

# **Collection System**

# **Parts Manual**

Operators Manual Models: 114863 - DCK3

114873 - DCG3

Please read these instructions carefully and make sure you understand them before using the machine.

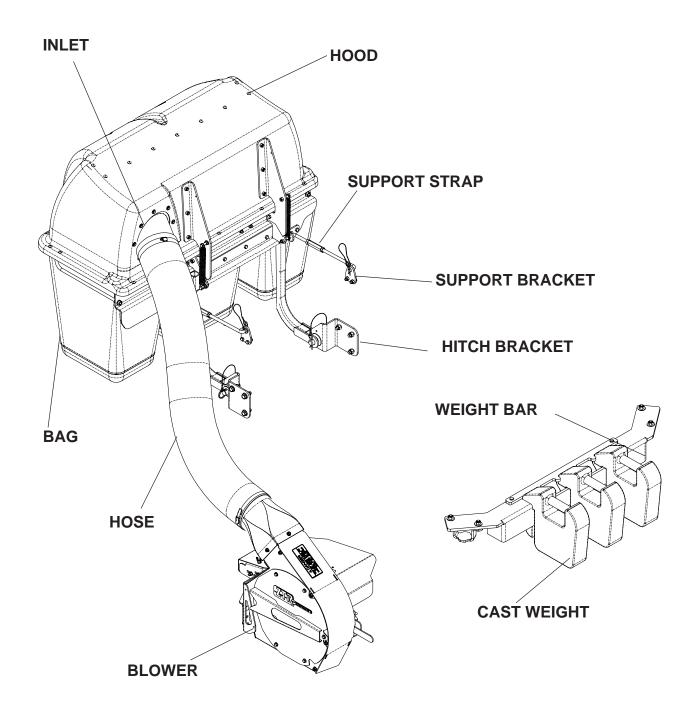
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#### **Operators Guide**

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Hood Assembly Hitch Assembly Blower Kit 52" Blower Kit 60" Blower Assembly Weight Kit (Model DCG3) Weight Kit (Model DCK3) Mounting Kit (Model DCG3) Mounting Kit (Model DCK3)	
Bag Assembly	

WARNING: Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### **FEATURES & CONTROLS**



**NOTE:** Your Front Weight Bar may look different from those shown in this diagram.

#### SAFETY RULES

#### **General Information**

This manual will assist you in the safe operation and proper maintenance of your Husqvarna equipment. Read it thoroughly before attempting to operate the machine. Call your dealer or Dixon if additional information is required.

The following safety symbols are used throughout the manual to alert you to information about unsafe actions or situations:



**DANGER** indicates immediate hazards that may result in severe injury or death.



WARNING indicates unsafe actions or situations that may cause severe injury, death, and/or major equipment or property damage.



**CAUTION** indicates unsafe actions or situations that may cause injury and/or minor equipment or property damage.

This equipment should not be modified without the manufacturer's prior written authorization. Doing so may not only affect the equipments' performance and durability, but also create safety hazards for the operator and the surroundings. Warranty will be void if changes are made to the equipment without the manufacturer's prior written authorization.

#### **Safety Procedures**

#### 1 - Training:

- Read the Operator's manual. If the operator(s) or mechanic(s) can not read English it is the owner's responsibility to explain this material to
- Become familiar with the safe operation of the equipment, operator's controls, and safety
- All operators and mechanics should be trained. The owner is responsible for training the users.
- Never let children or untrained people operate or service the equipment. Local regulations may restrict the age of the operator.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people, and/or property.

#### 2 - Preparation:

- Wear appropriate clothing including hard hat, safety glasses and ear protection. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Inspect the area where the equipment is to be used and remove all objects such as rocks, toys and wire which can be thrown by the machine.
- Use extra care when handling gasoline and other fuels. They are flammable and vapors are explosive. Use only an approved container. Never remove gas cap or add fuel with engine running. Allow engine to cool before refueling. Do not smoke while fueling or operating equipment. Never refuel or drain the machine indoors.
- Check that operator's controls, safety switches, hoses, and shields are securely attached and functioning properly. Do not operate unless they are functioning properly.

#### SAFETY RULES

#### 3 - Operation

- Never run an engine in an enclosed area.
- Only operate in good light, keeping away from holes and hidden hazards.
- Slow down and use extra care on hillsides.
   Make turns gradually and at slow speed. Do
   not operate across the sides of slopes. Operate
   up and down slopes only. Do not operate on
   steep slopes.
- Turf conditions can affect the machine's stability.
   Do not operate on wet grass where traction may be reduced.
- Do not change the engine governor setting or overspeed the engine.
- Stop equipment and inspect vacuum impeller and hoses after striking objects or if an abnormal vibration occurs. Make necessary repairs before resuming operations.
- Look behind and down before backing up to ensure a clear path.
- Slow down and use caution when making turns and crossing roads and sidewalks. Stop vacuum and mower blades if not mowing.
- Do not operate machine under the influence of alcohol or drugs.

- Use care when loading or unloading the machine into a trailer or truck.
- Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

#### 4 - Maintenance and Storage:

- Stop engine and disconnect spark plug wire.
   Wait for all movement to stop before adjusting, cleaning, or repairing.
- Clean grass and debris from muffler and engine to help prevent fires. Clean up oil or fuel spillage.
- Let engine cool before storing and do not store near sparks or open flame.
- Shut off fuel while storing. Do not store fuel near flames or drain indoors.
- Never allow untrained personnel to service machine.
- Keep hands and feet away from moving parts.
   If possible, do not make adjustments with the engine running.
- Keep all parts in good working condition and all hardware tightened. Replace all worn or damaged decals.

#### **Unpacking Instructions**

- 1. Cut plastic tie securing the hitch to the crate top.
- 2. Remove the top of the crate.
- 3. Remove the plastic bag.
- 4. Remove the hose.
- 5. Remove the sides and ends of the crate.
- 6. Remove the mounting kit box from the corner of the crate.
- 7. Cut the two plastic ties that secure the hitch assembly to the pallet. Remove the hitch assembly.
- 8. Cut the two plastic ties that secure the back of the hood, and the two that secure the front of the hood. Remove the hood assembly.
- 9. Cut and two plastic ties that secure the weight bar to the pallet. Remove the weight bar.
- 10. Cut the two plastic ties that secure the blower assembly to the pallet. Remove the blower assembly.
- 11. Remove the 1 x 4 that secures the cast weights to the pallet. Remove the weights.

### **Assembly Instructions**

#### **Collection System**

Tools Required:

Ratchet (2) 3/4" Wrench
Torque Wrench 3/4" Socket
1/2" Wrench Flat Screw Driver
1/2" Socket 5/32" Allen Wrench

9/16" Wrench Hacksaw 9/16" Socket 11/32" Drill Bit

5/8" Socket Drill

- Open the mounting kit box and remove all of the components.
- 2. Place the support bracket on the frame and secure with (2) 990563, 3/8 x 1 bolts and (2) 976979, 3/8 nyloc nuts. Figure 1.
- 3. Place the hitch brackets on the frame and secure with (3) 990622, 1/2 x 1 1/4 bolts and (3) 101331, 1/2 nyloc nuts. Figure 1.

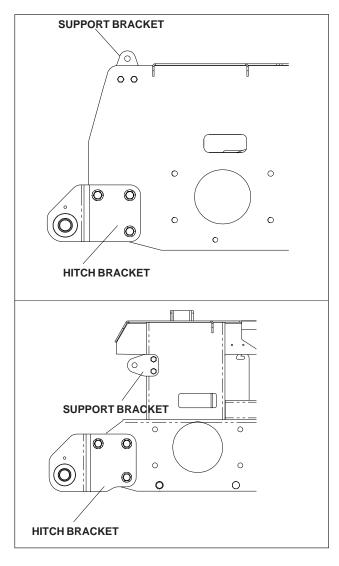


FIGURE 1

4. Place the hitch assembly on the ground behind the mower. Place the (2) hitch pins thru the hitch and the hitch brackets. Secure the hitch pins with the (2) hairpins that are secured with the (2) lanyards. Figure 3.

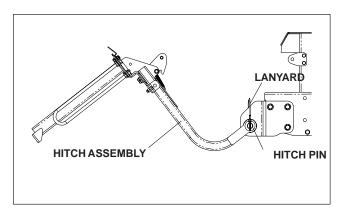


FIGURE 2

5. Move to the rear of the hitch assembly and pick it up towards the rear guard. Secure using straps. Figure 2.

- 6. Place the hood assembly on to the hitch 7. assembly. Place both hood hinges between the upper hitch mounts on the hitch assembly. Be sure that the rubber seal is on the inside of the hood. Place the (2) friction washers between the hood hinge and the upper hitch mount. Place (2)990563, 3/8 x 1 bolt thru the hinge and mount. Secure with (2) 976979, 3/8 nyloc nut. Figure 3.
  - Open the hood and secure the (2) springs to the bolts on the hood assembly and the hitch assembly. Figure 3.

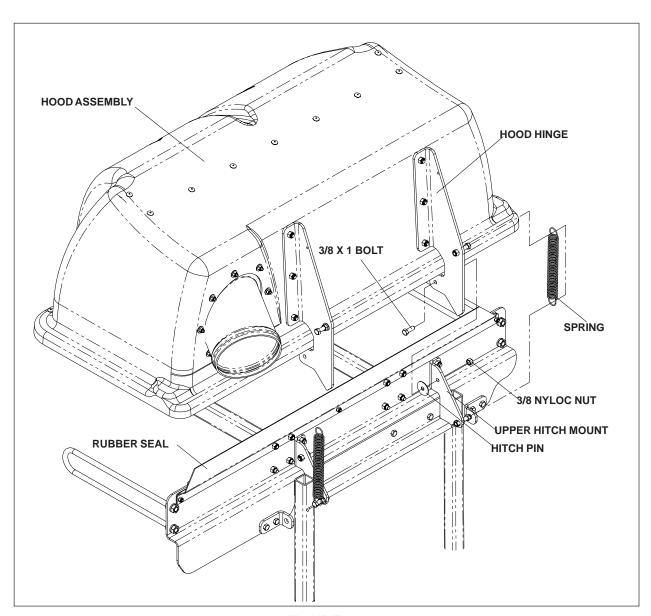


FIGURE 3

- 8. With the hood open, secure the (3) bags in place. The back of the bags will hook over the mounting tabs on the hitch assembly. Figure 4.
- 9. Close the hood, and latch the draw latch over the draw latch keeper on the hitch assembly. Figure 4.

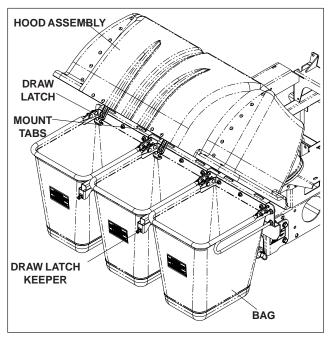


FIGURE 4

10. Install the (2) straps to the (2) support brackets on hitch assembly and the (2) support brackets on the frame. Figure 5.

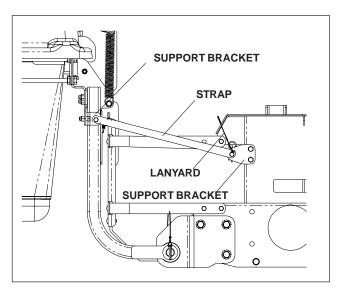


FIGURE 5

#### **Blower/Drive Kit**

- 1. Open the blower/drive kit box and remove all of the components.
- 2. Place the deck in the lowest cutting height.
- 3. Remove the right side belt shield from the deck.
- 4. Remove the deck belt from the right side pulley.
- 5. Remove the deck pulley and spindle, but keep the hardware at hand for re-installation.
- Install new spindle. Use existing deck pulley and key. Add new pulley, with raised portion of pulley hub on the bottom. Secure with existing hardware and tighten to 70 - 80 ft./ lbs.
- 7. Attach blower housing assembly to mower deck. First, insert the stud at rear of blower housing into tube at rear of deck discharge opening. See Figure 7.

  Rotate blower housing around toward the front. The eyelbolt at front of blower housing will nest into slot in deck bracket. Tighten with knob on eyeblot. See Figure 7.
- 8. Install blower drive belt so that blower rotation is clockwise when viewed from the operator's position. Belt will be easiest to install if it goes on the flat idler pulley last. Pull lever in Figure 8 to assist in routing belt around flat idler. After belt is installed, make certain the bolts are tight on the bracket supporting the rear "V" idler pulley. Refer to Figure 8.

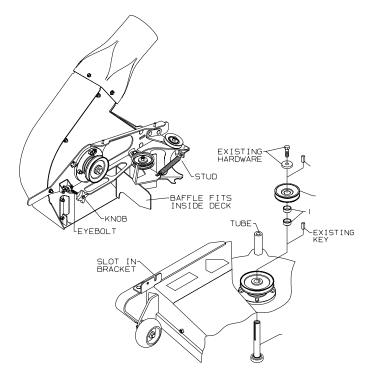


FIGURE 7

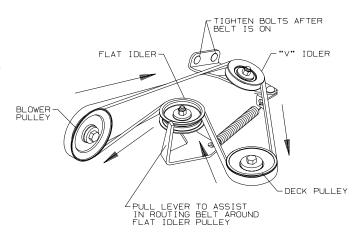


FIGURE 8

- 9. Install belt guard to blower assembly using three 1/4" washers and three 1/4" wing nuts. See Figure 9.
- 10. Install hose on the blower housing and secure with hose clamp.

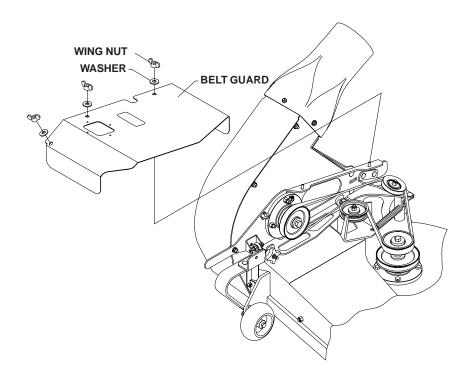


FIGURE 9

#### **OPERATION**

#### **Operating the Collection System**

- 1. NEVER USE THE COLLECTION SYSTEM WITHOUT THE BLOWER ASSEMBLY AND HOSES SECURELY ATTACHED.
- 2. Make sure hoses are connected at both ends. Inspect hoses prior to each use.
- 3. Do not use the unit on slopes greater than 10 degrees.
- 4. The mower must be running in order to vacuum debris through the mower deck.
- 5. In heavy grass it may be necessary to mow and collect at a slower ground speed.
- 6. Never attempt to unclog the collection system until the mower's engine engine has been shut off and all moving parts have come to a complete stop.
- Do not stand behind the vent at the rear of the collection system due to the potential for small pieces of blowing debris to escape through the vent.
- 8. Wear eye and ear protection.

#### SERVICE AND MAINTENANCE

#### **Transport**



#### **WARNING**

The collection system bags must be completely empty or removed while driving forward onto a trailer. If the mower must be loaded onto a trailer while there is still debris in the container, the mower must be backed up onto the trailer to avoid tipping.

For best results, clean poly mesh inside hood regularly. Instructions for doing this can be found in the Service section of this manual.

#### **Cleaning and Washing**

Regular cleaning, washing, and lubricating will prolong the service of the machine.

**NOTE:** Use care with power washers to avoid damage to decals. Limit direct spray on these items.

DO NOT EXCEED 1000 PSI WATER PRESSURE FOR CLEANING.

#### **Storage**

- 1. Clean machine.
- 2. Cover all scratches with touch-up paint.
- 3. Covered or indoor storage is recommended.

#### **Preventative Maintenance Schedule**

Item	Before Each Use	Every 5 Hours	Every 25 Hours	Every 50 Hours
Inspect/Clean Poly Mesh	X	Х		
Check/Tighten Nuts & Bolts	Х			
Check/Tighten Hoses	Х			
Turn Hose End to End			Х	
Rotate Hose				Х
Clean Machine				x
Inspect Bags	Х			

#### SERVICE AND MAINTENANCE

#### **Caring For Hoses**

- Inspect hoses before each use. If hoses have excessive wear, tears, or punctures, replace immediately.
- 2. To prolong the life of the hose, periodically rotate hose and turn hose end to end. Refer to Preventative Maintenance Schedule in this manual.
- 3. Avoid twists and sharp turns in the hoses, as they will increase wear on the hoses.
- 4. Avoid dragging the lower hose along the sides of buildings or other hard surfaces.

#### **Caring For Bags**

Inspect the bags before each use. If bags have excessive wear, tears or punctures, replace immediately.

Cleaning Instructions

**NOTE:** Under normal usage the bag material is subject to deterioration and wear.

#### **Cleaning Poly Mesh**

The poly mesh on the collection system is located inside the container hood. For best results, clean poly mesh regularly.

Cleaning Instructions

- 1. Shut off engine.
- 2. Release the two (2) rubber latches under the rear of the hood. Open hood and brush debris off of both sides.
- 3. Close hood and re-latch.

DO NOT USE THE COLLECTION SYSTEM WITHOUT POLY MESH SECURELY IN PLACE.

### **SERVICE AND MAINTENANCE**

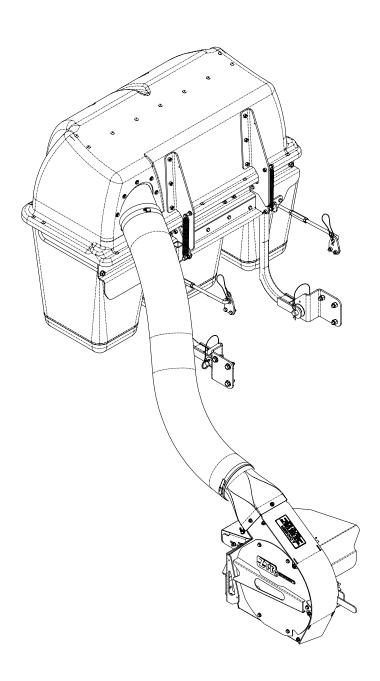
### **Troubleshooting Guide**

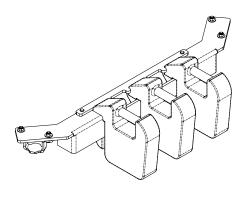


Before servicing unit, wait for all moving parts to come to a complete stop. Turn engine off and remove the spark plug wire.

PROBLEM	POSSIBLE CAUSE	CORRECTION
Loss of Vacuum.	<ol> <li>Blower, hose or hood inlet clogged.</li> <li>Bags full.</li> <li>Fan blades bent or broken.</li> <li>Poly mesh plugged.</li> </ol>	<ol> <li>Remove hose and clean inlet.</li> <li>Inspect and empty.</li> <li>Replace/repair impeller.</li> <li>Clean poly mesh.</li> </ol>
Unusual vibration or noise.	<ol> <li>Solid object jammed in unit.</li> <li>Loose or missing bolts on unit.</li> <li>Bent or damaged fan.</li> </ol>	Check and remove any obstruction.     Tighten or replace bolts.     Replace/repair impleller.
Unit difficult to close.	<ol> <li>Obstructions keeping door from completely closing.</li> <li>Hood hinge bolts too tight.</li> </ol>	Clear obstructions.     Loosen bolts.

### **SPINDLE DRIVE ASSEMBLY**

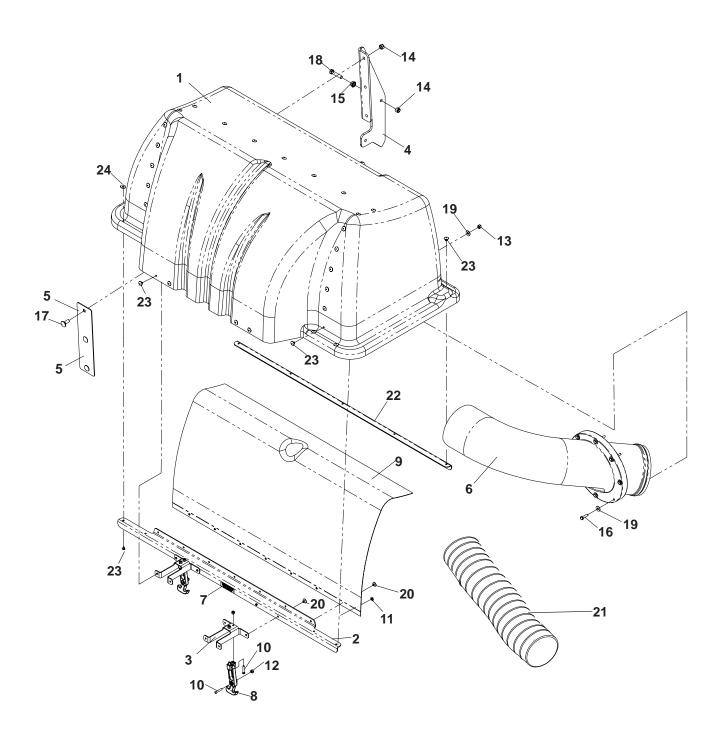




**NOTE:** Your Front Weight Bar may look different from those shown in this diagram.

# PARTS ILLUSTRATIONS

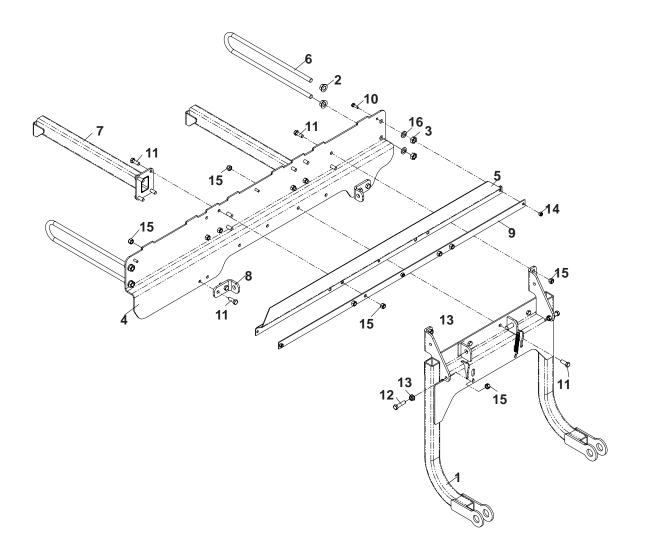
# **HOOD ASSEMBLY**



## **HOOD ASSEMBLY**

ITEM PART NO	O. QTY	DESCRIPTION
1 539 1111	72 1	HOOD
2 539 1111	74 1	HOOD SUPPORT
3 539 1111	75 2	SUPPORT, DRAW LATCH
4 539 1111	77 2	HOOD HINGE
5 539 1111	81 2	MOUNT PLATE
6 539 1111	82 1	INLET TUBE
7 539 1112	60 1	DECAL, VENTILATION
8 539 2004	782	DRAW LATCH, FLEXIBLE T-HANDLE
9 539 1111	83 1	MESH, POLY DIAMOND
10 539 1111	86 6	SCREW, #10-24 X 1 1/8, MACH.
		WASHER, #10
12 539 9769	77 6	NUT, #10-24, NYLOC
13 539 9769	78 8	NUT, 1/4C, NYLOC
14 539 9769	79 8	NUT, 3/8C, NYLOC
15 539 9906		· · · · · · · · · · · · · · · · · · ·
		HCS, 1/4-20 X 1 3/4
17 539 9906	45 6	RHSNB, 3/8-16 X 1
18 539 9907	'302	HCS, 3/8-16 X 1 3/4
19 539 9905		
20 539 1027	'44 11	RIVET, 3/16 X 1/4
21 539 1153		
		HOOD SUPPORT, REAR
23 539 2006	84 30	RIVET, 1/4 STAVEX
		WASHER, #10
539 1157	191	HOSE CLAMP, DCK3 (NOT SHOWN)

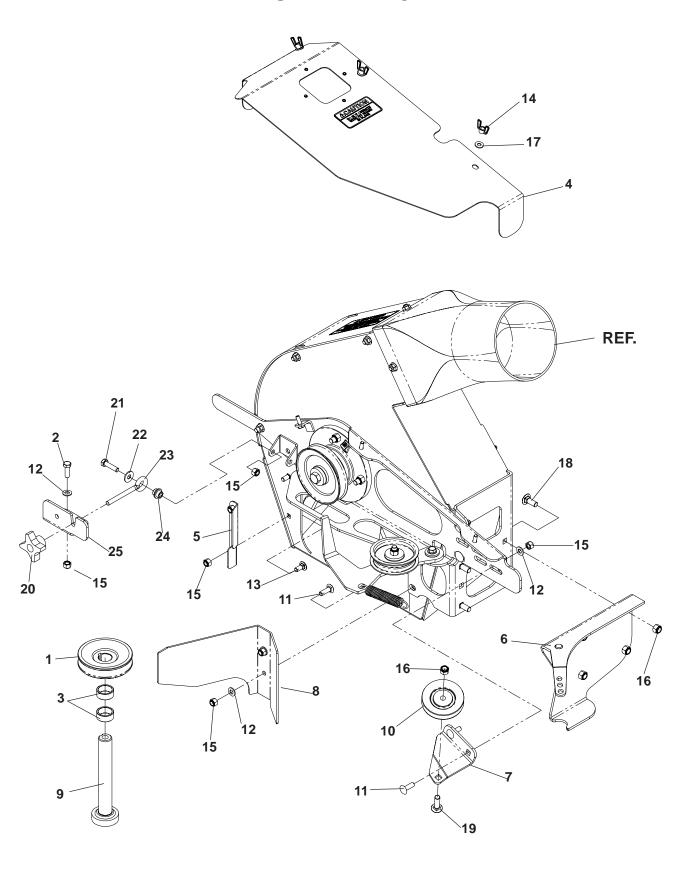
# **HITCH ASSEMBLY**



# **HITCH ASSEMBLY**

ITEM	PART NO.	QTY	DESCRIPTION
1	. 539 111155 .	1	HITCH
2	. 539 111187 .	4	NUT, 1/2-13, WHIZLOCK
3	539 990625	4	NUT, 1/2, JAM
4	. 539 111157 .	1	MOUNT Z BRACE
5	. 539 111167 .	1	SEAL, RUBBER
6	. 539 111158 .	2	SUPPORT, OUTER
7	. 539 111162 .	2	SUPPORT ARM
8	. 539 111267	2	BRACKET, SUPPORT
9	. 539 111171 .	1	SEAL STRAP
10	539 990580	3	HCS, 1/4-20 X 3/4
11	539 990563	20	HCS, 3/8-16 X 1
12	539 990655	2	HCS, 3/8-16 X 1 1/2
13	539 990613	2	NUT, 3/8C
14	539 976978	3	NUT, 1/4C, NYLOC
15	539 976979	22	NUT, 3/8C, NYLOC
16	539 990254	4	WASHER, 1/2

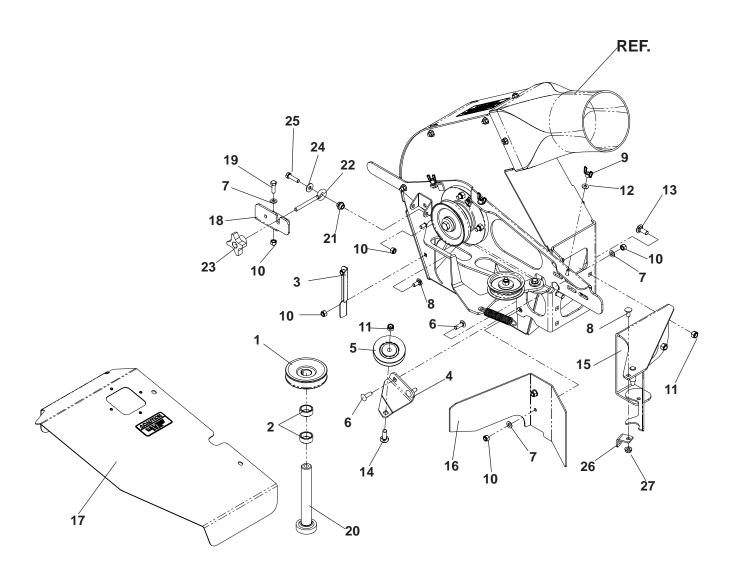
# **BLOWER KIT 52"**



## **BLOWER KIT 52"**

ITEM P	ART NO.	QTY	DESCRIPTION
1 53	39 121215	1	PULLEY, "v", 4.0"
2 53	39 990209	2	HCS, 5/16-18 X 1, GR5
3 53	39 119489.	2	HUB, BEARING, SPACER
4 53	39 114993.	1	GUARD
5 53	39 118257.	1	ANGLE
6 53	39 118250.	1	52" BLOWER PIVOT
7 53	39 118249.	1	FIXED IDLER BRACKET
8 53	39 117938.	1	BLOCK OFF PLATE
9 53	39 117912.	1	SPINDLE
10 53	39 117501.	1	3" METAL IDLER
11 53	39 107271	4	RHSSNB, 5/16C X 1.0
12 53	39 990188	6	WASHER, 5/16, SAE
13 53	39 990316	2	RHSNB, 5/16-18 X 3/4, GR5
14 53	39 990997	3	WINGNUT, 1/4C, NYLOC
15 53	39 990717	9	NUT, 5/16-18, NYLOC
			NUT, 3/8-16, NYLOC
17 53	39 115562.	3	WASHER, 1/4, SAE
			RHSNB, 3/8-16 X 1, GR5
19 53	39 109345	1	RHSNB, 3/8-16 X 1 1/2, GR5
20 53	39 115746.	1	SEAT ADJUST KNOB
21 53	39 990627	1	HCS, 5/16-18 X 1 1/4, GR5
22 53	39 990692	1	WASHER, 5/16
23 53	39 115574.	1	EYE BOLT, 5/16 X 3 1/2
24 53	39 127092	1	SPRING CAP
25 53	39 117939.	1	LATCH RECEIVER
53	39 120772	1	BELT (NOT SHOWN)

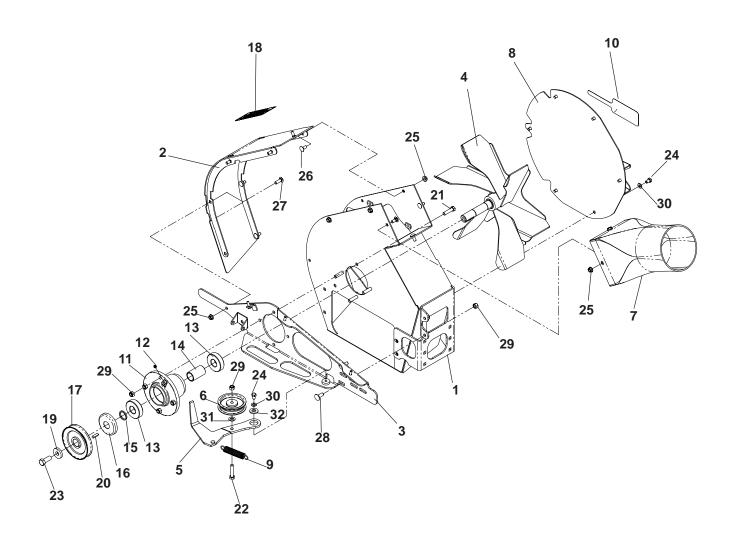
# **BLOWER KIT 60"**



### **BLOWER KIT 60"**

ITEM PART NO.	QTY	DESCRIPTION
1 539 121215	1	PULLEY, "v", 4.0"
2 539 119489	2	HUB, BEARING, SPACER
3 539 118257	1	ANGLE
4 539 118249	1	FIXED IDLER BRACKET
5 539 117501	1	3" METAL IDLER
6 539 107271	4	RHSSNB, 5/16C X 1.0
7 539 990188	6	WASHER, 5/16, SAE
8 539 990316	2	RHSNB, 5/16-18 X 3/4, GR5
9 539 990997	3	WINGNUT, 1/4C, NYLOC
10 539 990717	9	NUT, 5/16-18, NYLOC
11 539 976979	5	NUT, 3/8-16, NYLOC
12 539 115562	3	WASHER, 1/4, SAE
13 539 990645	4	RHSNB, 3/8-16 X 1, GR5
14 539 109345	1	RHSNB, 3/8-16 X 1 1/2, GR5
15 539 118261	1	60" BLOWER PIVOT
16 539 118265	1	BLOCK OFF PLATE
17 539 130198	1	GUARD
		LATCH RECEIVER
		HCS, 5/16-18 X 1, GR5
20 539 117912	1	SPINDLE
21 539 127092	1	SPRING CAP
22 539 115574	1	EYE BOLT, 5/16 X 3 1/2
23 539 115746	1	SEAT ADJUST KNOB
24 539 990692		
25 539 990627	1	HCS, 5/16-18 X 1 1/4, GR5
		SPRING MOUNT
27 539 115674	1	L-NUT, 5/16-18, FLANGED
539 120772	1	BELT (NOT SHOWN)

## **BLOWER ASSEMBLY**

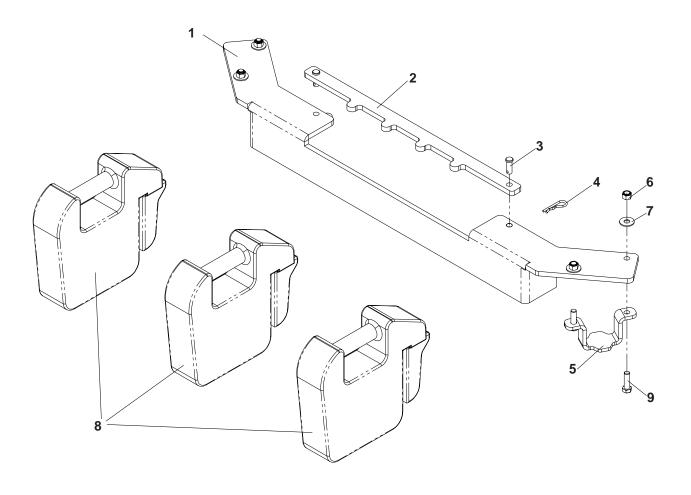


### **BLOWER ASSEMBLY**

ITEM PART NO.	QTY	DESCRIPTION
1 539 117919	1	FAN HOUSING
2 539 118255	1	SANDLINER
3 539 118253	1	BLOWER HUB STIFFENER
4 539 117917	1	FAN
5 539 117924	1	FAN IDLER ARM
6 539 117500	1	3" METAL IDLER
7 539 118211	1	BLOWER EXIT TUBE
8 539 118270	1	OUTER PLATE
9 539 115275		
10 539 119902		•
11 539 117970		
		ZERK, 3/15" DRIVE
13 539 119260	2	BEARING
14 539 117971	1	SPACER
		HUB PULLEY SPACER
16 539 119811		
17 539 119264		
		DECAL, G.C. WARNING
19 539 115636		
20 539 115387		
		HCS, 3/8-16 X 1 1/2, GR5
		HCS, 3/8-16 X 1 3/4, GR5
		BOLT, 1/2-20 X 1 1/4
24 539 124796	7	HCS, 5/16-18 X 1/2, GR5
		L-NUT, 5/16-18, FLANGED
		RHSNB, 5/16-18 X 3/4, GR5
		RHSSNB, 5/16C X 1.0
		RHSNB, 3/8-16 X 1, GR5
		NUT, 3/8-16, NYLOC
		WASHER, 5/16, SAE
		WASHER, 3/8, SAE
32 539 990250	1	WASHER, 1/2, SAE

## **WEIGHT KIT**

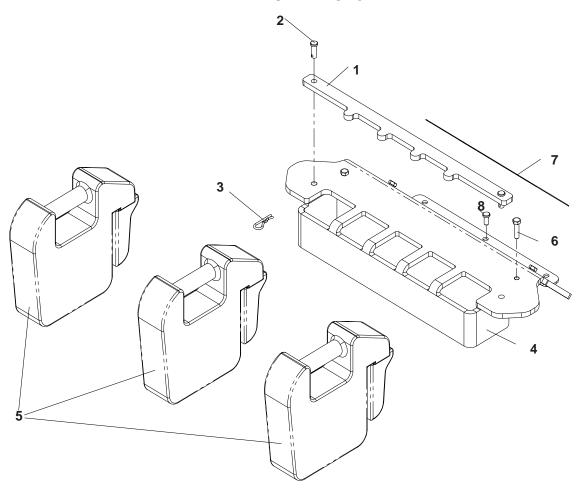
#### MODEL DCG3



ITEM	PART NO.	QTY	DESCRIPTION
1	539 020255	1	WEIGHT BAR, FRONT
2	539 111313	1	HOLD DOWN, WEIGHT BAR
3	539 102049	2	CLEVIS PIN
4	539 108096	2	SPRING RETAINER
5	539 111259	2	WEIGHT KEEPER
6	539 976979	4	NUT, 3/8, NYLOC
7	539 990517	4	WASHER, 3/8
8	539 000019	3	CAST COUNTERWEIGHT
9	539 976941	4	HCS, 3/8-16 X 1 1/4, GR5

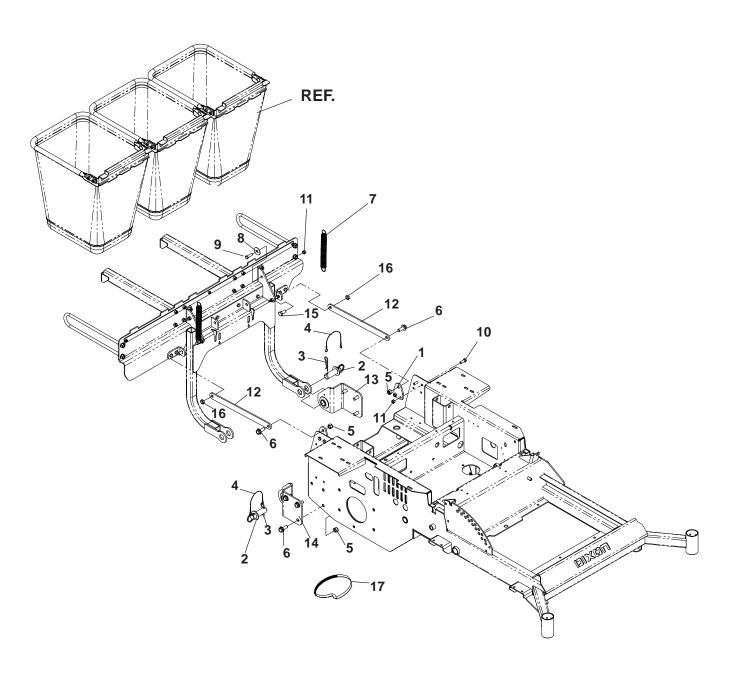
## **WEIGHT KIT**

### MODEL DCK3



IIEM	PART NO.	QTY	DESCRIPTION
1	539 111313.	1	HOLD DOWN, WEIGHT BAR
2	539 102049	2	CLEVIS PIN
3	539 108096	2	SPRING RETAINER
4	539 114858.	1	WEIGHT BAR
5	539 000019	3	CAST COUNTERWEIGHT
6	539 990627	4	HCS, 5/16-18 X 1 1/4, GR5
7	539 977778	1	PAD, ABRASIVE
8	539 102587	3	BUMPER

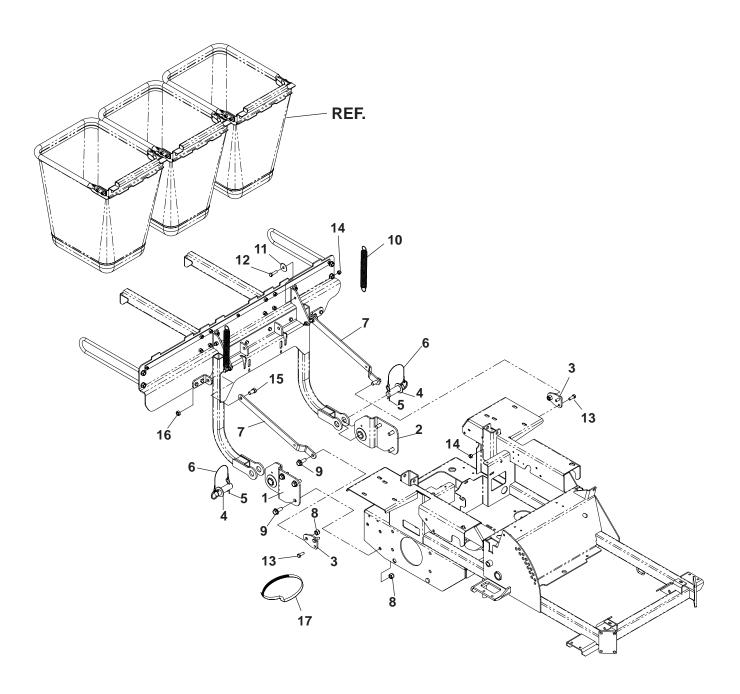
### MODEL DCG3



#### **MODEL DCG3**

ITEM PA	RT NO.	QTY	DESCRIPTION
1 539	9 111215	2	SUPPORT BRACKET
2 539	111206	2	HITCH PIN
3 539	111192	2	HAIRPIN
4 539	102563	2	LANYARD
5 539	0 101331	8	NUT, 1/2, NYLOC
6 539	990622	8	BOLT, 1/2-13 X 1 1/4, WHIZLK
7 539	9 111191	2	SPRING
8 539	102998	2	FRICTION WASHER
9 539	976941	2	HCS, 3/8-16 X 1 1/4, GR5
			HCS, 3/8-16 X 1, GR5
11 539	976979	6	NUT, 3/8-16, NYLOC
12 539	114674.	2	STRAP
13 539	111199	1	HITCH BRACKET, LEFT
14 539	111201	1	HITCH BRACKET, RIGHT
15 539	990646	2	HCS, 1/2-13 X 1, GR5
16 539	115609.	2	NUT, 1/2-13, THIN NYLOC
17 539	115719	1	HOSE CLAMP

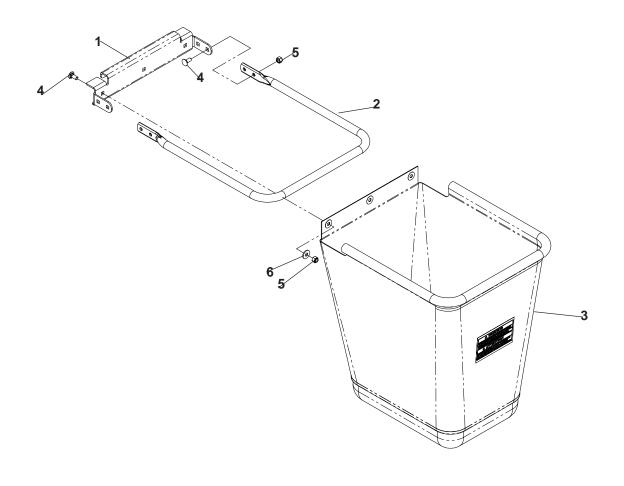
#### MODEL DCK3



#### MODEL DCK3

ITEM	PAF	RT NO.	QTY	DESCRIPTION
1	. 539	111205.	1	HITCH BRACKET, RIGHT
2	539	111203.	1	HITCH BRACKET, LEFT
3	. 539	111215.	2	SUPPORT BRACKET
4	. 539	111206.	2	HITCH PIN
5	. 539	111192.	2	HAIRPIN
6	. 539	102563	2	LANYARD
7	. 539	114672.	2	STRAP
8	. 539	101331	8	NUT, 1/2, NYLOC
9	. 539	990622	8	BOLT, 1/2-13 X 1 1/4, WHIZLK
10	539	111191 .	2	SPRING
11	539	102998	2	FRICTION WASHER
12	539	976941	2	HCS, 3/8-16 X 1 1/4, GR5
13	539	990563	4	HCS, 3/8-16 X 1, GR5
14	539	976979	6	NUT, 3/8-16, NYLOC
15	539	990646	2	HCS, 1/2-13 X 1, GR5
16	539	115609	2	NUT, 1/2-13, THIN, NYLOC
17	539	115719	1	HOSE CLAMP

# **BAG ASSEMBLY**



ITEM PART NO. QTY DESCRIPTION	
1 539 110063 1 HANGER, BAG	
2 539 111166 1 TUBE, BAG FRAME	
3 539 111300 1 BAG, SMALL	
4 539 990316 7 RHSNB, 5/16-18 X 5/8,	GR5
5 539 990717 7 NUT, 5/16, NYLOC	
6 539 990692 3 WASHER, 5/16	

