



**no. 1 choice**  
of lawn maintenance professionals  
and performance seeking  
homeowners

**PARTS AND SERVICE  
MANUAL**

**THE SENSATION CORPORATION**

3601 NORTH 16TH STREET

OMAHA, NEBRASKA 68110

TELEPHONE (402) 345-3884



## FIVE YEAR LIMITED WARRANTY

effective August 23, 1979

The Sensation Corporation warrants each new SENSATION 14", 19" and 21" walk behind mower and 21" self-propelled mower for five years according to the following terms:

This warranty extends to the original retail purchaser only and commences on the date of original retail purchase.

Any part of the SENSATION mower manufactured by SENSATION and found in the reasonable judgement of SENSATION to be defective in material or workmanship will be repaired or replaced by an authorized Sensation service dealer without charge for parts and labor.

The SENSATION mower, including any defective part, must be returned to an authorized SENSATION dealer within the warranty period. The expense of delivering the SENSATION mower to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be paid for by the owner. SENSATION's responsibility in respect to claims is limited to making the required repairs or replacements, and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any SENSATION mower. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an authorized SENSATION dealer.

This warranty is limited to ninety (90) days from the date of original purchase for any walk behind or self-propelled mower that is used for rental or commercial purposes, or any other income-producing purpose.

This warranty does not cover any SENSATION mower that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in the SENSATION Owner's Manual. The warranty does not apply to any damage to the SENSATION mower that is the result of improper maintenance, or to any SENSATION mower or parts that have not been assembled or installed as specified in the SENSATION Owner's Manual. The warranty does not cover any SENSATION mower that has been altered or modified so as to adversely affect the product operation, performance or durability or that has been altered or modified so as to change the intended use of the product. In addition, the warranty does not extend to repairs made necessary by normal wear, or by the use of parts or accessories which in the reasonable judgement of The Sensation Corporation are either incompatible with the SENSATION mower or adversely affect its operation, performance or durability. This warranty does not cover engines, blade adaptors, wheels, belts, blades, or tires which are warranted separately by their manufacturer and for a different period of time.

The Sensation Corporation reserves the right to change or improve the design of any SENSATION mower without assuming any obligation to modify any mower previously manufactured.

All other implied warranties are limited in duration to the one year warranty period or ninety days for mowers used for any income-producing purpose. Accordingly, any such implied warranties including merchantability, fitness for a particular purpose or otherwise, are disclaimed in their entirety after the expiration of the appropriate one year or ninety day warranty period. SENSATION'S obligation under the warranty is strictly and exclusively limited to the repair or replacement of defective parts, and SENSATION does not assume or authorize anyone to assume for them any other obligation. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

SENSATION assumes no responsibility for incidental, consequential or other damages including, but not limited to, expense of delivering the SENSATION mower to an authorized SENSATION dealer and expense of returning it back to the owner, mechanics travel time, telephone or telegraph charges, rental of a like product during the time warranty repairs are being performed, travel, loss or damage to personal property, loss of revenue, loss of use of the mower, loss of time, or inconvenience. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

THE SENSATION CORPORATION  
3601 North 16th Street  
Omaha, Nebraska 68110 USA

EXAMPLES OF ITEMS  
NOT COVERED  
UNDER WARRANTY

Provisions of the warranty will not apply to:

Normal service requirements arising during the warranty period, such as carburetor or ignition adjustment and cleaning, normal wear, or blade sharpening and balancing.

Normal service work over and above the repair and replacement of defective parts.

Mowers subject to misuse, neglect, negligence or accident.

Mowers that have been altered or modified so as to adversely affect their operation, performance or durability, or to change their intended use.

Repairs made necessary by the use of parts or accessories which are either incompatible with the mower or adversely affects its operation, performance, or durability.

Mowers equipped with parts not supplied by The Sensation Corporation.

Mowers not operated or maintained in accordance with the instructions in the Sensation Owner's Manual.

Normal cleaning, adjusting, or replacing of such items as filters, spark plugs, or ignition points.

Expense of delivering the mower to the dealer and expense of returning the mower back to the owner, mechanic's travel time, rental of another mower during the time warranty repairs are being performed.

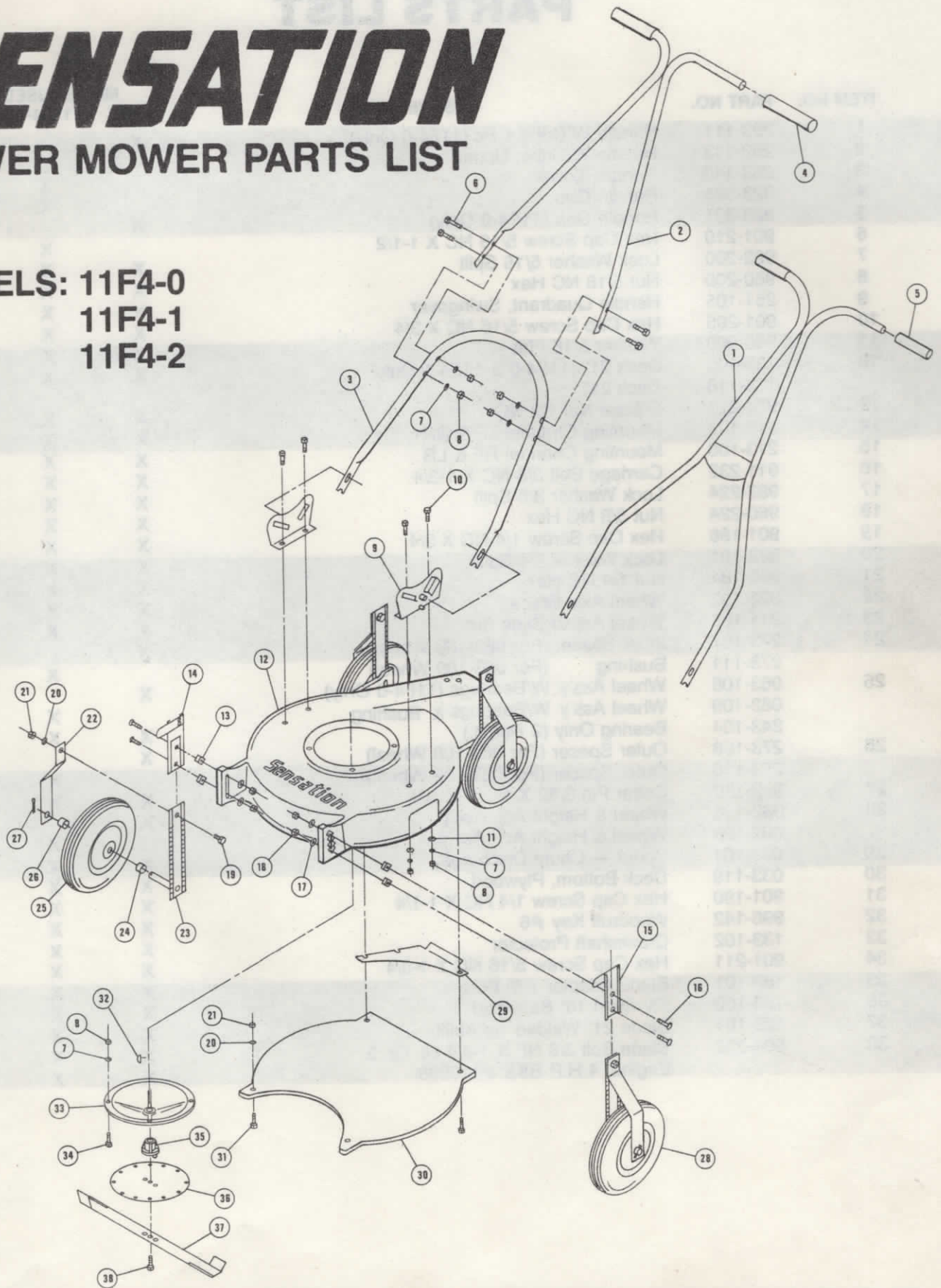
The warranty applies only to the original retail purchaser. Second owner or subsequently owned mowers are not covered under warranty.

COMMERCIAL

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11F4-0  
11F4-1  
11F4-2



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

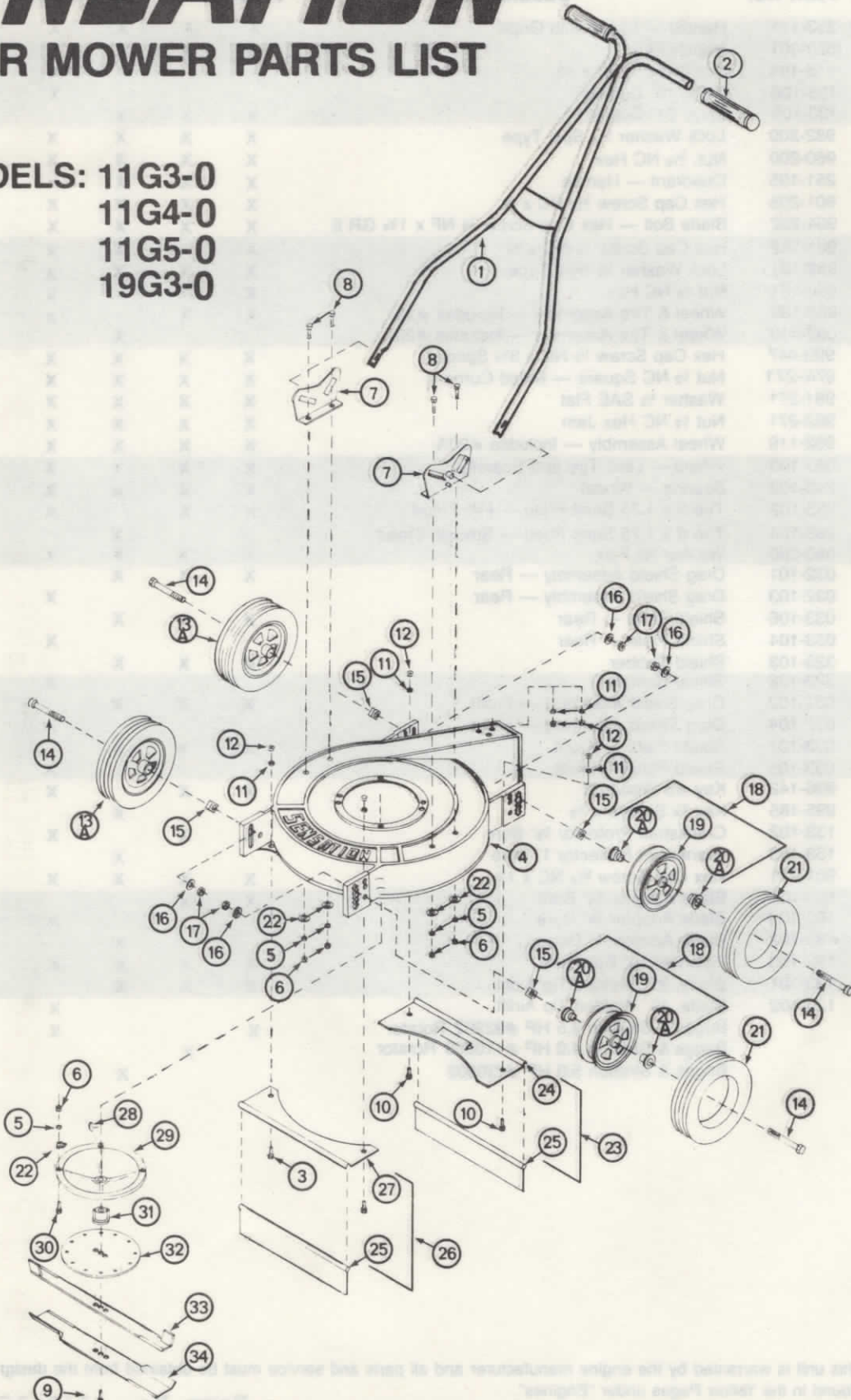
## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON		
			11F4-0	11F4-1	11F4-2
1	253-111	Handle W/Grips 1 Pc (11F4-0 Only)	X		
2	252-113	Handle W/Grips, Upper		X	X
3	253-140	Handle, Lower		X	X
4	323-305	Handle Grip		X	X
5	323-301	Handle Grip (11F4-0 Only)	X		
6	901-210	Hex Cap Screw 5/16 NC X 1-1/2		X	X
7	982-200	Lock Washer 5/16 Split	X	X	X
8	960-200	Nut 5/16 NC Hex	X	X	X
9	251-105	Handle Quadrant, Swingover	X	X	X
10	901-205	Hex Cap Screw 5/16 NC X 3/4	X	X	X
11	980-200	Washer 5/16 Flat	X	X	X
12	133-105	Deck 21" (11F4-0 & 11F4-1 Only)	X	X	
	133-116	Deck 21"			X
13	974-271	Square Nut 1/2 NC	X	X	X
14	213-107	Mounting Channel LF & RR	X	X	X
15	213-106	Mounting Channel RF & LR	X	X	X
16	911-232	Carriage Bolt 3/8 NC X 1-3/4	X	X	X
17	982-224	Lock Washer 3/8 Split	X	X	X
18	960-224	Nut 3/8 NC Hex	X	X	X
19	901-186	Hex Cap Screw 1/4 NC X 3/4	X	X	X
20	982-181	Lock Washer 1/4 Split	X	X	X
21	960-181	Nut 1/4 NC Hex	X	X	X
22	023-102	Wheel Axle Brace	X	X	X
23	211-106	Wheel Adjust Slide Bar	X	X	X
24	273-107	Inner Spacer (For 083-108 Wheel)	X		
	273-111	Bushing (For 083-109 Wheel)		X	X
25	083-108	Wheel Ass'y. W/Bearings (11F4-0 Only)	X		
	083-109	Wheel Ass'y. W/Bearings & Bushing		X	X
	243-104	Bearing Only (2 Req'd.)	X	X	X
26	273-108	Outer Spacer (For 083-108 Wheel)	X		
	273-110	Outer Spacer (For 083-109 Wheel)		X	X
27	992-120	Cotter Pin 3/32 X 1	X	X	X
28	082-116	Wheel & Height Adj. Ass'y.	X		
	082-128	Wheel & Height Adj. Ass'y.		X	X
29	033-101	Spout — Chute Discharge	X	X	X
30	033-119	Deck Bottom, Plywood	X	X	X
31	901-190	Hex Cap Screw 1/4 NC X 1-1/4	X	X	X
32	996-142	Woodruff Key #6	X	X	X
33	133-102	Crankshaft Protector	X	X	X
34	901-211	Hex Cap Screw 5/16 NC X 1-3/4	X	X	X
35	183-101	Blade Adaptor 7/8" Bore	X	X	X
36	183-103	Flywheel 10" Balanced	X	X	X
37	123-101	Blade 21" Welded Tip Airlift	X	X	X
38	904-232	Blade Bolt 3/8 NF X 1-3/4 Ht. Gr. 5	X	X	X
		Engine, 4 H.P. B&S #110908	X	X	X

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11G3-0  
 11G4-0  
 11G5-0  
 19G3-0



ITEM NO.	PART NO.	DESCRIPTION
1	11G3-0	Handle
2	11G3-0	Control lever
3	11G3-0	Blade
4	11G3-0	Deck housing
5	11G3-0	Blade bolt
6	11G3-0	Blade nut
7	11G3-0	Trigger gun
8	11G3-0	Trigger gun bracket
9	11G3-0	Engine
10	11G3-0	Deck cover
11	11G3-0	Wheel
12	11G3-0	Wheel
13	11G3-0	Tire
14	11G3-0	Tire
15	11G3-0	Drive shaft
16	11G3-0	Drive shaft
17	11G3-0	Drive shaft
18	11G3-0	Drive shaft
19	11G3-0	Drive shaft
20	11G3-0	Drive shaft
21	11G3-0	Drive shaft
22	11G3-0	Screw
23	11G3-0	Screw
24	11G3-0	Screw
25	11G3-0	Screw
26	11G3-0	Screw
27	11G3-0	Screw
28	11G3-0	Screw
29	11G3-0	Screw
30	11G3-0	Screw
31	11G3-0	Screw
32	11G3-0	Screw
33	11G3-0	Screw
34	11G3-0	Screw

## PARTS LIST

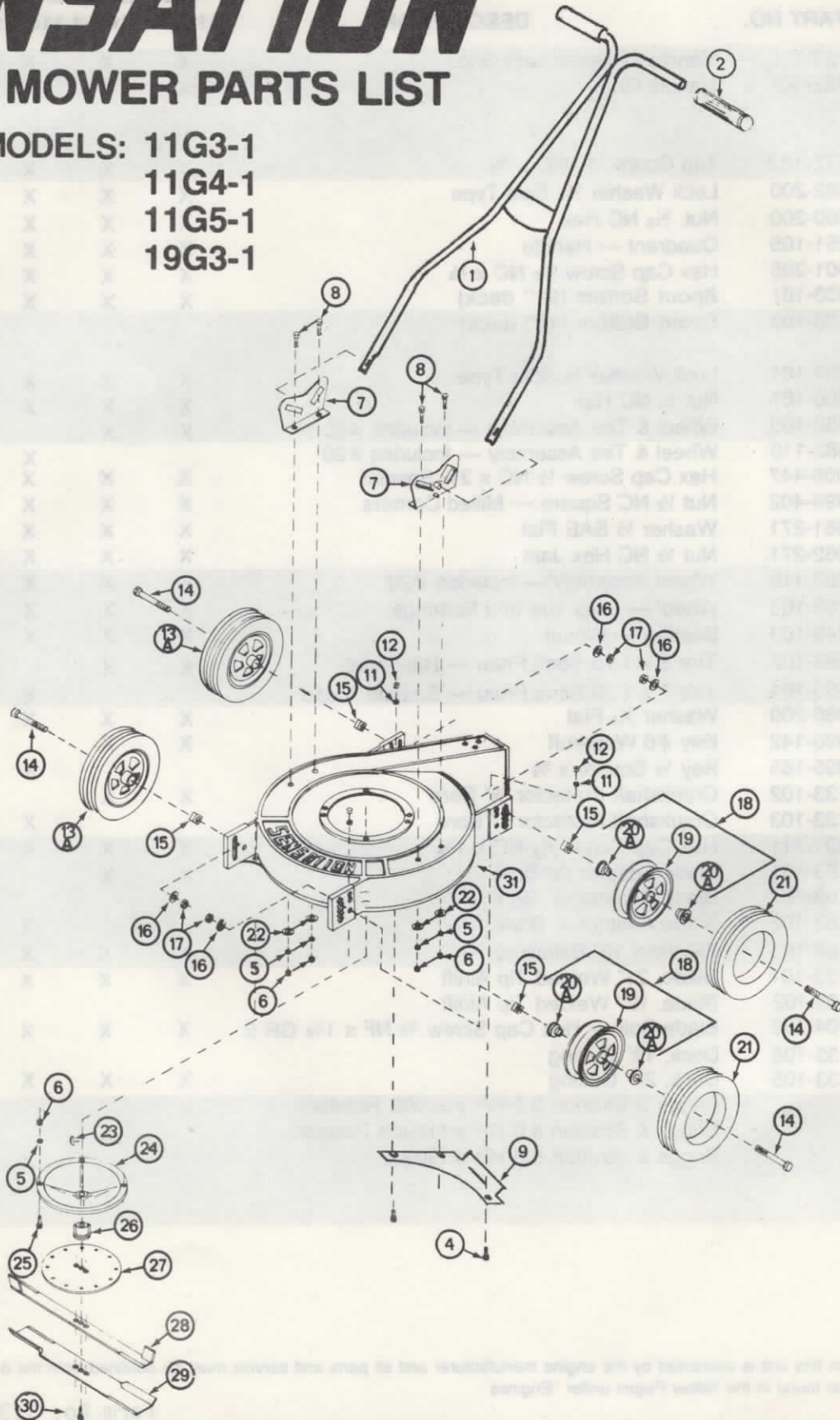
ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON			
			11G3-0	11G4-0	11G5-0	19G3-0
1	253-111	Handle — Upper with Grips	X	X	X	X
2	323-301	Handle Grip	X	X	X	X
3	955-186	Tap Screw 1/4 NC x 3/4				X
4	133-106	Deck, 19" Cutting				X
	133-105	Deck, 21" Cutting	X	X	X	
5	982-200	Lock Washer 5/16 Split Type	X	X	X	X
6	960-200	Nut, 5/16 NC Hex	X	X	X	X
7	251-105	Quadrant — Handle	X	X	X	X
8	901-205	Hex Cap Screw 5/16 NC x 3/4	X	X	X	X
9	904-232	Blade Bolt — Hex Cap Screw 3/8 NF x 1 1/4 GR 5	X	X	X	X
10	901-186	Hex Cap Screw 1/4 NC x 3/4	X	X	X	X
11	982-181	Lock Washer 1/4 Split Type	X	X	X	X
12	960-181	Nut 1/4 NC Hex	X	X	X	X
13	082-109	Wheel & Tire Assembly — Includes #20	X	X		X
	082-110	Wheel & Tire Assembly — Includes #20			X	
14	999-447	Hex Cap Screw 1/2 NC x 3 3/4 Special	X	X	X	X
15	974-271	Nut 1/2 NC Square — Milled Corners	X	X	X	X
16	981-271	Washer 1/2 SAE Flat	X	X	X	X
17	962-271	Nut 1/2 NC Hex Jam	X	X	X	X
18	082-119	Wheel Assembly — Includes #20A	X	X	X	X
19	083-103	Wheel — Less Tire and Bearings	X	X	X	X
20	243-103	Bearing — Wheel	X	X	X	X
21	263-102	Tire 8 x 1.75 Semi Pneu — Rib Tread	X	X		X
	263-104	Tire 8 x 1.75 Semi Pneu — Smooth Tread			X	
22	980-200	Washer 5/16 Flat	X	X	X	X
23	032-101	Drag Shield Assembly — Rear	X	X	X	
	032-103	Drag Shield Assembly — Rear				X
24	033-106	Shield Plate — Rear	X	X	X	
	033-104	Shield Plate — Rear				X
25	323-103	Shield Rubber	X	X	X	
	323-102	Shield Rubber				X
26	032-102	Drag Shield Assembly — Front	X	X	X	
	032-104	Drag Shield Assembly — Front				X
27	033-107	Shield Plate — Front	X	X	X	
	033-105	Shield Plate — Front				X
28	996-142	Key #6 Woodruff	X	X		X
	995-185	Key 1/4 Square x 5/8			X	
29	133-102	Crankshaft Protector 7/8" Bore	X	X		X
	133-103	Crankshaft Protector 1" Bore			X	
30	901-211	Hex Cap Screw 5/16 NC x 1 3/4	X	X	X	X
31	183-101	Blade Adapter 7/8" Bore	X	X		
	183-104	Blade Adapter 7/8" Bore				X
	183-102	Blade Adapter 1" Bore			X	
32	183-103	Flywheel 10" Balanced	X	X	X	X
33	123-101	Blade, 21" Welded Tip Airlift	X	X	X	
34	123-102	Blade, 19" Welded Tip Airlift				X
		Briggs & Stratton 3.5 HP #92902 Rotator	X			X
		Briggs & Stratton 4.0 HP #110908 Rotator		X		
		Briggs & Stratton 5.0 HP #130902			X	

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11G3-1  
11G4-1  
11G5-1  
19G3-1





## PARTS LIST

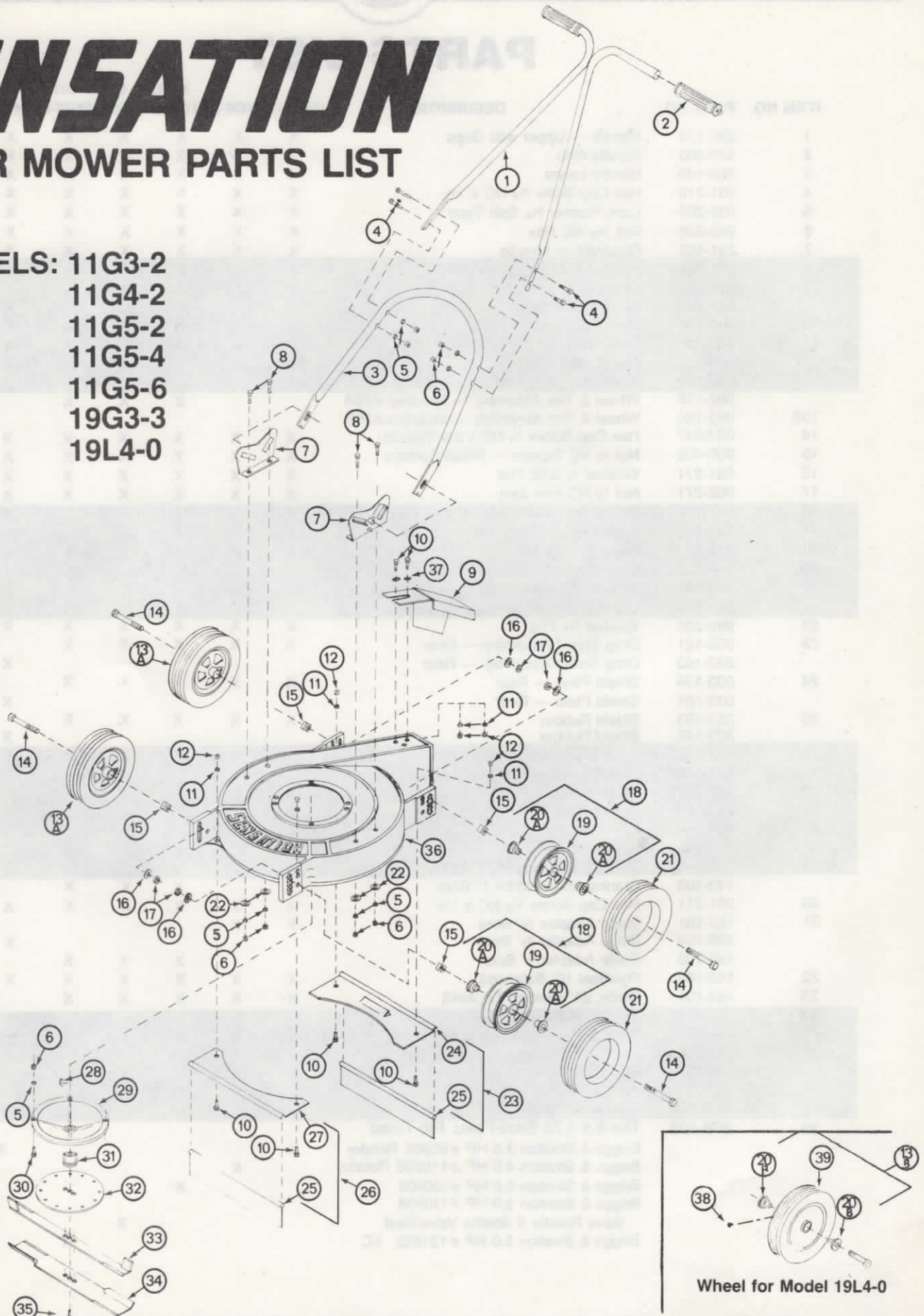
ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON			
			11G3-1	11G4-1	11G5-1	19G3-1
1	253-111	Handle — Upper with Grips	X	X	X	X
2	323-301	Handle Grip	X	X	X	X
3						
4	957-183	Tap Screw 1/4 NC x 3/8	X	X	X	X
5	982-200	Lock Washer 5/16 Split Type	X	X	X	X
6	960-200	Nut, 5/16 NC Hex	X	X	X	X
7	251-105	Quadrant — Handle	X	X	X	X
8	901-205	Hex Cap Screw 5/16 NC x 3/4	X	X	X	X
9	033-101	Spout Bottom (21" deck)	X	X	X	
	033-103	Spout Bottom (19" deck)				X
10						
11	982-181	Lock Washer 1/4 Split Type	X	X	X	X
12	960-181	Nut 1/4 NC Hex	X	X	X	X
13	082-109	Wheel & Tire Assembly — Includes #20	X	X		X
	082-110	Wheel & Tire Assembly — Includes #20			X	
14	999-447	Hex Cap Screw 1/2 NC x 3/4 Special	X	X	X	X
15	999-402	Nut 1/2 NC Square — Milled Corners	X	X	X	X
16	981-271	Washer 1/2 SAE Flat	X	X	X	X
17	962-271	Nut 1/2 NC Hex Jam	X	X	X	X
18	082-119	Wheel Assembly — Includes #20	X	X	X	X
19	083-103	Wheel — Less Tire and Bearings	X	X	X	X
20	243-103	Bearing — Wheel	X	X	X	X
21	263-102	Tire 8 x 1.75 Semi Pneu — Rib Tread	X	X		X
	263-104	Tire 8 x 1.75 Semi Pneu — Smooth Tread			X	
22	980-200	Washer 5/16 Flat	X	X	X	X
23	996-142	Key #6 Woodruff	X	X		X
	995-185	Key 1/4 Square x 5/8			X	
24	133-102	Crankshaft Protector 7/8" Bore	X	X		X
	133-103	Crankshaft Protector 1" Bore			X	
25	901-211	Hex Cap Screw 5/16 NC x 1 1/4	X	X	X	X
26	183-101	Blade Adapter 7/8" Bore	X	X		
	183-104	Blade Adapter 7/8" Bore				X
	183-102	Blade Adapter 1" Bore			X	
27	183-103	Flywheel 10" Balanced	X	X	X	X
28	123-101	Blade, 21" Welded Tip Airlift	X	X	X	
29	123-102	Blade, 19" Welded Tip Airlift				X
30	904-232	Blade Bolt — Hex Cap Screw 3/8 NF x 1 3/4 GR 5	X	X	X	X
31	133-106	Deck, 19" Cutting				X
	133-105	Deck, 21" Cutting	X	X	X	
		Briggs & Stratton 3.5 HP #92902 Rotator	X			X
		Briggs & Stratton 4.0 HP #110908 Rotator		X		
		Briggs & Stratton 5.0 HP #130902			X	

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11G3-2  
11G4-2  
11G5-2  
11G5-4  
11G5-6  
19G3-3  
19L4-0



Wheel for Model 19L4-0

## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON						
			11G3-2	11G4-2	11G5-2	11G5-4	11G5-6	19G3-3	19L4-0
1	252-113	Handle — Upper with Grips	X	X	X	X	X	X	X
2	323-305	Handle Grip	X	X	X	X	X	X	X
3	253-140	Handle Lower	X	X	X	X	X	X	X
4	901-210	Hex Cap Screw 5/16 NC x 1 1/2	X	X	X	X	X	X	X
5	982-200	Lock Washer 5/16 Split Type	X	X	X	X	X	X	X
6	960-200	Nut, 5/16 NC Hex	X	X	X	X	X	X	X
7	251-105	Quadrant — Handle	X	X	X	X	X	X	X
8	901-205	Hex Cap Screw 5/16 NC x 3/4	X	X	X	X	X	X	X
9	031-102	Chute Deflector 21"	X	X	X	X	X		
	031-103	Chute Deflector 19"						X	X
10	901-186	Hex Cap Screw 1/4 NC x 3/4	X	X	X	X	X	X	X
11	982-181	Lock Washer 1/4 Split Type	X	X	X	X	X	X	X
12	960-181	Nut 1/4 NC Hex	X	X	X	X	X	X	X
13A	082-109	Wheel & Tire Assembly — Includes #20A	X	X				X	
	082-110	Wheel & Tire Assembly — Includes #20A			X	X	X		
13B	083-106	Wheel & Tire Assembly — Includes #20B							X
14	999-447	Hex Cap Screw 1/2 NC x 3 3/4 Special	X	X	X	X	X	X	X
15	999-402	Nut 1/2 NC Square — Milled Corners	X	X	X	X	X	X	X
16	981-271	Washer 1/2 SAE Flat	X	X	X	X	X	X	X
17	962-271	Nut 1/2 NC Hex Jam	X	X	X	X	X	X	X
18	082-119	Wheel Assembly — Includes #20A	X	X	X	X	X	X	
19	083-103	Wheel — Less Tire and Bearings	X	X	X	X	X	X	
20A	243-103	Bearing — Wheel	X	X	X	X	X	X	
20B	243-104	Bearing — Wheel							X
21	263-102	Tire 8 x 1.75 Semi Pneu — Rib Tread	X	X				X	
	263-104	Tire 8 x 1.75 Semi Pneu — Smooth Tread			X	X	X		
22	980-200	Washer 5/16 Flat	X	X	X	X	X	X	X
23	032-101	Drag Shield Assembly — Rear	X	X	X	X	X		
	032-103	Drag Shield Assembly — Rear						X	X
24	033-106	Shield Plate — Rear	X	X	X	X	X		
	033-104	Shield Plate — Rear						X	X
25	323-103	Shield Rubber	X	X	X	X	X		
	323-102	Shield Rubber						X	X
26	032-102	Drag Shield Assembly — Front	X	X	X	X	X		
	032-104	Drag Shield Assembly — Front						X	X
27	033-107	Shield Plate — Front	X	X	X	X	X		
	033-105	Shield Plate — Front						X	X
28	996-142	Key #6 Woodruff	X	X				X	X
	995-185	Key 1/4 Square x 5/8			X	X	X		
29	133-102	Crankshaft Protector 7/8" Bore	X	X				X	X
	133-103	Crankshaft Protector 1" Bore			X	X	X		
30	901-211	Hex Cap Screw 5/16 NC x 1 3/4	X	X	X	X	X	X	X
31	183-101	Blade Adapter 7/8" Bore	X	X					
	183-104	Blade Adapter 7/8" Bore						X	X
	183-102	Blade Adapter 1" Bore			X	X	X		
32	183-103	Flywheel 10" Balanced	X	X	X	X	X	X	X
33	123-101	Blade, 21" Welded Tip Airlift	X	X	X	X	X		
34	123-105	Blade, 19" Formed Airlift						X	X
35	904-232	Blade Bolt — Hex Cap Screw 3/8 NF x 1 3/4 GR 5	X	X	X	X	X	X	X
36	133-106	Deck, 19" Cutting						X	X
	133-105	Deck, 21" Cutting	X	X	X	X	X		
37	980-181	Washer 1/4 Flat	X	X	X	X	X		X
38	323-320	Grease Fitting Cap							X
39	263-108	Tire 8 x 1.75 Semi-Pneu. Rib Tread							X
		Briggs & Stratton 3.5 HP #92902 Rotator	X					X	
		Briggs & Stratton 4.0 HP #110908 Rotator		X					X
		Briggs & Stratton 5.0 HP #130902			X				
		Briggs & Stratton 5.0 HP #110908							
		Valve Rotator & Stellite Valve/Seat				X			
		Briggs & Stratton 5.0 HP #131922 I/C					X		

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

POWER MOWER OWNER'S MANUAL

MODELS: 11G3-2  
11G4-2  
11G5-2  
11G5-4  
11G5-5  
19G3-3  
19L4-0



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## SAFETY



### Caution Symbol

THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
5. Do not allow children to operate mower. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.
22. Follow maintenance instructions as outlined in this manual.
23. DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE CHUTE DEFLECTOR OR OPTIONAL GRASS CATCHER IN PLACE.**

Place Chute Deflector (Item # 9 ) on top of Deck Grass Chute. Secure using Hex Cap Screws  $\frac{1}{4}$  NC x  $\frac{3}{4}$ , Flat Washers, Lock Washers and Hex Nuts provided.

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item #3 to the Upper Handle Item #1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #4. Tighten securely with Lock Washers and Hex Nuts provided.

2. Install the assembled handle onto one of the handle quadrants Item #7 by placing the slot in the lower loop over the large pin of the handle quadrant. Pull on the handle to spring it over the large pin on the opposite quadrant.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided).

## SWING-OVER HANDLE OPERATION



Figure 1

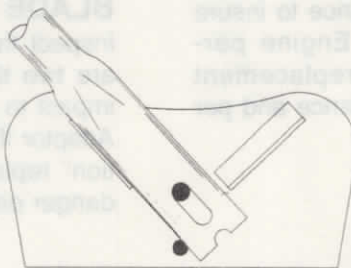


Figure 2

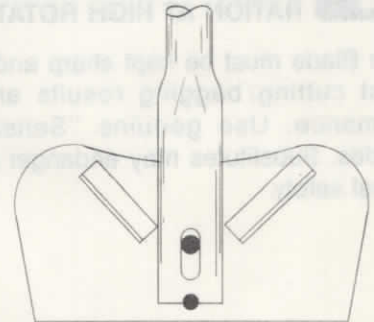


Figure 3

**Mowing** — to swing the handle from one end to the other, lift the handle slightly and pull it up toward you. Swing the handle to the opposite side (see Fig. #1). Push the handle down slightly to its lock position (see Fig. #2).

**Storage** — (1) Swing the handle up to an upright position. Center the handle over the two small pins on the handle quadrants. Push the handle down slightly to its lock position (see Fig. #3). (2) Removal, follow step #2 Set-up Instructions but in reverse.

## CUTTING HEIGHT ADJUSTMENT



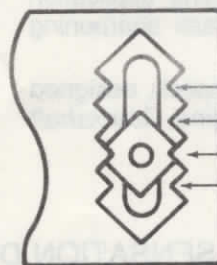
**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

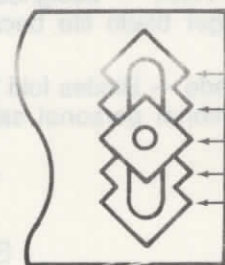
- Loosen the  $\frac{1}{2}$  Hex Nut (Item #17) so that it can be turned by hand.
- Unscrew the Hex Nut until the Square Nut (Item #15) comes out of the Deck Wheel Pad.
- Position the Square Nut in the slot of desired height wanted. The Square Nut has Milled Out Corners for added adjustment as illustrated.

4. Hand tighten the Hex Nut.

5. Tighten the Hex Nut securely without letting the Axle Bolt turn.



$\frac{1}{4}$ " increments



$\frac{1}{2}$ " increments

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

The wheels have a grease hole on the inside hub. Lubricate each wheel as required using a grease gun. Sensation markets a grease gun made special for the purpose. Order model #3XGG-0.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #31. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item #31) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are different styles of Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### BLADES

Welded Tips — Hi Airlift designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft

protection. Attaches to Flywheel Item #32. Conventional Blade is removed.

### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone—means less downtime for servicing filter element.

### GREASE GUN KIT

Used for lubricating Wheel Bearings.

### WEAR PLATE KIT

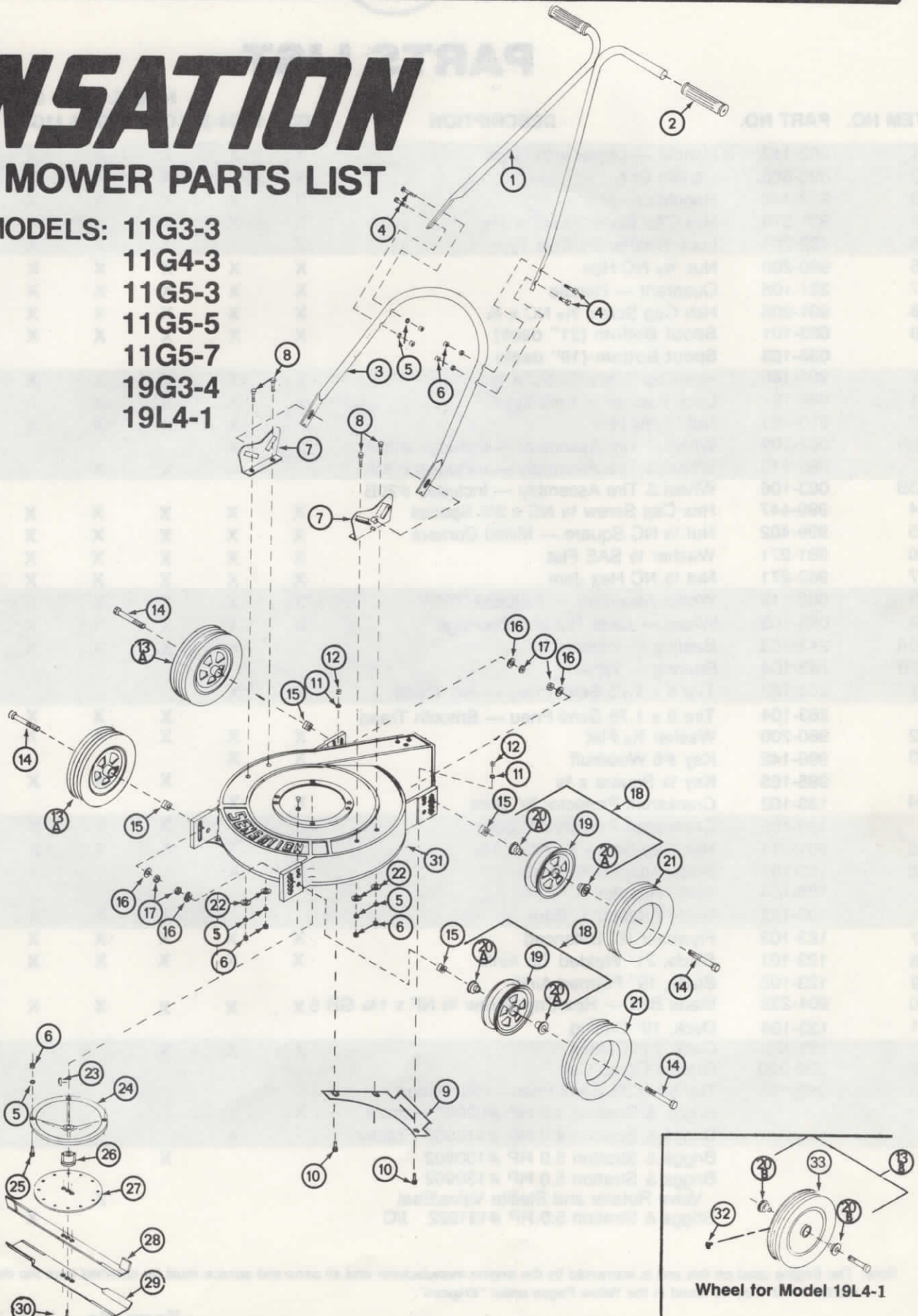
Fasten to the side of Deck to eliminate side deck wear due to concrete and brick walls.

SEE YOUR SENSATION DEALER FOR MORE DETAILS

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11G3-3  
 11G4-3  
 11G5-3  
 11G5-5  
 11G5-7  
 19G3-4  
 19L4-1



Wheel for Model 19L4-1



## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON						
			11G3-3	11G4-3	11G5-3	11G5-5	11G5-7	19G3-4	19L4-1
1	252-113	Handle — Upper with Grips	X	X	X	X	X	X	X
2	323-305	Handle Grip	X	X	X	X	X	X	X
3	253-140	Handle Lower	X	X	X	X	X	X	X
4	901-210	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{1}{2}$	X	X	X	X	X	X	X
5	982-200	Lock Washer $\frac{5}{16}$ Split Type	X	X	X	X	X	X	X
6	960-200	Nut, $\frac{5}{16}$ NC Hex	X	X	X	X	X	X	X
7	251-105	Quadrant — Handle	X	X	X	X	X	X	X
8	901-205	Hex Cap Screw $\frac{5}{16}$ NC x $\frac{3}{4}$	X	X	X	X	X	X	X
9	033-101	Spout Bottom (21" deck)	X	X	X	X	X		
	033-103	Spout Bottom (19" deck)						X	X
10	901-186	Hex Cap Screw $\frac{1}{4}$ NC x $\frac{3}{4}$	X	X	X	X	X	X	X
11	982-181	Lock Washer $\frac{1}{4}$ Split Type	X	X	X	X	X	X	X
12	960-181	Nut $\frac{1}{4}$ NC Hex	X	X	X	X	X	X	X
13A	082-109	Wheel & Tire Assembly — Includes #20A	X	X				X	
	082-110	Wheel & Tire Assembly — Includes #20A			X	X			
13B	083-106	Wheel & Tire Assembly — Includes #20B							X
14	999-447	Hex Cap Screw $\frac{1}{2}$ NC x $3\frac{3}{4}$ Special	X	X	X	X	X	X	X
15	999-402	Nut $\frac{1}{2}$ NC Square — Milled Corners	X	X	X	X	X	X	X
16	981-271	Washer $\frac{1}{2}$ SAE Flat	X	X	X	X	X	X	X
17	962-271	Nut $\frac{1}{2}$ NC Hex Jam	X	X	X	X	X	X	X
18	082-119	Wheel Assembly — Includes #20A	X	X	X	X	X	X	
19	083-103	Wheel — Less Tire and Bearings	X	X	X	X	X	X	
20A	243-103	Bearing — Wheel	X	X	X	X	X	X	
20B	243-104	Bearing — Wheel							X
21	263-102	Tire 8 x 1.75 Semi Pneu — Rib Tread	X	X				X	
	263-104	Tire 8 x 1.75 Semi Pneu — Smooth Tread			X	X	X		
22	980-200	Washer $\frac{5}{16}$ Flat	X	X	X	X	X	X	X
23	996-142	Key #6 Woodruff	X	X				X	X
	995-185	Key $\frac{1}{4}$ Square x $\frac{5}{8}$			X	X	X		
24	133-102	Crankshaft Protector $\frac{7}{8}$ " Bore	X	X				X	X
	133-103	Crankshaft Protector 1" Bore			X	X	X		
25	901-211	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{3}{4}$	X	X	X	X	X	X	X
26	183-101	Blade Adapter $\frac{7}{8}$ " Bore	X	X					
	183-104	Blade Adapter $\frac{7}{8}$ " Bore						X	X
	183-102	Blade Adapter 1" Bore			X	X	X		
27	183-103	Flywheel 10" Balanced	X	X	X	X	X	X	X
28	123-101	Blade, 21" Welded Tip Airlift	X	X	X	X	X		
29	123-105	Blade, 19" Formed Airlift						X	X
30	904-232	Blade Bolt — Hex Cap Screw $\frac{3}{8}$ NF x $1\frac{3}{4}$ GR 5	X	X	X	X	X	X	X
31	133-106	Deck, 19" Cutting						X	X
	133-105	Deck, 21" Cutting	X	X	X				
32	323-320	Grease Fitting Cap							X
33	263-108	Tire 8 x 1.75 Semi Pneu — Rib Tread							X
		Briggs & Stratton 3.5 HP #92902 Rotator	X					X	
		Briggs & Stratton 4.0 HP #110908 Rotator		X					X
		Briggs & Stratton 5.0 HP #130902			X				
		Briggs & Stratton 5.0 HP #130902							
		Valve Rotator and Stellite Valve/Seat				X			
		Briggs & Stratton 5.0 HP #131922 I/C					X		

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

## **POWER MOWER OWNER'S MANUAL**

**MODELS: 11G3-3  
11G4-3  
11G5-3  
11G5-5  
11G5-7  
19G3-4  
19L4-1**



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## SAFETY



### Caution Symbol

**THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.**

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
5. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Check grass catcher frequently for wear or deterioration. Repair or replace with new grass catcher for safety protection.
22. Follow maintenance instructions as outlined in this manual.
23. **DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.**
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item #3 to the Upper Handle Item #1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #4. Tighten securely with Lock Washers and Hex Nuts provided.
2. Install the assembled handle onto one of the handle quadrants Item #7 by placing the slot in the lower loop over the large pin of the handle quadrant. Pull on the handle to spring it over the large pin on the opposite quadrant.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided).

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE OPTIONAL GRASS CATCHER OR CHUTE DEFLECTOR IN PLACE.**

## SWING-OVER HANDLE OPERATION

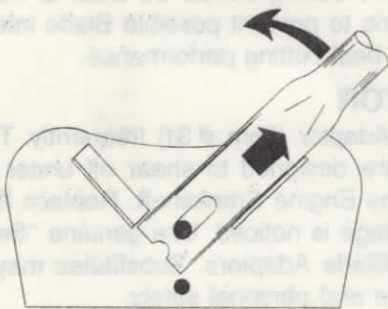


Figure 1

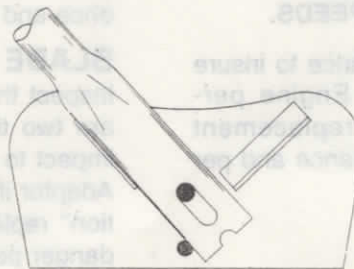


Figure 2

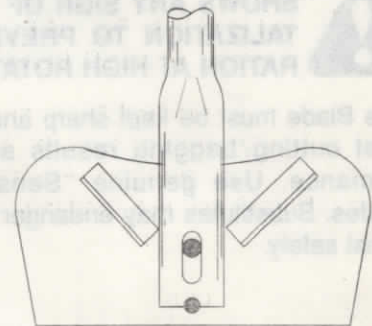


Figure 3

**Mowing** — to swing the handle from one end to the other, lift the handle slightly and pull it up toward you. Swing the handle to the opposite side (see Fig. #1). Push the handle down slightly to its lock position (see Fig. #2).

**Storage** — (1) Swing the handle up to an upright position. Center the handle over the two small pins on the handle quadrants. Push the handle down slightly to its lock position (see Fig. #3). (2) Removal, follow step #2 Set-up Instructions but in reverse.

## CUTTING HEIGHT ADJUSTMENT



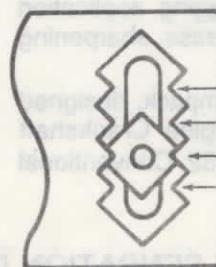
**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

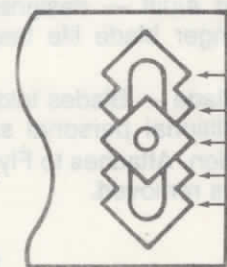
1. Loosen the  $\frac{1}{2}$  Hex Nut (Item #17) so that it can be turned by hand.
2. Unscrew the Hex Nut until the Square Nut (Item #15) comes out of the Deck Wheel Pad.
3. Position the Square Nut in the slot of desired height wanted. The Square Nut has Milled Out Corners for added adjustment as Illustrated.

4. Hand tighten the Hex Nut.

5. Tighten the Hex Nut securely without letting the Axle Bolt turn.



$\frac{1}{4}$ " increments



$\frac{1}{2}$ " increments

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

The wheels have a grease hole on the inside hub. Lubricate each wheel as required using a grease gun. Sensation markets a grease gun made special for the purpose. Order model #3XGG-0.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #31. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item # 31) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are different styles of Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### BLADES

Welded Tips — Hi Airlift designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft protection. Attaches to Flywheel Item #32 Conventional Blade is removed.

### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone—means less downtime for servicing filter element.

### GREASE GUN KIT

Used for lubricating Wheel Bearings.

### WEAR PLATE KIT

Fasten to the side of Deck to eliminate side deck wear due to concrete and brick walls.

### CHUTE DEFLECTOR

Deflects grass clipping discharge downward to ground level when grass catcher is not used.

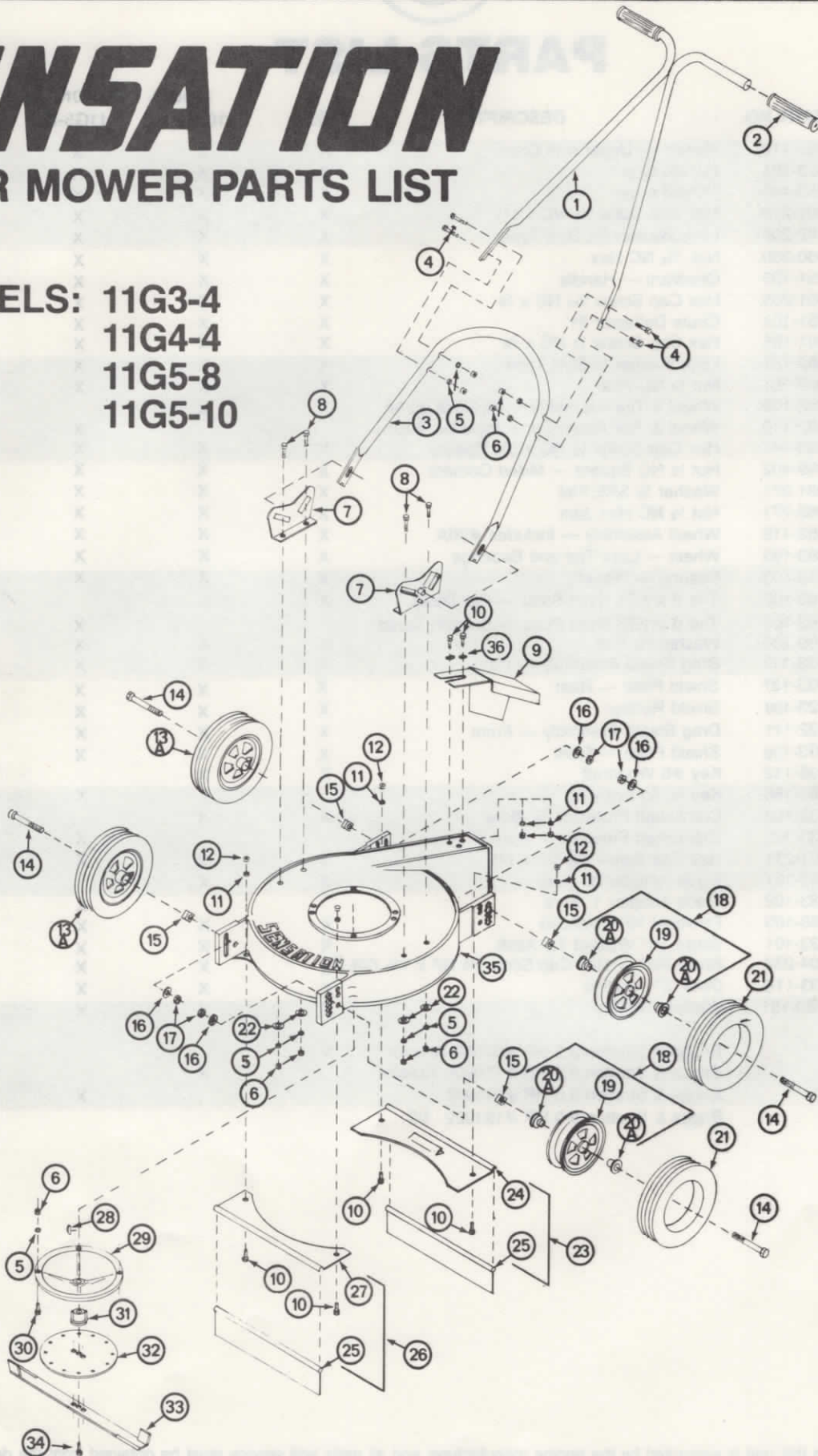
SEE YOUR SENSATION DEALER FOR MORE DETAILS

COMMERCIAL

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11G3-4  
11G4-4  
11G5-8  
11G5-10



## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON			
			11G3-4	11G4-4	11G5-8	11G5-10
1	252-113	Handle — Upper with Grips	X	X	X	X
2	323-305	Handle Grip	X	X	X	X
3	253-140	Handle Lower	X	X	X	X
4	901-210	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{1}{2}$	X	X	X	X
5	982-200	Lock Washer $\frac{5}{16}$ Split Type	X	X	X	X
6	960-200	Nut, $\frac{5}{16}$ NC Hex	X	X	X	X
7	251-105	Quadrant — Handle	X	X	X	X
8	901-205	Hex Cap Screw $\frac{5}{16}$ NC x $\frac{3}{4}$	X	X	X	X
9	031-102	Chute Deflector 21"	X	X	X	X
10	901-186	Hex Cap Screw $\frac{1}{4}$ NC x $\frac{3}{4}$	X	X	X	X
11	982-181	Lock Washer $\frac{1}{4}$ Split Type	X	X	X	X
12	960-181	Nut $\frac{1}{4}$ NC Hex	X	X	X	X
13A	082-109	Wheel & Tire Assembly — Includes #20A	X	X		
	082-110	Wheel & Tire Assembly — Includes #20A			X	X
14	999-447	Hex Cap Screw $\frac{1}{2}$ NC x $3\frac{3}{4}$ Special	X	X	X	X
15	999-402	Nut $\frac{1}{2}$ NC Square — Milled Corners	X	X	X	X
16	981-271	Washer $\frac{1}{2}$ SAE Flat	X	X	X	X
17	962-271	Nut $\frac{1}{2}$ NC Hex Jam	X	X	X	X
18	082-119	Wheel Assembly — Includes #20A	X	X	X	X
19	083-103	Wheel — Less Tire and Bearings	X	X	X	X
20A	243-103	Bearing — Wheel	X	X	X	X
21	263-102	Tire 8 x 1.75 Semi Pneu — Rib Tread	X	X		
	263-104	Tire 8 x 1.75 Semi Pneu — Smooth Tread			X	X
22	980-200	Washer $\frac{5}{16}$ Flat	X	X	X	X
23	032-112	Drag Shield Assembly — Rear	X	X	X	X
24	033-127	Shield Plate — Rear	X	X	X	X
25	323-109	Shield Rubber	X	X	X	X
26	032-111	Drag Shield Assembly — Front	X	X	X	X
27	033-126	Shield Plate — Front	X	X	X	X
28	996-142	Key #6 Woodruff	X	X		
	995-185	Key $\frac{1}{4}$ Square x $\frac{5}{8}$			X	X
29	133-102	Crankshaft Protector $\frac{7}{8}$ " Bore	X	X		
	133-103	Crankshaft Protector 1" Bore			X	X
30	901-211	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{3}{4}$	X	X	X	X
31	183-101	Blade Adapter $\frac{7}{8}$ " Bore	X	X		
	183-102	Blade Adapter 1" Bore			X	X
32	183-103	Flywheel 10" Balanced	X	X	X	X
33	123-101	Blade, 21" Welded Tip Airlift	X	X	X	X
34	904-232	Blade Bolt — Hex Cap Screw $\frac{3}{8}$ NF x $1\frac{1}{4}$ GR 5	X	X	X	X
35	133-116	Deck, 21" Cutting	X	X	X	X
36	980-181	Washer $\frac{1}{4}$ Flat	X	X	X	X
		Briggs & Stratton 3.5 HP #92902 Rotator	X			
		Briggs & Stratton 4.0 HP #110908 Rotator		X		
		Briggs & Stratton 5.0 HP #130902			X	
		Briggs & Stratton 5.0 HP #131922 I/C				X

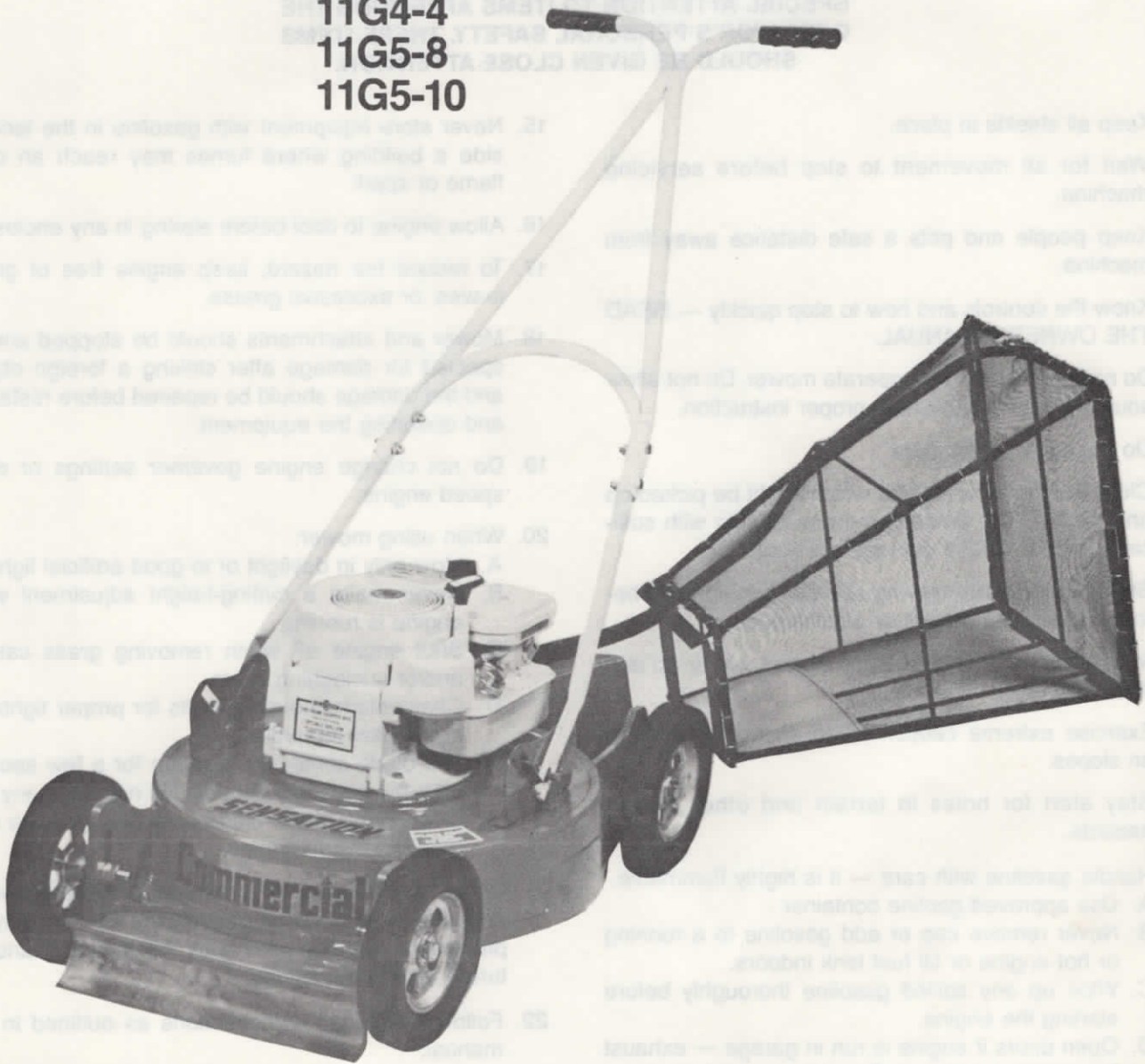
Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

POWER MOWER OWNER'S MANUAL

MODELS: 11G3-4  
11G4-4  
11G5-8  
11G5-10



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA



## SAFETY



### Caution Symbol

THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
5. Do not allow children to operate mower. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.
22. Follow maintenance instructions as outlined in this manual.
23. DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE CHUTE DEFLECTOR OR OPTIONAL GRASS CATCHER IN PLACE.**

Place Chute Deflector (Item # 9 ) on top of Deck Grass Chute. Secure using Hex Cap Screws  $\frac{1}{4}$  NC x  $\frac{3}{4}$ , Flat Washers Lock Washers and Hex Nuts provided.

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item #3 to the Upper Handle Item #1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #4. Tighten securely with Lock Washers and Hex Nuts provided.

2. Install the assembled handle onto one of the handle quadrants Item #7 by placing the slot in the lower loop over the large pin of the handle quadrant. Pull on the handle to spring it over the large pin on the opposite quadrant.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided).

## SWING-OVER HANDLE OPERATION

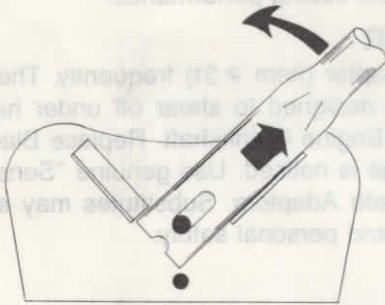


Figure 1

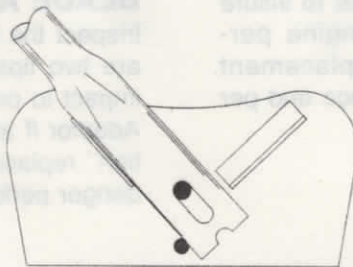


Figure 2

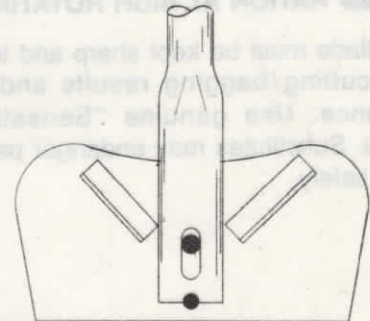


Figure 3

Mowing — to swing the handle from one end to the other, lift the handle slightly and pull it up toward you. Swing the handle to the opposite side (see Fig. #1). Push the handle down slightly to its lock position (see Fig. #2).

Storage — (1) Swing the handle up to an upright position. Center the handle over the two small pins on the handle quadrants. Push the handle down slightly to its lock position (see Fig. #3). (2) Removal, follow step #2 Set-up Instructions but in reverse.

## CUTTING HEIGHT ADJUSTMENT



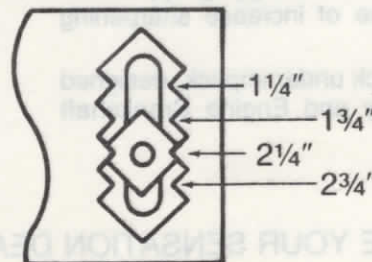
**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

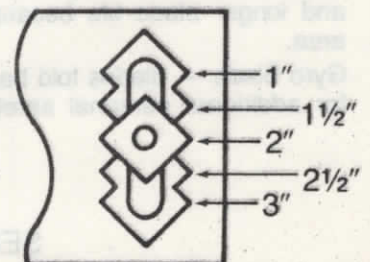
1. Loosen the  $\frac{1}{2}$  Hex Nut (Item #17) so that it can be turned by hand.
2. Unscrew the Hex Nut until the Square Nut (Item #15) comes out of the Deck Wheel Pad.
3. Position the Square Nut in the slot of desired height. The Square Nut has Milled Out Corners for added adjustment as Illustrated.

4. Hand tighten the Hex Nut.

5. Tighten the Hex Nut securely without letting the Axle Bolt turn.



$\frac{1}{4}$ " increments



$\frac{1}{2}$ " increments

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

The wheels have a grease hole on the inside hub. Lubricate each wheel as required using a grease gun. Sensation markets a grease gun made special for the purpose. Order model #3XGG-0.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #31. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item # 31) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are different styles of Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### BLADES

Welded Tips — Hi Airlift designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft

protection. Attaches to Flywheel Item #32 Conventional Blade is removed.

### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone—means less downtime for servicing filter element.

### GREASE GUN KIT

Used for lubricating Wheel Bearings.

### WEAR PLATE KIT

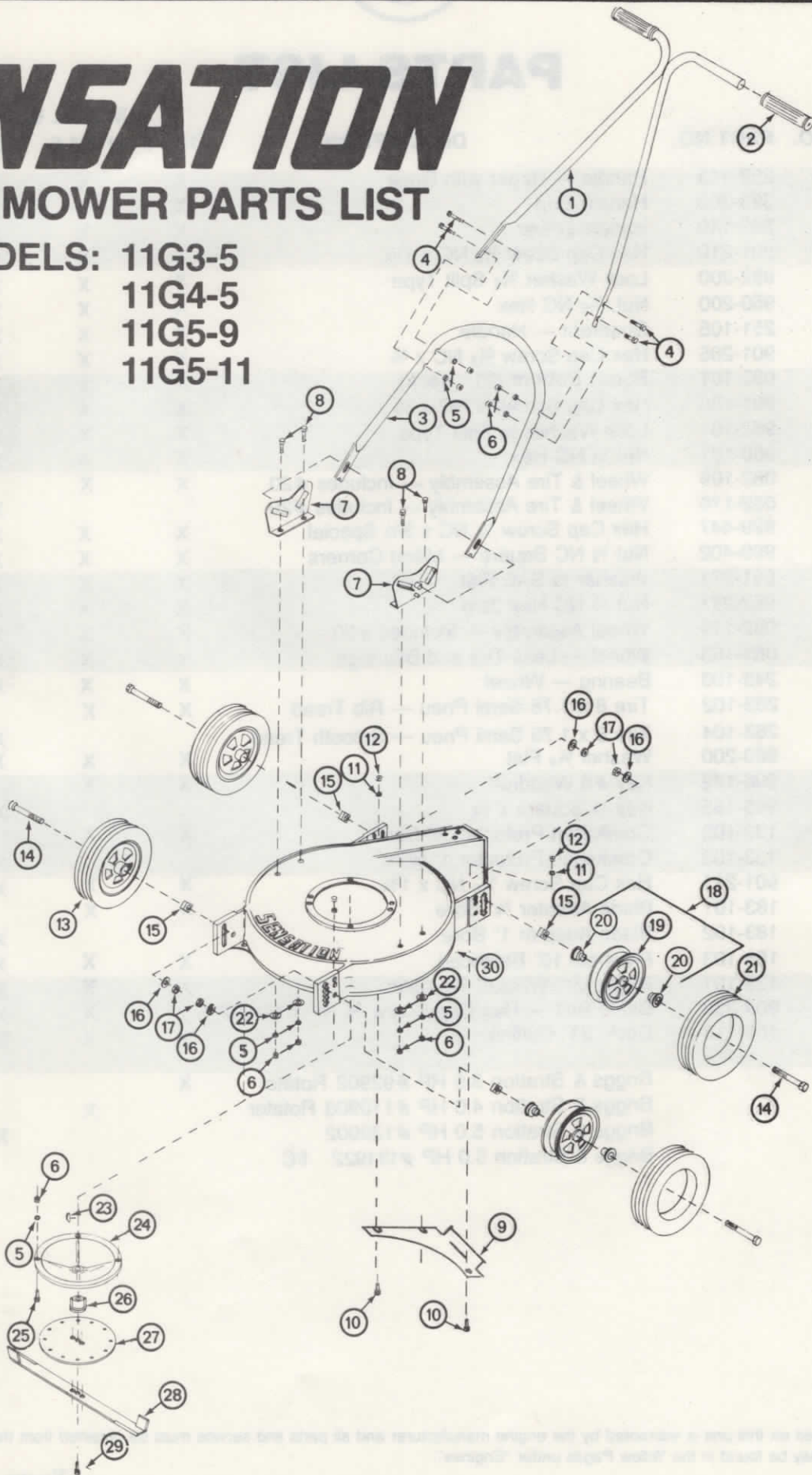
Fasten to the side of Deck to eliminate side deck wear due to concrete and brick walls.

SEE YOUR SENSATION DEALER FOR MORE DETAILS

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11G3-5  
11G4-5  
11G5-9  
11G5-11



## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON			
			11G3-5	11G4-5	11G5- <sup>e</sup>	11G5-11
1	252-113	Handle — Upper with Grips	X	X	X	X
2	323-305	Handle Grip	X	X	X	X
3	253-140	Handle Lower	X	X	X	X
4	901-210	Hex Cap Screw $\frac{5}{16}$ NC x 1 $\frac{1}{2}$	X	X	X	X
5	982-200	Lock Washer $\frac{5}{16}$ Split Type	X	X	X	X
6	960-200	Nut, $\frac{5}{16}$ NC Hex	X	X	X	X
7	251-105	Quadrant — Handle	X	X	X	X
8	901-205	Hex Cap Screw $\frac{5}{16}$ NC x $\frac{3}{4}$	X	X	X	X
9	033-101	Spout Bottom (21" deck)	X	X	X	X
10	901-186	Hex Cap Screw $\frac{1}{4}$ NC x $\frac{3}{4}$	X	X	X	X
11	982-181	Lock Washer $\frac{1}{4}$ Split Type	X	X	X	X
12	960-181	Nut $\frac{1}{4}$ NC Hex	X	X	X	X
13	082-109	Wheel & Tire Assembly — Includes #20	X	X		
	082-110	Wheel & Tire Assembly — Includes #20			X	X
14	999-447	Hex Cap Screw $\frac{1}{2}$ NC x 3 $\frac{3}{4}$ Special	X	X	X	X
15	999-402	Nut $\frac{1}{2}$ NC Square — Milled Corners	X	X	X	X
16	981-271	Washer $\frac{1}{2}$ SAE Flat	X	X	X	X
17	962-271	Nut $\frac{1}{2}$ NC Hex Jam	X	X	X	X
18	082-119	Wheel Assembly — Includes #20	X	X	X	X
19	083-103	Wheel — Less Tire and Bearings	X	X	X	X
20	243-103	Bearing — Wheel	X	X	X	X
21	263-102	Tire 8 x 1.75 Semi Pneu — Rib Tread	X	X		
	263-104	Tire 8 x 1.75 Semi Pneu — Smooth Tread			X	X
22	980-200	Washer $\frac{5}{16}$ Flat	X	X	X	X
23	996-142	Key #6 Woodruff	X	X		
	995-185	Key $\frac{1}{4}$ Square x $\frac{5}{8}$			X	X
24	133-102	Crankshaft Protector $\frac{7}{8}$ " Bore	X	X		
	133-103	Crankshaft Protector 1" Bore			X	X
25	901-211	Hex Cap Screw $\frac{5}{16}$ NC x 1 $\frac{3}{4}$	X	X	X	X
26	183-101	Blade Adapter $\frac{7}{8}$ " Bore	X	X		
	183-102	Blade Adapter 1" Bore			X	X
27	183-103	Flywheel 10" Balanced	X	X	X	X
28	123-101	Blade, 21" Welded Tip Airlift	X	X	X	X
29	904-232	Blade Bolt — Hex Cap Screw $\frac{3}{8}$ NF x 1 $\frac{3}{4}$ GR 5	X	X	X	X
30	133-116	Deck, 21" Cutting	X	X	X	X
		Briggs & Stratton 3.5 HP #92902 Rotator	X			
		Briggs & Stratton 4.0 HP #110908 Rotator		X		
		Briggs & Stratton 5.0 HP #130902			X	
		Briggs & Stratton 5.0 HP #131922 I/C				X

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

**POWER MOWER OWNER'S MANUAL**

**MODELS: 11G3-5  
11G4-5  
11G5-9  
11G5-11**



**THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA**

## SAFETY



### Caution Symbol

THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
5. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Check grass catcher frequently for wear or deterioration. Repair or replace with new grass catcher for safety protection.
22. Follow maintenance instructions as outlined in this manual.
23. DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item #3 to the Upper Handle Item #1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #4. Tighten securely with Lock Washers and Hex Nuts provided.
2. Install the assembled handle onto one of the handle quadrants Item #7 by placing the slot in the lower loop over the large pin of the handle quadrant. Pull on the handle to spring it over the large pin on the opposite quadrant.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided).

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE OPTIONAL GRASS CATCHER OR CHUTE DEFLECTOR IN PLACE.**

## SWING-OVER HANDLE OPERATION

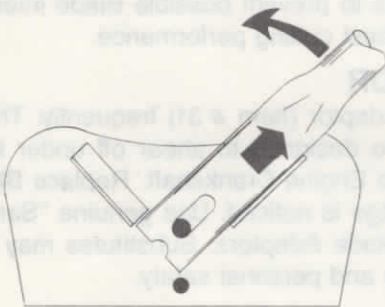


Figure 1

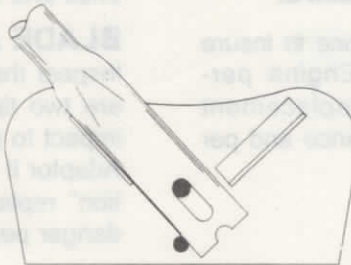


Figure 2

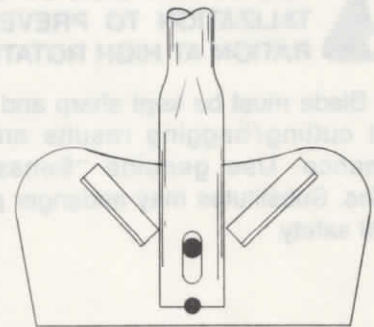


Figure 3

Mowing — to swing the handle from one end to the other, lift the handle slightly and pull it up toward you. Swing the handle to the opposite side (see Fig. #1). Push the handle down slightly to its lock position (see Fig. #2).

Storage — (1) Swing the handle up to an upright position. Center the handle over the two small pins on the handle quadrants. Push the handle down slightly to its lock position (see Fig. #3). (2) Removal, follow step #2 Set-up Instructions but in reverse.

## CUTTING HEIGHT ADJUSTMENT



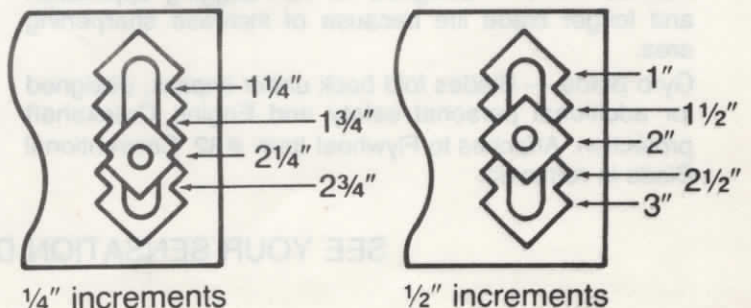
**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

1. Loosen the  $\frac{1}{2}$  Hex Nut (Item #17) so that it can be turned by hand.
2. Unscrew the Hex Nut until the Square Nut (Item #15) comes out of the Deck Wheel Pad.
3. Position the Square Nut in the slot of desired height wanted. The Square Nut has Milled Out Corners for added adjustment as Illustrated.

4. Hand tighten the Hex Nut.

5. Tighten the Hex Nut securely without letting the Axle Bolt turn.



$\frac{1}{4}$ " increments

$\frac{1}{2}$ " increments



## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

The wheels have a grease hole on the inside hub. Lubricate each wheel as required using a grease gun. Sensation markets a grease gun made special for the purpose. Order model #3XGG-0.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #31. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item #31) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are different styles of Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### BLADES

Welded Tips — Hi Airlift designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft protection. Attaches to Flywheel Item #32 Conventional Blade is removed.

### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone—means less downtime for servicing filter element.

### GREASE GUN KIT

Used for lubricating Wheel Bearings.

### WEAR PLATE KIT

Fasten to the side of Deck to eliminate side deck wear due to concrete and brick walls.

### CHUTE DEFLECTOR

Deflects grass clipping discharge downward to ground level when grass catcher is not used.

SEE YOUR SENSATION DEALER FOR MORE DETAILS

COMMERCIAL

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11H3-0 (421 RD)  
11J3-0 (421 RS)  
11J3-1  
11J3-2  
11J3-3  
11J4-0  
11J7-0



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## PARTS LIST

ITEM	PART NO.	DESCRIPTION	MODEL USED ON						
			11H3-0	11J3-0	11J3-1	11J3-2	11J3-3	11J4-0	11J7-0
1	253-121	Handle — Upper	X	X	X	X	X	X	X
2	323-104	Knob — Folding Handle	X	X	X	X	X	X	X
3	253-120	Handle — Lower	X	X	X	X	X	X	X
4	999-464	Screw #19/32 x 1/2	X	X	X	X	X	X	X
5	203-103	Clip — Retainer	X	X	X	X	X	X	X
6	323-106	Plastic Tip	X	X	X	X	X	X	X
7	999-457	Curved Head Carriage Bolt 5/16 NC X 1 5/8	X	X	X	X	X	X	X
8	970-200	Nut 5/16 NC Hex Whiz-Lock	X	X	X	X	X	X	X
9	253-122	Plug — Handle Tube	X	X	X	X	X	X	X
*10	033-110	Grass Bag — Polyester	X	X	X	X	X	X	X
*11	023-928	Frame Wire — Grass Bag	X	X	X	X	X	X	X
*12	023-930	Lower Rod — Frame Wire	X	X	X	X	X	X	X
*13	999-462	Nut 1/4 Push-on Chrome	X	X	X	X	X	X	X
*14	999-461	Nut 1/4 Push-on Plastic	X	X	X	X	X	X	X
*15	023-929	Upper Rod — Frame Wire	X	X	X	X	X	X	X
*16	323-105	Catcher Door — Plastic	X	X	X	X	X	X	X
17	993-308	Clevis Pin 5/16 x 1 3/8 Special	X	X	X	X	X	X	X
18	023-949	Chute Door	X	X	X	X	X	X	X
19	203-102	Spring	X	X	X	X	X	X	X
20	031-101	Mounting Bracket — Chute Door	X	X	X	X	X	X	X
21	901-185	Hex Cap Screw 1/4 NC x 5/8	X	X	X	X	X	X	X
22	989-200	Retaining Clip 5/16	X	X	X	X	X	X	X
23	970-181	Nut 1/4 NC Hex	X	X	X	X	X	X	X
23	982-181	Lock Washer 1/4 Split Type	X	X	X	X	X	X	X
24	—	Decal — Not Available	X	X					
25	901-185	Hex Cap Screw 1/4 NC x 5/8	X	X	X	X	X	X	X
26	033-112	Shield Plate — Rear	X	X	X	X	X	X	X
27	323-103	Shield Rubber	X	X	X	X	X	X	X
28	901-211	Hex Cap Screw 5/16 NC x 1 3/4	X	X	X	X	X	X	X
29	980-200	Washer 5/16 Flat	X	X	X	X	X	X	X
30	982-200	Lock Washer 5/16 Split Type	X	X	X	X	X	X	X
31	960-200	Nut 5/16 NC Hex	X	X	X	X	X	X	X
32	999-456	Shoulder Bolt — Wheel	X	X	X	X	X	X	X
33	083-210	Wheel & Tire Assembly with Bearings		X					
34	980-200	Washer 5/16 Flat	X	X	X	X	X	X	X
35	323-101	Handle Tip — Height Adjustor	X	X	X	X	X	X	X
36	901-232	Hex Cap Screw 3/8 NC x 1 3/4	X	X	X	X	X	X	X
37	213-111	Handle — Height Adjustor	X	X	X	X	X	X	X
38	213-110	Wheel Arm — Height Adjustor	X	X	X	X	X	X	X
39	213-109	Bracket — Height Adjustor	X	X	X	X	X	X	X
40	273-105	Mounting Spacer — Height Adjustor	X	X	X	X	X	X	X
41	970-224	Nut 3/8 NC Hex Whizlock	X	X	X	X	X	X	X
42	133-102	Crankshaft Protector 7/8 Bore	X	X	X	X	X		
	133-113	Crankshaft Protector 7/8" Bore							X
43	996-142	Key #6 Woodruff	X	X	X	X	X	X	X
44	183-101	Blade Adaptor	X	X	X	X	X	X	X
45	183-103	Flywheel	X	X	X	X	X	X	X
46	123-101	Blade 21" Welded Tip Airlift	X	X	X	X	X	X	X
47	904-232	Blade Bolt 3/8 NF x 1 3/4 GR 5 HT	X	X	X	X	X	X	X
48	033-108	Shroud — Engine	X						
	933-141	Sheet Metal Screws #8 x 1/2	X						
49	263-103	Tire 8 x 1.75 Semi-Pneu. Waffle Tread	X			X			
	263-102	Tire 8 x 1.75 Semi-Pneu. Rib Tread			X		X		
	263-104	Tire 8 x 1.75 Semi-Pneu. Smooth Tread							X
50	083-103	Wheel — Less Tire & Bearings	X		X	X	X	X	X
51	243-102	Bearing — Wheel	X		X	X	X	X	X
52	082-106	Wheel & Tire Assembly — Includes #51	X		X				
	082-109	Wheel & Tire Assembly — Includes #51		X		X			
	082-110	Wheel & Tire Assembly — Includes #51							X
53	033-109	Plate — Deck Front	X						
	933-141	Sheet Metal Screws #8 x 1/2	X						
54	133-107	Deck 21" Cutting	X	X	X	X	X	X	X
55	—	Briggs & Stratton 3.5 HP #92908	X	X	X	X			
	—	Briggs & Stratton 3.5 HP #92908 Rotator				X	X		
	—	Briggs & Stratton 4.0 HP #110908						X	
	—	Honda 3.5 HP #GV150							X
56	082-119	Wheel Assembly — Includes #51	X			X		X	X
	022-905	Replacement Grass Catcher Bag Ass'y							
		Includes items #10, #11, #12, #13, #14, #15, #16	X	X	X	X	X	X	X

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

**POWER MOWER OWNER'S MANUAL**

**MODELS: 11H3-0**

**11J3-0**

**11J3-1**

**11J3-2**

**11J3-3**

**11J4-0**

**11J7-0**



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## SAFETY



### Caution Symbol

**THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.**

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — **READ THE OWNER'S MANUAL.**
5. Do not allow children to operate mower. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Check grass catcher frequently for wear or deterioration. Repair or replace with new grass catcher for safety protection.
22. Follow maintenance instructions as outlined in this manual.
23. **DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.**
24. Do not operate mower without either the chute door or grass catcher in place.

## SET-UP INSTRUCTIONS

### HANDLE ASSEMBLY

1. Insert two Chrome Plugs Item #9 into the ends of the Lower Handle Item #3.
2. Position the Lower Handle onto the Deck with the Handle extending over the Discharge Chute End. Secure using four Curved Head Carriage Bolts Item #7 with Hex Flange Nuts provided.
3. Position the Upper Handle Item #1 onto the Lower Handle. Insert Curved Head Carriage Bolt, from the in-

side, into one of three holes which positions the Handle in the most comfortable mowing position for you. Secure using Black Plastic Knobs Item #2 provided.

NOTE: The Handle can be folded down for storage or transporting by loosening the two Black Knobs and swinging the Upper Handle over across the Engine.

### ENGINE

Follow Engine Manufacturer's Instructions (Refer to Engine Manual provided).

## OPERATION



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE CHUTE DEFLECTOR OR GRASS CATCHER IN PLACE OR CHUTE DOOR IN CLOSED POSITION.**

Lower corner of the Door engages and the recess provided on the face of the Catcher Door.

3. Push the Rear Frame of the Grass Catcher forward (toward mower) until it will go under the Clip on the Mower Handle and release.

NOTE: Do not raise Chute Door while Rear of Grass Catcher is being held by the Clip.

### REMOVING GRASS CATCHER BAG

1. Push the Rear of the Grass Catcher forward (toward Mower) until it can be lifted straight up, at the same time lift the front as shown in Figure #1. It is not necessary to shut off the engine when removing the Catcher as the Door will automatically close when you lift the Catcher out of the mowing position.

### EMPTY GRASS CATCHER BAG

1. Raise the back end of the Catcher Bag while holding the top of the Catcher plastic door in a downward position. The door will swing open allowing the clippings to drop out. When emptied, swing the Catcher Door down closing up the bag and install the Catcher as described. NOTE: Do not overfill Grass Bag when mowing, as it will be easier to empty if not packed completely.

### INSTALLING GRASS CATCHER BAG

1. Place the Grass Catcher through the Handle opening as shown in Figure #1, with the Black Catcher Door against the Chute Door on the Mower, and the Rear of the Catcher Frame resting on the Retaining Clip Item #5 mounted on the Lower Handle. NOTE: If the Plastic Door does not fit tight against the Chute as shown in Figure #1, it will be necessary to rebend the Catcher Frame which has been bent due to shipping.

#### To Rebend Frame

Place the Catcher on the floor in the same position as shown in Figure #1 so that the frame is resting on the surface at two points, front and rear. With a steady pressure push down on the pivot point of the Catcher Door until you feel the Frame straightening somewhat (about 3 inch movement down). This will increase the tension on the Catcher to maintain a tight fit when installed on the mower.

2. Reach down and lift the Door as in Figure #2. The Door will pivot upward and stay in position when the



Figure 1



Figure 2

## CUTTING HEIGHT ADJUSTMENT



**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

Your mower can cut grass at heights from 1" to 3". Adjustments for height may be made by moving knob away from the deck to disengage locking pin from quad plate hole and then moving forward or backward until desired height is obtained. When desired height is obtained release knob into locking hole. All wheels should be placed at the same setting for even grass cutting. Refer to Figure #1.

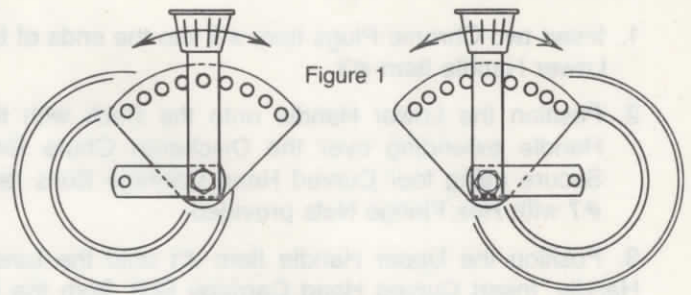


Figure 1

Height adjustment with lever

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

The wheels have a grease hole on the inside hub. Lubricate each wheel as required using a grease gun. Sensation markets a grease gun made special for this purpose. Order Model #3XGG-0.

### GRASS CATCHER BAG

The grass catcher bag may become dusty and dirty from use. You can clean the bag made from polyester material by washing it off with the common water pressure from the nozzle of a garden hose. Let dry before using again.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #44. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item #44) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone—means less downtime for servicing filter element.

### BLADES

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft protection. Attaches to Flywheel Item #45 Conventional Blade is removed.

### WEAR PLATE KIT

Fasten to the side of the Deck to eliminate side deck wear due to concrete and brick walls.

### GREASE GUN KIT

Used for lubricating wheel bearings.

### CHUTE DEFLECTOR

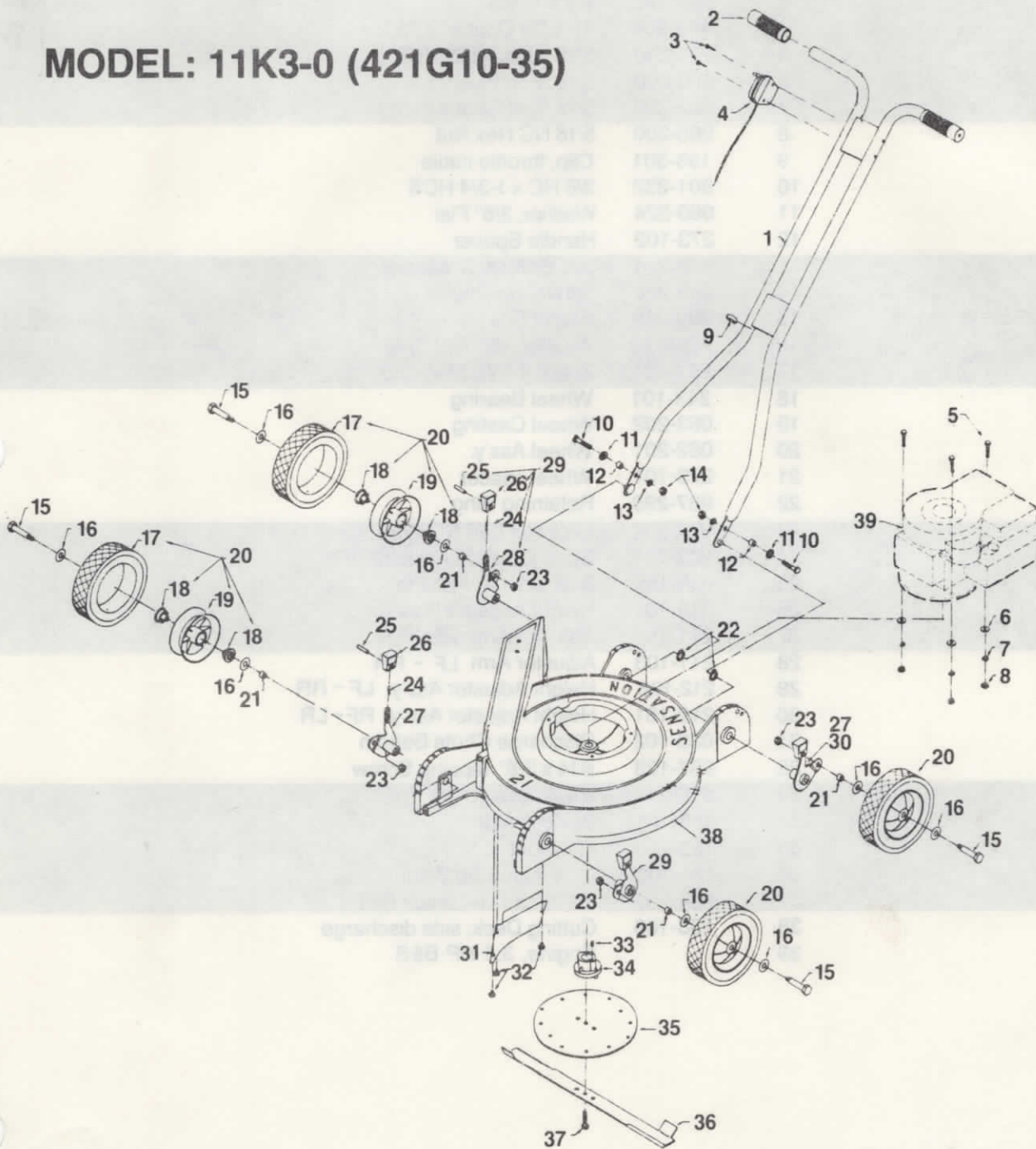
Deflects grass clipping discharge downward to ground level when grass catcher is not used.

COMMERCIAL

# SENSATION

## POWER MOWER PARTS LIST

MODEL: 11K3-0 (421G10-35)





## PARTS LIST

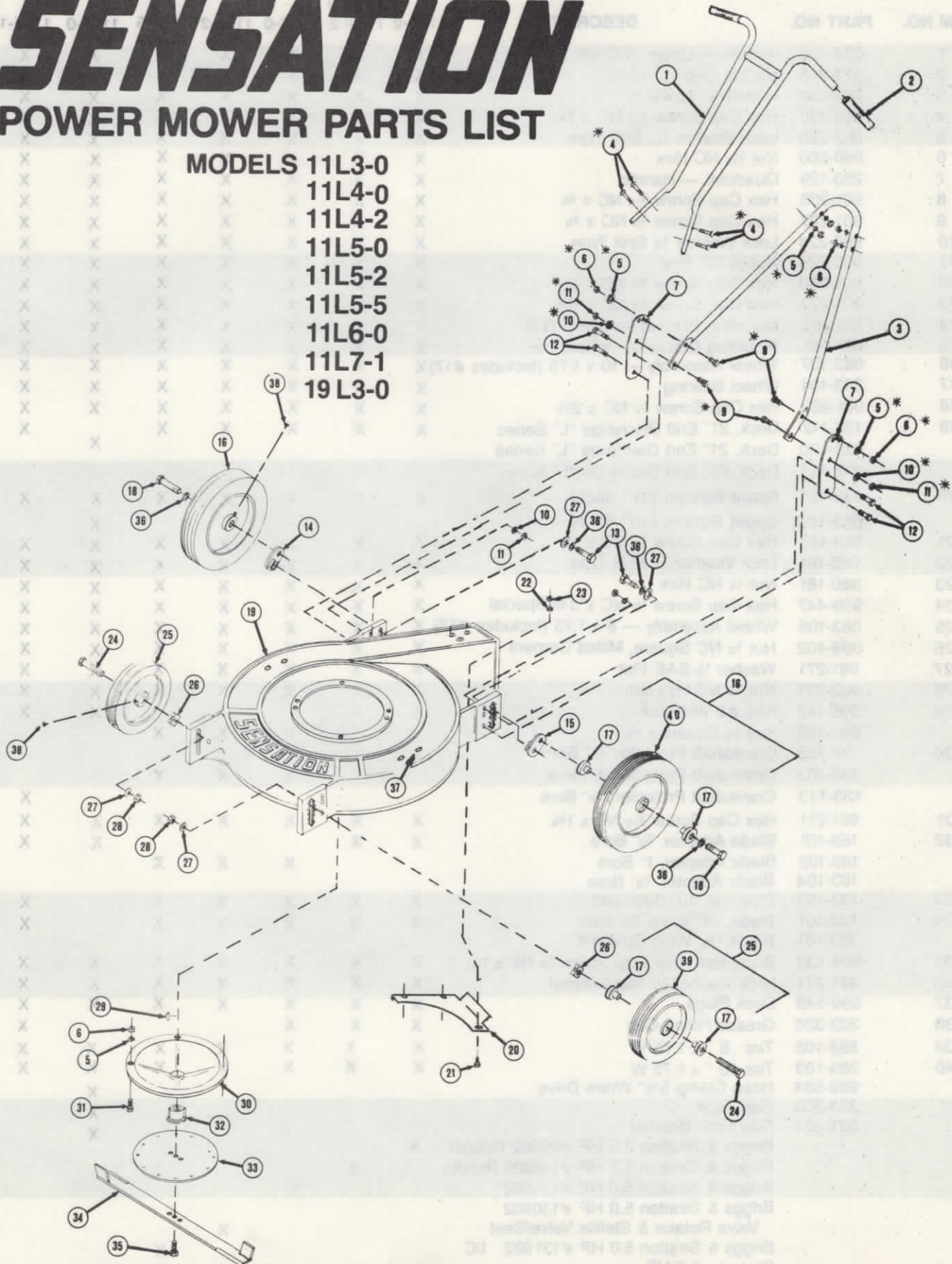
REF NO.	PART NO.	DESCRIPTION
1	251-203	Handle Weldment
2	323-301	Handle Grip
3	933-145	#8 x 1" MS
4	193-205	Throttle Control
5	901-210	5/16 NC x 1-1/2" HCS
6	980-200	5/16" Flat Washer
7	982-200	5/16 Split Lock Washer
8	960-200	5/16 NC Hex Nut
9	193-301	Clip, throttle cable
10	901-232	3/8 NC x 1-3/4 HCS
11	980-224	Washer, 3/8" Flat
12	273-102	Handle Spacer
13	982-224	3/8" Split Lock Washer
14	960-224	3/8 NC Hex Nut
15	999-049	Wheel Bolt
16	980-271	Washer, 1/2" Flat SAE
17	263-101	Tire, 8 x 1.75 Diamond
18	243-101	Wheel Bearing
19	083-202	Wheel Casting
20	082-201	Wheel Ass'y.
21	273-101	Wheel spacer
22	987-299	Retaining Ring
23	964-224	Lock Nut, 3/8 NC Hex
24	203-101	Spring, Height Adjustor RF
25	990-159	3/16" x 1-1/4" Roll Pin
26	213-101	Height Adjustor Handle
27	211-104	Adjustor Arm RF - LR
28	211-103	Adjustor Arm LF - RR
29	212-102	Height Adjustor Ass'y. LF - RR
30	212-101	Height Adjustor Ass'y. RF - LR
31	033-102	Discharge Chute Bottom
32	957-183	#14 x 3/8" Tapping Screw
33	996-213	#6 Woodruff Key
34	183-101	Blade Adapter
35	183-103	Flywheel
36	121-103	21" Welded Tip Blade
37	904-232	3/8 NF x 1-3/4 Blade Bolt
38	133-108	Cutting Deck, side discharge
39		Engine, 3.5 HP B&S

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated center which may be found in the Yellow Pages under "Engines".

# SENSATION

## POWER MOWER PARTS LIST

MODELS 11L3-0  
 11L4-0  
 11L4-2  
 11L5-0  
 11L5-2  
 11L5-5  
 11L6-0  
 11L7-1  
 19L3-0





# PARTS LIST

MODEL USED ON

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON							
			11L3-0	11L4-2	11L5-0	11L5-2	11L5-5	11L6-0	11L7-1	19L3-0
1	252-106	Handle — Upper W/Grips	X	X	X	X	X	X	X	X
2	323-305	Handle Grip	X	X	X	X	X	X	X	X
3	253-133	Handle — Lower	X	X	X	X	X	X	X	X
4	901-210	Hex Cap Screw 5/16 NC x 1 1/2	X	X	X	X	X	X	X	X
5	982-200	Lock Washer 5/16 Split Type	X	X	X	X	X	X	X	X
6	960-200	Nut 5/16 NC Hex	X	X	X	X	X	X	X	X
7	253-129	Quadrant — Handle	X	X	X	X	X	X	X	X
8	901-205	Hex Cap Screw 5/16 NC x 3/4	X	X	X	X	X	X	X	X
9	901-227	Hex Cap Screw 3/8 NC x 3/4	X	X	X	X	X	X	X	X
10	982-224	Lock Washer 3/8 Split Type	X	X	X	X	X	X	X	X
11	960-224	Nut 3/8 NC Hex	X	X	X	X	X	X	X	X
12	901-230	Hex Cap Screw 3/8 NC x 1 1/4	X	X	X	X	X	X	X	X
13	901-277	Hex Cap Screw 1/2 NC x 1 1/4	X	X	X	X	X	X	X	X
14	021-102	Mounting Bracket — Wheel R.H.	X	X	X	X	X	X	X	X
15	021-101	Mounting Bracket — Wheel L.H.	X	X	X	X	X	X	X	X
16	083-107	Wheel Assembly — 10 x 1.75 (Includes #17)	X	X	X	X	X	X	X	X
17	243-104	Wheel Bearing	X	X	X	X	X	X	X	X
18	901-282	Hex Cap Screw 1/2 NC x 2 1/2	X	X	X	X	X	X	X	X
19	132-112	Deck, 21" End Discharge "L" Series	X	X	X	X	X	X	X	X
	132-120	Deck, 21" End Discharge "L" Series					X			
	132-111	Deck, 19" End Discharge "L" Series								X
20	033-101	Spout Bottom (21" deck)	X	X	X	X	X	X	X	X
	033-103	Spout Bottom (19" deck)					X			X
21	901-186	Hex Cap Screw 1/4 NC x 3/4	X	X	X	X	X	X	X	X
22	982-181	Lock Washer 1/4 Split Type	X	X	X	X	X	X	X	X
23	960-181	Nut 1/4 NC Hex	X	X	X	X	X	X	X	X
24	999-447	Hex Cap Screw 1/2 NC x 3 3/4 Special	X	X	X	X	X	X	X	X
25	083-106	Wheel Assembly — 8 x 1.75 (Includes #17)	X	X	X	X	X	X	X	X
26	999-402	Nut 1/2 NC Square, Milled Corners	X	X	X	X	X	X	X	X
27	981-271	Washer 1/2 SAE Flat	X	X	X	X	X	X	X	X
28	962-271	Nut 1/2 NC Hex Jam	X	X	X	X	X	X	X	X
29	996-142	Key #6 Woodruff	X	X			X	X	X	X
	995-185	Key 1/4 Square x 5/8			X	X	X			
30	133-102	Crankshaft Protector, 7/8" Bore	X	X						
	133-103	Crankshaft Protector, 1" Bore			X	X	X			
	133-113	Crankshaft Protector, 7/8" Bore						X	X	
31	901-211	Hex Cap Screw 5/16 NC x 1 3/4	X	X	X	X	X	X	X	X
32	183-101	Blade Adapter, 7/8" Bore	X	X			X	X		
	183-102	Blade Adapter, 1" Bore			X	X	X			
	183-104	Blade Adapter, 7/8" Bore								X
33	183-103	Flywheel, 10" Balanced	X	X	X	X	X		X	
34	123-101	Blade, 21" Weld Tip Airlift	X	X	X	X	X		X	
	123-101	Blade, 19" Weld Tip Airlift								X
35	904-232	Blade Bolt, Hex Cap Screw 3/8 NF x 1 3/4	X	X	X	X	X	X	X	X
36	984-271	Lock Washer 1/2 Star Internal	X	X	X	X	X	X	X	X
37	999-549	Deck Plugs	X	X	X	X	X	X	X	X
38	323-320	Grease Fitting Cap	X	X	X				X	
39	263-108	Tire 8" x 1.75 W	X	X	X	X	X	X	X	X
40	263-109	Tire 10" x 1.75 W	X	X	X	X	X	X	X	X
	999-584	Hose Clamp 5 1/2" Worm Drive						X		X
	323-308	Gas Tank						X		
	021-301	Gas Tank Bracket						X		
		Briggs & Stratton 3.5 HP #92902 Rotator	X							X
		Briggs & Stratton 4.0 HP #110908 Rotator		X						
		Briggs & Stratton 5.0 HP #130902			X					
		Briggs & Stratton 5.0 HP #130902								
		Valve Rotator & Stellite Valve/Seat				X				
		Briggs & Stratton 5.0 HP #131922 I/C					X			
		Clinton 5.5 HP						X		
		Honda 3.5 HP — GV150							X	

F1 No. 113-145 11/2

COMMERCIAL

# ***SENSATION***

POWER MOWER OWNER'S MANUAL

MODELS 11L3-0  
11L4-0  
11L4-2  
11L5-0  
11L5-2  
11L5-5  
11L7-1  
19L3-0



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## SAFETY



### Caution Symbol

THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
5. Do not allow children to operate mower. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.
22. Follow maintenance instructions as outlined in this manual.
23. DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item #3 to the Upper Handle Item #1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #4. Tighten securely with Lock Washers and Hex Nuts provided.
2. Position the assembled Handle onto the Handle Quadrant Item #7 and align the Lower  $\frac{3}{8}$  Dia Holes. Secure using two Hex Cap Screws  $\frac{3}{8}$  NC x  $\frac{3}{4}$  Item #9 with Lock Washers and Hex Nuts provided.
3. Align one of the three holes in the Handle Quadrant with the hole in the Lower Handle Loop. Insert Hex Cap Screw  $\frac{5}{16}$  NC x  $\frac{3}{4}$  Item #8 into the hole which positions

the Handle in the most comfortable mowing position for you. Secure using Lock Washers and Hex Nut provided.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided).

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE OPTIONAL GRASS CATCHER OR CHUTE DEFLECTOR IN PLACE.**

## CUTTING HEIGHT ADJUSTMENT



**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

### FRONT WHEELS (19L4-2 REAR WHEELS)

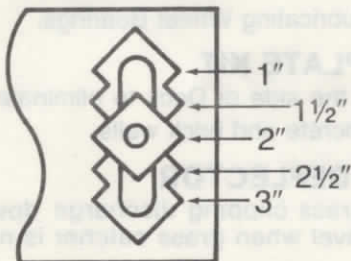
1. Loosen the  $\frac{1}{2}$  Hex Nut (Item #28) so that it can be turned by hand.
2. Unscrew the Hex Nut until the Square Nut (Item #26) comes out of the Deck Wheel Pad.
3. Position the Square Nut in the slot of desired height wanted. The Square Nut has Milled Out Corners for added adjustment as Illustrated.

4. Hand tighten the Hex Nut.

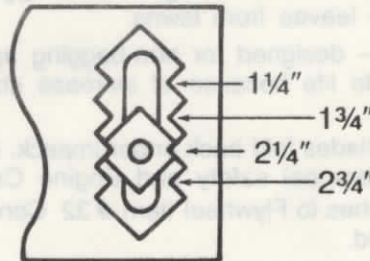
5. Tighten the Hex Nut securely without letting the Axle Bolt turn.

### REAR WHEELS ( EXCEPT 19L4-2 )

1. Loosen the Hex Cap Screw  $\frac{1}{2}$  NC x  $1\frac{1}{4}$  (Item #13)
2. Unscrew the Hex Cap Screw until the square Nut proportion of the Mounting Bracket (Item #14 & #15) is out of the Deck Wheel Pad.
3. Position the Square Nut as described on front wheels Step #3.
4. Tighten the Hex Cap Screw securely using a wrench



$\frac{1}{2}$ " increments



$\frac{1}{4}$ " increments

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

Lubricate each Wheel as required, using a Grease Pressure Gun. Fill until the Grease starts to come out around the bearing.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #32. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item #32) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are different styles of Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### BLADES

Welded Tips — Hi Airlift designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft protection. Attaches to Flywheel Item #32 Conventional Blade is removed.

### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone—means less downtime for servicing filter element.

### GREASE GUN KIT

Used for lubricating Wheel Bearings.

### WEAR PLATE KIT

Fasten to the side of Deck to eliminate side deck wear due to concrete and brick walls.

### CHUTE DEFLECTOR

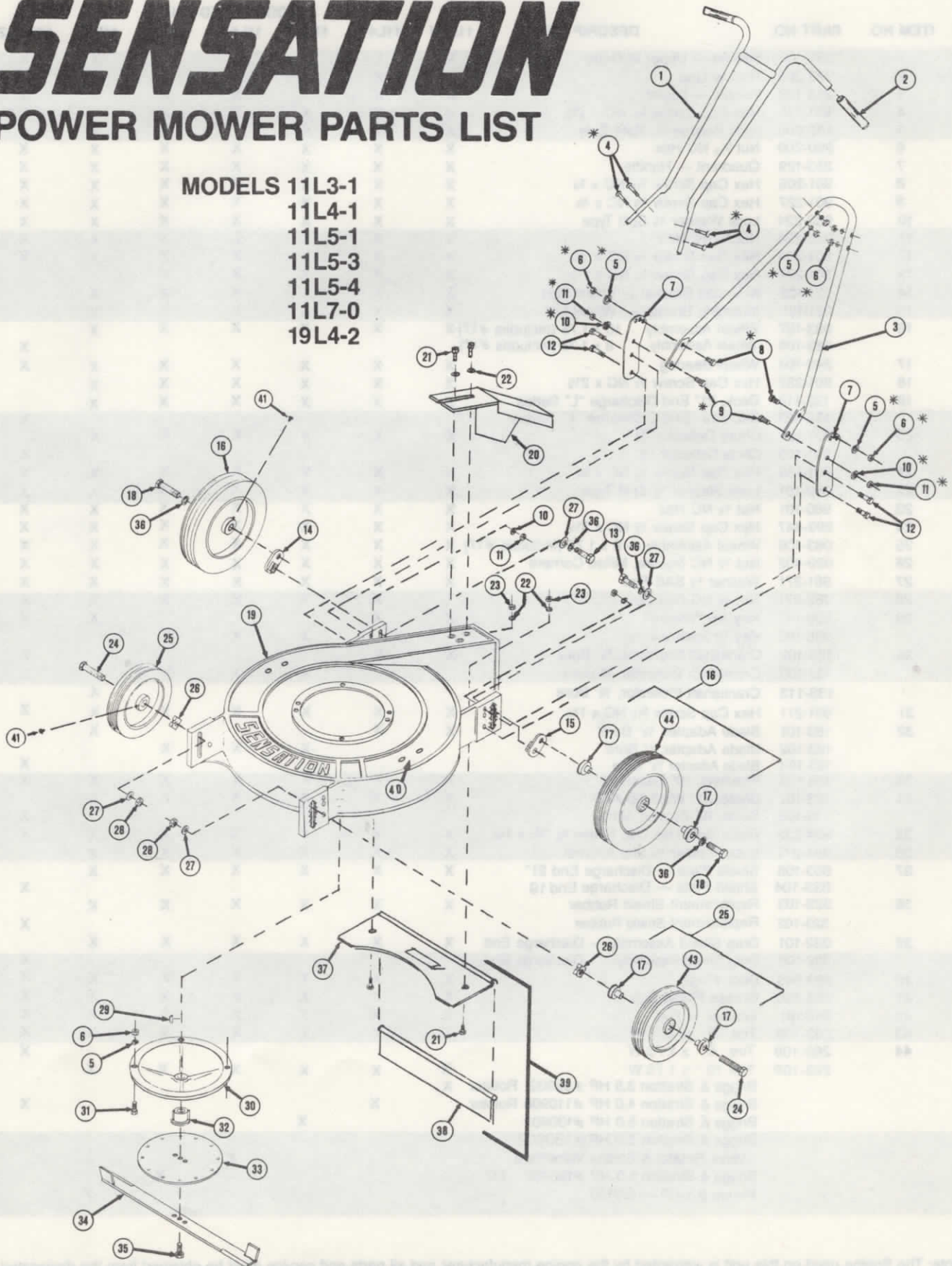
Deflects grass clipping discharge downward to ground level when grass catcher is not used.

SEE YOUR SENSATION DEALER FOR MORE DETAILS

# SENSATION

## POWER MOWER PARTS LIST

MODELS 11L3-1  
11L4-1  
11L5-1  
11L5-3  
11L5-4  
11L7-0  
19L4-2







# PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON						
			11L3-1	11L4-1	11L5-1	11L5-3	11L5-4	11L7-0	19L4-2
1	252-106	Handle — Upper W/Grips	X	X	X	X	X	X	X
2	323-305	Handle Grip	X	X	X	X	X	X	X
3	253-133	Handle — Lower	X	X	X	X	X	X	X
4	901-210	Hex Cap Screw 5/16 NC x 1 1/2	X	X	X	X	X	X	X
5	982-200	Lock Washer 5/16 Split Type	X	X	X	X	X	X	X
6	960-200	Nut 5/16 NC Hex	X	X	X	X	X	X	X
7	253-129	Quadrant — Handle	X	X	X	X	X	X	X
8	901-205	Hex Cap Screw 5/16 NC x 3/4	X	X	X	X	X	X	X
9	901-227	Hex Cap Screw 3/8 NC x 3/4	X	X	X	X	X	X	X
10	982-224	Lock Washer 3/8 Split Type	X	X	X	X	X	X	X
11	960-224	Nut 3/8 NC Hex	X	X	X	X	X	X	X
12	901-230	Hex Cap Screw 3/8 NC x 1 1/4	X	X	X	X	X	X	X
13	901-277	Hex Cap Screw 1/2 NC x 1 1/4	X	X	X	X	X	X	X
14	021-102	Mounting Bracket — Wheel R.H.	X	X	X	X	X	X	X
15	021-101	Mounting Bracket — Wheel L.H.	X	X	X	X	X	X	X
16	083-107	Wheel Assembly 10 x 1.75 (Includes #17)	X	X	X	X	X	X	
	083-106	Wheel Assembly 8 x 1.75 (Includes #17)							X
17	243-104	Wheel Bearing	X	X	X	X	X	X	X
18	901-282	Hex Cap Screw 1/2 NC x 2 1/2	X	X	X	X	X	X	X
19	132-112	Deck, 21" End Discharge "L" Series	X	X	X	X	X	X	
	132-121	Deck, 19" End Discharge "L" Series							X
20	031-102	Chute Deflector 21"	X	X	X	X	X	X	
	031-103	Chute Deflector 19"							X
21	901-186	Hex Cap Screw 1/4 NC x 3/4	X	X	X	X	X	X	X
22	982-181	Lock Washer 1/4 Split Type	X	X	X	X	X	X	X
23	960-181	Nut 1/4 NC Hex	X	X	X	X	X	X	X
24	999-447	Hex Cap Screw 1/2 NC x 3 1/2	X	X	X	X	X	X	X
25	083-106	Wheel Assembly — 8 x 1.75 (Includes #17)	X	X	X	X	X	X	X
26	999-402	Nut 1/2 NC Square, Milled Corners	X	X	X	X	X	X	X
27	981-271	Washer 1/2 SAE Flat	X	X	X	X	X	X	X
28	962-271	Nut 1/2 NC Hex Jam	X	X	X	X	X	X	X
29	996-142	Key #6 Woodruff	X	X				X	X
	995-185	Key 1/4 Square x 5/8			X	X	X		
30	133-102	Crankshaft Protector, 7/8" Bore	X	X					X
	133-103	Crankshaft Protector, 1" Bore			X	X	X		
	133-113	Crankshaft Protector, 7/8" Bore						X	
31	901-211	Hex Cap Screw 5/16 NC x 1 3/4	X	X	X	X	X	X	X
32	183-101	Blade Adapter, 7/8" Bore	X	X				X	
	183-102	Blade Adapter, 1" Bore			X	X	X		
	183-104	Blade Adapter 7/8" Bore							X
33	183-103	Flywheel, 10" Balanced	X	X	X	X	X	X	X
34	123-101	Blade, 21" Weld Tip Airlift	X	X	X	X	X	X	
	123-105	Blade, 19" Formed Airlift							X
35	904-232	Blade Bolt, Hex Cap Screw 3/8 NF x 1 3/4	X	X	X	X	X	X	X
36	984-271	Lock Washer 1/2 Star Internal	X	X	X	X	X	X	X
37	033-106	Shield Plate — Discharge End 21"	X	X	X	X	X	X	
	033-104	Shield Plate — Discharge End 19"							X
38	323-103	Replacement Shield Rubber	X	X	X	X	X	X	
	323-102	Replacement Shield Rubber							X
39	032-101	Drag Shield Assembly — Discharge End	X	X	X	X	X	X	
	032-103	Drag Shield Assembly — Discharge End							X
40	999-549	Deck Plugs	X	X	X	X	X	X	X
41	323-320	Grease Fitting Cap	X	X	X	X	X	X	X
42	980-181	Washer 1/4 Flat	X	X	X	X	X	X	X
43	263-108	Tire 8" x 1.75 W	X	X	X	X	X	X	X
44	263-108	Tire 8" x 1.75 W							X
	263-109	Tire 10" x 1.75 W	X	X	X	X	X	X	
		Briggs & Stratton 3.5 HP #92902 Rotator	X						
		Briggs & Stratton 4.0 HP #110908 Rotator		X					X
		Briggs & Stratton 5.0 HP #130902			X				
		Briggs & Stratton 5.0 HP #130902							
		Valve Rotator & Stellite Valve/Seat				X			
		Briggs & Stratton 5.0 HP #130902 I/C					X		
		Honda 3.5 HP — GV150						X	

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

## **POWER MOWER OWNER'S MANUAL**

MODELS 11L3-1

11L4-1

11L5-1

11L5-3

11L5-4

11L7-0

19L4-2



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## SAFETY



### Caution Symbol

THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
5. Do not allow children to operate mower. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Check grass catcher frequently for wear or deterioration. Repair or replace with new grass catcher for safety protection.
22. Follow maintenance instructions as outlined in this manual.
23. DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item #3 to the Upper Handle Item #1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #4. Tighten securely with Lock Washers and Hex Nuts provided.
2. Position the assembled Handle onto the Handle Quadrant Item #7 and align the Lower  $\frac{3}{8}$  Dia Holes. Secure using two Hex Cap Screws  $\frac{3}{8}$  NC x  $\frac{3}{4}$  Item #9 with Lock Washers and Hex Nuts provided.
3. Align one of the three holes in the Handle Quadrant with the hole in the Lower Handle Loop. Insert Hex Cap Screw  $\frac{5}{16}$  NC x  $\frac{3}{4}$  Item #8 into the hole which positions

the Handle in the most comfortable mowing position for you. Secure using Lock Washers and Hex Nut provided.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided).

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE OPTIONAL GRASS CATCHER OR CHUTE DEFLECTOR IN PLACE.**

## CUTTING HEIGHT ADJUSTMENT



**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

### FRONT WHEELS

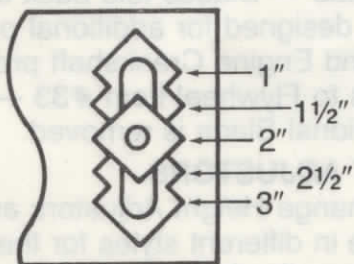
1. Loosen the  $\frac{1}{2}$  Hex Nut (Item #28) so that it can be turned by hand.
2. Unscrew the Hex Nut until the Square Nut (Item #26) comes out of the Deck Wheel Pad.
3. Position the Square Nut in the slot of desired height wanted. The Square Nut has Milled Out Corners for added adjustment as Illustrated.

4. Hand tighten the Hex Nut.

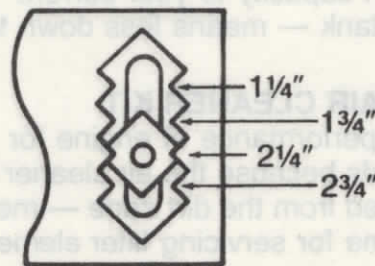
5. Tighten the Hex Nut securely without letting the Axle Bolt turn.

### REAR WHEELS

1. Loosen the Hex Cap Screw  $\frac{1}{2}$  NC x  $1\frac{1}{4}$  (Item #13)
2. Unscrew the Hex Cap Screw until the square Nut proportion of the Mounting Bracket (Item #14 & #15) is out of the Deck Wheel Pad.
3. Position the Square Nut as described on front wheels Step #3.
4. Tighten the Hex Cap Screw securely using a wrench



$\frac{1}{2}$ " increments



$\frac{1}{4}$ " increments

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

Lubricate each Wheel as required, using a Grease Pressure Gun. Fill until the Grease starts to come out around the bearing.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #32. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item #32) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are two Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone — means less downtime for servicing filter element.

### BLADES

Welded Tips — Hi Airlift (Standard Equipment) designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft protection. Attaches to Flywheel Item #33 — Conventional Blade is removed.

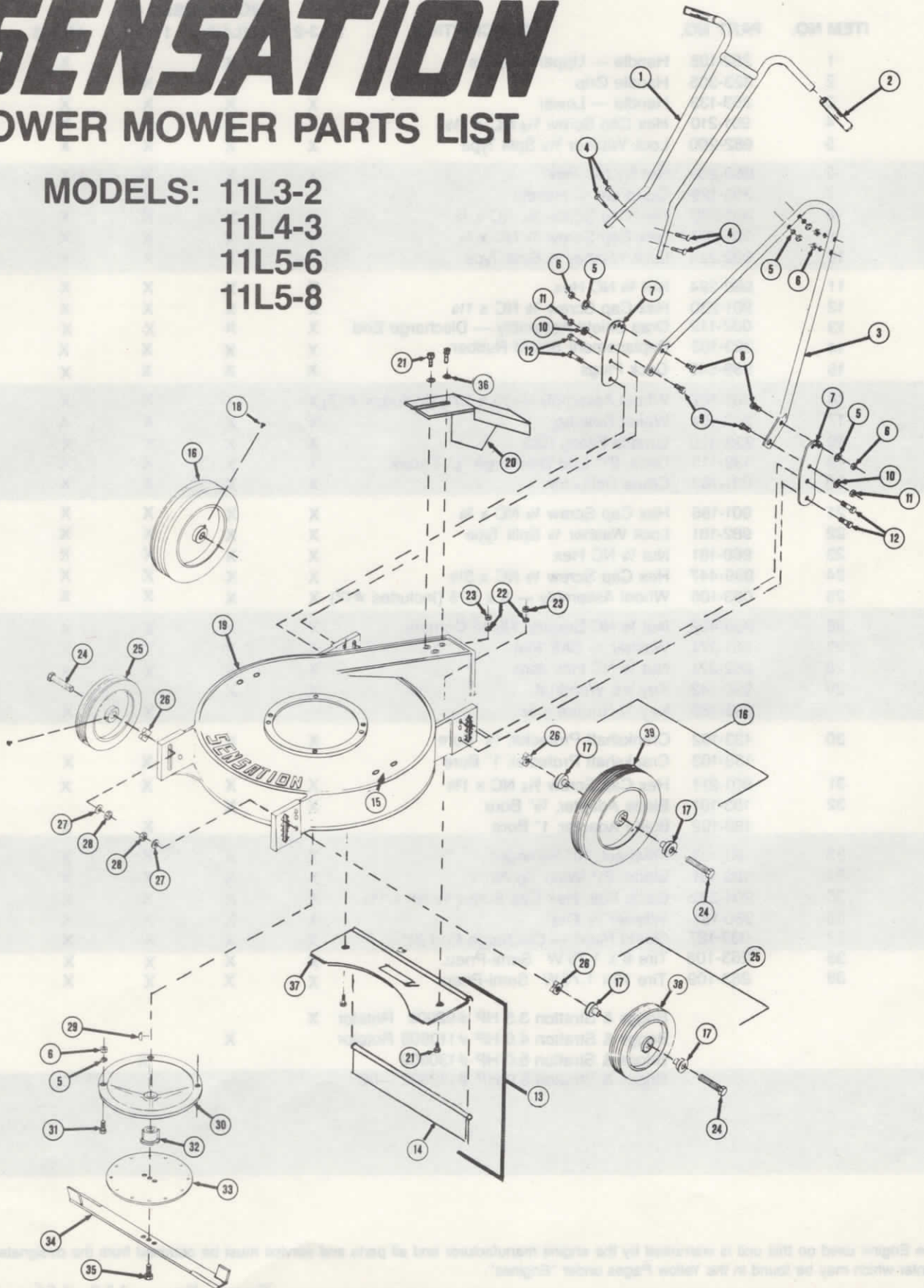
### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11L3-2  
11L4-3  
11L5-6  
11L5-8



## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON			
			11L3-2	11L4-3	11L5-6	11L5-8
1	252-106	Handle — Upper W/Grips	X	X	X	X
2	323-305	Handle Grip	X	X	X	X
3	253-133	Handle — Lower	X	X	X	X
4	901-210	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{1}{2}$	X	X	X	X
5	982-200	Lock Washer $\frac{5}{16}$ Split Type	X	X	X	X
6	960-200	Nut $\frac{5}{16}$ NC Hex	X	X	X	X
7	253-129	Quadrant — Handle	X	X	X	X
8	901-205	Hex Cap Screw $\frac{5}{16}$ NC x $\frac{3}{4}$	X	X	X	X
9	901-227	Hex Cap Screw $\frac{3}{8}$ NC x $\frac{3}{4}$	X	X	X	X
10	982-224	Lock Washer $\frac{3}{8}$ Split Type	X	X	X	X
11	960-224	Nut $\frac{3}{8}$ NC Hex	X	X	X	X
12	901-230	Hex Cap Screw $\frac{3}{8}$ NC x $1\frac{1}{4}$	X	X	X	X
13	032-112	Drag Shield Assembly — Discharge End	X	X	X	X
14	323-103	Replacement Shield Rubber	X	X	X	X
15	999-549	Deck Plugs	X	X	X	X
16	083-107	Wheel Assembly — 10 x 1.75 (Includes #17)	X	X	X	X
17	243-104	Wheel Bearing	X	X	X	X
18	323-320	Grease Fitting Cap	X	X	X	X
19	132-119	Deck, 21" End Discharge "L" Series	X	X	X	X
20	031-102	Chute Deflector	X	X	X	X
21	901-186	Hex Cap Screw $\frac{1}{4}$ NC x $\frac{3}{4}$	X	X	X	X
22	982-181	Lock Washer $\frac{1}{4}$ Split Type	X	X	X	X
23	960-181	Nut $\frac{1}{4}$ NC Hex	X	X	X	X
24	999-447	Hex Cap Screw $\frac{1}{2}$ NC x $3\frac{1}{2}$	X	X	X	X
25	083-106	Wheel Assembly — 8 x 1.75 (Includes #17)	X	X	X	X
26	999-402	Nut $\frac{1}{2}$ NC Square, Milled Corners	X	X	X	X
27	981-271	Washer $\frac{1}{2}$ SAE Flat	X	X	X	X
28	962-271	Nut $\frac{1}{2}$ NC Hex Jam	X	X	X	X
29	996-142	Key #6 Woodruff	X	X		
	995-185	Key $\frac{1}{4}$ Square x $\frac{5}{8}$			X	X
30	133-102	Crankshaft Protector, $\frac{7}{8}$ " Bore	X	X		
	133-103	Crankshaft Protector, 1" Bore			X	X
31	901-211	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{3}{4}$	X	X	X	X
32	183-101	Blade Adapter, $\frac{7}{8}$ " Bore	X	X		
	183-102	Blade Adapter, 1" Bore			X	X
33	183-103	Flywheel, 10" Balanced	X	X	X	X
34	123-101	Blade, 21" Weld Tip Airlift	X	X	X	X
35	904-232	Blade Bolt, Hex Cap Screw $\frac{3}{8}$ NF x $1\frac{3}{4}$	X	X	X	X
36	980-181	Washer $\frac{1}{4}$ Flat	X	X	X	X
37	033-127	Shield Plate — Discharge End 21"	X	X	X	X
38	263-108	Tire 8 x 1.75 W Semi-Pneu.	X	X	X	X
39	263-109	Tire 10x 1.75 W Semi-Pneu.	X	X	X	X
		Briggs & Stratton 3.5 HP #92902 Rotator	X			
		Briggs & Stratton 4.0 HP #110908 Rotator		X		
		Briggs & Stratton 5.0 HP #130902			X	
		Briggs & Stratton 5.0 HP #130902 -I/C				X

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

**POWER MOWER OWNER'S MANUAL**

**MODELS: 11L3-2  
11L4-3  
11L5-6  
11L5-8**



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA



## SAFETY



### Caution Symbol

**THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.**

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — **READ THE OWNER'S MANUAL.**
5. Do not allow children to operate mower. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Check grass catcher frequently for wear or deterioration. Repair or replace with new grass catcher for safety protection.
22. Follow maintenance instructions as outlined in this manual.
23. **DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.**
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item #3 to the Upper Handle Item #1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #4. Tighten securely with Lock Washers and Hex Nuts provided.
2. Position the assembled Handle onto the Handle Quadrant Item #7 and align the Lower  $\frac{3}{8}$  Dia Holes. Secure using two Hex Cap Screws  $\frac{3}{8}$  NC x  $\frac{3}{4}$  Item #9 with Lock Washers and Hex Nuts provided.
3. Align one of the three holes in the Handle Quadrant with the hole in the Lower Handle Loop. Insert Hex Cap Screw  $\frac{5}{16}$  NC x  $\frac{3}{4}$  Item #8 into the hole which positions

the Handle in the most comfortable mowing position for you. Secure using Lock Washers and Hex Nut provided.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided).

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE OPTIONAL GRASS CATCHER OR CHUTE DEFLECTOR IN PLACE.**

## CUTTING HEIGHT ADJUSTMENT

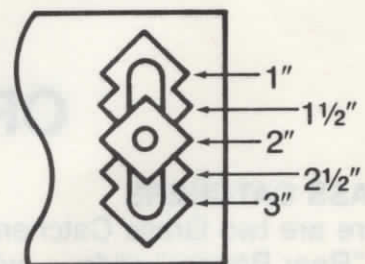


**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

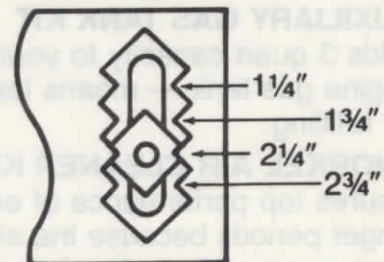
The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

### WHEELS

1. Loosen the  $\frac{1}{2}$  Hex Nut (Item #28) so that it can be turned by hand.
2. Unscrew the Hex Nut until the Square Nut (Item #26) comes out of the Deck Wheel Pad.
3. Position the Square Nut in the slot of desired height wanted. The Square Nut has Milled Out Corners for added adjustment as Illustrated.
4. Hand tighten the Hex Nut.
5. Tighten the Hex Nut securely without letting the Axle Bolt turn.



$\frac{1}{2}$ " increments



$\frac{1}{4}$ " increments

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

Lubricate each Wheel as required, using a Grease Pressure Gun. Fill until the Grease starts to come out around the bearing.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #32. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item #32) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are two Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone — means less downtime for servicing filter element.

### BLADES

Welded Tips — Hi Airlift (Standard Equipment) designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft protection.

Attaches to Flywheel Item #33 — Conventional Blade is removed.

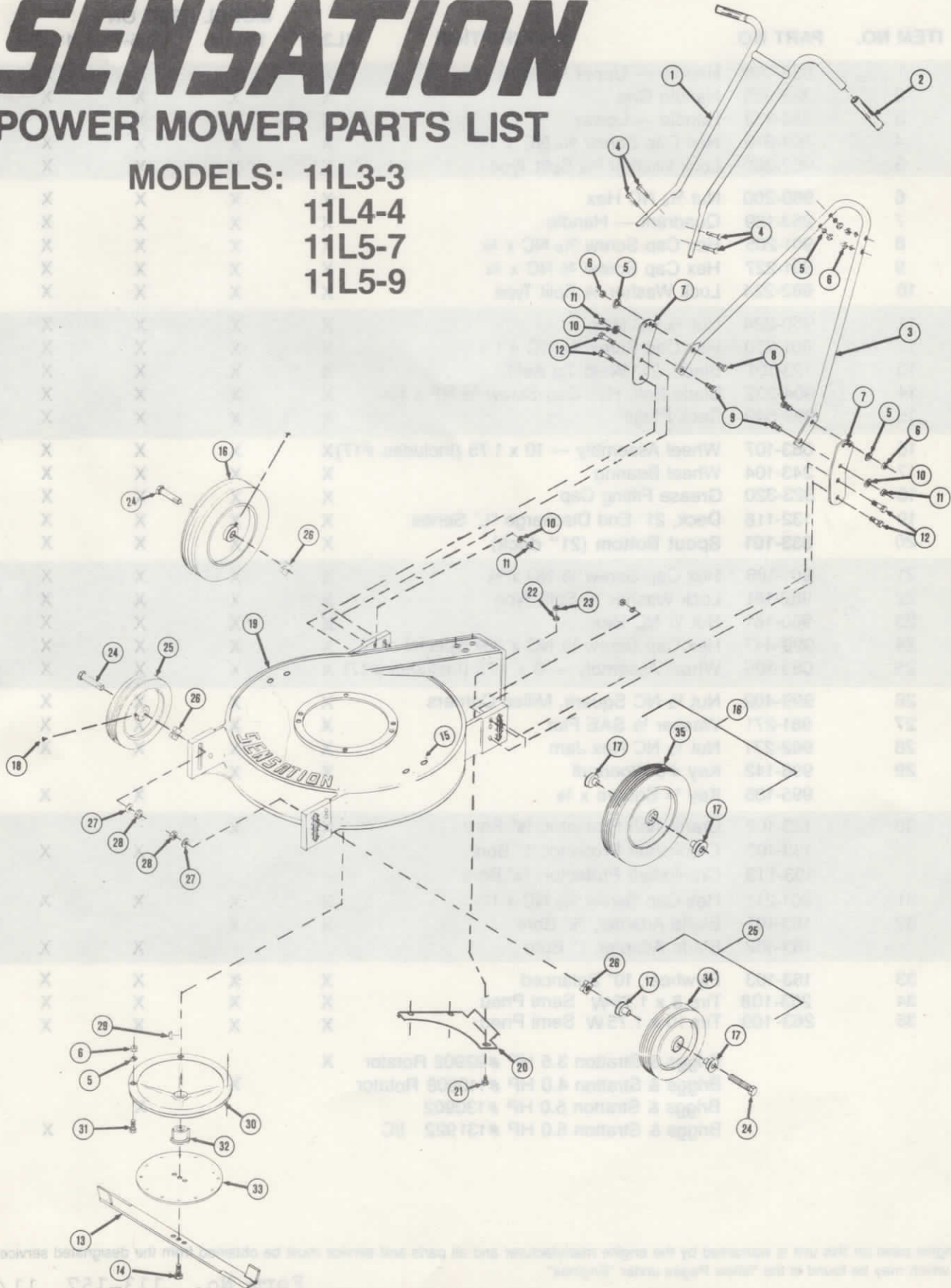
### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 11L3-3  
11L4-4  
11L5-7  
11L5-9



## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON			
			11L3-3	11L4-4	11L5-7	11L5-9
1	252-106	Handle — Upper W/Grips	X	X	X	X
2	323-305	Handle Grip	X	X	X	X
3	253-133	Handle — Lower	X	X	X	X
4	901-210	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{1}{2}$	X	X	X	X
5	982-200	Lock Washer $\frac{5}{16}$ Split Type	X	X	X	X
6	960-200	Nut $\frac{5}{16}$ NC Hex	X	X	X	X
7	253-129	Quadrant — Handle	X	X	X	X
8	901-205	Hex Cap Screw $\frac{5}{16}$ NC x $\frac{3}{4}$	X	X	X	X
9	901-227	Hex Cap Screw $\frac{3}{8}$ NC x $\frac{3}{4}$	X	X	X	X
10	982-224	Lock Washer $\frac{3}{8}$ Split Type	X	X	X	X
11	960-224	Nut $\frac{3}{8}$ NC Hex	X	X	X	X
12	901-230	Hex Cap Screw $\frac{3}{8}$ NC x $1\frac{1}{4}$	X	X	X	X
13	123-101	Blade, 21" Weld Tip Airlift	X	X	X	X
14	904-232	Blade Bolt, Hex Cap Screw $\frac{3}{8}$ NF x $1\frac{3}{4}$	X	X	X	X
15	999-549	Deck Plugs	X	X	X	X
16	083-107	Wheel Assembly — 10 x 1.75 (Includes #17)	X	X	X	X
17	243-104	Wheel Bearing	X	X	X	X
18	323-320	Grease Fitting Cap	X	X	X	X
19	132-118	Deck, 21" End Discharge "L" Series	X	X	X	X
20	033-101	Spout Bottom (21" deck)	X	X	X	X
21	901-186	Hex Cap Screw $\frac{1}{4}$ NC x $\frac{3}{4}$	X	X	X	X
22	982-181	Lock Washer $\frac{1}{4}$ Split Type	X	X	X	X
23	960-181	Nut $\frac{1}{4}$ NC Hex	X	X	X	X
24	999-447	Hex Cap Screw $\frac{1}{2}$ NC x $3\frac{3}{4}$ Special	X	X	X	X
25	083-106	Wheel Assembly — 8 x 1.75 (Includes #17)	X	X	X	X
26	999-402	Nut $\frac{1}{2}$ NC Square, Milled Corners	X	X	X	X
27	981-271	Washer $\frac{1}{2}$ SAE Flat	X	X	X	X
28	962-271	Nut $\frac{1}{2}$ NC Hex Jam	X	X	X	X
29	996-142	Key #6 Woodruff	X	X		
	995-185	Key $\frac{1}{4}$ Square x $\frac{5}{8}$			X	X
30	133-102	Crankshaft Protector, $\frac{7}{8}$ " Bore	X	X		
	133-103	Crankshaft Protector, 1" Bore			X	X
	133-113	Crankshaft Protector, $\frac{7}{8}$ " Bore				
31	901-211	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{3}{4}$	X	X	X	X
32	183-101	Blade Adapter, $\frac{7}{8}$ " Bore	X	X		
	183-102	Blade Adapter, 1" Bore			X	X
33	183-103	Flywheel, 10" Balanced	X	X	X	X
34	263-108	Tire 8 x 1.75W Semi Pneu	X	X	X	X
35	263-109	Tire 10 x 1.75W Semi Pneu	X	X	X	X
		Briggs & Stratton 3.5 HP #92902 Rotator	X			
		Briggs & Stratton 4.0 HP #110908 Rotator		X		
		Briggs & Stratton 5.0 HP #130902			X	
		Briggs & Stratton 5.0 HP #131922 I/C				X

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# SENSATION

## POWER MOWER OWNER'S MANUAL

MODELS: 11L3-3  
11L4-4  
11L5-7  
11L5-9



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## SAFETY



### Caution Symbol

THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
5. Do not allow children to operate mower. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Check grass catcher frequently for wear or deterioration. Repair or replace with new grass catcher for safety protection.
22. Follow maintenance instructions as outlined in this manual.
23. DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item #3 to the Upper Handle Item #1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #4. Tighten securely with Lock Washers and Hex Nuts provided.
2. Position the assembled Handle onto the Handle Quadrant Item #7 and align the Lower  $\frac{3}{8}$  Dia Holes. Secure using two Hex Cap Screws  $\frac{3}{8}$  NC x  $\frac{3}{4}$  Item #9 with Lock Washers and Hex Nuts provided.
3. Align one of the three holes in the Handle Quadrant with the hole in the Lower Handle Loop. Insert Hex Cap Screw  $\frac{5}{16}$  NC x  $\frac{3}{4}$  Item #8 into the hole which positions

the Handle in the most comfortable mowing position for you. Secure using Lock Washers and Hex Nut provided.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided).

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE OPTIONAL GRASS CATCHER OR CHUTE DEFLECTOR IN PLACE.**

## CUTTING HEIGHT ADJUSTMENT

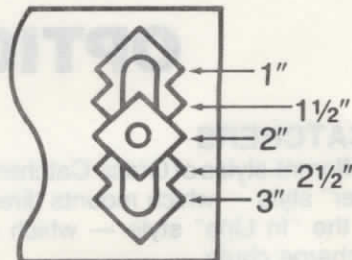


**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

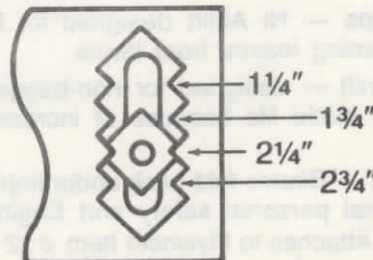
The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

### WHEELS

1. Loosen the  $\frac{1}{2}$  Hex Nut (Item #28) so that it can be turned by hand.
2. Unscrew the Hex Nut until the Square Nut (Item #26) comes out of the Deck Wheel Pad.
3. Position the Square Nut in the slot of desired height wanted. The Square Nut has Milled Out Corners for added adjustment as Illustrated.
4. Hand tighten the Hex Nut.
5. Tighten the Hex Nut securely without letting the Axle Bolt turn.



$\frac{1}{2}$ " increments



$\frac{1}{4}$ " increments



## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

Lubricate each Wheel as required, using a Grease Pressure Gun. Fill until the Grease starts to come out around the bearing.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #32. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item #32) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are different styles of Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### BLADES

Welded Tips — Hi Airlift designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft protection. Attaches to Flywheel Item #32 Conventional Blade is removed.

### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone—means less downtime for servicing filter element.

### GREASE GUN KIT

Used for lubricating Wheel Bearings.

### WEAR PLATE KIT

Fasten to the side of Deck to eliminate side deck wear due to concrete and brick walls.

### CHUTE DEFLECTOR

Deflects grass clipping discharge downward to ground level when grass catcher is not used.

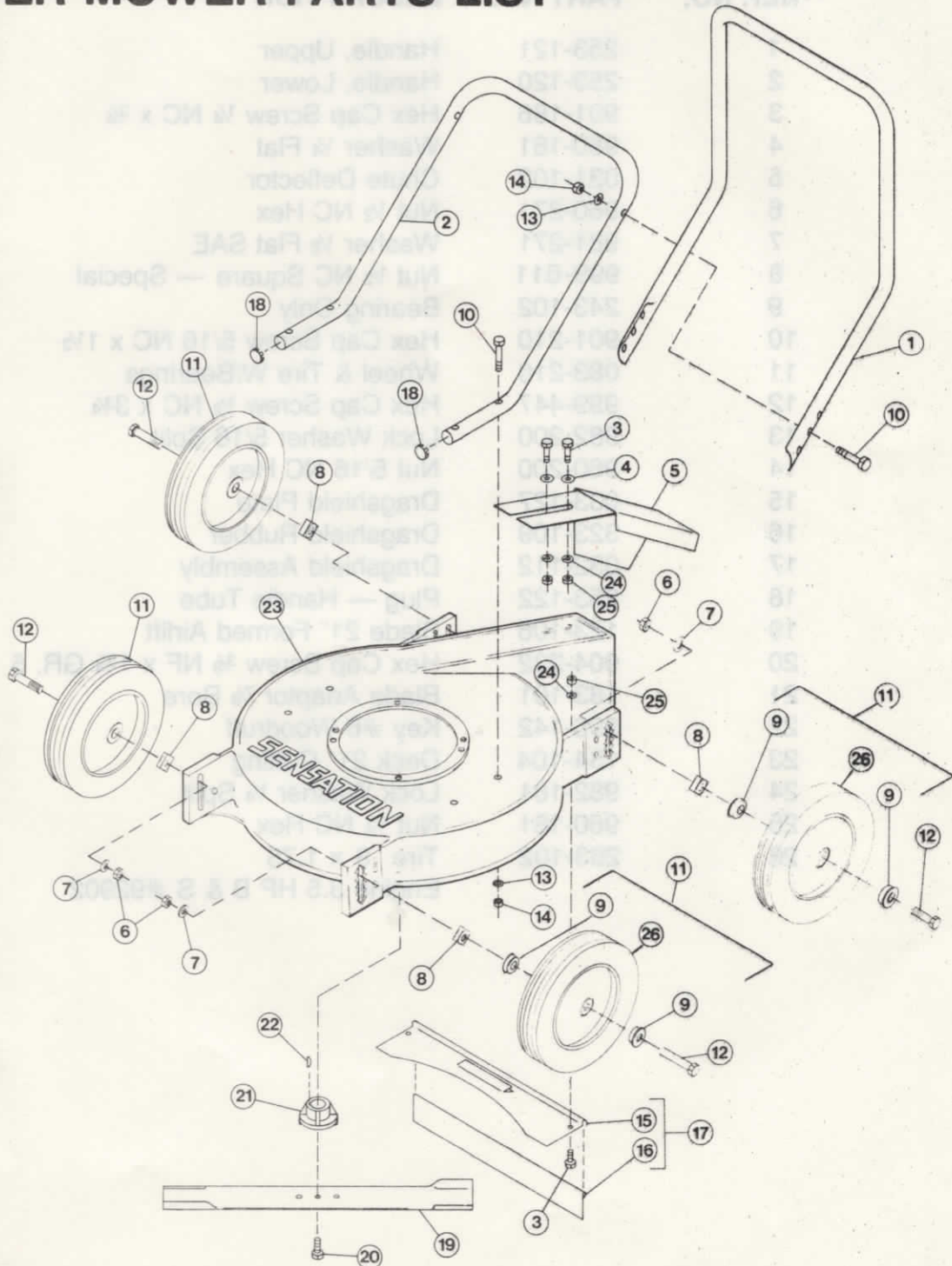
SEE YOUR SENSATION DEALER FOR MORE DETAILS

COMMERCIAL

# SENSATION

## POWER MOWER PARTS LIST

MODEL: 11P3-0



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
1	253-121	Handle, Upper
2	253-120	Handle, Lower
3	901-186	Hex Cap Screw 1/4 NC x 3/4
4	980-181	Washer 1/4 Flat
5	031-102	Chute Deflector
6	960-271	Nut 1/2 NC Hex
7	981-271	Washer 1/2 Flat SAE
8	999-611	Nut 1/2 NC Square — Special
9	243-102	Bearing Only
10	901-210	Hex Cap Screw 5/16 NC x 1 1/2
11	083-210	Wheel & Tire W/Bearings
12	999-447	Hex Cap Screw 1/2 NC x 3 3/4
13	982-200	Lock Washer 5/16 Split
14	960-200	Nut 5/16 NC Hex
15	033-127	Dragshield Plate
16	323-109	Dragshield Rubber
17	032-112	Dragshield Assembly
18	253-122	Plug — Handle Tube
19	123-106	Blade 21" Formed Airlift
20	904-232	Hex Cap Screw 3/8 NF x 1 3/4 GR. 5
21	183-101	Blade Adaptor 7/8 Bore
22	996-142	Key #6 Woodruff
23	134-104	Deck 21" Cutting
24	982-181	Lock Washer 1/4 Split
25	960-181	Nut 1/4 NC Hex
26	263-102	Tire 8 x 1.75 Engine 3.5 HP B & S #92902

NOTE: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

**POWER MOWER OWNER'S MANUAL**

**MODEL: 11P3-0**



**THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA**

## SAFETY



### Caution Symbol

**THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.**

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — **READ THE OWNER'S MANUAL.**
5. Do not allow children to operate mower. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when removing grass catcher and/or unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Check grass catcher frequently for wear or deterioration. Repair or replace with new grass catcher for safety protection.
22. Follow maintenance instructions as outlined in this manual.
23. **DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.**
24. Do not operate mower without either the chute door or grass catcher in place.

## SET-UP INSTRUCTIONS

### HANDLE ASSEMBLY

1. Insert two Chrome Plugs Item # 18 into the ends of the Lower Handle Item #2.
2. Position the Lower Handle onto the Deck with the Handle extending over the Discharge Chute End. Secure using four Hex Cap Screw  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item #10 with Hex Nuts provided.
3. Position the Upper Handle Item #1 onto the Lower Handle. Insert Hex Cap Screws  $\frac{5}{16}$  NC from the inside, into one of three holes which positions the Handle in the most comfortable mowing position for you. Secure using Lock Washers and Hex Nuts provided.

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE CHUTE DEFLECTOR OR OPTIONAL GRASS CATCHER IN PLACE.**

Place Chute Deflector (Item # 5 ) on top of Deck Grass Chute. Secure using Hex Cap Screws  $\frac{1}{4}$  NC x  $\frac{3}{4}$ , Flat Washers Lock Washers and Hex Nuts provided.

### ENGINE

Follow Engine Manufacturer's Instructions (Refer to Engine Manual provided).

## CUTTING HEIGHT ADJUSTMENT



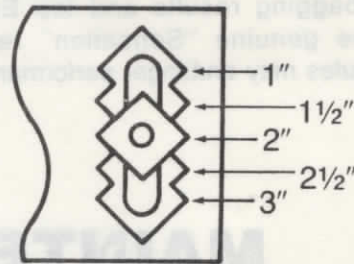
**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

1. Loosen the  $\frac{1}{2}$  Hex Nut (Item # 6 ) so that it can be turned by hand.
2. Unscrew the Hex Nut until the Square Nut (Item # 8 ) comes out of the Deck Wheel Pad.
3. Position the Square Nut in the slot of desired height wanted.

4. Hand tighten the Hex Nut.

5. Tighten the Hex Nut securely without letting the Axle Bolt turn.



$\frac{1}{2}$ " increments

## OPTIONAL EQUIPMENT

### GRASS CATCHERS

There are different styles of Grass Catchers available, the "Rear Bagger" style — which mounts directly behind the mower and the "In Line" style — which mounts in line with the discharge chute.

### AUXILIARY GAS TANK KIT

Adds 3 quart capacity to your current engine gas tank — means less down time for refilling.

### BLADES

Welded Tips — Hi Airlift designed for bagging grass and Vacuuming leaves from lawns.

Formed Airlift — designed for non-bagging application and longer blade life because of increase sharpening area.

Gyro Blade — Blades fold back under impact, designed for additional personal safety and Engine Crankshaft protection. Attaches to Flywheel 183-103.

### HEIGHT ADJUSTORS

Quick change Height Adjustors are available in different styles for the operator who frequently changes cutting heights.

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone—means less downtime for servicing filter element.

### GREASE GUN KIT

Used for lubricating Wheel Bearings.

### WEAR PLATE KIT

Fasten to the side of Deck to eliminate side deck wear due to concrete and brick walls.

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

Lubricate the wheel bearings periodically using a grease gun. Sensation markets a grease gun made special for this purpose.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #21. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

### BLADE ADAPTOR

Inspect the Blade Adaptor (Item #21) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

## MAINTENANCE RECORD

DATE	MAINTENANCE PERFORMED

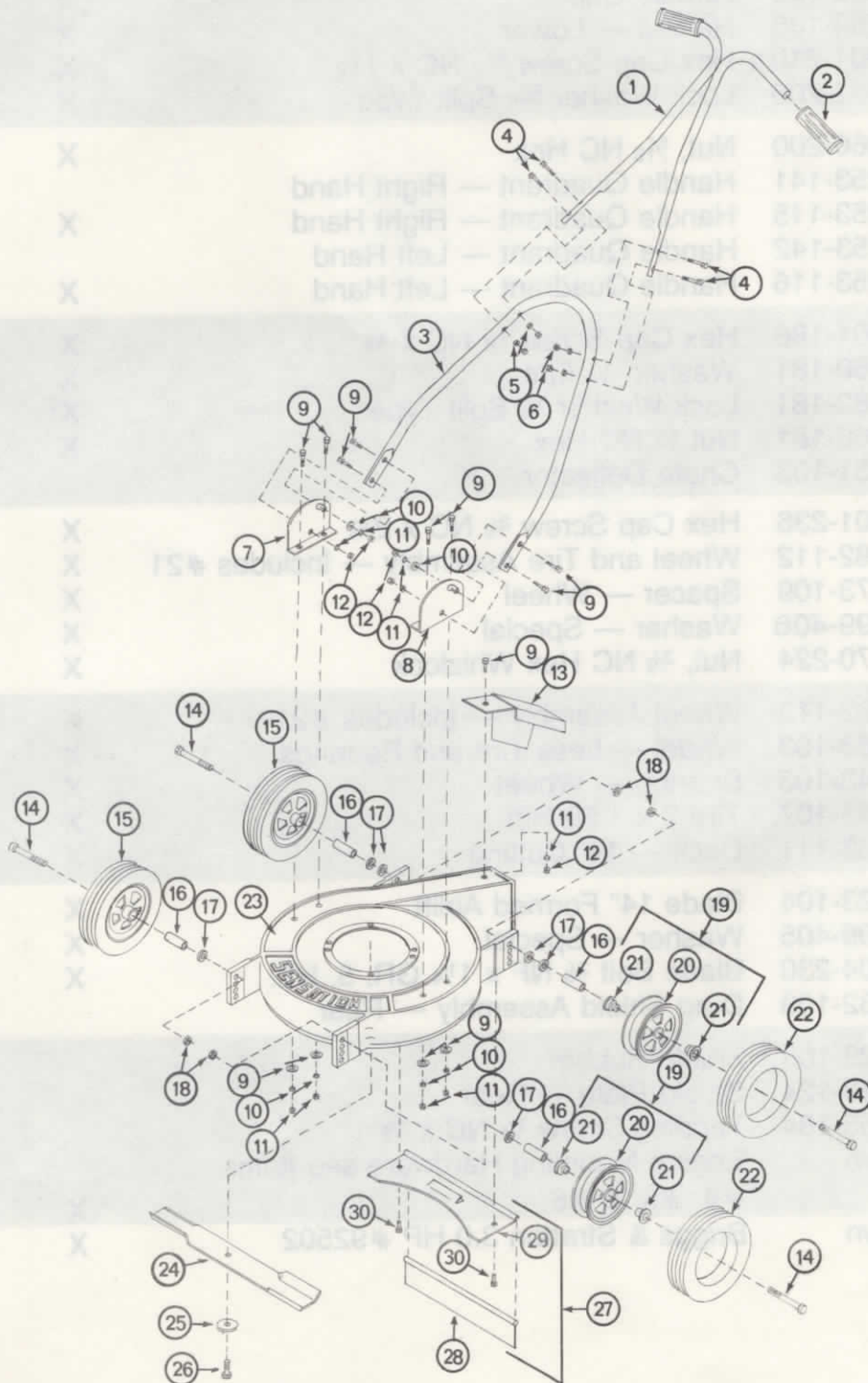
COMMERCIAL

PARTS LIST

# SENSATION

MODEL 14L2-0  
14L2-1

## POWER MOWER PARTS LIST



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA



## PARTS LIST

ITEM	PART NO.	DESCRIPTION	MODEL USED ON	
			14L2-0	14L2-1
1	252-112	Handle — Upper with Grips	X	X
2	323-305	Handle Grip	X	X
3	253-138	Handle — Lower	X	X
4	901-210	Hex Cap Screw $\frac{5}{16}$ NC x $1\frac{1}{2}$	X	X
5	982-200	Lock Washer $\frac{5}{16}$ Split Type	X	X
6	960-200	Nut, $\frac{5}{16}$ NC Hex	X	X
7	253-141	Handle Quadrant — Right Hand		X
	253-115	Handle Quadrant — Right Hand	X	
8	253-142	Handle Quadrant — Left Hand		X
	253-116	Handle Quadrant — Left Hand	X	
9	901-186	Hex Cap Screw $\frac{1}{4}$ NC x $\frac{3}{4}$	X	X
10	980-181	Washer, $\frac{1}{4}$ Flat	X	X
11	982-181	Lock Washer $\frac{1}{4}$ Split Type	X	X
12	960-181	Nut $\frac{1}{4}$ NC Hex	X	X
13	031-105	Chute Deflector		X
14	901-236	Hex Cap Screw $\frac{3}{8}$ NC x $2\frac{3}{4}$	X	X
15	082-112	Wheel and Tire Assembly — Includes #21	X	X
16	273-109	Spacer — Wheel	X	X
17	999-406	Washer — Special	X	X
18	970-224	Nut, $\frac{3}{8}$ NC Hex Whizlock	X	X
19	082-119	Wheel Assembly — Includes #21	X	X
20	083-103	Wheel — Less Tire and Bearings	X	X
21	243-103	Bearing — Wheel	X	X
22	263-107	Tire 7 x 1.50 Rib	X	X
23	133-111	Deck — 14" Cutting	X	X
24	123-104	Blade 14" Formed Airlift	X	X
25	999-405	Washer — Special	X	X
26	904-230	Blade Bolt $\frac{3}{8}$ NF x $1\frac{1}{4}$ GR. 5, HT.	X	X
27	032-109	Drag Shield Assembly — Rear		X
28	323-108	Shield Rubber		X
29	033-124	Shield Plate — Rear		X
30	955-184	Tapping Screw $\frac{1}{4}$ NC x $\frac{1}{2}$		X
Not Shown		Engine Mounting Hardware see Items #4, #5, & #6	X	X
Not Shown		Briggs & Stratton 3.0 HP #92502	X	X

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# SENSATION

POWER MOWER OWNER'S MANUAL

MODEL 14L2-0  
14L2-1



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## SAFETY



### Caution Symbol

**THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOKLET TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.**

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — **READ THE OWNER'S MANUAL.**
5. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Mow across the face of steep slopes, never up and down the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Follow maintenance instructions as outlined in this manual.
22. **DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.**
23. Do not operate mower without the chute deflector and drag shield in place.

## SET-UP INSTRUCTIONS

### CHUTE DEFLECTOR



**CAUTION: DO NOT OPERATE MOWER WITHOUT CHUTE DEFLECTOR IN PLACE.**

Place Chute Deflector (Item 13 ) on top of Deck Grass Chute and align holes. Secure using Hex Cap Screws  $\frac{1}{4}$  NC x  $\frac{3}{4}$ , Lock Washer and Hex Nut provided.

### HANDLE ASSEMBLY

1. Assemble the Lower Handle Item 3 to the Upper Handle Item 1 using four Hex Cap Screws  $\frac{5}{16}$  NC x  $1\frac{1}{2}$  Item 4 . Tighten securely with Lock Washers and Hex Nuts provided.

2. Position the assembled Handle onto the Handle

Quadrant Item 7&8 and align the Lower  $\frac{1}{4}$  Dia Holes. Secure using two Hex Cap Screws  $\frac{1}{4}$  NC x  $\frac{3}{4}$  Item with Lock Washers and Hex Nuts provided.

3. Align the upper handle hole with the slot in the handle quadrant. Insert Hex Cap Screw  $\frac{1}{4}$  NC x  $\frac{3}{4}$  item 9 and hand tighten with lock washer and nuts provided. Position the handle in the most comfortable mowing position for you by moving the handle up and down. Tighten all nuts securely.

### ENGINE

Follow Engine Manufacturer's Instructions (refer to Engine Manual provided.)

## CUTTING HEIGHT ADJUSTMENT



**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

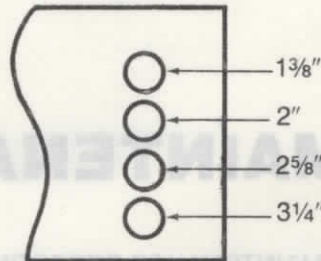
The Wheels are moved up or down in the Deck Wheel Pads to adjust cutting height.

1. Remove the  $\frac{3}{8}$  Hex Nut item 18 from the inside of the Deck Wheel Pad.

2. Pull Wheel Assembly out from the deck Wheel Pad.

3. Place the Wheel Assembly into the desired cutting height hole wanted. (See Illustration)

4. Secure using Hex Nut removed previously.



## OPTIONAL EQUIPMENT

### SNORKEL AIR CLEANER KIT

Insures top performance of engine for longer periods because the air cleaner has been removed from the dirt zone — means less downtime for serving filter element.

### GREASE GUN KIT

Used for lubricating Wheel Bearings.

SEE YOUR SENSATION DEALER FOR MORE DETAILS

## MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

### ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

### WHEELS

The wheels have a grease hole on the inside hub. Lubricate each wheel as required using a grease gun. Sensation markets a grease gun made special for the purpose. Order model #3XGG-0.

### BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

### BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

Assemble Blade and Washer in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

### BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

### DECK HOUSING

Area beneath Deck Housing should be clear of matted grass or other debris to prevent possible Blade interference and to insure best cutting performance.

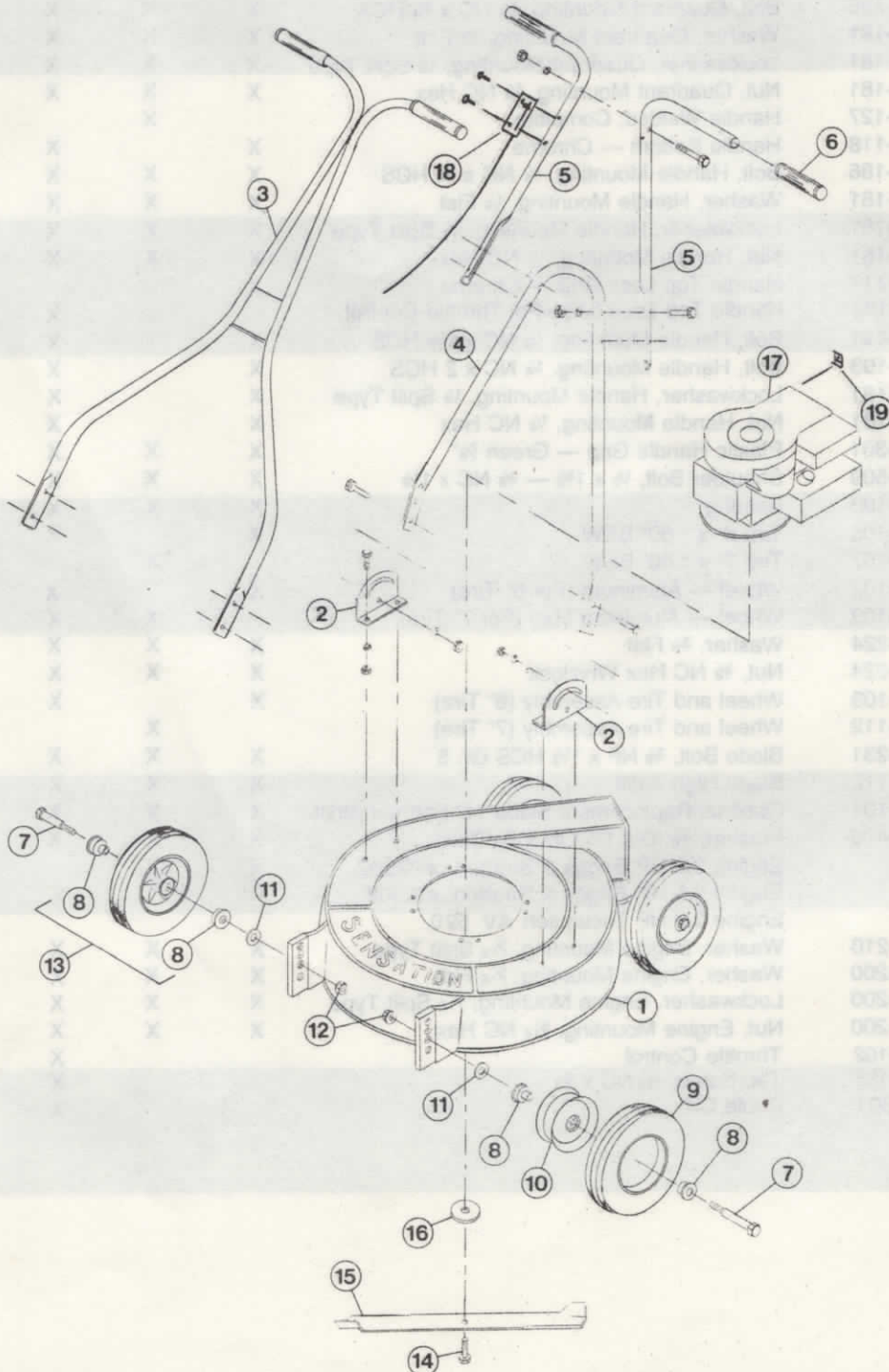
## MAINTENANCE RECORD

DATE	MAINTENANCE PERFORMED

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 14S2-0  
 14S2-1  
 14S2-2  
 14S2-3  
 14T2-0



## PARTS LIST

ITEM NO.	PART NO.	DESCRIPTION	MODEL USED ON				
			14S2-0	14S2-1	14S2-2	14S2-3	14T2-0
1	133-104	Deck 14" Cast Aluminum	X	X	X	X	X
2	253-115	Handle Quadrant	X	X	X	X	X
	901-186	Bolt, Quadrant Mounting, 1/4 NC x 3/4 HCS	X	X	X	X	X
	980-181	Washer, Quadrant Mounting, 1/4 Flat	X	X	X	X	X
	982-181	Lockwasher, Quadrant Mounting, 1/4 Split Type	X	X	X	X	X
	960-181	Nut, Quadrant Mounting, 1/4 NC Hex	X	X	X	X	X
3	253-127	Handle-Welded, Complete		X			
4	253-118	Handle Bottom — Chrome	X		X	X	X
	901-186	Bolt, Handle Mounting, 1/4 NC x 3/4 HCS	X	X	X	X	X
	980-181	Washer, Handle Mounting, 1/4 Flat	X	X	X	X	X
	982-181	Lockwasher, Handle Mounting, 1/4 Split Type	X	X	X	X	X
	960-181	Nut, Handle Mounting, 1/4 NC Hex	X	X	X	X	X
5	253-117	Handle Top Less Grip — Chrome	X				X
	253-135	Handle Top Less Grip — For Throttle Control			X	X	
	901-191	Bolt, Handle Mounting, 1/4 NC x 1 1/2 HCS	X		X	X	X
	901-193	Bolt, Handle Mounting, 1/4 NC x 2 HCS	X		X	X	X
	982-181	Lockwasher, Handle Mounting, 1/4 Split Type	X		X	X	X
	960-181	Nut, Handle Mounting, 1/4 NC Hex	X		X	X	X
	323-301	Plastic Handle Grip — Green 7/8"	X	X	X	X	X
7	999-509	Shoulder Bolt, 1/2 x 1 3/8 — 3/8 NC x 1 1/8	X	X	X	X	X
8	243-103	Bearing	X	X	X	X	X
9	263-105	Tire 6" x 1.50" BSW	X		X	X	X
	263-107	Tire 7" x 1.50" BSW		X			
10	083-102	Wheel — Aluminum (For 6" Tire)	X		X	X	X
	083-103	Wheel — Aluminum Mag (For 7" Tire)		X	X	X	
11	980-224	Washer, 3/8 Flat	X	X	X	X	X
12	970-224	Nut, 3/8 NC Hex Whizlock	X	X	X	X	X
13	082-103	Wheel and Tire Assembly (6" Tire)	X		X	X	X
	082-112	Wheel and Tire Assembly (7" Tire)		X			
14	904-231	Blade Bolt, 3/8 NF x 1 1/2 HCS Gr. 5	X	X	X	X	X
15	123-112	Blade High Airlift	X	X	X	X	X
	123-104	Optional Replacement Blade 14" Formed Airlift	X	X	X	X	X
16	999-405	Washer, 3/8 ID x 1 1/2 OD x 3/16 Thick	X	X	X	X	X
17		Engine 3.0 HP Briggs & Stratton #92502	X	X			
		Engine 3.5 HP Briggs & Stratton #92902			X	X	
		Engine 3.0 HP Tecumseh AV 520					X
	901-210	Washer, Engine Mounting, 5/16 Split Type	X	X	X	X	X
	980-200	Washer, Engine Mounting, 5/16 Flat	X	X	X	X	X
18	982-200	Lockwasher, Engine Mounting, 5/16 Split Type	X	X	X	X	X
	960-200	Nut, Engine Mounting, 5/16 NC Hex	X	X	X	X	X
	193-102	Throttle Control			X	X	
19	955-155	Tap Screw 3/16 NC x 5/8			X	X	
	193-301	Cable Clip			X	X	

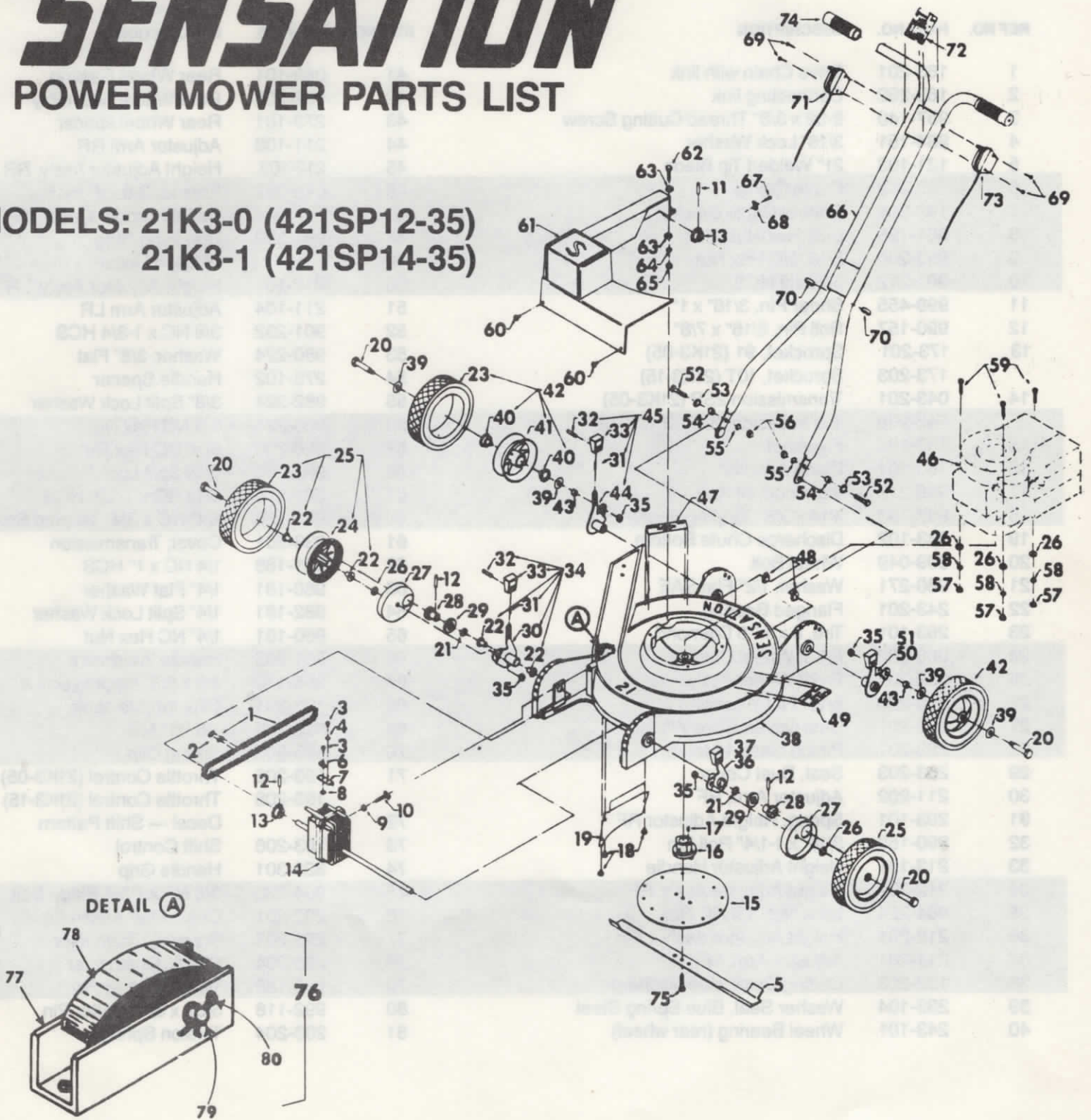
Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# SENSATION

## POWER MOWER PARTS LIST

MODELS: 21K3-0 (421SP12-35)  
21K3-1 (421SP14-35)



81-SPRING Not Shown



## PARTS LIST

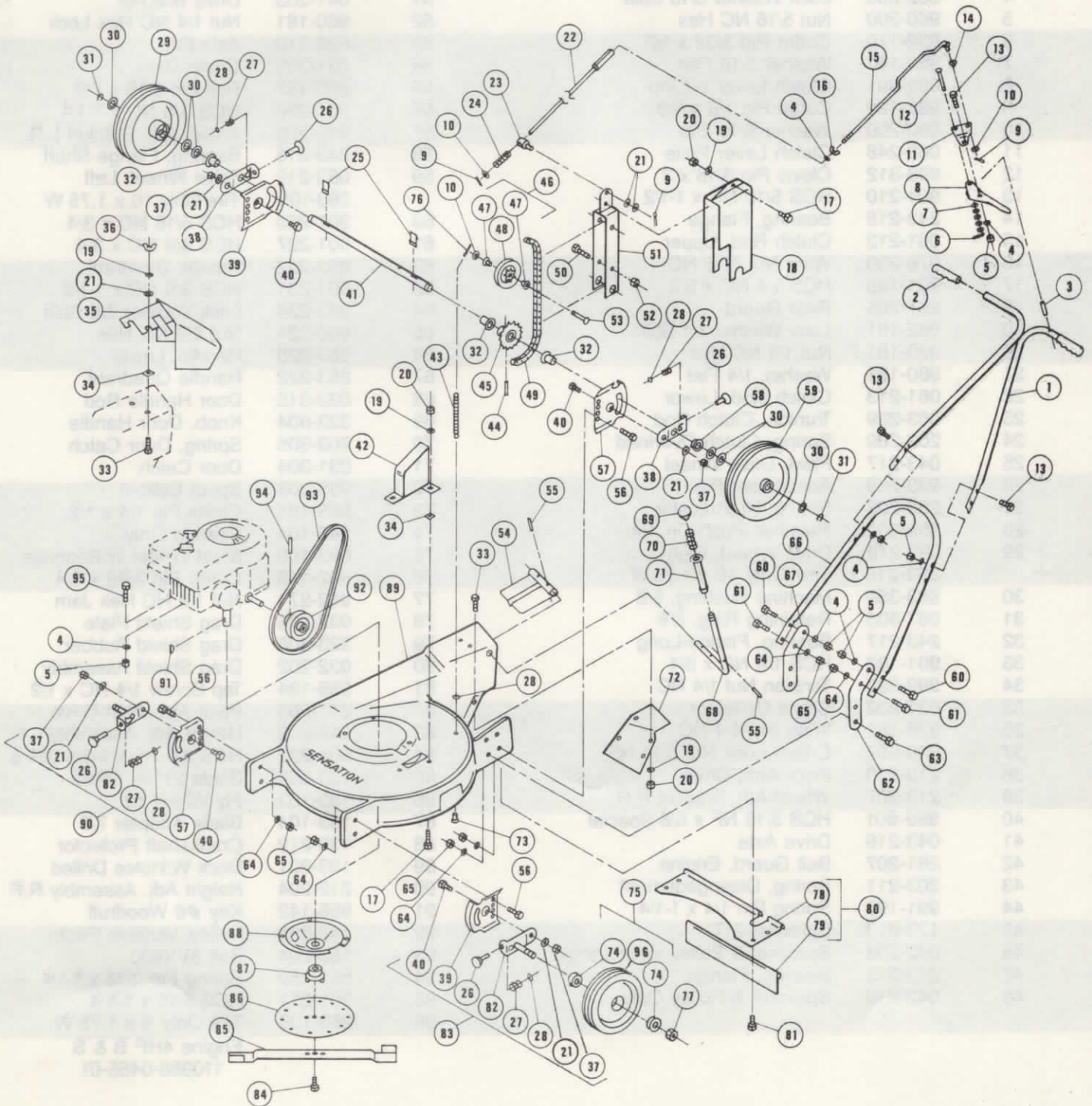
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	163-201	Drive Chain with link	41	083-101	Rear Wheel Casting
2	163-202	Connecting link	42	082-202	Rear Wheel Assembly
3	957-140	8-32 x 3/8" Thread Cutting Screw	43	273-101	Rear Wheel spacer
4	984-151	3/16" Lock Washer	44	211-103	Adjustor Arm RR
5	121-103	21" Welded Tip Blade	45	212-102	Height Adjustor Ass'y. RR
6	193-202	Cable Clamp	46	013-307	Engine, 3.5 HP B&S
7	193-204	Control Cable Bracket	47		Serial Number Decal
8	961-138	8-32 Hex Nut	48	987-299	Retaining Ring
9	960-200	5/16" NC Hex Nut	49		Caution Decal
10	901-212	5/16 x 2 HCS	50	212-101	Height Adjustor Ass'y. LR
11	999-455	Shear Pin, 3/16" x 1"	51	211-104	Adjustor Arm LR
12	990-157	Roll Pin, 3/16" x 7/8"	52	901-232	3/8 NC x 1-3/4 HCS
13	173-201	Sprocket, 91 (21K3-05)	53	980-224	Washer, 3/8" Flat
	173-203	Sprocket, 10T (21K3-15)	54	273-102	Handle Spacer
14	043-201	Transmission 2SP (21K3-05)	55	982-224	3/8" Split Lock Washer
	043-205	Transmission, 3SP (21K3-15)	56	960-224	3/8 NC Hex Nut
15	183-103	Flywheel	57	960-200	5/16 NC Hex Nut
16	183-101	Blade Adapter	58	982-200	5/16 Split Lock Washer
17	996-213	#6 Woodruff Key	59	901-210	5/16 NC x 1-1/2" HCS
18	957-183	#14 x 3/8" Tapping Screw	60	955-186	1/4" NC x 3/4" Tapping Screw
19	033-102	Discharge Chute Bottom	61	033-201	Cover, Transmission
20	999-049	Wheel Bolt	62	901-188	1/4 NC x 1" HCS
21	980-271	Washer, 1/2" Flat SAE	63	980-181	1/4" Flat Washer
22	243-201	Flanged Bearing	64	982-181	1/4" Split Lock Washer
23	263-101	Tire, 8 x 1.75 Diamond	65	960-181	1/4" NC Hex Nut
24	083-202	Front Wheel Casting	66	251-203	Handle Weldment
25	082-201	Front Wheel Ass'y.	67	955-142	#8 x 5/8" tapping screw
26	980-200	5/16" Flat Washer	68	193-301	Clip, throttle cable
27	083-201	Dust Cover, Drive Wheel	69	933-145	#8 x 1" MS
28	223-201	Pinion Gear, 11-tooth	70	193-302	Spring Clip
29	233-203	Seal, Dust Cover	71	193-205	Throttle Control (21K3-05)
30	211-202	Adjustor Arm, RF		193-208	Throttle Control (21K3-15)
31	203-101	Spring, Height Adjustor RF	72		Decal — Shift Pattern
32	990-159	3/16" x 1-1/4" Roll Pin	73	193-206	Shift Control
33	213-101	Height Adjustor Handle	74	323-301	Handle Grip
34	212-202	Height Adjustor Ass'y. RF	75	904-232	3/8 NF x 1-3/4 Blade Bolt
35	964-224	Lock Nut, 3/8 NC Hex	76	292-201	Chain Idler Assembly
36	212-201	Height Adjustor Ass'y. LF	77	293-203	Bracket, Chain Idler
37	211-201	Adjustor Arm, LF	78	293-204	Plastic Chain Idler
38	132-203	Cutting Deck, side discharge	79	993-188	1/4 x 1" Clevis Pin
39	233-104	Washer Seal, Blue Spring Steel	80	992-118	3/32 x 3/4" Cotter Pin
40	243-101	Wheel Bearing (rear wheel)	81	203-204	Torsion Spring

COMMERCIAL

# SENSATION

## POWER MOWER PARTS LIST

MODEL 21S4-0



## PARTS LIST

REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
1	252-208	Handle W/Grips	49	162-202	Chain W/Master Link
2	323-317	Handle Grips Only		163-212	Master Link Only
3	990-207	Roll Pin 5/16 x 1	50	901-193	HCS 1/4 NC x 2
4	982-200	Lock Washer 5/16 Split	51	041-203	Drive Bracket
5	960-200	Nut 5/16 NC Hex	52	960-181	Nut 1/4 NC Hex Lock
6	992-116	Cotter Pin 3/32 x 1/2	53	993-310	Axle Pin
7	980-151	Washer 3/16 Flat	54	031-303	Chute Door
8	062-301	Clutch Lever W/Grip	55	990-157	Roll Pin 3/16 x 7/8
9	992-129	Cotter Pin 1/8 x 5/8	56	901-230	HCS 3/8 NC x 1-1/4
10	980-200	Washer 5/16 Flat	57	213-208	Wheel Adj. Bracket L.R.
11	063-248	Clutch Lever Plate	58	243-216	Bearing, Flange-Short
12	993-312	Clevis Pin 3/16 x 2	59	083-219	Drive Wheel, Left
13	901-210	HCS 5/16 NC x 1-1/2		263-109	Tire Only 10 x 1.75 W
14	243-218	Bearing, Flange	60	901-205	HCS 5/16 NC x 3/4
15	061-212	Clutch Rod, Upper	61	901-227	HCS 3/8 NC x 3/4
16	976-200	Wing Nut 5/16 NC	62	253-222	Handle Quadrant
17	901-185	HCS 1/4 NC x 5/8	63	901-231	HCS 3/8 NC x 1-1/2
18	281-205	Rear Guard	64	982-224	Lock Washer 3/8 Split
19	982-181	Lock Washer 1/4 Split	65	960-224	Nut 3/8 NC Hex
20	960-181	Nut 1/4 NC Hex	66	253-220	Handle, Lower
21	980-181	Washer, 1/4 Flat	67	253-222	Handle Quadrant
22	061-213	Clutch Rod, Lower	68	033-315	Door Handle Rod
23	063-239	Trunion, Clutch Rod	69	323-804	Knob, Door Handle
24	203-209	Spring, Clutch Overload	70	203-305	Spring, Door Catch
25	043-217	Pawl, Drive Wheel	71	031-304	Door Catch
26	999-599	Adjustment Pin	72	033-208	Spout Bottom
27	203-208	Spring, Ht. Adjuster	73	993-184	Clevis Pin 1/4 x 1/2
28	989-302	Retainer, Push-On 1/4	74	243-104	Bearing Only
29	083-218	Drive Wheel, Right	75	083-106	Steel Wheel W/Bearings
	263-210	Tire Only 10 x 1.75 W	76	992-118	Cotter Pin 3/32 x 3/4
30	983-350	Machine Bushing, 5/8	77	962-271	Nut 1/2 NC Hex Jam
31	987-305	Retaining Ring, 5/8	78	033-205	Drag Shield Plate
32	243-217	Bearing, Flange-Long	79	323-206	Drag Shield Rubber
33	901-186	HCS 1/4 NC x 3/4	80	032-202	Drag Shield Assembly
34	999-596	Tension Nut 1/4 NC	81	955-184	Tap Screw 1/4 NC x 1/2
35	031-203	Chute Deflector	82	211-203	Pivot Arm, Non-Drive
36	976-181	Wing Nut 1/4 NC	83	212-203	Height Adj. Assembly L.F.
37	999-597	Crown Lock Nut 5/16 NF	84	904-232	HCS 3/8 NF x 1-3/4 GR 5
38	213-210	Pivot Arm, Drive	85	123-205	Blade 21" — Offset
39	213-207	Wheel Adj. Bracket R.R.	86	183-103	Fly Wheel 10"
40	999-601	HCS 5/16 NF x 5/8 Special	87	183-104	Blade Adapter 7/8
41	043-216	Drive Axle	88	133-212	Crankshaft Protector
42	281-207	Belt Guard, Engine	89	133-301	Deck W/Holes Drilled
43	203-211	Spring, Disengagement	90	212-204	Height Adj. Assembly R.F.
44	991-190	Spring Pin 1/4 x 1-1/4	91	996-142	Key #6 Woodruff
45	173-213	Sprocket 21T	92	143-208	Pulley, Variable Pitch
46	042-208	Sprocket & Pulley W/Bearings	93	153-204	Belt 3VX400
47	243-213	Bearing, Flange	94	991-159	Spring Pin 3/16 x 1-1/4
48	043-218	Sprocket & Pulley Only	95	901-211	HCS 5/16 x 1-3/4
			96	263-108	Tire Only 8 x 1.75 W
					Engine 4HP B & S 110988-0455-01

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".

COMMERCIAL

# ***SENSATION***

**POWER MOWER OWNER'S MANUAL**

**MODELS: 21S4-0  
21S4-1**



THE SENSATION CORPORATION • OMAHA, NEBRASKA 68110 USA

## SAFETY



### Caution Symbol

THE TRIANGULAR SYMBOL SHOWN ABOVE IS USED THROUGHOUT THIS BOOK TO CALL SPECIAL ATTENTION TO ITEMS AFFECTING THE OPERATOR'S PERSONAL SAFETY. THESE ITEMS SHOULD BE GIVEN CLOSE ATTENTION.

1. Keep all shields in place.
2. Wait for all movement to stop before servicing machine.
3. Keep people and pets a safe distance away from machine.
4. Know the controls and how to stop quickly — READ THE OWNER'S MANUAL.
5. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
6. Do not carry passengers.
7. Clear work area of objects which might be picked up and thrown. The blade can throw objects with sufficient force to cause damage or injury.
8. Stop engine before leaving operator position and before making any repairs or adjustments.
9. Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of steep slopes, never across the face.
10. Exercise extreme caution when changing direction on slopes.
11. Stay alert for holes in terrain and other hidden hazards.
12. Handle gasoline with care — it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors.
  - C. Wipe up any spilled gasoline thoroughly before starting the engine.
  - D. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine indoors.
13. Keep mower and attachments in good operating condition and keep safety devices in place.
14. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
15. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
16. Allow engine to cool before storing in any enclosure.
17. To reduce fire hazard, keep engine free of grass, leaves, or excessive grease.
18. Mower and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
19. Do not change engine governor settings or over-speed engine.
20. When using mower:
  - A. Mow only in daylight or in good artificial light.
  - B. Never make a cutting-height adjustment while engine is running.
  - C. Shut engine off when unclogging chute.
  - D. Check blade-mounting bolts for proper tightness at frequent intervals.
  - E. The blade continues to rotate for a few seconds after the engine is shut off. Do not place any part of the body in the blade area until you are sure the blade has stopped.
21. Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturers recommendations.
22. Follow maintenance instructions as outlined in this manual.
23. DISCONNECT THE SPARK PLUG WIRE BEFORE MAKING ANY ADJUSTMENT OR REPAIR.
24. Do not operate mower without either the chute deflector or grass catcher in place.

## SET-UP INSTRUCTIONS



**CAUTION: DO NOT OPERATE MOWER WITHOUT EITHER THE CHUTE DEFLECTOR OR OPTIONAL GRASS CATCHER IN PLACE.**

### CHUTE DEFLECTOR



**CAUTION: STOP ENGINE BEFORE INSTALLING CHUTE DEFLECTOR**

With chute door fully open, place chute deflector (Item #35) over mounting bolts on deck chute. The tab on the chute deflector must hold the door lever to keep door open. Secure with 1/4" washers, lock washers, and wing nuts provided.

### HANDLE ASSEMBLY

1. Assemble the lower handle (Item #66) to the upper handle (Item #1) using four hex cap screws 5/16 NC x 1 1/2. Tighten securely with lock washers and nuts provided.
2. Position the assembled handle onto the handle quadrants (Items #62 & 67). The lever should be on the

left. Mount with two hex cap screws 3/8 NC x 3/4 in the lower holes, and two 5/16 NC x 3/4 in the upper holes. Secure using lock washers and nuts provided.

### CLUTCH CONTROL

1. Insert the lower clutch rod (Item #22) through the trunion (Item #23) then into the bearing (Item #76). Place the overload spring (Item #24) over clutch rod and secure with 5/16" flat washer and cotter pin provided.
2. Insert the upper clutch rod (Item #15) into the bearing on the clutch lever plate (Item #11). Secure with 5/16 flat washer and cotter pin provided.
3. Thread the wing nut (Item #16) backwards onto the upper clutch rod. Follow with the washer (item #6).
4. Join the upper and lower clutch rods by turning the lower clutch rod only half way up the threaded end. Tighten the wing nut against the lower clutch rod.



**CAUTION: DO NOT START ENGINE UNTIL CLUTCH RODS ARE ADJUSTED. SEE "DRIVE BELT TENSION" LISTED UNDER "OPERATION."**

## OPERATION



**CAUTION: STOP ENGINE BEFORE MAKING ANY WHEEL ADJUSTMENTS.**

### CUTTING HEIGHT

Your mower can cut grass at heights from 1" to 3". Adjustments for height may be made by pulling the adjustment pin (Item #26) away from its locking hole and then moving it up or down. When desired height is found, release the pin into locking hole. All wheels should be placed at the same setting for even cutting. Refer to Figure #1. Any changes in cutting height may require readjustment of clutch rod. See "DRIVE BELT TENSION."

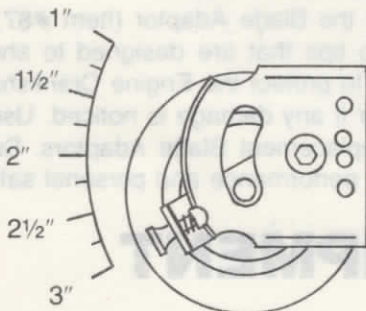


Figure 1.

### WHEEL DRIVE

The clutch lever mounted on the handle controls the forward motion of the mower. To engage the wheel drive mechanism, pull the lever up to the handle. Release the lever to its "neutral" position to stop the forward motion of the mower.

### DRIVE BELT TENSION

Proper belt tension must be maintained to insure safe clutching of the drive mechanism. Any change of cutting height or the variable speed pulley may require adjustment of belt tension.

1. With the engine shut off, pull the clutch lever up to the handle. Pulling the mower backwards should lock the rear wheels from turning. If not, screw in the lower clutch rod counter-clockwise from the operator's position, a few turns at a time.
2. Release the clutch lever. Now the mower should pull backwards easily. If not, unscrew the lower clutch rod clockwise from the operator's position, a few turns at a time.
3. Check again with Step #1 so the adjustment works both ways, then tighten the wing nut.
4. Start the engine in a clear area and check the clutching action. The drive belt should not move when the lever has been released. Turning the lower clutch rod clockwise will loosen the belt, turning counterclockwise will tighten it.

## GROUND SPEED ADJUSTMENT

The variable speed pulley on the engine controls ground speed.

1. Remove the front belt guard and loosen the outer set screw on the pulley.
2. Turn the outer half of the pulley by half turns only. Clockwise turns will make the mower move faster, counterclockwise turns will slow it down.
3. Tighten the set screw over the flat spot on the hub.
4. Replace the belt guard and check belt tension.

## CHUTE DOOR

The chute door is a safety feature designed to close when neither the chute deflector nor optional grass catcher is mounted. The tab on the chute deflector will hold the door lever "open" when the chute deflector is used.

To use the optional grass catcher, the catch tube (Item #71) must be pulled up and released into the lock on the grass catcher. This holds the grass catcher and opens the chute door.

# MAINTENANCE



**CAUTION: DISCONNECT SPARK PLUG LEAD PRIOR TO PERFORMING ANY MAINTENANCE.**

## LUBRICATION

1. Lubricate the front wheel bearings periodically using a grease gun. Sensation markets a grease gun made special for this purpose.
2. Lubricate the bearings in the upper sprocket & pulley (Item #47), all pivot points, and the four axle bearings with a light oil (SAE 10). Do not lubricate the pawl or rear wheels, they are self-lubricating. NOTE: Any oil or grease on the pawl will hamper its operation.

## DRIVE CHAIN

The chain should be lubricated more frequently by brushing oil (SAE 10) onto the entire chain.

## CHAIN REPLACEMENT

1. Remove the rear belt guard, disengagement spring (Item #43).
2. Pull out the axle pin (Item #53) and remove the sprocket & pulley.
3. Locate and remove the chain master link. Be careful not to bend keeper out of shape.
4. Install new chain making sure keeper snaps tightly in place, seating itself in both pin grooves.
5. Reassemble in opposite order.

## BELT REPLACEMENT

1. Remove front belt guard.
2. Follow steps #1 and #2 under "CHAIN REPLACEMENT."
3. Install new belt and reassemble.
4. Adjust clutch rods. See "DRIVE BELT TENSION" listed under "OPERATION."

## ENGINE

Follow Engine Manufacturer's recommendations (refer to Engine Manual provided.)

## BLADE



**CAUTION: REPLACE BLADE WHICH SHOWS ANY SIGN OF CRACKS OR CRYSTALLIZATION TO PREVENT ITS DISINTEGRATION AT HIGH ROTATING SPEEDS.**

The Blade must be kept sharp and in balance to insure best cutting/bagging results and top Engine performance. Use genuine "Sensation" replacement blades. Substitutes may endanger performance and personal safety.

## BLADE REMOVAL/REPLACEMENT



**CAUTION: USE A PAD OR WEAR A HEAVY GLOVE TO PROTECT YOUR HAND WHEN REMOVING OR INSTALLING BLADE.**

When removing Blade inspect Blade Adaptor Item #87. Replace if tips are broken off or damaged. Assemble Blade and Flywheel in sequence as illustrated. Tighten Blade Bolt securely. Bolt should be torqued to 35 FT/LB's.

## BLADE SHARPENING

It is recommended that the Blade be taken to your Sensation Dealer to insure proper sharpening and balancing.

## BLADE ADAPTOR

Inspect the Blade Adaptor (Item #87) frequently. There are two tips that are designed to shear off under high impact to protect the Engine Crankshaft. Replace Blade Adaptor if any damage is noticed. Use genuine "Sensation" replacement Blade Adaptors. Substitutes may endanger performance and personal safety.

# OPTIONAL EQUIPMENT

AUXILIARY GAS TANK KIT  
SNORKEL AIR CLEANER KIT  
GRASS CATCHER

WEAR PLATE KIT  
GREASE GUN KIT

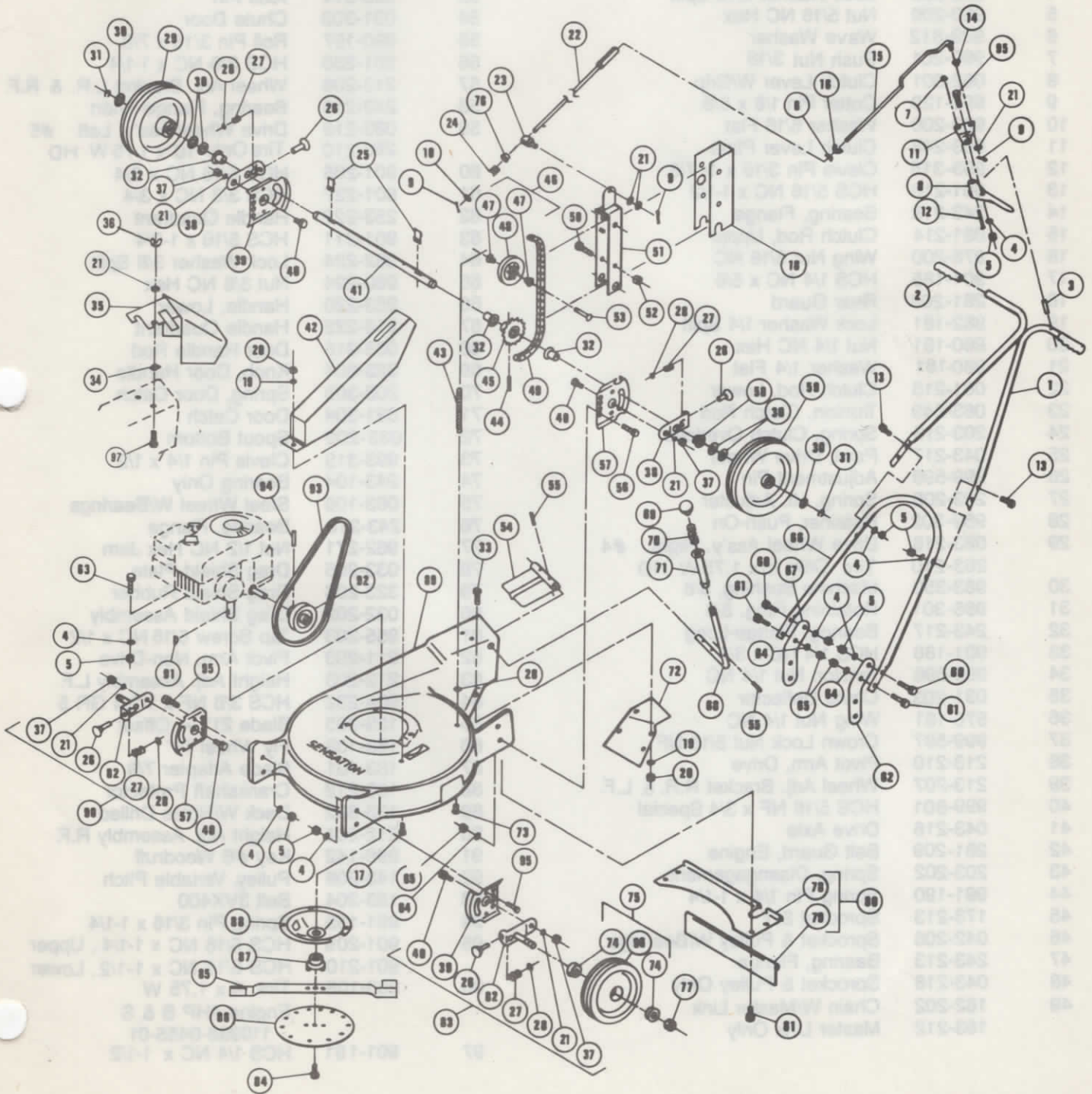
SEE YOUR SENSATION DEALER FOR MORE DETAILS

Form No. 113-219

# SENSATION

MODEL 21S4-1

## POWER MOWER PARTS LIST





## PARTS LIST

REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
1	252-208	Handle W/Grips	50	901-193	HCS 1/4 NC x 2
2	323-317	Handle Grips Only	51	041-203	Drive Bracket
3	990-207	Roll Pin 5/16 x 1	52	964-181	Nut 1/4 NC Hex Lock
4	982-200	Lock Washer 5/16 Split	53	993-314	Axle Pin
5	960-200	Nut 5/16 NC Hex	54	031-303	Chute Door
6	999-612	Wave Washer	55	990-157	Roll Pin 3/16 x 7/8
7	999-201	Push Nut 3/16	56	901-230	HCS 3/8 NC x 1-1/4
8	062-301	Clutch Lever W/Grip	57	213-208	Wheel Adj. Bracket L.R. & R.F.
9	992-129	Cotter Pin 1/8 x 5/8	58	243-216	Bearing, Flange-Short
10	980-200	Washer 5/16 Flat	59	083-219	Drive Wheel Ass'y, Left #5
11	063-248	Clutch Lever Plate		263-210	Tire Only 10 x 1.75 W HD
12	993-315	Clevis Pin 3/16 x 1-7/8	60	901-205	HCS 5/16 NC x 3/4
13	901-210	HCS 5/16 NC x 1-1/2	61	901-227	HCS 3/8 NC x 3/4
14	243-218	Bearing, Flange	62	253-222	Handle Quadrant
15	061-214	Clutch Rod, Upper	63	901-211	HCS 5/16 x 1-3/4
16	976-200	Wing Nut 5/16 NC	64	982-224	Lock Washer 3/8 Split
17	901-185	HCS 1/4 NC x 5/8	65	960-224	Nut 3/8 NC Hex
18	281-208	Rear Guard	66	253-220	Handle, Lower
19	982-181	Lock Washer 1/4 Split	67	253-222	Handle Quadrant
20	960-181	Nut 1/4 NC Hex	68	033-315	Door Handle Rod
21	980-181	Washer, 1/4 Flat	69	323-804	Knob, Door Handle
22	061-213	Clutch Rod, Lower	70	203-305	Spring, Door Catch
23	063-249	Trunion, Clutch Rod	71	031-304	Door Catch
24	203-213	Spring, Clutch Overload	72	033-208	Spout Bottom
25	043-217	Pawl, Drive Wheel	73	993-313	Clevis Pin 1/4 x 1/2
26	999-599	Adjustment Pin	74	243-104	Bearing Only
27	203-208	Spring, Ht. Adjuster	75	083-106	Steel Wheel W/Bearings
28	989-302	Retainer, Push-On	76	243-219	Bearing, Flange
29	083-218	Drive Wheel Ass'y, Right #4	77	962-271	Nut 1/2 NC Hex Jam
	263-210	Tire Only 10 x 1.75 W HD	78	033-205	Drag Shield Plate
30	983-350	Machine Bushing, 5/8	79	323-206	Drag Shield Rubber
31	986-301	Retaining Ring, 5/8	80	032-202	Drag Shield Assembly
32	243-217	Bearing, Flange-Long	81	955-203	Tap Screw 5/16 NC x 1/2
33	901-186	HCS 1/4 NC x 3/4	82	211-203	Pivot Arm, Non-Drive
34	999-596	Tension Nut 1/4 NC	83	212-203	Height Adj. Assembly L.F.
35	031-203	Chute Deflector	84	904-232	HCS 3/8 NF x 1-3/4 GR 5
36	976-181	Wing Nut 1/4 NC	85	123-205	Blade 21" — Offset
37	999-597	Crown Lock Nut 5/16 NF	86	183-103	Fly Wheel 10"
38	213-210	Pivot Arm, Drive	87	183-101	Blade Adapter 7/8
39	213-207	Wheel Adj. Bracket R.R. & L.F.	88	133-212	Crankshaft Protector
40	999-601	HCS 5/16 NF x 3/4 Special	89	133-302	Deck W/Holes Drilled
41	043-216	Drive Axle	90	212-204	Height Adj. Assembly R.F.
42	281-209	Belt Guard, Engine	91	996-142	Key #6 Woodruff
43	203-202	Spring, Disengagement	92	143-208	Pulley, Variable Pitch
44	991-190	Spring Pin 1/4 x 1-1/4	93	153-204	Belt 3VX400
45	173-213	Sprocket 21T	94	991-159	Spring Pin 3/16 x 1-1/4
46	042-208	Sprocket & Pulley W/Bearings	95	901-209	HCS 5/16 NC x 1-1/4, Upper
47	243-213	Bearing, Flange		901-210	HCS 5/16 NC x 1-1/2, Lower
48	043-218	Sprocket & Pulley Only	96	263-108	Tire 8 x 1.75 W
49	162-202	Chain W/Master Link			Engine 4HP B & S
	163-212	Master Link Only			110988-0455-01
			97	901-191	HCS 1/4 NC x 1-1/2

Note: The Engine used on this unit is warranted by the engine manufacturer and all parts and service must be obtained from the designated service center which may be found in the Yellow Pages under "Engines".