

SETUP, PARTS & MAINTENANCE MANUAL 2 BAG CATCHER

MODELS:

970338	2 BAG CATCHER, 36
970339	2 BAG CATCHER, 42
970340	2 BAG CATCHER, 48
970341	2 BAG CATCHER, 52



WARNING: If incorrectly used this machine can cause severe injury. Those who use and maintain this machine should be trained in its proper use, warned of its dangers and should read the entire manual before attempting to set up, operate, adjust or service the machine.

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Section 1

Safety Information

NOTICE!!!

Unauthorized modifications may present extreme safety hazards to operators and bystanders and could also result in product damage.

The manufacturer strongly warns against, rejects, and disclaims any modifications, add-on accessories or product alterations that are not designed, developed, tested, and approved by the original equipment manufacturer. Any product that is altered, modified, or changed in any manner not specifically authorized after original manufacture including the addition of "after-market" accessories or component parts not specifically approved for use by the original equipment manufacturer will result in the product warranty being voided.

Any and all liability for personal injury and/or property damage caused by any unauthorized modifications, add-on accessories, or products not approved by the original equipment manufacturer will be considered the responsibility of the individual(s) or company designing and/or making such changes. This manufacturer will vigorously pursue full indemnification and costs from any party responsible for such unauthorized post-manufacture modifications and/or accessories should personal injury and/or property damage result.

OPERATING SAFELY

Do not operate the machine without either the discharge chute or the grass catcher fully installed.

Stop the engine, disengage the PTO and wait until the blades quit rotating before removing the grass catcher.

Stop the engine, disengage the PTO, and disconnect the spark plug wires or remove the key when stopping operation to clear blockages, unclog, inspect the attachment, or do maintenance or repair.

If the machine begins to vibrate during operation. Read and understand all operation and safety precautions associated with operating your machine on slopes and in other hazardous conditions. Do not attempt to exceed abnormally or make abnormal sounds stop the engine, disengage the PTO, and disconnect the spark plug wires. Inspect the attachment and have necessary repairs preformed by a qualified technician.

Use extra care with grass catchers. These attachments can change the stability of the machine as well as dynamically altering the stability these recommendations with your grass collection system attached.

Only operate the catcher attachment with all guards and counter-balance weights fully installed.

Inspect grass catcher components regularly. If worn, damaged or deteriorated, they may expose moving parts or allow objects to be thrown.

Mow only in daylight.

Check operator presence interlock system and brake operation prior to each days use. Adjust or repair any problems before using.

Clear the area to be mowed of objects such as rocks, toys, wire, or other debris that may be picked up or thrown by the catcher.

Be sure the area is clear of pets and people, especially young children. Never assume they will remain where you last saw them. Stop the machine if any enter the area.

Evaluate the terrain to determine if the machine can safely perform the job. Remember that slopes and irregular terrain may cause tires to lose traction resulting in loss of control. Use extreme caution on wet grass, as this will increase the risk.

Note: When ordering parts, you must use the part number as shown for each part, not the index number. Always give the model number to your parts and/or service representative.

Frequently Ordered Parts

PART NUMBER	DESCRIPTION
--------------------	--------------------

4155015	36" DECK "V" BELT
4137080	42" DECK "V" BELT
4137076	48" DECK "V" BELT
4137076	52" DECK "V" BELT
4141806	2-BAG COMMERCIAL FABRIC CAP WITH "J" STRIP-PLAIN
4137072	COMMERCIAL CLOTH BAG WITH HANDLE (NO FRAME)
4137066	DISCHARGE HOSE

Note: When ordering parts, you must use the part number as shown for each part, not the index number. Always give the model and serial number to your parts and/or service representative.

Illustrations used were current at the time of printing, but subsequent production changes may cause your catcher to vary slightly in detail. Humboldt Specialty Manufacturing Company reserves the right to redesign and change the catcher as deemed necessary, without notification. If a change has been made to your catcher which is not reflected in this parts manual, see your dealer for current information and parts.

Torque Specifications

The following chart lists the standard torque values for the threaded fasteners found in this manual. Torque all cap screws, nuts and set screws to these values unless a different torque is shown in the Notes section next to the fastener

SIZE	FT-LBS	NM
1/4"	8.2	11.1
5/16"	17	23
3/8"	30	40
1/2"	73	99
1"	625	850

Section 2

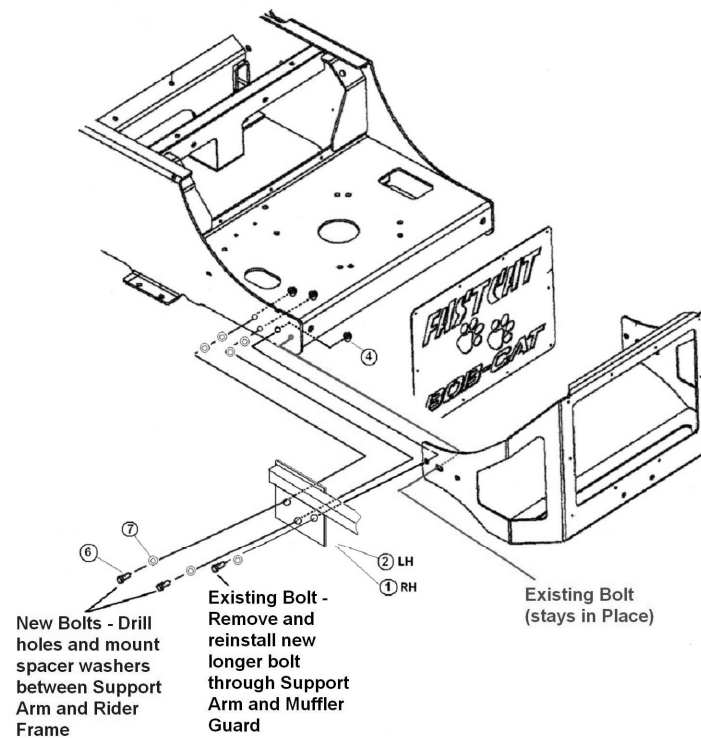
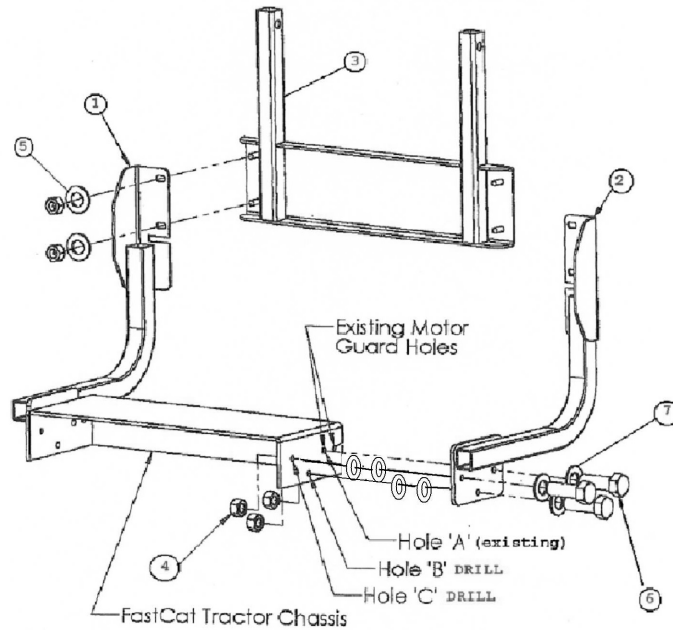
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2-Bag Catcher Mount Installation

FastCat 2-Bag Catcher Mount Installation



Catcher Mount Installation Parts List

Index	Part No.	Qty	Description
1	4155017	1	RIGHT SIDE SUPPORT
2	4155018	1	LEFT SIDE SUPPORT
3	4141834	1	2 BAG CATCHER SUPPORT MOUNTING PANEL
4	64229-03	6	HEX NUT, NYLON INSERT-3/8"-16
5	64163-87	4	FLAT WASHER-5/16"
6	64123-70	6	CAP SCREW-3/8"-16 X 1 1/2" LONG G5
7	64163-31	12	FLAT WASHER-3/8"

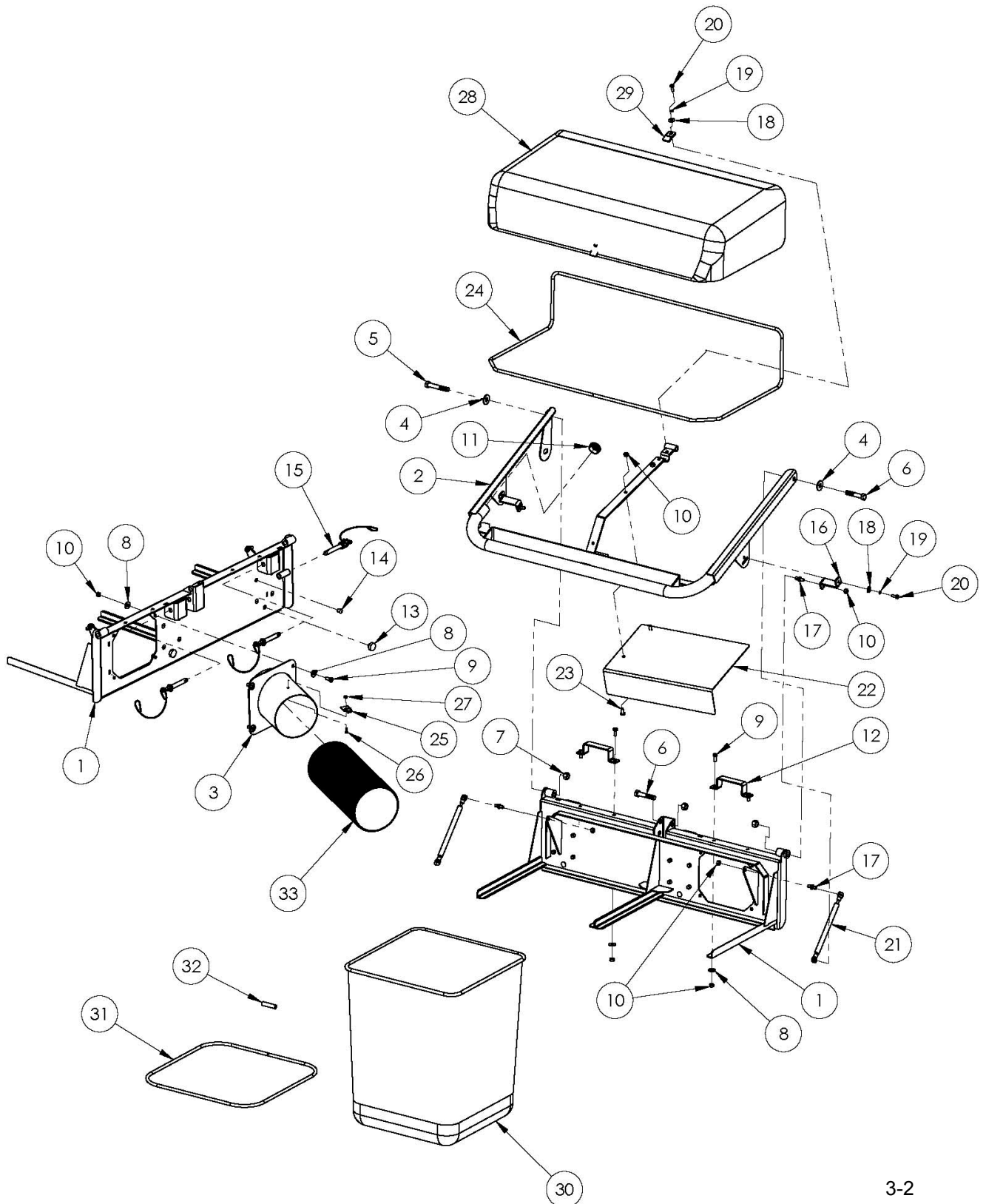
Installation Instructions:

1. Remove Engine Guard hardware on left side. Put washer on bolt (ref#6) and put through support arm (#2) and through existing Engine guard hole and lightly snug nut (#4) onto bolt to hold support arm in place. Drill out holes B&C with 3/8" drill. Install bolt & washer (ref# 6&7) through support arm, place 2 washers between support arm and rider frame (to compensate for thickness of existing engine guard) then install nut (#4). **LEAVE HARDWARE LOOSE AT THIS TIME.**
2. Repeat the same process on the right side. **Still DO NOT TIGHTEN THE MOUNTING HARDWARE.** (You'll need a little movement to install the catcher mount)
3. Install catcher mount (3) with 5/16" flat washers (5) and 3/8" nuts (4) supplied.
4. Tighten all installed hardware at this time.
5. On the main catcher assembly, remove two 1/2" diameter detent pins in the center ribs.
6. Lift catcher assembly onto the catcher mount and re-install detent pins.
7. Remove the detent pin in the travel lock to release the catcher cover assembly.
8. Lift catcher cover assembly to install bags.
9. Install bags with the solid panel towards the mower.

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2-Bag Catcher Assembly Illustration



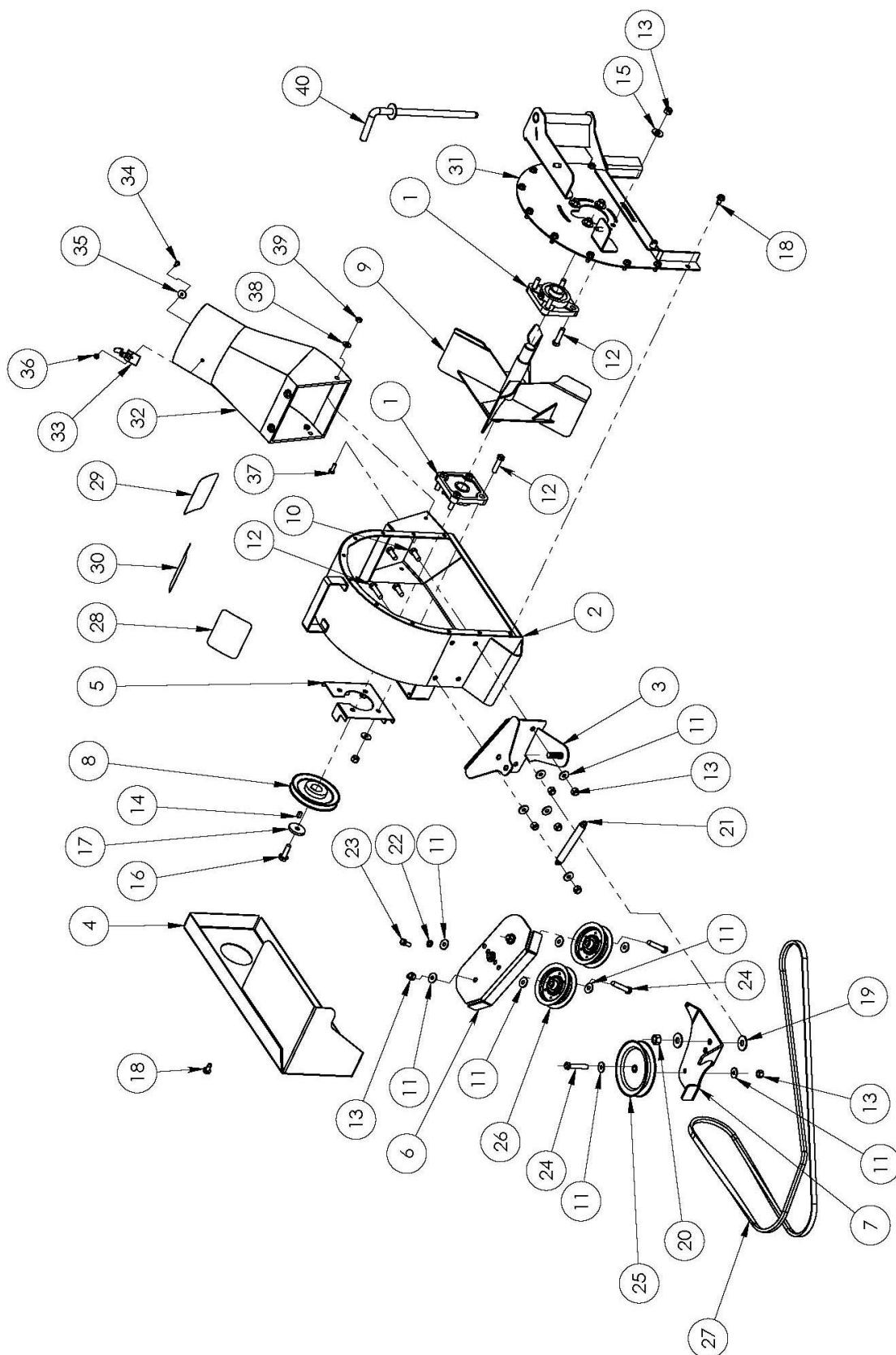
2-Bag Catcher Assembly Parts List

Index	Part No.	Qty	Description
1	4141831	1	2 BAG CATCHER BAG SUPPORT MOUNT
2	4141833	1	2 BAG CAP SUPPORT
3	4147578	1	INLET TUBE ASSEMBLY
4	64163-79	2	FLAT WASHER-1/2"
5	64126-31	1	CAP SCREW, 1/2 - 13 X 3" LONG
6	64123-72	3	CAP SCREW-1/2"-13 X 2 1/2"
7	64229-05	3	HEX NUT, NYLON INSERT-1/2"-13
8	64163-87	10	FLAT WASHER-5/16" LONG
9	64123-54	12	CAP SCREW-5/16"-18 X 3/4" LONG
10	64229-02	18	HEX NUT, NYLON INSERT-5/16-18
11	4139389	2	PLASTIC PLUG, 1 1/2" ROUND
12	4137074	4	BAG HANDLE
13	4137073	2	RUBBER BUMPER
14	4139390	8	PLASTIC PLUG, 7/16" ROUND
15	4137069	3	DETENT PIN W/ LANYARD-1/2" X 2 1/2" LONG
16	4137060	2	BRACKET-GAS CYLINDER MOUNT
17	4137063	4	BALL JOINT
18	64163-55	3	FLAT WASHER, 1/4"
19	64006-01	4	LOCK WASHER-1/4"
20	64123-06	4	CAP SCREW-1/4-20 X3/4" LONG
21	4137070	2	GAS CYLINDER
22	4141830	1	2 BAG DEFLECTOR
23	4137065	2	PAN HEAD SCREW-5/16"-18 X 3/4" LONG
24	4141832	1	AIR DOME FRAME, 2 BAG-3/8" ROD-ONE PIECE
25	4137093	1	SPRING CLIP
26	64152-06	1	MACHINE SCREW-#10-24 X 1/2" LONG
27	64229-10	1	HEX NUT, NYLON INSERT-#10-24
28	4141806	1	2-BAG FABRIC CAP WITH "J" STRIP-PLAIN
29	4139391	2	BRACKET-SINGLE HOLE MOUNT
30	4137072	2	CLOTH BAG
31	4137071	2	GRASS BAG FRAME
32	4137461	2	TUBE CONNECTOR
33	4137066	1	2 BAG HOSE

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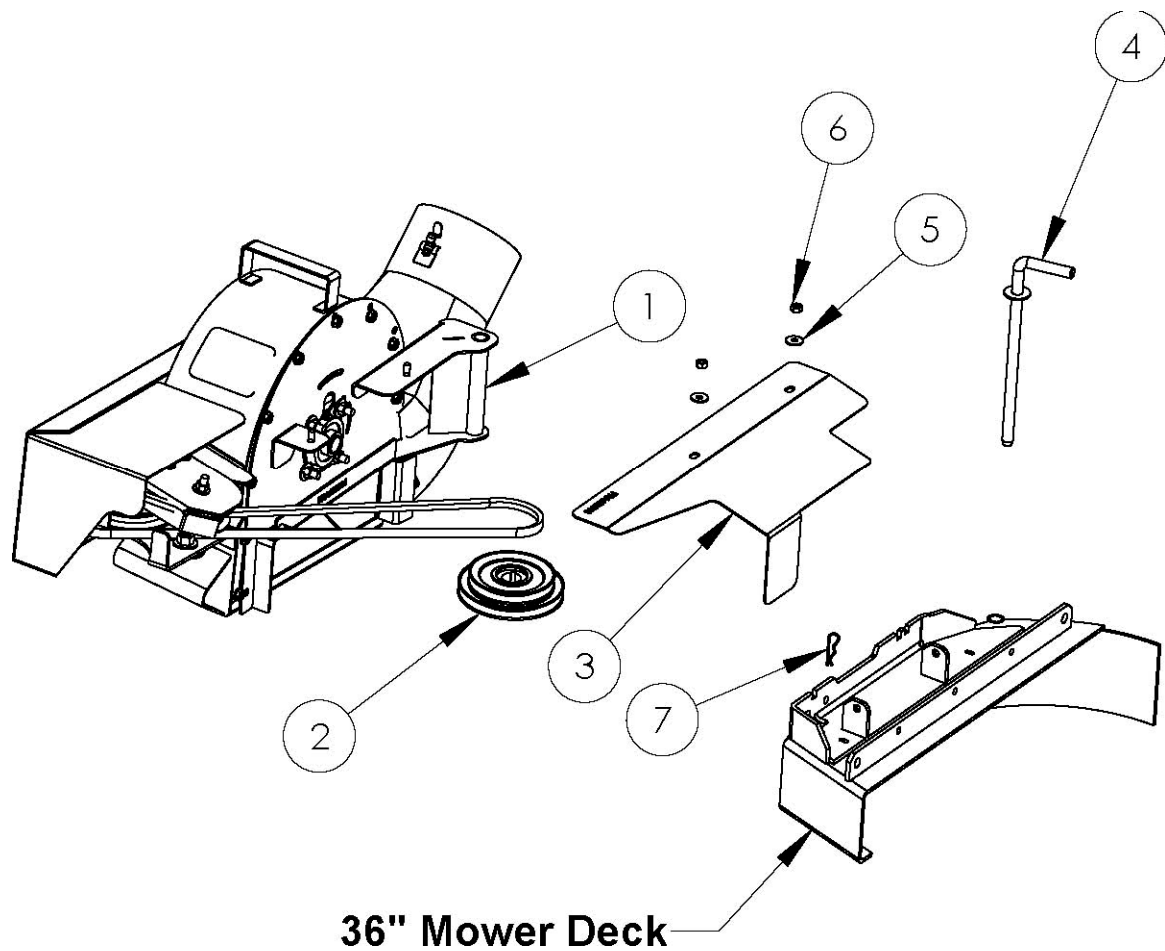
36" Deck-Blower Assembly Illustration



36" Deck-Blower Assembly Parts List

Index	Part No.	Qty	Description
1	4137092	2	BEARING, 4 BOLT FLANGE
2	4155004	1	15" BLOWER HOUSING
3	4155010	1	IDLER MOUNT
4	4155013	1	BLOWER BELT COVER
5	4155006	1	BLOWER BELT GUIDE
6	4155008	1	IDLER MOUNTING PLATE
7	4155009	1	BELT TENSION PLATE
8	4137090	1	5" DRIVE PULLEY
9	4155005	1	IMPELLER ASSEMBLY, VERTICAL 15"
10	64123-50	3	CAP SCREW, 3/8"-16 X 1" LONG
11	64163-87	17	FLAT WASHER-5/16"
12	64123-70	9	CAP SCREW, 3/8"-16 X 1 1/2" LONG
13	64229-03	16	HEX NUT, NYLON INSERT-3/8"-16
14	4155007	1	KEY
15	64163-31		FLAT WASHER, 3/8" SAE
16	4155012	1	BOLT, SERRATED PFLANGE 3/8" X 16 X 1 1/4" LONG
17	4155011	1	FLAT WASHER-THICK
18	64197-001	15	SCREW, THREAD CUTTING
19	64163-79	2	FLAT WASHER-1/2"
20	64229-05	1	HEX NUT, NYLON INSERT-1/2"-13
21	4137089	1	IDLER SPRING
22	4155014	1	LOCK WASHER, 5/16"
23	64123-54	2	CAP SCREW, 5/16"-18 X 3/4" LONG
24	64123-67	2	CAP SCREW, 3/8"-16 X 2" LONG
25	4137445	1	IDLER PULLEY, 5"
26	4137087	2	IDLER PULLEY
27	4155015	1	BELT-36" DECK
28	4137398	1	LABEL, WARNING, THROWN OBJECTS
29	4137400	1	LABEL, WARNING, TURN OFF MOWER
30	4137399	1	LABEL, DANGER, ROTATING BLADES
31	4155002	1	BLOWER COVER/MOUNT
32	4137086	1	TRANSITION CHUTE
33	4137093	1	SPRING CLIP
34	64152-06	1	MACHINE SCREW-#10-24 X 1/2" LONG
35	4139403	1	FENDER WASHER-#10
36	64229-10	1	HEX NUT, NYLON INSERT-#10-24
37	64123-06	1	CAP SCREW, 1/4"-20 X 3/4" LONG
38	64163-55	4	FLAT WASHER-1/4" USS
39	64229-01	4	HEX NUT, NYLON INSERT-1/4"-20
40	4137085	1	MOUNTING PIN

36" Deck Blower Mount Illustration



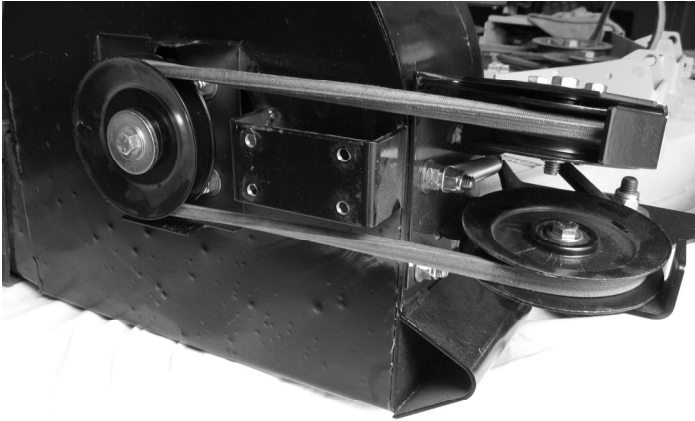
36" Deck Blower Mount Parts List

Index	Part No.	Qty	Description
1	4155002	1	36" DECK-BLOWER MOUNT
2	4155003	1	36" DECK-DOUBLE PULLEY
3	4155026	1	36" DECK BELT/PULLEY COVER
4	4157085	1	PIN-BLOWER MOUNTING
5	64163-79	2	5/16 FLAT WASHER
6	64229-02	2	5/16-18 NUT-NYLON INSERT
7	4139402	1	PIN-HAIR

36" DECK-BLOWER INSTALLATION INSTRUCTIONS

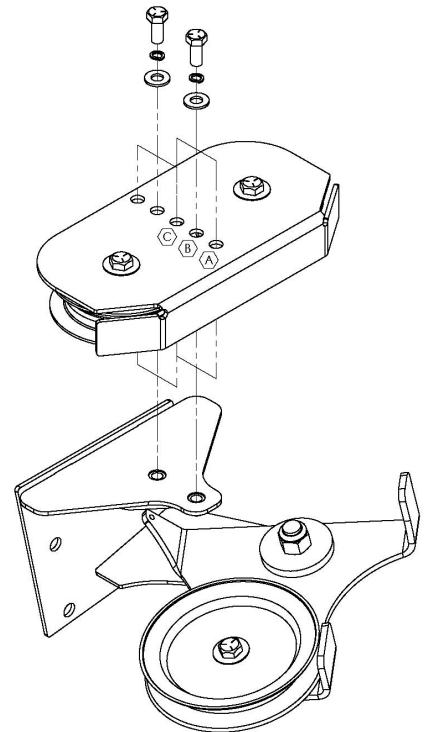
1. Remove factory discharge chute and save hardware.
2. Remove factory belt guard and retain attaching hardware.
3. Loosen deck drive belt. Remove factory spindle pulley and retain hardware.
4. Install Double Pulley **(2)** using retained hardware.
5. Place rear of blower mount **(1)** over tube on the rear of the deck.
6. Insert 'L' Pin **(4)** into tube on blower mount and thru hole on rear side of deck.
7. Swing blower into place. Note: Small pin should pass thru slot on rib.
8. Secure blower with hairpin **(7)**.
9. Install belt onto the double pulley on the deck. Note: Belt should form an 'X' pattern
10. Install pulley cover **(3)** and tighten hardware

BLOWER BELT ROUTING



36" Deck-BLOWER IDLER POSITION

36" Deck Position A



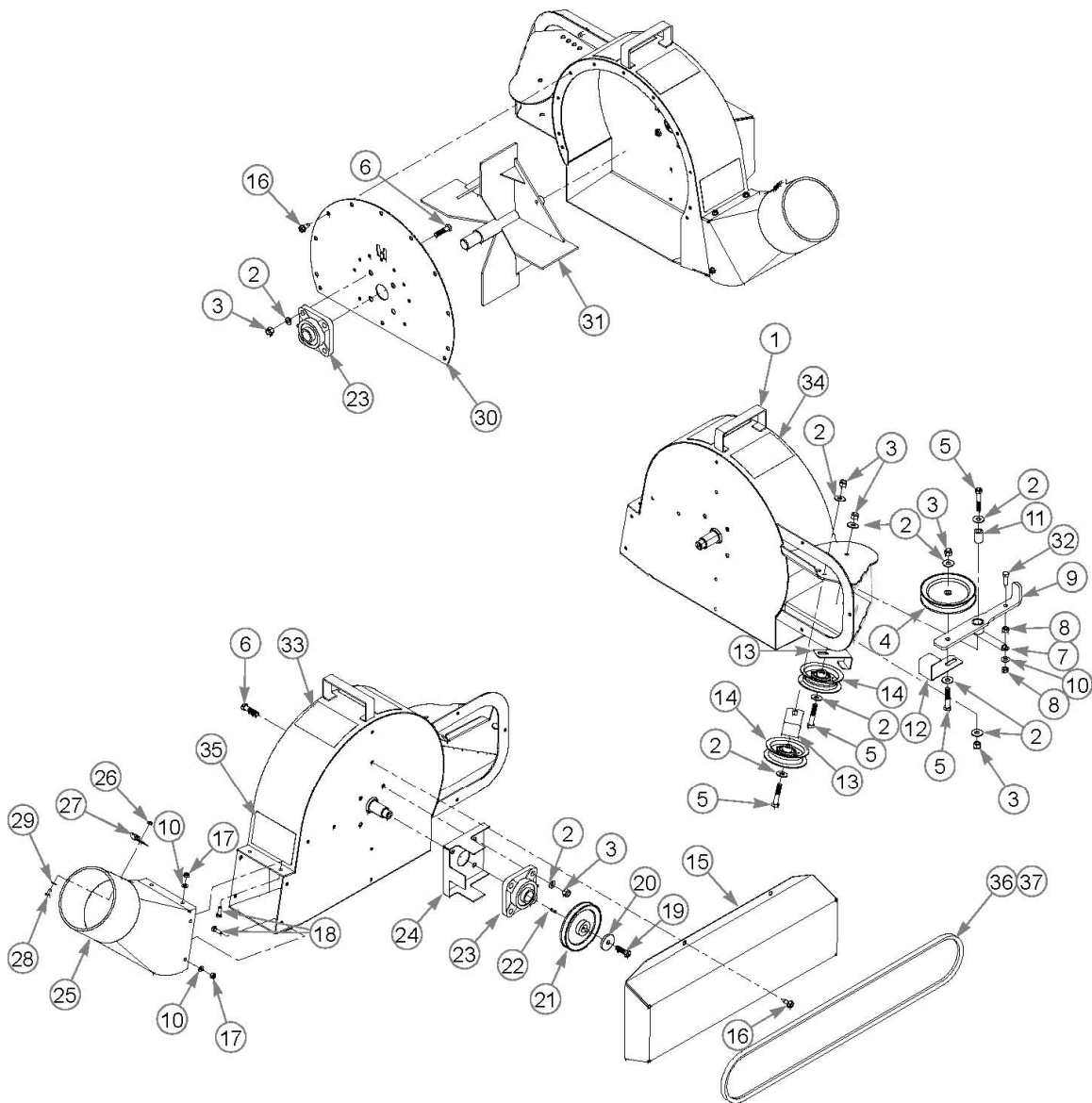
BLOWER MAINTENANCE INSTRUCTIONS

Grease bearings every eighty (80) hours of operation.

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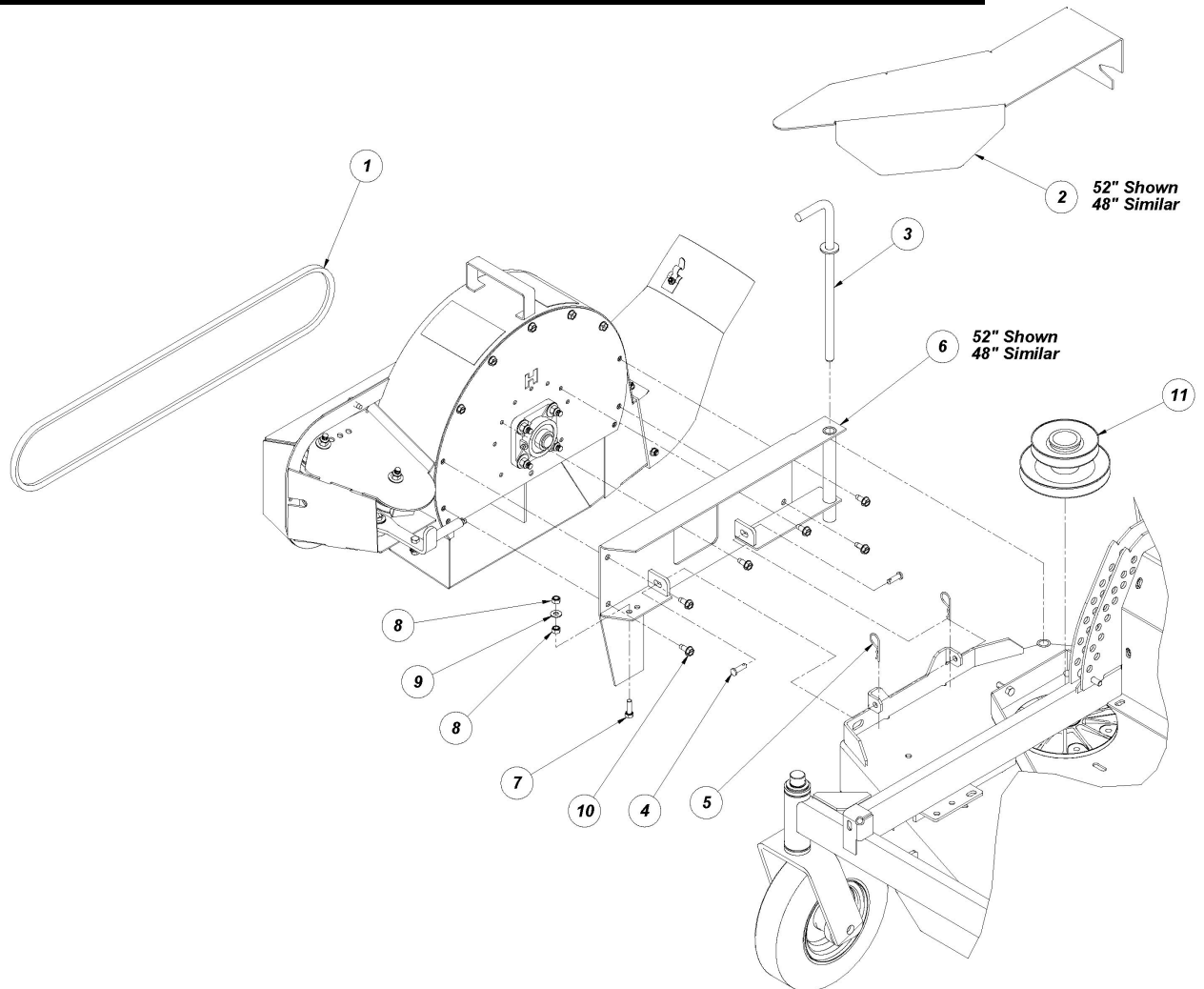
42", 48" & 52" Decks-Blower Assembly Illustration



42", 48" & 52" Decks-Blower Assembly Parts List

Index	Part No.	Qty	Description
1	4137081	1	BLOWER HOUSING
2	64163-87	16	FLAT WASHER-5/16"
3	64229-03	12	HEX NUT, NYLON INSERT-3/8"-16
4	4137445	1	IDLER PULLEY
5	64123-67	4	CAP SCREW-3/8"-16 X 2" LONG
6	64123-70	8	CAP SCREW-3/8"-16 X 1 1/2" LONG G5
7	4137089	1	SPRING
8	64229-02	2	HEX NUT, NYLON INSERT-5/16"-18
9	4137088	1	BELT TENSIONING ASSEMBLY
10	64163-55	5	FLAT WASHER 1/4" USS
11	4137446	1	BELT TENSIONING BUSHING
12	4137447	1	BELT GUIDE, LARGE PULLEY
13	4137087	2	BACK SIDE BELT IDLER PULLEY
14	4139395	2	BELT GUIDE SMALL PULLEY
15	4137075	1	BELT COVER
16	64197-001	9	SELF THREADING SCREW UNSLOTTED-5/16"-18 X 5/8" LONG
17	64229-01	4	HEX NUT, NYLON INSERT-1/4"-20
18	64123-06	4	CAP SCREW-1/4"-20 X 3/4" LONG
19	4155012	1	BOLT, SERRATED PFLANGE 3/8" X 16 X 1 1/4" LONG
20	4155011	1	FLAT WASHER-THICK
21	4137090	1	DRIVE PULLEY
22	4137091	1	KEY
23	4137092	2	BEARING
24	4137448	1	BELT GUIDE
25	4137086	1	TRANSITION CHUTE
26	64229-10	1	HEX NUT, NYLON INSERT, #10-24
27	4137093	1	SPRING CLIP
28	64152-06	1	MACHINE SCREW-#10-24X 1/2" LONG
29	4139403	1	FLAT WASHER-#10 FENDER
30	4137083	1	BLOWER COVER
31	4137082	1	IMPELLER
32	64123-68	1	CAP SCREW-5/16"-18 X 1" LONG
33	4139400	1	LABEL, DANGER-TURN OFF MOWER
34	4137399	1	LABEL, DANGER-ROTATING BLADES
35	4137398	1	LABEL, DANGER-THROWN OBJECT
36	4137076	1	BELT-48 " & 52" Decks
37	4137080	1	BELT 42" DECKS

42", 48" & 52" Decks-Blower Mount Illustration



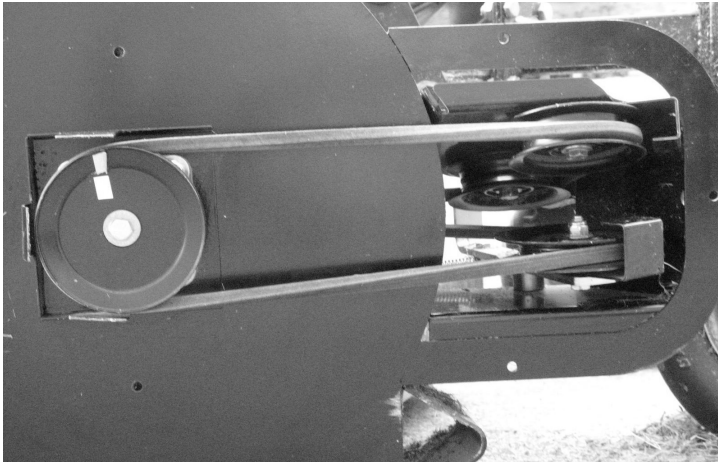
42", 48" & 52" Decks-Blower Mount Parts List

Index	Part No.	Qty	Description
1	4137080	1	BELT, 42" DECK
	4137076	1	BELT, 48" 52" DECK
2	4141826	1	BELT COVER, 42" DECK
	4141825	1	BELT COVER, 48" DECK
	4141824	1	BELT COVER, 52" DECK
3	4137085	1	PIN- MOUNTING
4	4139405	2	PIN- CLEVIS
5	4139402	2	PIN- HAIR
6	4137084	1	MOUNT-BLOWER 42" DECK
	4141837	1	MOUNT-BLOWER 48" DECK
	4137036	1	MOUNT-BLOWER 52" DECK
7	64123-68	1	BOLT-5/16 X 1
8	64229-02	2	LOCKNUT-5/26-18
9	64163-55	1	WASHER .328 X .75 X 14GA
10	64197-02	6	SCREW-1/4-20 X 3/4
11	4155027	1	PULLEY-DRIVE 42 DECK
	4137077	1	PULLEY-DRIVE 48 & 52 DECKS

42", 48" & 52" Deck-Blower Installation Instructions

1. Remove discharge side pulley cover. Save hardware.
2. Release tension on deck drive belt.
3. Remove spindle pulley from discharge side of mower. Save hardware.
4. Install supplied double pulley **(11)** with saved hardware.
5. Re-tension the deck drive belt.
6. Install plastic transition chute on blower using supplied bolts, washers and nuts.
Note: Install with the nut and washers to the outside of the chute.
7. Install the blower onto the mower using the two clevis pins **(4)** with hair pins **(5)**.
8. Install the "L" pin **(3)** into the tube on the rear of the mount **(6)** thru the tube on the mower deck.
9. Install the blower drive belt by pulling on the idler support and slipping the blower belt over the top pulley of the newly installed double pulley. The belt should "cross" between the double pulley and the blower when properly installed.
10. Install pulley cover **(2)** and secure with saved hardware.

BLOWER BELT ROUTING



BLOWER MAINTENANCE INSTRUCTIONS

Grease bearings every eighty (80) hours of operation.

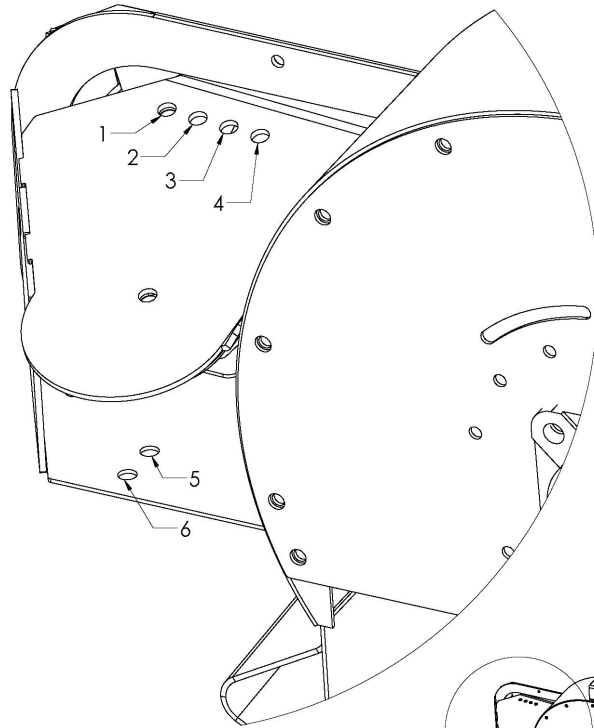
42", 48" & 52" Decks-BLOWER IDLER POSITION

TOP IDLER INSTALLATION POSITION

42" Deck **Position 3**

48" Deck **Position 2**

52" Deck **Position 3**

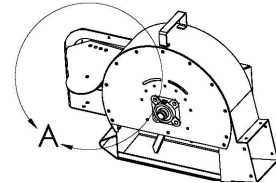


BOTTOM IDLER INSTALLATION POSITION

42" Deck **Position 5**

48" Deck **Position 6**

52" Deck **Position 6**



Section 6

Weight Installation for 36" & 42" Decks.....6-2

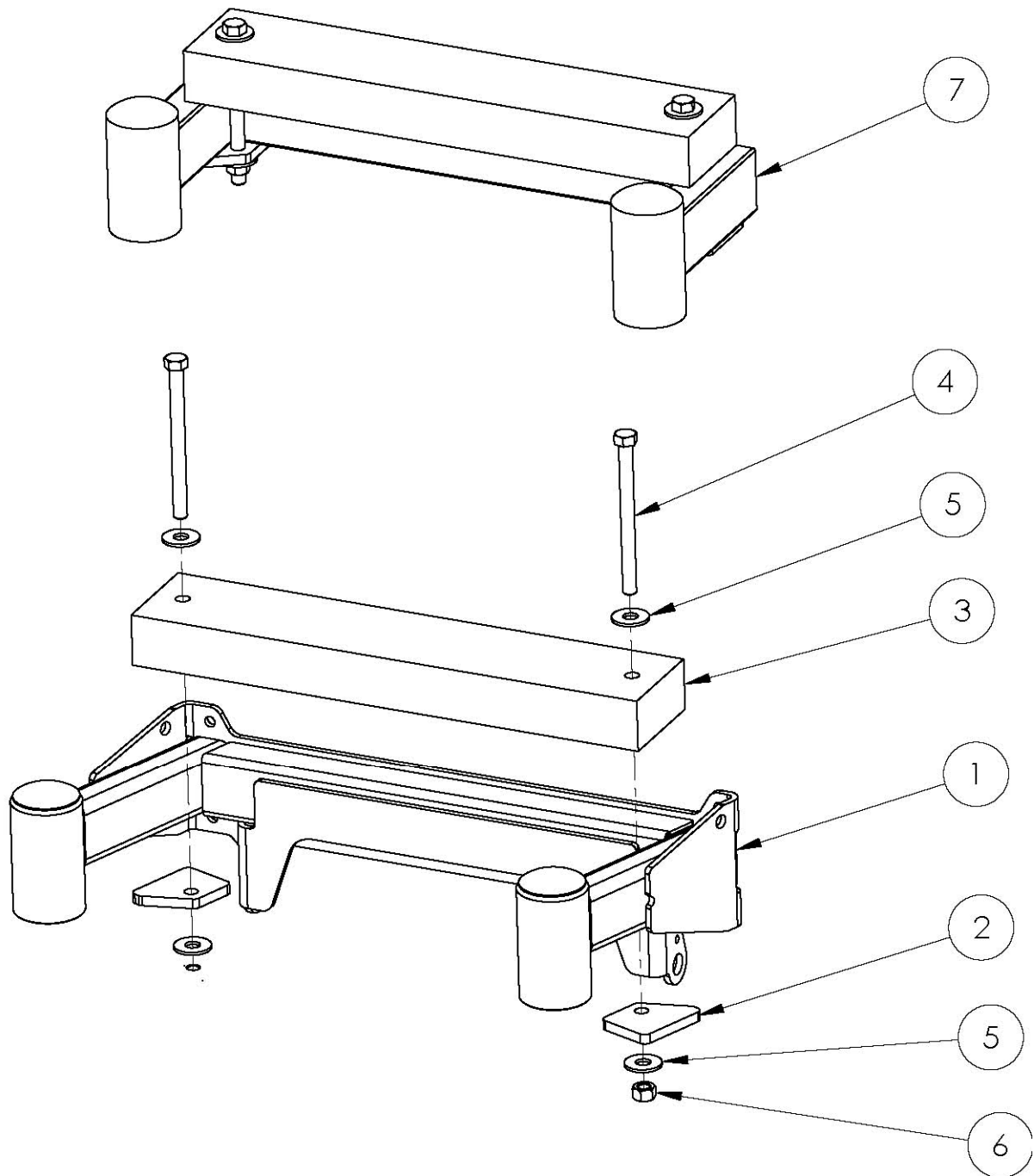
Weight Installation for 36" & 42" Decks Parts List6-3

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Weight Installation for 48" & 52" Decks Parts List.....6-5

36" & 42" Decks-Weight Installation Parts List

Illustrations show both Straight and Skewed Tractor Front Spindle Assembly.



36" & 42" Decks-Weight Installation Parts List

Illustrations show both Straight and Skewed Tractor Front Spindle Assembly. The Weight Installation is the same whether your tractor has the Straight Style Tractor Front Spindle Assembly (7) or the Skewed Style Tractor Front Spindle Assembly (1).

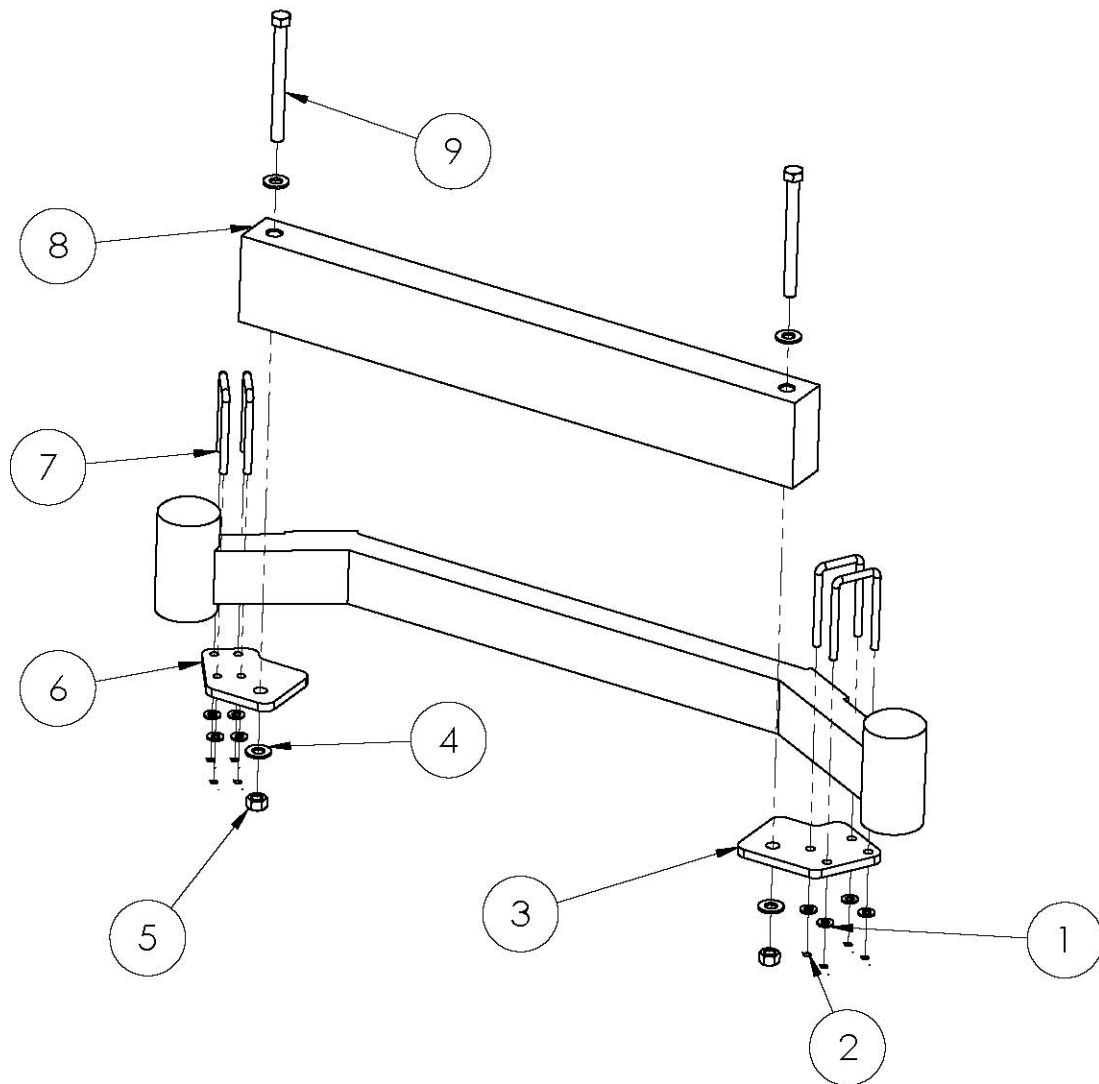
Index

No.	Part No.	Qty	Description
1	YOUR TRACTOR-(SEE ABOVE COMMENT)	1	SKEWED STYLE TRACTOR FRONT SPINDLE ASSEMBLY
2	4159340	2	CLAMP BLOCK
3	4156660	1	45.5 # COUNTER WEIGHT
4	4147576	2	CAP SCREW, YZ, 1/2"-13 X 5 1/2" LONG
5	64163-79	4	FLAT WASHER, YZ, 1/2"
6	64229-05	8	HEX NUT, NYLON INSERT, YZ, 1/2"-13
7	YOUR TRACTOR-(SEE ABOVE COMMENT)	1	STRAIGHT STYLE TRACTOR FRONT SPINDLE ASSEMBLY

36" & 42" Decks-Weight Installation Instructions For Either Straight or Skewed Style Tractor Front Spindle Assembly

1. Identify 45.5 # weight **(3)** and Clamp Block **(2)**.
2. Identify 1/2"-13 x 5.5" long Bolts **(4)**, 1/2" Flat Washers **(5)** and 1/2" Nylon Insert Nuts **(6)**.
3. Place weight onto front tubes of tractor front spindle assembly.
4. Slide weight towards the rear as far a possible.
5. Insert 1/2-13 x 5.5" long Bolt **(4)** through 1/2" Flat Washer **(5)** and into hole of weight.
6. Repeat for remaining hole in weight.
7. Place Clamp Block **(2)** onto 1/2'-13 x 5.5" long Bolt **(4)** as shown.
8. Install 1/2" Flat Washers **(5)** and 1/2" Nylon Insert Nuts **(6)**.
9. Orient Clamp Blocks **(2)** as shown. (Part # should be on bottom)
10. Tighten all hardware securely.

48" and 52" Decks-Weight Installation



48" & 52" Decks-Weight Installation Parts List

Index

No.	Part No.	Qty	Description
1	64163-87	8	5/16 FLAT WASHER, YZ
2	64229-02	8	HEX NUT, NYLON INSERT, YZ, 5/16-18
3	4155021	1	LEFT WEIGHT MOUNT PLATE
4	64163-79	16	FLAT WASHER, YZ, 1/2"
5	64229-05	8	HEX NUT, NYLON INSERT, YZ, 1/2"-13
6	4155020	1	RIGHT WEIGHT MOUNT PLATE
7	4155022	4	U-BOLT, 5/16-18 x 3 1/2"
8	4146980	4	BAR, WEIGHT, 60lbs
9	4147576	2	CAP SCREW, YZ, 1/2"-13 X 5 1/2" LONG

48" & 52" Decks-Weight Installation Instructions

1. Identify Left Weight Mount Plate **(3)** and Right Weight Mount Plate **(6)**.
2. Install two U-Bolts over left caster spindle bar.
3. Install Left Weight Mount Plate **(3)** onto U-Bolts **(7)** with 5/16 Flat Washer **(1)** and 5/16-18 Hex Nut **(5)**
4. Secure U-Bolts loosely, to be adjusted and tightened later.
5. Install two U-Bolts **(7)** over right caster spindle bar.
6. Install Right Weight Mount Plate **(6)** onto U-Bolts **(7)** with 5/16 Flat Washer **(1)** and 5/16-18 Hex Nut **(5)**
7. Secure U-Bolts **(7)** loosely, to be adjusted and tightened later.
8. Place Bar Weight **(8)** onto Left Weight Mount Plate **(3)** and Right Weight Mount Plate **(6)**.
9. Insert Cap Screw **(9)** thru 1/2" Flat Washer **(4)**, into Bar Weight **(8)** and thru hole in Weight Mount Plates (3) and (6) each side.
10. Secure with 1/2" Flat Washer **(4)** and 1/2-13 Hex Nut **(5)**
11. Adjust Right and Left Weight Mount Plates **(3)** and **(6)** and Bar Weight **(8)** to parallel and centered.
12. Tighten all hardware at this time.

