133500	1	Hub, Friction Wheel (526)
49	06529700	3	Nut-Locking-Center .25-20 (526)
50	01132700	1	Bearing Plate (526)
51	01131800	1	Bearing Retainer (526)
52	05416000	1	Bearing Ball 1.00 x 2.00 x .56 (526)
53	01119200	1	Bearing Retainer (526)
54	05706200	1	Ring-Retaining - External 1.00 x .042 (526)
55	07012600	2	Fitting-Lube .25-28 x .256 (526)

\* Available as individual components or part of 51105600 Service Kit which consists of (2) 05435100, (1) 05408000, (2) 05413700 and (2) 05417600.

# ELECTRICAL AND CONTINUITY DIAGRAM

Model 911515

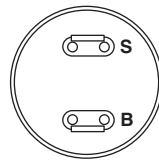


PM0470

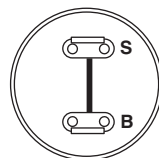
The diagram below shows the various states of connection for electrical components. The solid lines on switches show continuity.

**NOTE:** All switches are viewed from the rear.

## Key Switch (01190600)



OFF POSITION



START POSITION

PM0480



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