



Sweepway®

Bin Unloading Power Sweep

Owner's Installation & Operation Manual For 8" & 10" Systems

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<u>DATE</u>	<u>REVISION</u>	<u>PAGE</u>
08/30/2023	– Updated warranty	4
	Updated two-motor bottom drive installation instructions	32
	Updated statement on sweeping bins made by other manufacturers	38
	Added sump drive chain lubrication & tightening instructions	39
	Added heading to flinger attachment drawings	47
	Added part numbers for center sump drawings & parts lists	64-67
	Added drawing & parts list for heavy duty 10" center sump	68-69
	Updated Contact Information page & added QR code for warranty registration	88
10/26/2022	– Added 8" & 10" description to manual name	1
	Added incline powerhead dimensions drawing	10
	Updated drawing showing clutch lock assy.	20
	Minor editing of powerhead installation instructions.	29-33
	Updated drawings showing sump opener connectors	36 & 79
	Added horizontal powerhead part numbers	45
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	Updated drawing & parts list for bin collar	63
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	Updated part number for 3/4" long key for 10" Sweepway top gearbox.....	73
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Introduction

INTRODUCTION

Congratulations on your purchase of the Sweepway unload system. Your Sukup Sweepway is designed, built and tested to ensure highest quality and maximum life.

Read and study operator's manual carefully to learn how to safely install and operate your machine. Failure to do so could cause personal injury or equipment damage.

For your convenience, fill in the following information:

Sweepway: 8" _____ 10" _____ Bin Diameter: _____

NOTE: References to 8" or 10" Sweepway refer to diameter of unload tube, not to diameter of sweep auger.

With Horizontal Unload: _____

With Vertical Unload: 16' _____ 20' _____

2-Motor Drive (2-Motor Bottom _____ Top Drive _____)

With 25° Incline: 8" to 10" _____ With 20° Incline: 10" to 12" _____

Date of Purchase: _____

DISCLAIMER: Bin sweeps will vary in performance based on grain condition and condition of bin floor. Any capacities provided by Sukup Manufacturing Co. are based on dry, clean corn and ideal conditions. It may take two passes over a given area to remove grain, with a layer of grain remaining on floor afterward.

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GRAIN HANDLING & MATERIAL HANDLING LIMITED WARRANTY

SUKUP MANUFACTURING CO. (Sukup) warrants to original retail purchaser that within time limits set forth, new equipment shall be free from defects in material and workmanship. A part will not be considered defective if it substantially fulfills performance specifications, including, but not limited to, parts with cosmetic (appearance) issues that will not affect life of product. Should any part prove defective within warranty period, part will be replaced or repaired without charge F.O.B. Sukup Manufacturing Co., Sheffield, Iowa USA or Distribution Centers - Arcola, Illinois; Aurora, Nebraska; Cameron, Missouri; Defiance, Ohio; Jonesboro, Arkansas; Watertown, South Dakota. To claim warranty, a copy of original invoice is required.

THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND OF ANY OTHER TYPE, WHETHER EXPRESS OR IMPLIED. Sukup neither assumes nor authorizes anyone to assume for it any other obligation or liability in connection with said part, and will not be liable for incidental or consequential damages. THE REMEDIES STATED HEREIN SHALL BE THE EXCLUSIVE REMEDIES AVAILABLE UNDER THIS LIMITED WARRANTY.

Sukup reserves the right to change specifications, add improvements or discontinue manufacture of any of its equipment without notice or obligation to purchasers of its equipment. This warranty gives you specific legal rights. You may also have other rights which vary according to state or province.

WARRANTY EXCLUSIONS - Labor, transportation, or any cost related to a service call is not provided by Sukup. This Limited Warranty does not apply to damage resulting from misuse, neglect, normal wear, accident or improper installation or maintenance. ITEMS NOT MANUFACTURED BY SUKUP (e.g. tires, belts, motors) ARE COVERED UNDER WARRANTIES OF THEIR RESPECTIVE MANUFACTURERS AND ARE EXCLUDED FROM COVERAGE UNDER THE SUKUP WARRANTY. Since the stirring down augers are so critical to the successful operation of the stirring machine, Sukup Manufacturing Co. will not warranty any machines unless they are equipped with Sukup down augers. SUKUP MANUFACTURING CO. MAKES NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO DOWN AUGERS LONGER THAN 20', INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Upon taking delivery of product, purchaser (dealer and/or end user) assumes responsibility for proper storage of all materials. Proper storage includes dry, temperature and humidity-controlled facilities, which eliminate the potential of moisture, including condensation, from causing white rust and/or corrosion of any sort. Warranty does not extend to defects, damage or cosmetic (appearance) issues caused by improper storage, handling or erection.

BASIC WARRANTY - All Sukup manufactured products are warranted for one year from date of purchase. Part(s) must be returned to Sukup within 30 days in event of failure.

EXTENDED STIRRING MACHINE WARRANTY - Sukup warrants stirring machines for two years from date of purchase.

EXTENDED STIRRING AUGER WARRANTY - Sukup warrants stirring down augers for two years from date of purchase. Must return top 18" of down auger to obtain credit.

EXTENDED FAN WARRANTY - Sukup warrants fans for two years from date of purchase.

EXTENDED HEATER CIRCUIT BOARD WARRANTY - Sukup warrants heater circuit boards for three years from date of purchase. Rebuilt circuit boards are warranted for one year from date of purchase.

EXTENDED MATERIAL HANDLING WARRANTY - Sukup warrants Material Handling equipment, excluding structural support systems, for two years from date of purchase.

REPLACEMENT PARTS WARRANTY PERIOD - Sukup warrants replacement parts (e.g. belts, sensors, rotating contacts, gearmotors, switches) purchased from Sukup for one (1) full drying season following purchase.

ELECTRIC MOTOR WARRANTY - Manufacturers of electric motors warranty them for at least 1 year from installation date or 2 years from motor manufacture date. Process for repairing or replacing motor depends on motor manufacturer and horsepower. Contact motor manufacturer for terms. If motor warranty is refused, use the following procedure: Have motor repair shop fill out the warranty report form as if they were providing warranty service. State on report reason for refusal. Send report, motor nameplate, and proof of purchase date (invoice from Sukup and invoice for your customer) to Sukup. Sukup will attempt to obtain warranty from motor manufacturer. Any credit obtained will be passed on. Warranty may also be obtained by returning motor to Sukup Manufacturing Co. or Distribution Center with prior authorization. **NOTE:** Sukup will not be responsible for unauthorized motor replacement or repair. Labor for removal of motor not included.

WARRANTY CERTIFICATION - Warranty must be registered within one month of product shipment from Sukup facility or customer pickup from the facility to certify warranty coverage. See QR code on back page of product manual for details.

UNAPPROVED PARTS OR MODIFICATION - All obligations of Sukup under this warranty are terminated if equipment is modified or altered in any way not approved by Sukup or if parts that do not conform to specifications of original parts are used.

07/13/23

Safety



Read manual before installing or using product. Failure to follow instructions and safety precautions in manual can result in death or serious injury. Keep manual in a safe location for future reference.



On safety decals, this symbol and the

signal words Danger, Warning, Caution and Notice draw your attention to important instructions regarding safety.



RED - **DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



ORANGE - **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



YELLOW - **CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.



BLUE - **NOTICE** alerts you to practices unrelated to personal injury, such as messages related to property damage.

IMPORTANT: To prevent serious injury or death to you or your family, it is essential that safety decals are clearly visible, in good condition, and applied to the appropriate equipment.

FOLLOW MANUAL & SAFETY DECAL MESSAGES

Carefully read this manual and all safety decals on your equipment.

Safety decals must be kept in good condition. Replace missing or damaged safety decals by contacting Sukup Manufacturing Co. via mail at PO Box 677, Sheffield, Iowa USA, 50475; by phone at 641-892-4222; or by e-mail at info@sukup.com.



It is the responsibility of the owner/operator to know what specific requirements, precautions, and work hazards exist. It is also the responsibility of the owner/operator to inform anyone operating or working in the area of this equipment of hazards and safety precautions that need to be taken to avoid personal injury or death. Always keep children away from bins and vehicles with flowing grain.

Make no unauthorized modifications to machine. Modifications may endanger function and/or safety of unit. Keep unit in good working condition. Keep shields in place. Replace worn or missing shields free of charge by contacting Sukup Manufacturing Co.

GRAIN BIN SAFETY

Owners/operators are responsible for developing site-specific confined space entry procedures. OSHA's confined space entry procedures (29CFR 1910.146) can be found at www.osha.gov.

If you must enter bin for repair or maintenance:

- Use a safety harness, safety line and respirator
- Station another person outside of bin
- Avoid the center of the bin
- Wear appropriate personal protective equipment
- Keep clear of all augers and moving parts



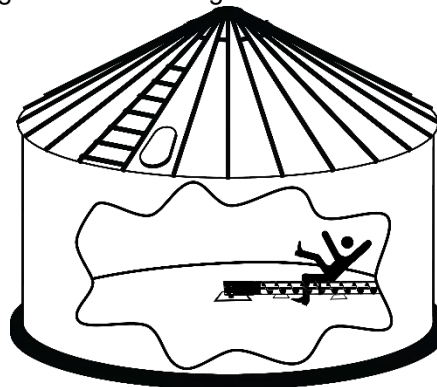
DANGER: Never enter bin unless all power is locked out and another person is present.



Rotating augers can kill or dismember!

NEVER enter bin when augers are running!

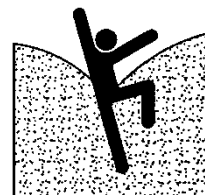
When bin is nearly empty, sweep auger will travel at an increasingly fast speed. Keep away from sweep and sump augers to avoid entanglement.



Failure to follow precautions above will result in death or serious injury.



DANGER: Flowing grain may trap and suffocate. If you enter a bin of flowing grain you can be completely submerged in grain in about 8 seconds.



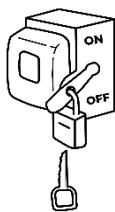
Failure to heed this warning will result in death or serious injury.

Safety

To avoid electric shock or electrocution, all equipment must be properly wired and grounded according to electrical codes. Have unit wired by qualified electrician.



Have an electrician install a main power disconnect switch capable of being locked only in OFF position. Mark disconnect clearly as to equipment it operates. Always lock out main power disconnect switch whenever equipment is not in use.



WARNING: When servicing equipment, never enter bin unless all power is locked out and another person is present. Always LOCK OUT all power and always check with voltage meter before servicing.



Failure to do so could result in death or serious injury.

Owners/operators are responsible for developing site-specific Lockout/Tagout procedures based on equipment at their work site. See OSHA's typical minimal lockout procedures (29CFR 1910.147 App A) at www.osha.gov.



WARNING: KEEP CLEAR OF ALL MOVING PARTS.

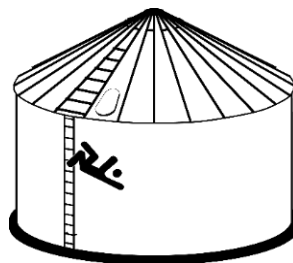
Keep people (ESPECIALLY YOUTH) away from equipment, particularly during operation.

Keep away from all moving parts. Keep all shields in place. **SHUT OFF AND LOCK OUT** all power before servicing.

Failure to follow precautions above could result in death or serious injury.



WARNING: Metal is slippery when wet. To avoid falls, never carry items if climbing on bin. Maintain secure hand and foothold if climbing on bin. Failure to do so could result in death or serious injury.



CAUTION: Metal edges are sharp. To avoid injury, wear protective clothing and handle equipment and parts with care.

Failure to do so may result in minor or moderate injury.

PERSONAL PROTECTIVE EQUIPMENT



Owners/Operators are responsible for developing site-specific personal protective equipment standards. OSHA's personal protective equipment standards (29CFR 1910.132) can be found at www.osha.gov.

EMERGENCIES – KNOW WHAT TO DO

Have emergency numbers and written directions to work site readily available in case of emergency. An area for emergency phone numbers to be recorded is provided below and at end of this manual.

Ambulance • Fire • Police: 9-1-1

Bin rescue team: _____

Emergency medical squad: _____

Address of work site: _____

Directions to work site: _____

Safety Decals for Sweepway

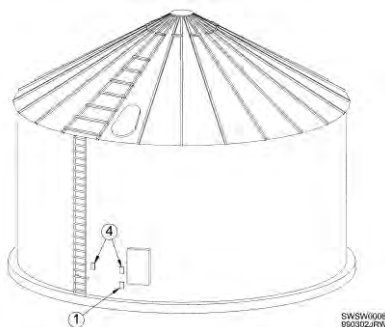
Safety decals should be mounted on your equipment as shown in this safety section. Yearly and prior to equipment use, check that all decals and shields are in place and legible.

To order a replacement decal or shield at no charge, contact your dealer or Sukup Manufacturing Co., Box 677, Sheffield, IA USA 50475. If replacement is necessary, make sure location for decal is free from grease, oil and dirt. Remove backing from decal and place in proper position.

Decals 1-5 are factory-mounted. Additional copies of decals 1 and 4 are shipped with this manual in separate packet #A3399 and have mounting instructions inside packet.

IMPORTANT: If suggested locations are not clearly visible, place safety decals in a more suitable area. Never cover up any existing safety decals.

- DECAL L0281 – WARNING:** To avoid serious injury or death. **Mount this decal** on bin sheet near door handle.



- DECAL L0271 - DANGER:** Shield missing. Do not operate!



- DECAL L0284 – WARNING:** Keep away from all moving parts.



- DECAL L0258A – DANGER:** Do not enter this bin! Keep clear of all augers. **Mount this decal** on bin sheet near door handle and near ladder leading to roof.



- DECAL L03061 – DANGER:** Keep away when auger is running!

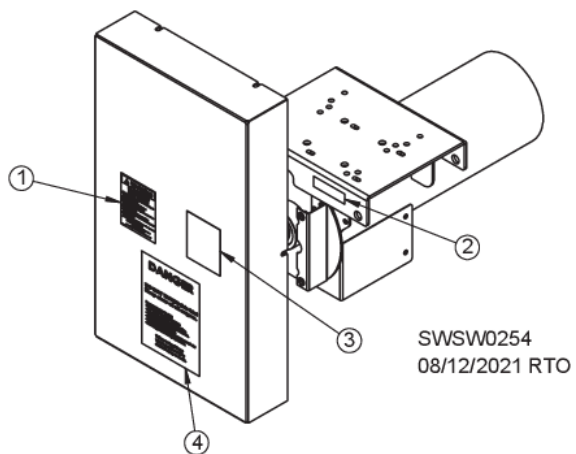


- DECAL L0328 – Sweepway Operation.** Mount this decal on bin sidewall near sump openers.

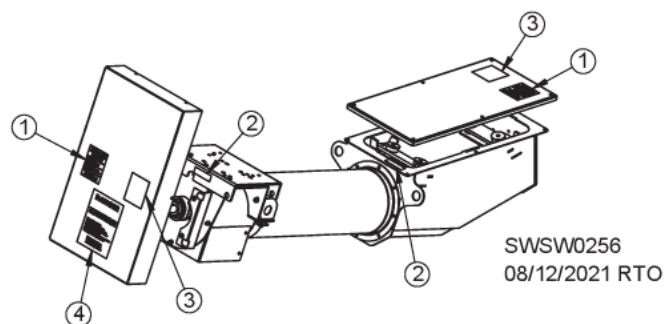


Safety Decals Placement for Sweepway

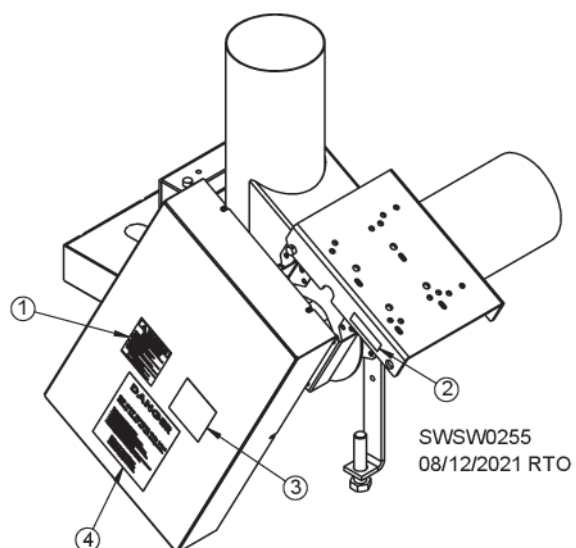
HORIZONTAL



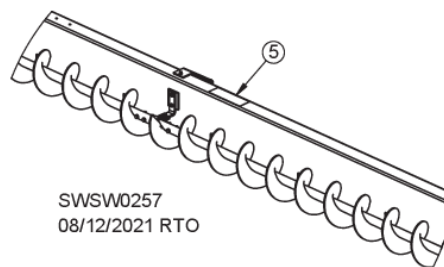
INCLINE



VERTICAL



SWEEP BACKBOARD



SWEEPWAY DIMENSIONS

See Fig. 1 and Table 1 for Sweepway dimensions.

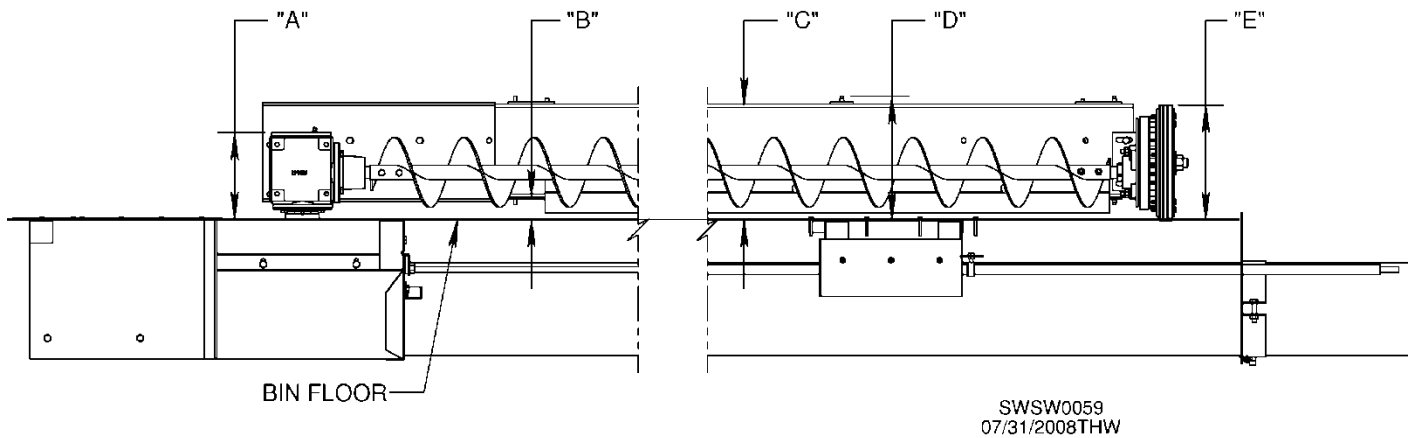


Fig. 1 & Table 1 – Sweepway dimensions

DIMENSION	DISTANCE FROM BIN FLOOR	8"	10"
A	Top of gearbox	7-1/2"	8-1/2"
B	Bottom of backboard	2"	2-5/8"
C	Top of backboard	9-7/8"	12-5/8"
D	Top of huckbolt sleeve	10-3/8"	13-1/8"
E	Top of reduction wheel	10" *	17"

*Dimension E will be 17" if 17" wheel is used on 8" Sweepway

UNLOAD SYSTEM DIMENSIONS

See Figs. 2-6 and Tables 2-4 for approximate dimensions of unload systems.

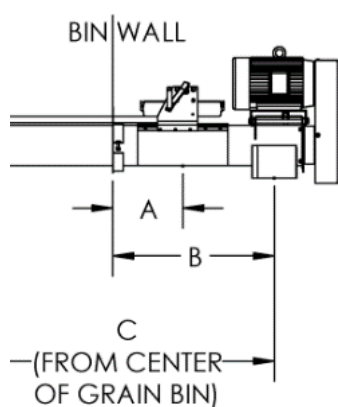
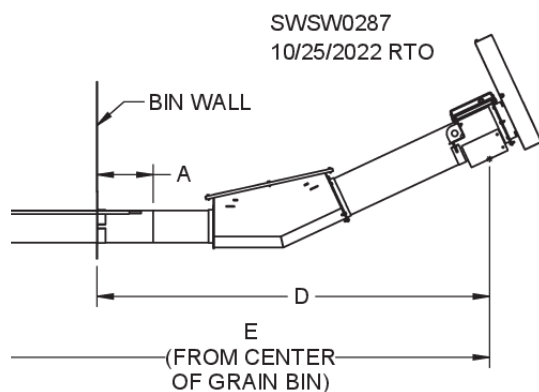


Fig. 2 – Horizontal unload

	8"	10"
WIDTH	8"	10"
LENGTH	8"	10"

Table 2 – Horiz. discharge dims.



**Fig. 3 – Incline unload
(Additional dimensions
on Page 12)**

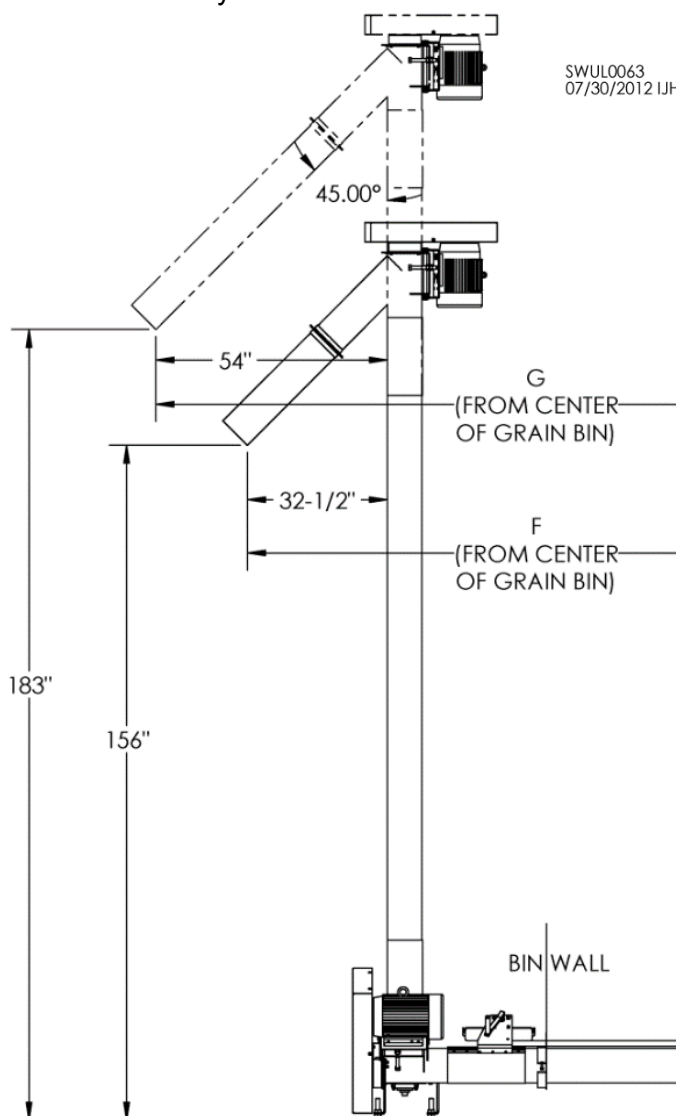


Fig. 4 – Vertical unload

Dimensions

Table 3 – Unload system dimensions for 8" Sweepway

Sukup bin diameters shown in bold.

	8" SWEEPWAY DIMENSIONS						
BIN DIA.	A	B	C	D	E	F	G
15'	16	35	125	100	190	162.5	184
15' 6"	13	32	125	97	190	162.5	184
16' 5" (5M)	13.5	32.5	131	97.5	196	168.5	190
18'	16.5	35.5	143.5	100.5	208.5	181	202.5
18' 7"	13	32	143.5	97	208.5	181	202.5
19' 8" (6M)	13	32	150	97	215	187.5	209
21'	17	36	162	101	227	199.5	221
21' 8"	13	32	162	97	227	199.5	221
22' 11" (7M)	13.5	32.5	170	97.5	235	207.5	229
24'	17	36	180	101	245	217.5	239
24' 9"	12.5	31.5	180	96.5	245	217.5	239
26' 3" (8M)	13.5	32.5	190	97.5	255	227.5	249
27'	18	37	199	102	264	236.5	258
27' 10"	13	32	199	97	264	236.5	258
29' 6" (9M)	13	32	209	97	274	246.5	268
30'	19	38	218	103	283	255.5	277
31'	13	32	218	97	283	255.5	277
33'	19	38	236	103	301	273.5	295
34'	13	32	236	97	301	273.5	295
36' (11M)	19	38	254	103	319	291.5	313
37' 1"	12.5	31.5	254	96.5	319	291.5	313
42'	13	32	284	97	349	321.5	343
42' 8" (13M)	13	32	288	97	353	325.5	347
43' 3"	12.5	31.5	291	96.5	356	329	350.5
48'	13	32	320	97	385	357.5	379
49' 3" (15M)	14	33	328.5	98	393.5	366	387.5
54'	13	32	356	97	421	393.5	415
55' 8"	13	32	366	97	431	403.5	425
60'	13	32	392	97	457	429.5	451

IMPORTANT:

Dimensions are based on nominal bin diameters listed and provide approximate measurements for planning and layout purposes.

Table 4 – Unload system dimensions for 10" Sweepway

Sukup bin diameters shown in bold.

	10" SWEEPWAY DIMENSIONS						
BIN DIA.	A	B	C	D	E	F	G
24'	29	47	191	129	273	236.5	258
24' 9"	24.5	42.5	191	124.5	273	236.5	258
26' 3" (8M)	23	41	198.5	123	280.5	244	265.5
27'	30	48	210	130	292	255.5	277
27' 10"	25	43	210	125	292	255.5	277
29' 6" (9M)	25	43	220	125	302	265.5	287
30'	31	49	229	131	311	274.5	296
31'	25	43	229	125	311	274.5	296
33'	31	49	247	131	329	292.5	314
34'	25	43	247	125	329	292.5	314
36' (11M)	31	49	265	131	347	310.5	332
37' 1"	24.5	42.5	265	124.5	347	310.5	332
42'	25	43	295	125	377	340.5	362
42' 8" (13M)	23	41	297	123	379	342.5	364
43' 3"	25	43	302.5	125	384.5	348	369.5
48'	25	43	331	125	413	376.5	398
49' 3" (15M)	26.5	44.5	340	126.5	422	385.5	407
54'	25	43	367	125	449	412.5	434
55' 8"	25	43	377	125	459	422.5	444
60'	25	43	403	125	485	448.5	470
61' 10"	31	49	414	131	496	459.5	481

Dimensions

See Fig. 5 for 8" incline dimensions and Fig. 6 for 10" incline dimensions.

NOTE: Discharge box for 8" system is 10" x 10". Discharge box for 10" system is 12" x 12".

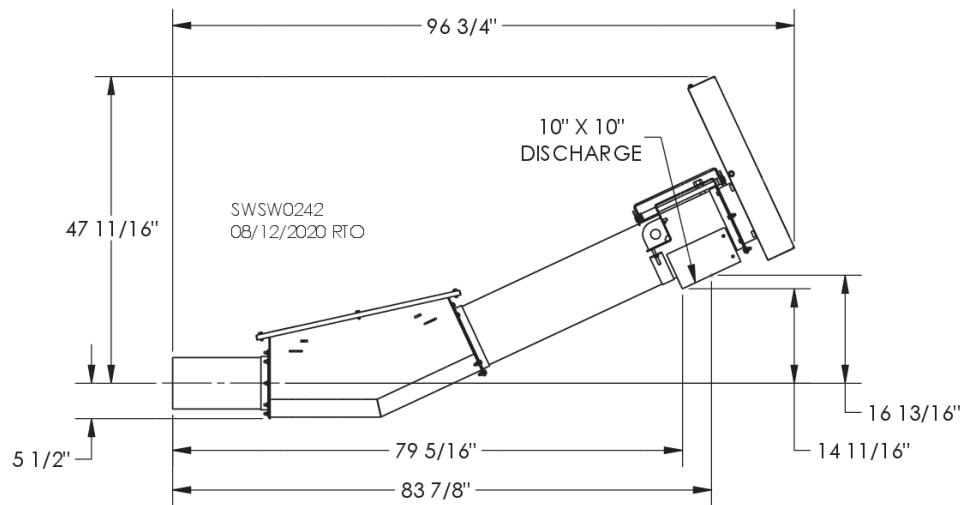


Fig. 5 – 8" Incline unload

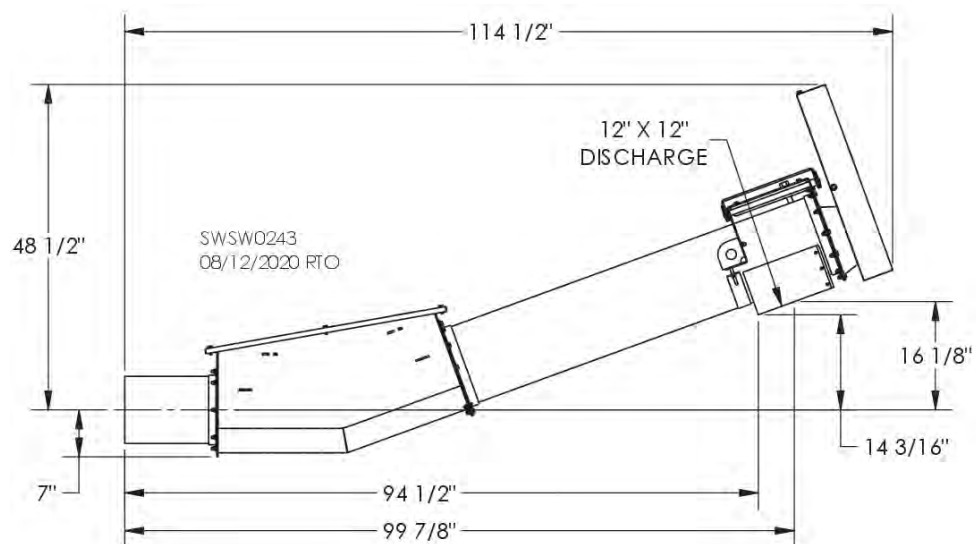


Fig. 6 – 10" Incline unload

PREPARATION / UNLOAD INSTALLATION

Unload tube can either be placed in a bin with a steel aeration floor as shown in Fig. 7 or a concrete trench as shown in Fig. 10. Instructions are provided for both types of floor. In either case, the first step is to determine from which side of bin grain will be unloaded.

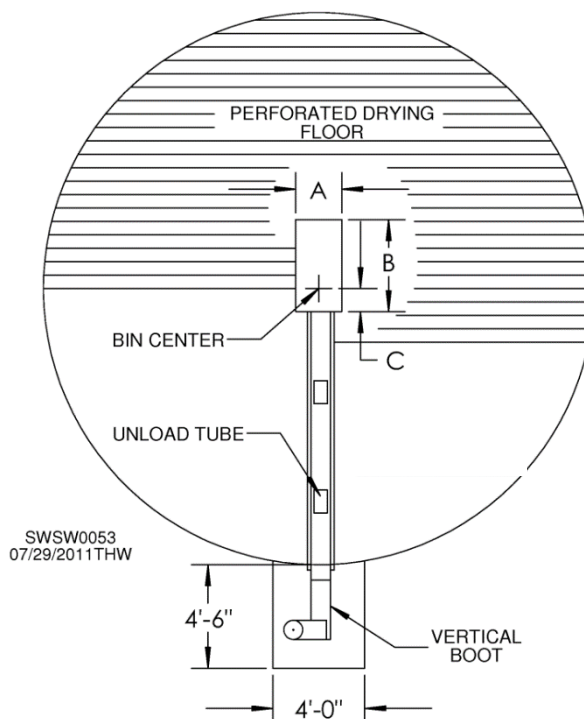
Unloading tube must have unobstructed path to center sump, and center of top gearbox must be in exact center of bin as shown in Figs. 7 and 10. Locate center of bin by taking several measurements.

For installation in full aeration floor:

NOTE: Instructions are written for installation prior to floor installation, and for when floor is arranged as shown in Fig. 7. Ensure there are adequate floor supports used around unload tube.

Fig. 7 & Table 5

	8" & 10"
A	23-1/2"
B	37"
C	9"



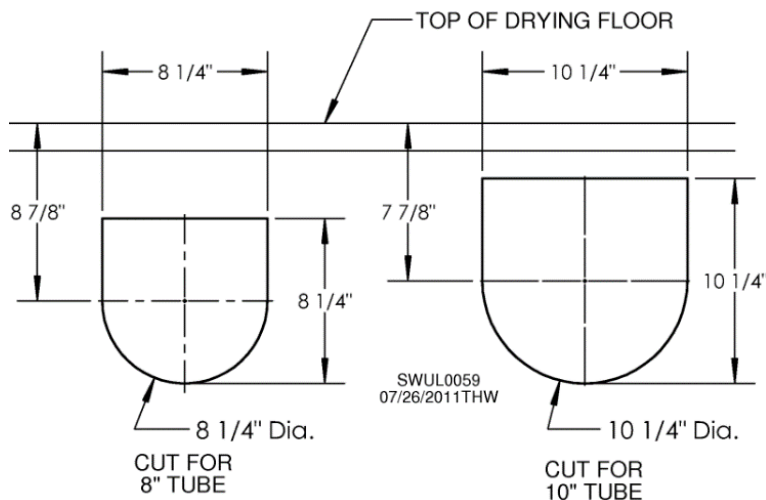
NOTE: In existing bin with a full aeration floor, it may be necessary to remove about half of floor.

Before installation, check floor height. Minimum plenum height required for installation of 8" or 10" sweep is 13-1/4". Maximum floor thickness is 2-3/4" for 8" sweep or 1-3/4" for 10".

Preparation / Installation

Cut hole in bin wall at desired unloading location, with center of hole located as shown in Fig. 8.

Fig. 8 – Bin wall cutout



If floor has not previously been installed, install half of bin floor on side opposite of unload, plus two planks past center of bin. **NOTE:** Floor planks must run perpendicular to unload tube.

Position center sump so that center of top gearbox is at exact center of bin. Align center sump with bin wall opening. With spray paint, mark pattern around sump on floor planks. Cut appropriate size hole for sump. See Fig. 7.

Position center sump so unloading tube attachment points toward bin wall opening. Support center sump at bottom, if necessary, using non-flammable material. Place extra floor supports around sump for additional support.

SUPPORTING FLOOR OVER UNLOAD SYSTEM

DISCLAIMER: It shall not be the responsibility of Sukup Manufacturing Co. to determine suitable support system for flooring over unload system. Customer (or customer's retained engineer or construction supervisor) is responsible. Consideration should include, but not be limited to, live loads, dead loads and seismic zone. Sukup Manufacturing Co. will not be responsible for any damage to a product, including, but not limited to, any damage that results from inadequate or improper support methods and materials.

Bridging kits are available from Sukup Manufacturing Co. to simplify installation of flooring over unload auger and to improve strength and stability of flooring over it. Bridging can be used with Standard or Heavy Duty Double Super Supports.

Table 6 shows locations where bridging is needed and shows bridging kits available (P5110 or P5111).

Table 6 – Bridging locations & kits	CENTER SUMP GATE WIDTH	INTERMEDIATE SUMP WIDTH	UNLOAD WIDTH
8" Sweepway	23 1/2" (P5111)	N/A	8" (P5110)
10" Sweepway	23 1/2" (P5111)	N/A	10" (P5110)

©3/8/18

If applicable table in flooring manual (for type of supports used under floor) says supports should be placed closer than allowed by width of center sump gate and/or unload system, then bridging is needed to support floor planks at sump and/or along unload auger. It is OK to use a Double Super Support in place of a SuperWave or Z-Post support to get closer to unload system without interference.

See applicable Channel-Lok flooring installation manual for bridging instructions. Fig. 9 shows typical placement of Double Super Supports and bridging for Sweepway.

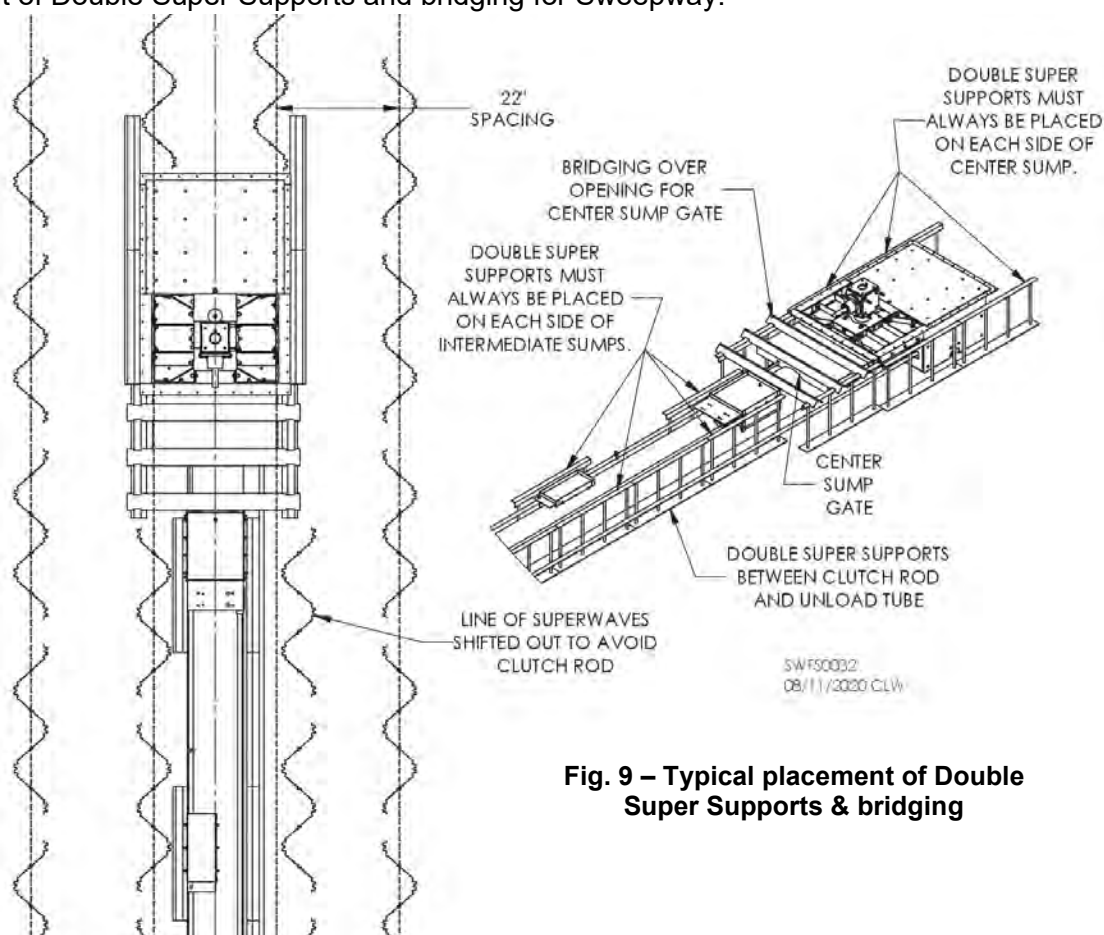


Fig. 9 – Typical placement of Double Super Supports & bridging

Installation

For installation in concrete trench:

Ensure trench meets dimensions shown in Fig. 10 and Table 7. Trench will need to be formed when foundation is poured. Because of moving slide gates and pull rods, concrete CANNOT be poured over sweep tube. After tube installation, cover trench with Channel-Lok flooring or other suitable material.

Position center sump as shown in Fig. 10 so top of gearbox is at exact center.

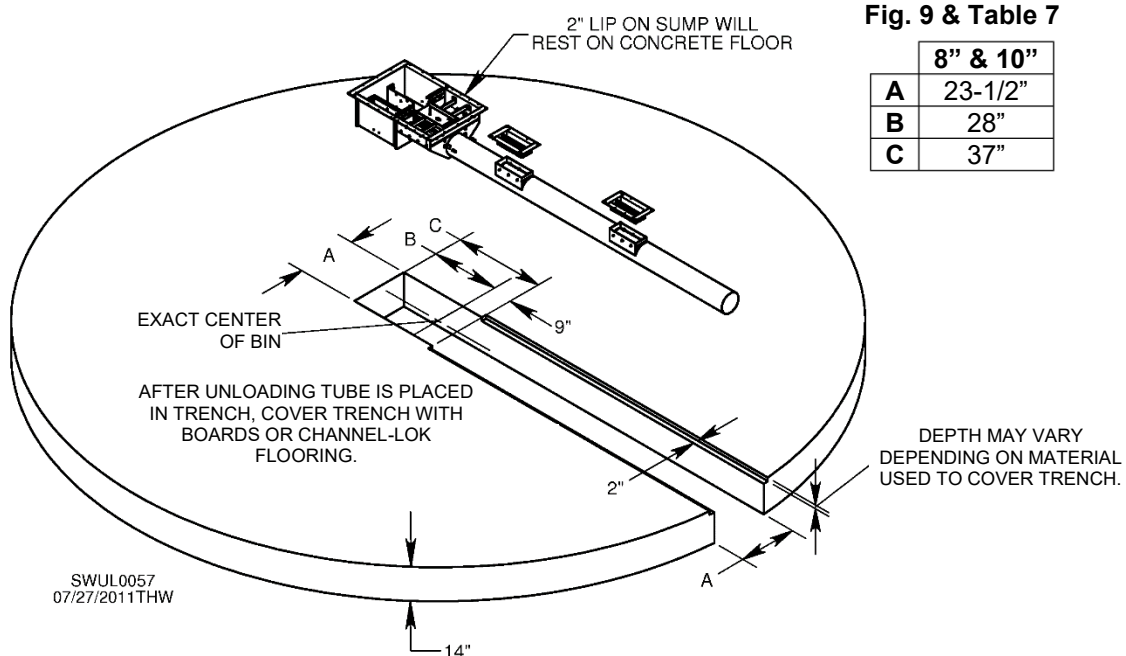


Fig. 9 & Table 7

	8" & 10"
A	23-1/2"
B	28"
C	37"

For installation in either application:

A concrete pad, 4' 6" x 4' measured from bin foundation, is required for unload systems using vertical boot drive. Pad should be poured below level of concrete floor of bin, as shown in Fig. 11. Use Plenum Height table to determine pad offset (B) from bin floor. **NOTICE:** In northern locations, frost can lift pad, causing damage to unload system. Loosen threaded support legs in winter and re-tighten in spring.

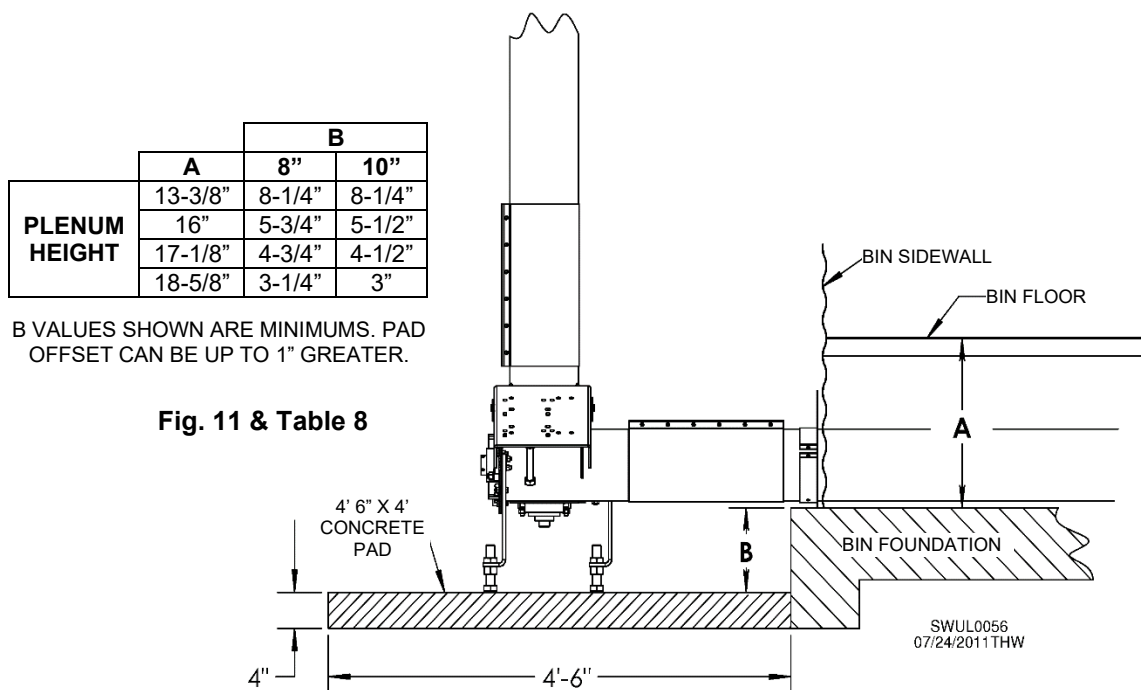


Fig. 11 & Table 8

	A	B	
		8"	10"
PLENUM HEIGHT	13-3/8"	8-1/4"	8-1/4"
	16"	5-3/4"	5-1/2"
	17-1/8"	4-3/4"	4-1/2"
	18-5/8"	3-1/4"	3"

B VALUES SHOWN ARE MINIMUMS. PAD OFFSET CAN BE UP TO 1" GREATER.

For installation in both floor types:

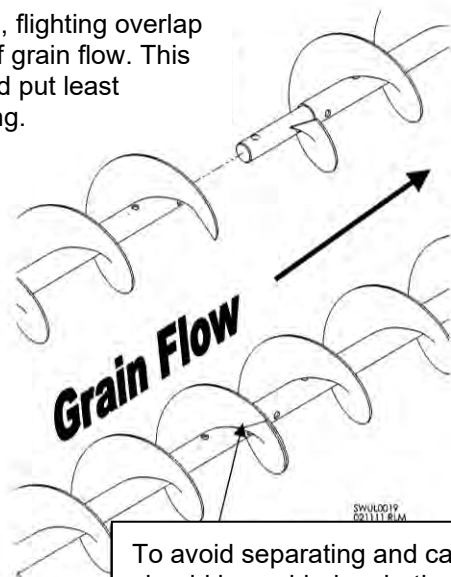
With tabs on unloading tube closest to center sump, slide unloading tube out slightly through bin wall and then back **into sump**. Position tube so intermediate sumps are straight up. Bolt tube to sump using attachment tabs welded onto tube, and holes provided in sump.

Connect extension sections of auger, if applicable, as shown in Fig. 12.

WITH OVERLAP

When adding an extension, flighting overlap needs to be on backside of grain flow. This will limit wear problems and put least amount of stress on flighting.

Fig. 12

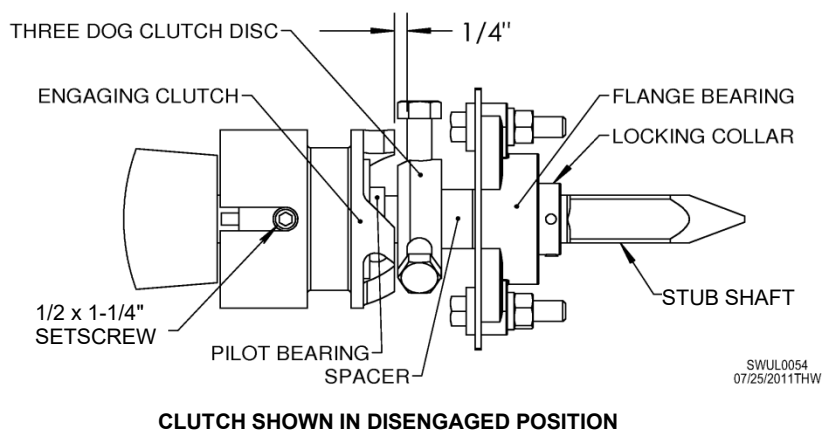


WITHOUT OVERLAP

Using bolts and turning flighting 180°, extension should be lagging, not leading inside section of flighting. If working in rice or other small grains, bolts may be omitted and shaft can be welded into place to match flights. Leave a slight gap between tubes to get a good weld on connecting shaft and tube.

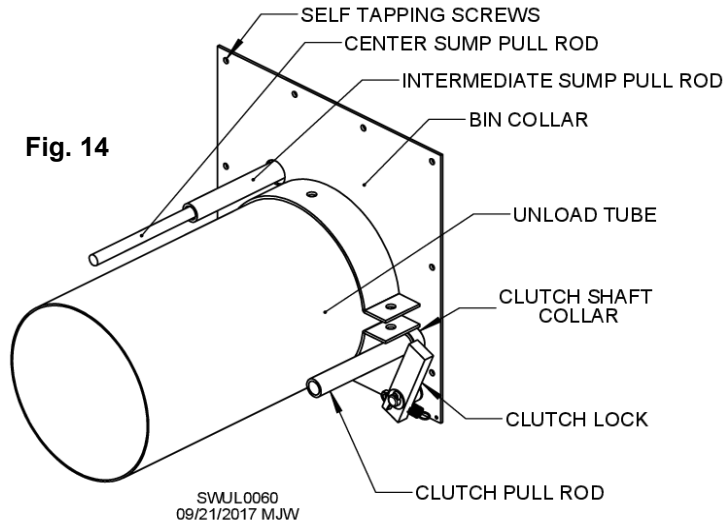
Slide unloading auger, square end first, through unloading tube and over stub shaft in sump. See Fig. 13.

Fig. 13



Installation

Slide bin collar over tube protruding from bin. Position bin collar so clutch pull rod hole and lock assembly are on lower right side as shown in Fig. 14. Collar clamp tabs will be horizontal as shown. Mark clutch rod hole and drill through bin wall. Using metal screws, fasten bin collar to bin wall. Caulk around collar. Do not tighten bin collar clamps at this time. If unload system has an independent intermediate sump, remove knockout for pull rod.



INDEPENDENT INTERMEDIATE SUMP PULL ROD INSTALLATION

Follow these steps to attach pull rod:

1. Remove four (4) shaft collars from pull rod.
2. Attach a pull rod support clamp about 15" from independent intermediate sump. Be sure to leave at least 11" clearance for sump gate opening.
3. In bins more than 31' diameter, attach a second pull rod support clamp about halfway between first clamp and bin wall.
4. Slide pull rod through support clamps and into gate bracket as shown in Fig. 15, simultaneously attaching shaft collars to rod as shown.
5. With gate fully closed, push sump rod against sump.
6. Adjust shaft collars so they are tight against gate bracket. Tighten shaft collars.
7. On outside of bin, attach E5404 handle to pull rod using setscrew.
8. Ensure sump gate opens and closes completely.

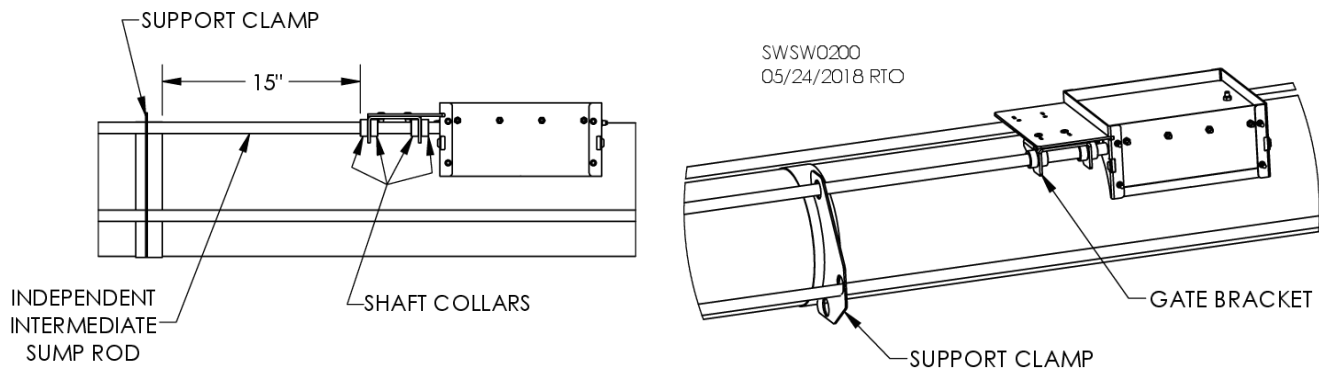


Fig. 15

Installation

Slide clutch pull rod through bin collar and into rear compartment of center sump. If not already installed on unload tube in bin 31' dia. or larger, bolt clutch rod support clamp midway on unload tube and slide clutch pull rod through support (support not needed in smaller bins).

Attach clutch pull rod to clutch shifter arm with 3/8 x 1-1/2" picker pin and hairpin clip. Use hole closest to end of shifter arm for 10" unit. Use other hole for 8" unit. See Fig. 16. See Fig. 17 for overview of center sump and clutch assembly.

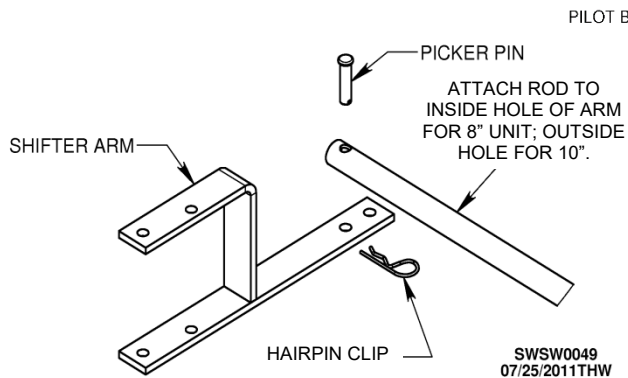


Fig. 16 – Connecting clutch pull rod to shifter arm

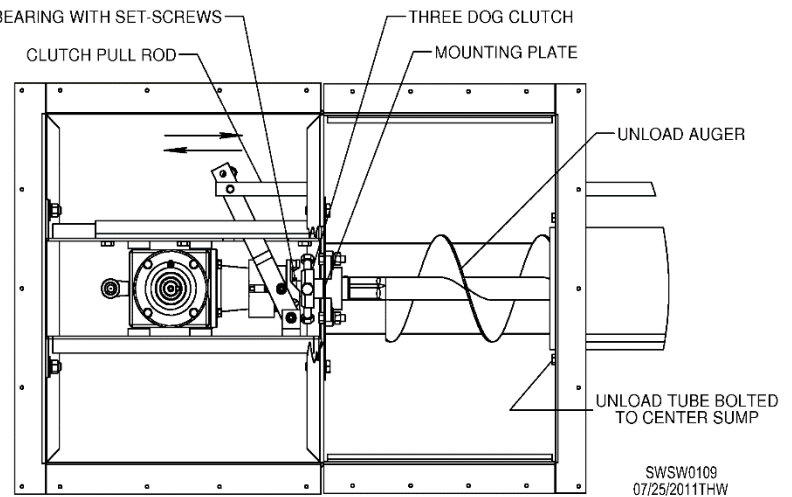


Fig. 17 – Overview of sump w/ pull rod connected

Guide center sump gate pull rod up to 1/2" nut rivet on center sump slide gate. See Fig. 18. Thread pull rod into nut rivet until tight. Turn nut on pull rod until it is tight against slide gate.

As floor installation or re-installation continues, cut floor planks where intermediate sumps will be located. Number of sumps varies with diameter of bin.

Put top half of each intermediate sump into hole cut into bin flooring. Secure flanges to flooring with self-drilling screws. See Fig. 18. Also, ensure bottoms of sump covers extend into intermediate sumps. Sump covers may have to be trimmed so they do not interfere with sump gate operation.

With all intermediate sumps in position and all sump slide gates operating freely, tighten clamps on bin collar. See Fig. 14.

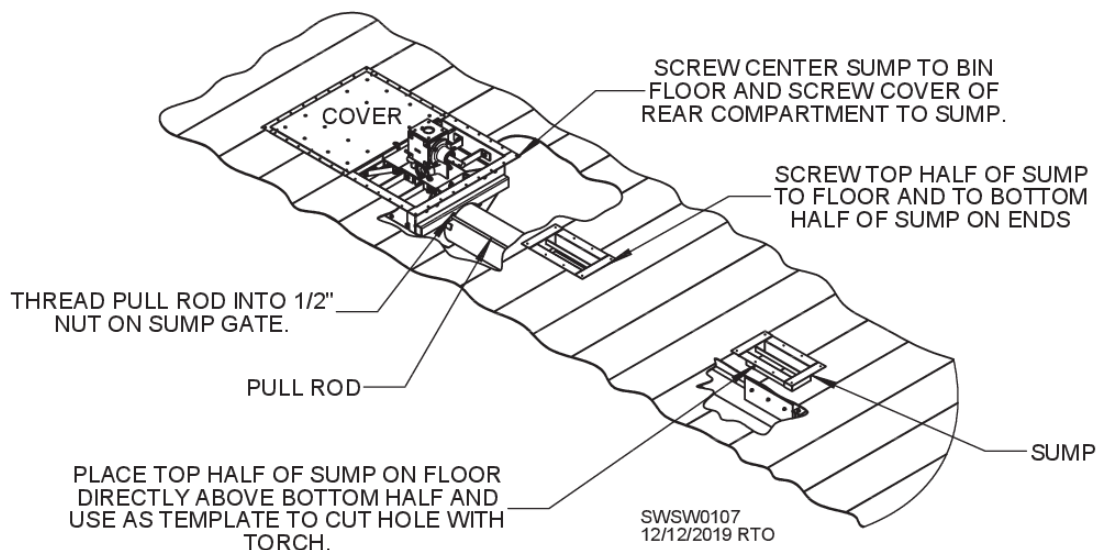


Fig. 18 – Sump installation

Installation

Slide 1" lock collar onto clutch pull rod with clutch disengaged (rod pushed in). Push latch down and slide 1" lock collar against bin collar so that when latch is released, lock collar is sandwiched between latch and bin collar. See Fig. 19. Tighten 1" lock collar setscrew. Latch will keep clutch disengaged. When latch is pushed down, rod can be pulled for engagement of clutch.

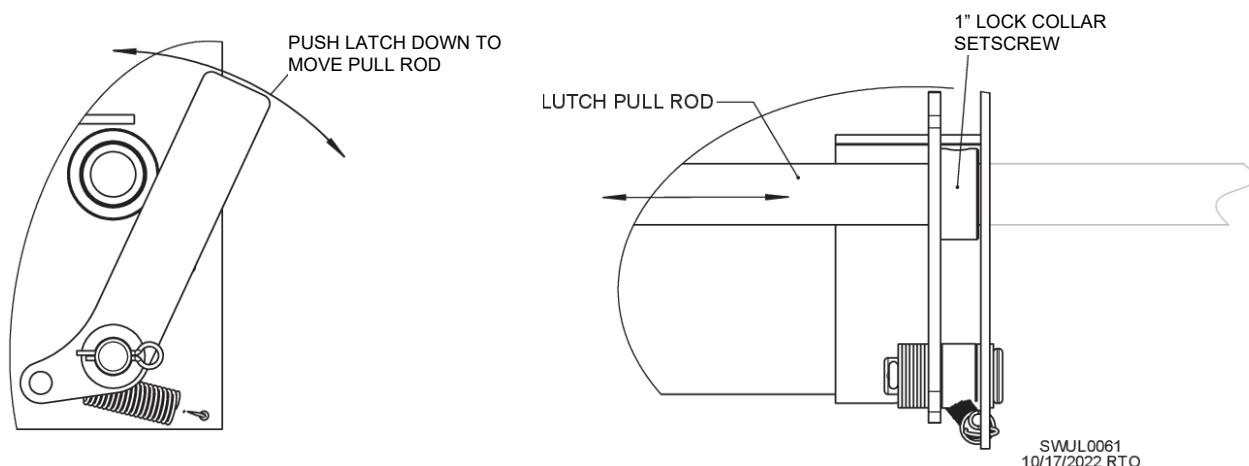


Fig. 19 – Front and side views of clutch lock assembly

NOTE: Clutch is factory-set. However, make sure teeth engage and disengage properly. There should be about 1/4" clearance when clutch is disengaged. See Fig. 13. Clutch disc may be adjusted by loosening bolts.

COMPLETING FLOOR INSTALLATION

Complete installation of bin floor, making sure to provide adequate support along unload tube and near sump. This applies to full-aeration steel floors and flooring over concrete trench.

NOTE: If small, easy-flowing grain will be stored in bin, it is best to seal sumps with silicone or a rubber membrane (not provided) to avoid leaking.

IMPORTANT: Ensure supports do not interfere with sump gate operation.

NOTICE: Floor flashing must be installed over steel aeration floor as shown in Fig. 20 to prevent excessive wear on drive wheel. Sweep moves clockwise. Ensure that flashing is overlaid so sweep wheel “steps up.”

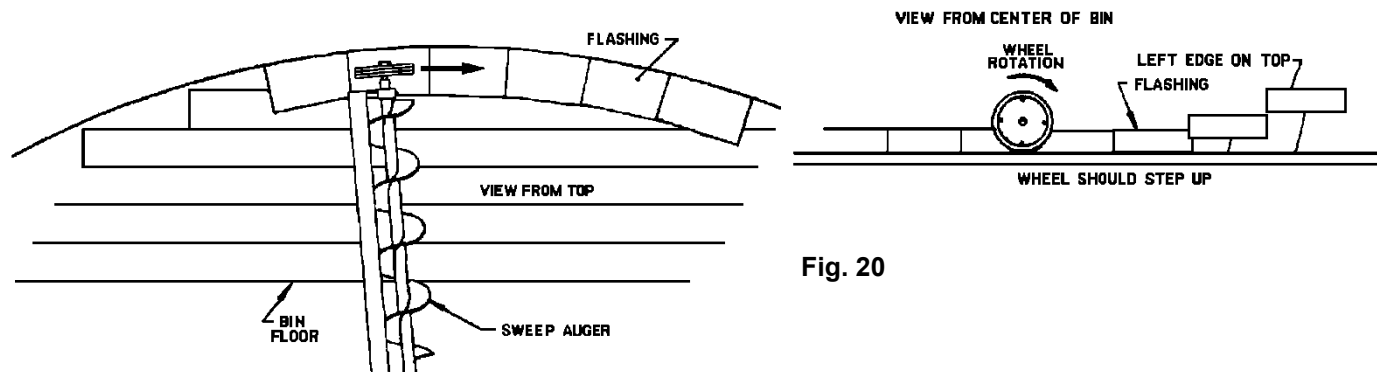
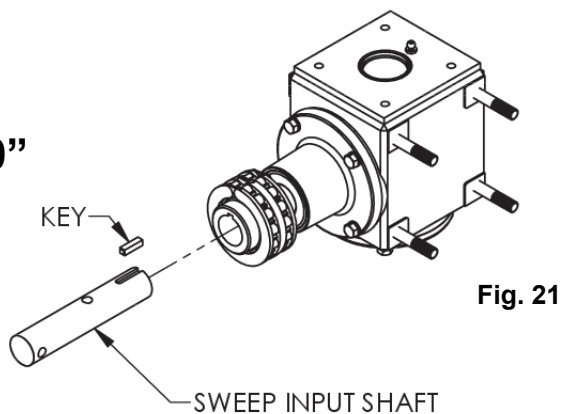


Fig. 20

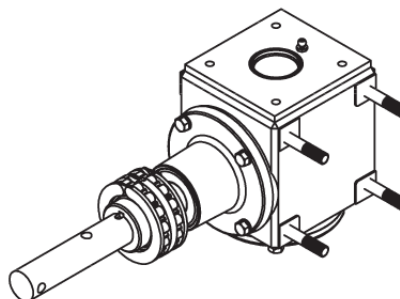
ASSEMBLING BIN SWEEP

For 8" and 10" systems, start by attaching sweep input shaft to top gearbox. Insert 1/4" key into shaft and insert shaft 1" into sprocket. See Fig. 21. Tighten two (2) setscrews.

8" & 10"

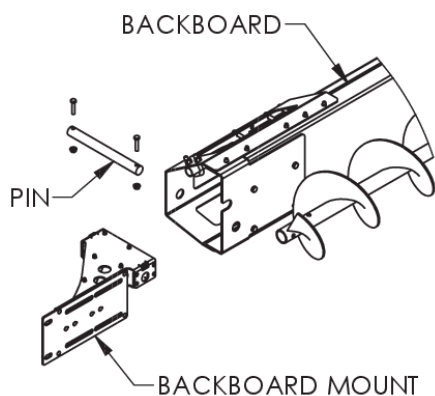


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12/19/2019 RTO



For 8" or 10" Sweepway, line up 1" diameter holes in backboard with holes in backboard mount. See Fig. 22. Insert pin and secure it with two (2) 5/16" bolts, one on each end.

8" & 10"



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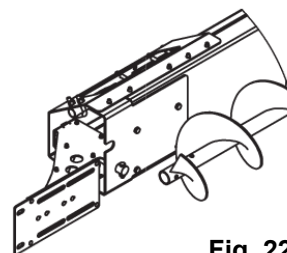
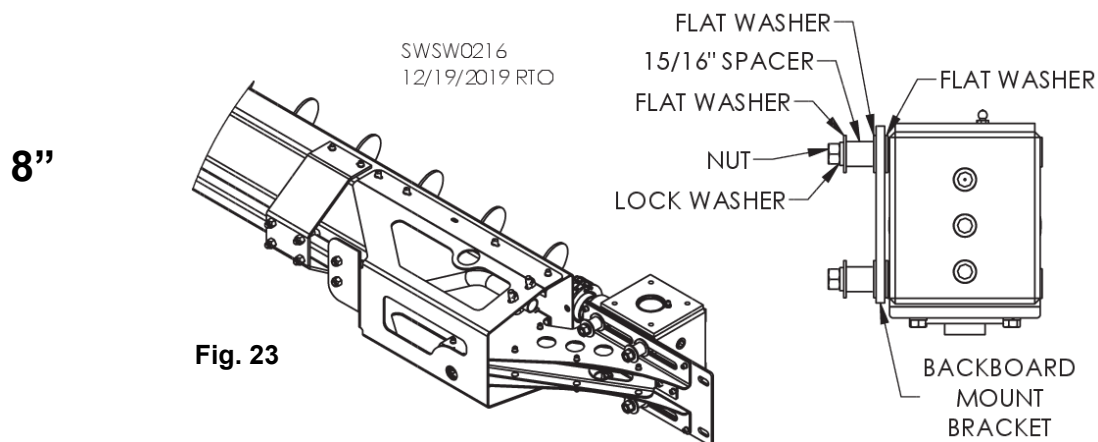


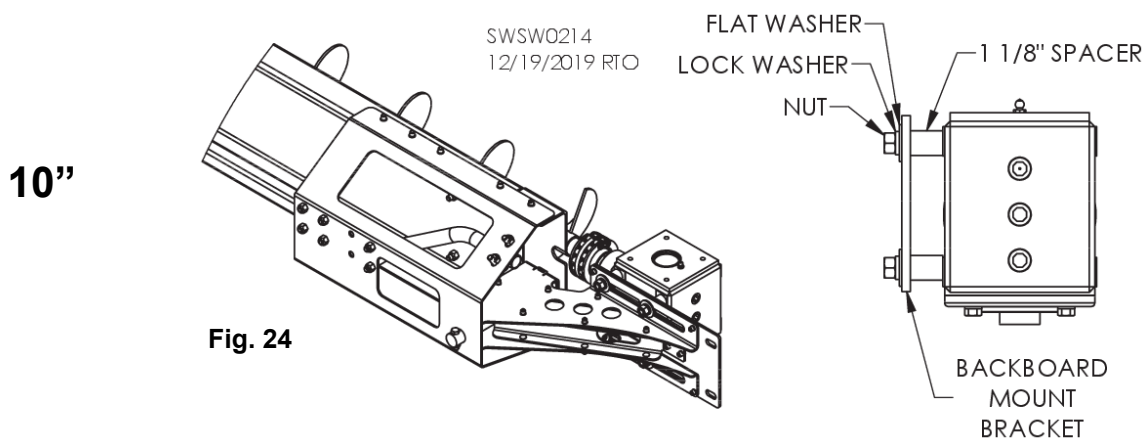
Fig. 22

Installation

On 8" Sweepway, attach backboard to top gearbox as shown in Fig. 23 using previously installed backboard mount bracket. Slide a flat washer over each stud protruding from gearbox, then slide studs through backboard mount bracket and attach using flat washer, 15/16" spacer then a flat washer and lock washer. Secure with 7/16" nut on each bolt.



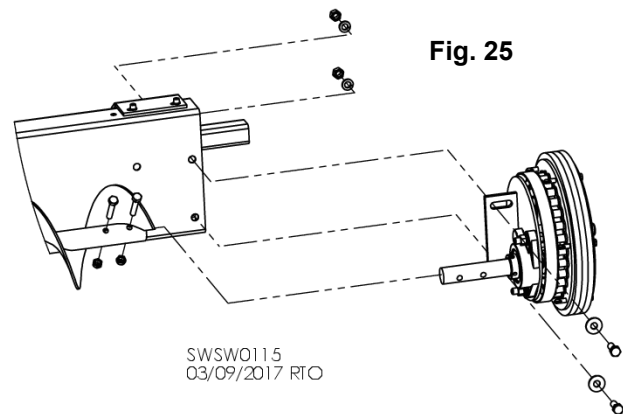
On 10" Sweepway, attach backboard to top gearbox as shown in Fig. 24 using previously installed backboard mount bracket. Slide a 1-1/8" spacer over each stud protruding from gearbox, then slide studs through backboard mount bracket. Slide a flat washer over each stud and then a lock washer. Secure with 7/16" nut on each bolt.



Installation

Size of drive wheel used on sweep depends on size of bin and unload system. A 10" wheel with 4:1 reducer comes standard for 8" systems in bins up to 34' dia. A 17" wheel with 16:1 reducer comes standard for 8" systems in bins 36' dia. and larger and for all 10" systems.

For attachment of 10" wheel, see Fig. 25. Loosely bolt sweep auger to reduction wheel input shaft using two 5/16 x 1-3/4" screws (J0570) and two 5/16" lock nuts (J1010). Loosely bolt mounting bracket to sweep backboard using two 3/8 x 1" screws (J0606), 3/8" split lock washers (J1205) and 3/8" hex nuts (J1020) as shown. Position wheel so it is perpendicular with backboard and straight up and down. Tighten bolts connecting shaft to auger, and bolts connecting mounting bracket to backboard.

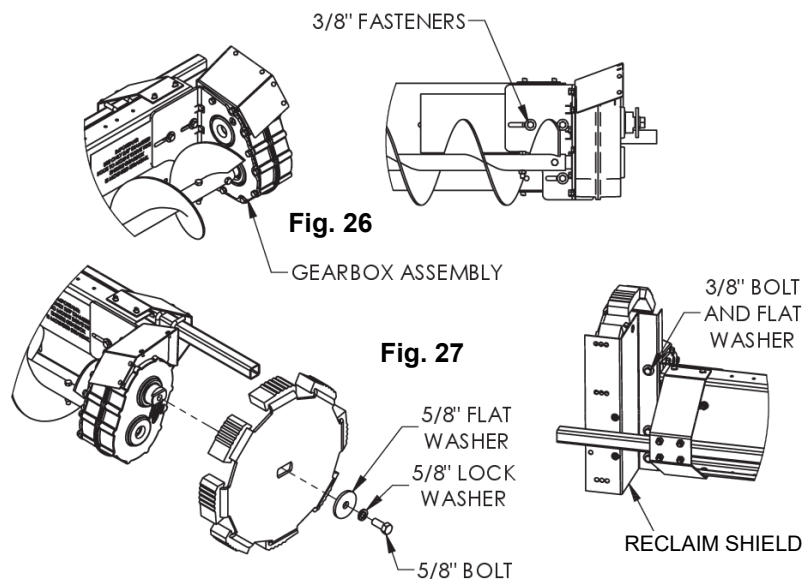


For attachment of 17" wheel, see Fig. 26. Slide gearbox assembly shaft into auger. On 8" system, secure with 5/16 x 1-3/4" bolts and 5/16" lock nuts. On 10" system, secure with 3/8 x 2-1/4" bolts and 3/8" lock nuts. **NOTICE:** Ensure gearbox is straight. Failure to do so may cause auger tube to break.

Bolt gearbox assembly to backboard using 3/8 x 1" bolts, flat washers and flange nuts. See Fig. 26.

Remove 5/8" bolt from gearbox output shaft. Use it to attach drive wheel as shown in Fig. 27.

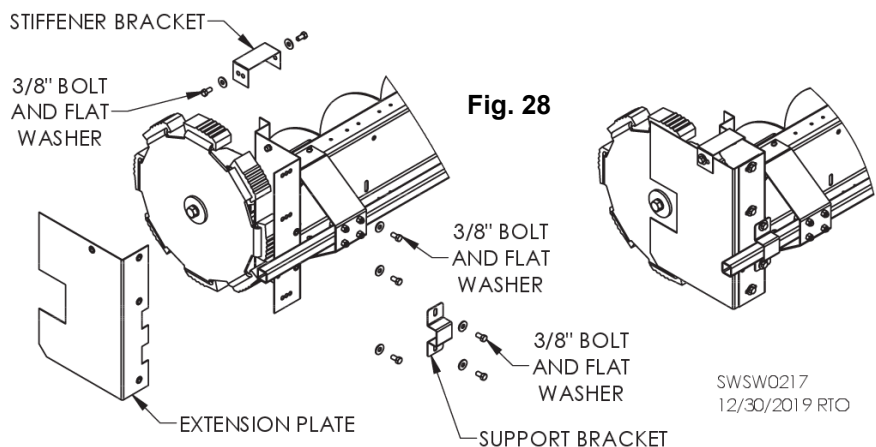
Attach grain reclaim shield as shown in Fig. 27 using 3/8 x 3/4" bolts, flat washers.



Attach extension plate, support bracket and stiffener bracket as shown in Fig. 28 using 3/8 x 3/4" bolts, flat washers.

NOTE: On reclaim shield there are three holes in each of the three sets of holes for mounting extension plate. Use the middle hole in each set.

NOTE: If bin has a stirring machine, trim its down-augers to avoid contact with sweep and 17" wheel. Minimum clearance from any object is 6".



Installation

Attach rear carrier wheel(s) to backboard as shown on Page 63. In bins smaller than 24', attach one carrier wheel near center of backboard. In bins 24' dia. and larger, attach one wheel as close to drive wheel as allowed (within 4' of outer end of backboard) and one as close to center as allowed (within 4' of inner end of backboard).

Ensure sumps will be missed by carrier wheel(s) as sweep travels around bin.

See Figs. 29 and 30 to guide positioning of rear carrier wheel(s).

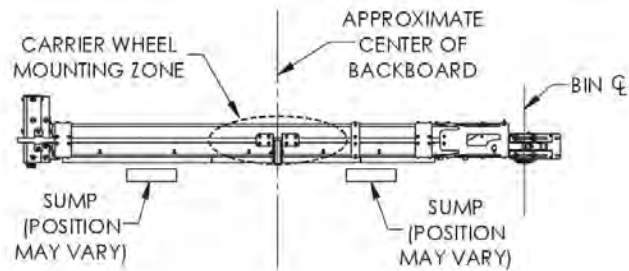


Fig. 29 – Rear carrier wheel mounting zone in bin < 24' dia.

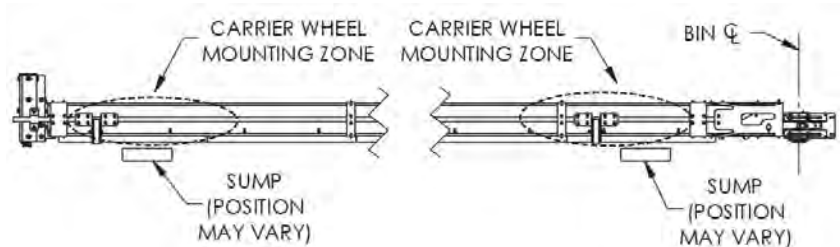


Fig. 30 – Rear carrier wheel mounting zones in bin ≥ 24' dia.

ATTACHING SWEEP STOP

Bolt sweep stop to bin wall near door so it can be positioned without entering bin. Bottom of stop must be 1-1/2" from floor. For Sweepway with 17" drive wheel, add sweep stop extension (E5515) as shown in Image 1 using two (2) 5/16" bolts and 5/16" flange nuts.

Mount sweep stop bracket to wall with four (4) 5/16 bolts w/ polyurethane washers, 5/16" fender washers and 5/16" flange nuts. **NOTE:** Flashing bolts can be used to mount bottom of bracket. Holes for top of bracket will have to be field-drilled.

Image 2 shows sweep stop retracted to let sweep pass.

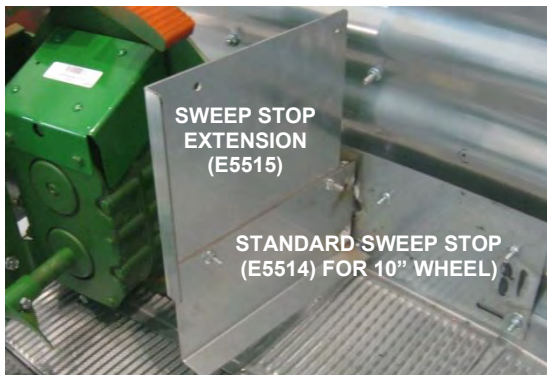
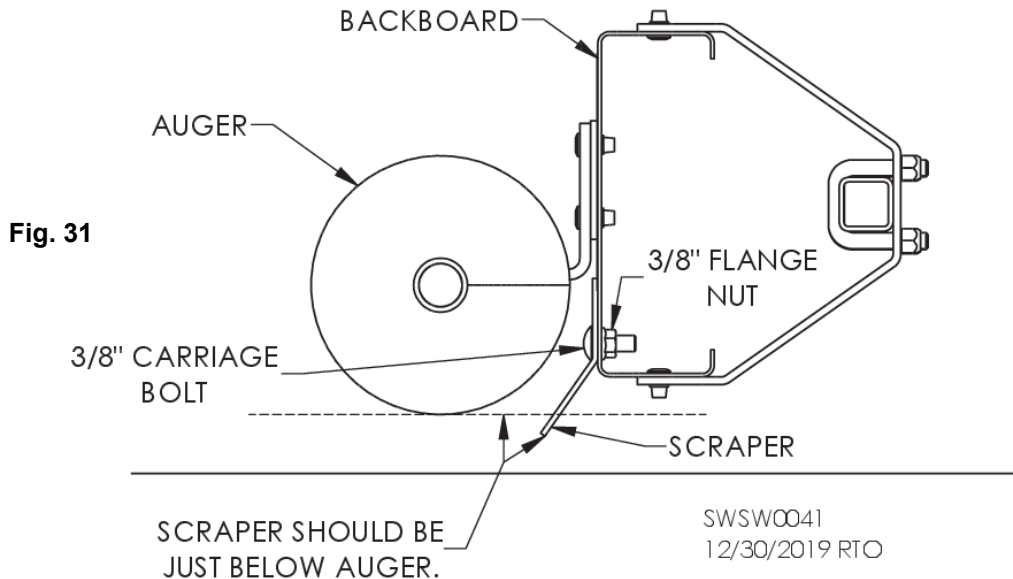


Image 1 – Sweep stop extension added for use with 17" drive wheel

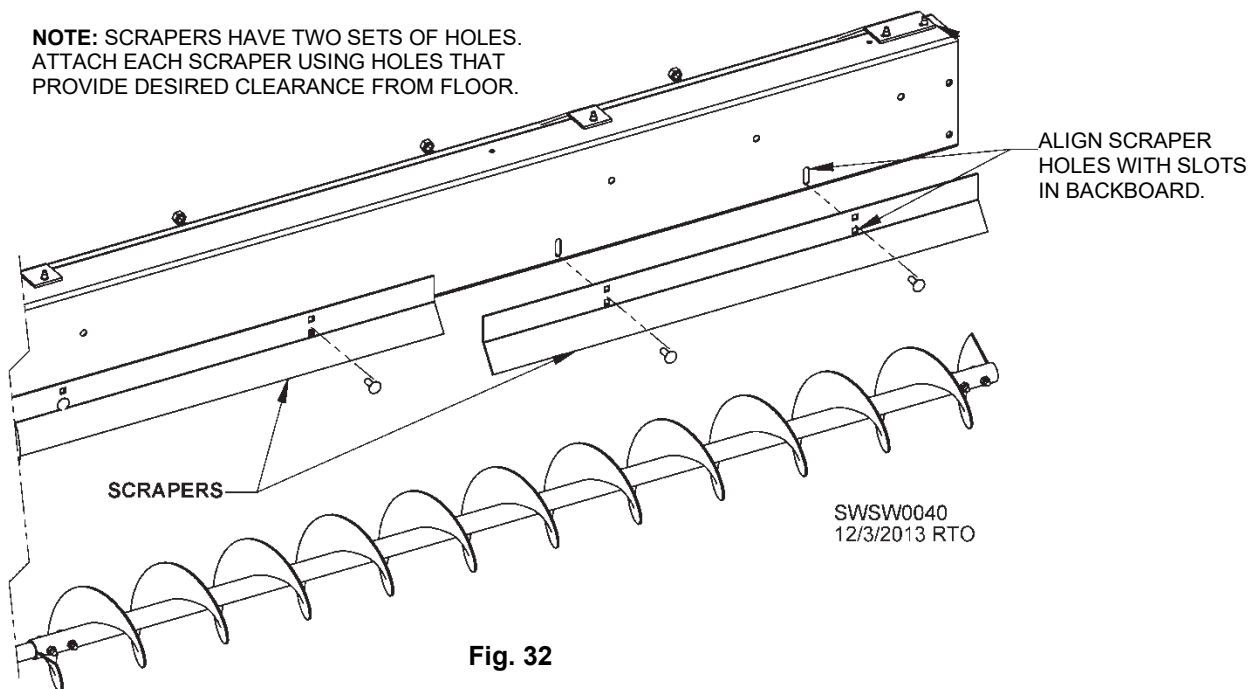


Image 2 – Sweep stop retracted

BACKBOARD SCRAPER INSTALLATION



1. Attach scrapers to backboard using 3/8 x 1" carriage bolts, **with heads of bolts on auger side of backboard**. See Fig. 31. Place scraper's short side flat against backboard as shown and align scraper holes with slots. See Fig. 32. Adjust scraper sections so bottoms are just below auger as shown in Fig. 31. Tighten 3/8" flange nuts. **NOTE:** Setting scraper too low will limit forward travel of sweep auger and reduce unload capacity.



Installation

2. Continue attaching scraper sections on backboard until all are installed or until all visible slots in backboard have been filled. Scraper closest to center sump may only be 18" long depending on bin diameter. **NOTE:** If an 18" section of scraper is needed, it will be factory-attached to back of backboard. Remove and attach to inside end of backboard. All scraper sections provided may not be used.
3. Once all scrapers and all other equipment for bin have been installed, exit bin and engage sweep auger. Start unload system and allow sweep to make one complete revolution in bin to make sure there is nothing on floor that will catch on scrapers.



DANGER: KEEP AWAY when auger is running. Entanglement with rotating auger will cause death or serious injury.

4. If scrapers catch on anything, stop unload system and remove obstacle. If it cannot be removed, raise scraper section that was hitting obstacle until it clears. Back up sweep a couple feet, exit bin and resume test.
5. Once scrapers are adjusted so sweep can make its revolution in bin freely, shut power off and make sure scrapers sections are tight.

NOTE: After bin has been filled, floor and sweep may flex due to weight of grain. It may be necessary to adjust scrapers again before next use. Make sure sweep auger is positioned just behind intermediate sumps.

CLUSTER BUSTER INSTALLATION

Determine location for hole in side of bin. Position sweep auger just behind outermost intermediate sump (to left of sump when looking toward bin wall). Note location of backboard torsion bar and drill 1" dia. hole in bin wall that will line up with torsion bar. See Image 3.

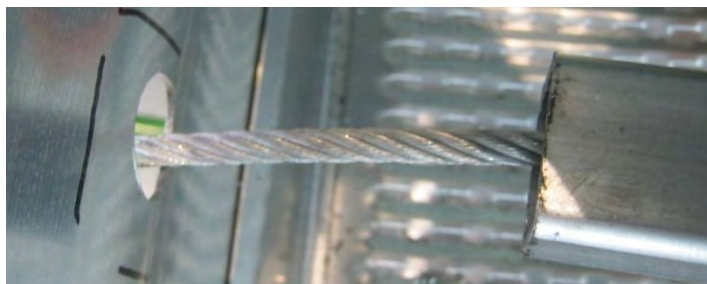


Image 3 – Hole aligned with torsion bar

Insert end of 1" OD bent conduit (E7968 or E79681) into torsion bar and attach other end to backboard using 3/8" U-bolt. See Fig. 33. End of conduit should be about 3-1/2" as shown.

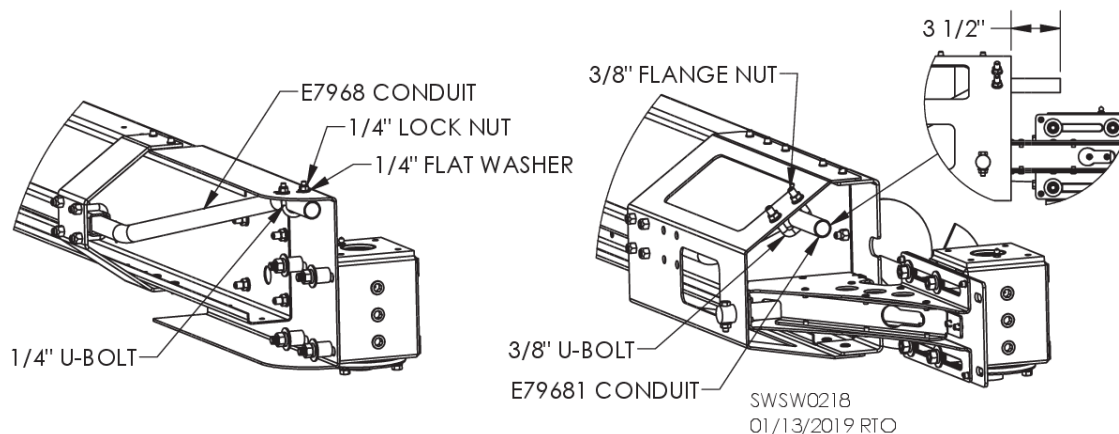


Fig. 33

Insert 1/4" cable (not provided) through hole in bin and push through torsion bar and conduit so cable extends about 15" from conduit.

See Table 9 on next page for recommended cable length. Leave enough cable outside of bin to attach drill.

Mark cable at bin wall to serve as a guide for when other end is over sump.

Use torch to weld end strands of cable together to prevent fraying. See Image 4. Welding cable will help ease its transition from torsion bar to conduit.

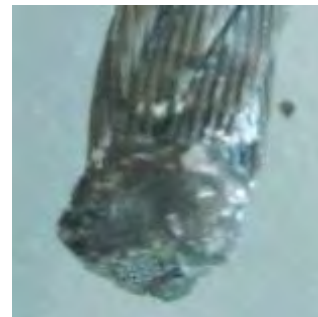


Image 4 – Welded cable

Installation

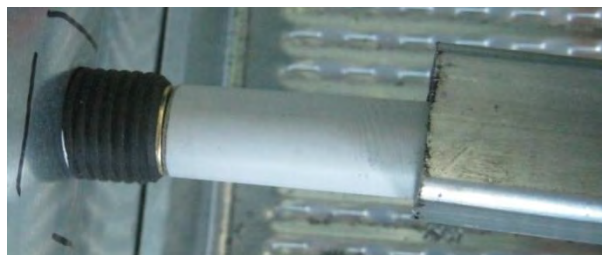


Image 5 – Alignment rod in torsion bar

Remove cable from bin and insert rod through bin wall hole and into torsion bar. See Image 5. Press down on handle as shown in Image 6 to seal rubber grommet in hole. If seal is not tight, remove rod and turn rubber grommet counterclockwise while holding handle stationary to increase grommet diameter. Reinsert and check seal again. Repeat as needed.



Image 6 – Rod/plug handle outside of bin



Image 7 – Rod kept inside of bin door

Affix Cluster Buster operation sticker to inside of bin door near bolt where rod will hang when not in use.

TO OPERATE: From outside of bin, remove alignment rod and insert 1/4" cable through torsion bar and conduit. Push cable until it comes into contact with grain over sump.

Attach variable-speed drill to cable and turn drill on. Push spinning cable in and out until clog is broken up and grain is moving. **NOTE:** If cable does not turn when drill is activated, pull back slightly.

NOTICE: Before engaging sweep, make sure neither cable nor rod is in torsion bar.

When bin is empty, line up torsion bar with hole in bin wall. Slide rod into torsion bar from outside of bin and snap down handle to plug hole.

Table 9 – Cable lengths by bin diameter

BIN DIAMETER	1/4" DIAMETER CABLE LENGTH
24'	13' 8"
24' 9"	14' 1"
26' 3" (8M)	14' 10"
27'	15' 2"
27' 10"	15' 7"
29' 6" (9M)	16' 5"
30'	16' 8"
31'	17' 2"
33'	18' 2"
34'	18' 8"
36' (11M)	19' 8"
37' 1"	20' 3"
42'	22' 8"
42' 8" (13M)	23'
43' 3"	13' 4"
48'	25' 8"
49' 3" (15M)	26' 4"
54'	28' 8"
55' 8"	29' 6"
60'	31' 8"
61' 10"	32' 7"

SWEEPWAY POWERHEADS

There are three main powerhead options for Sweepway and two sub-options for Vertical. See below.

- **Horizontal**
- **Vertical**
 - Two-Motor Bottom Drive
 - Top Drive
- **Incline**

See applicable installation instructions on this and following pages.

Horizontal Powerhead

To aid in part identification during assembly, see Pages 45-46.

1. Slide connector sleeve onto unloading tube and loosely attach with 3/8 x 3" screws and whiz nuts. See Pages 36-37 for instructions on installation of sump openers.
2. Remove safety shield sections and brackets from powerhead assembly. Slide powerhead tube into connector sleeve so unload auger shaft protrudes through flange bearing. Slide powerhead on completely so that it contacts unloading tube.
3. Ensure powerhead is level and tighten bolts on connector sleeve.
4. Slide locking collar over auger shaft protruding from unloading tube and lock onto flange bearing. Tighten setscrew on locking collar.
5. Attach 3.4" motor pulley onto motor shaft. Secure with key and setscrew.
6. Attach motor to motor mount plate with 3/8 x 1-1/2" bolts, nuts, lock washers and flat washers.
7. Re-attach brackets and inner shield.
8. Attach pulley to shaft extending from unload tube. Place 1/4" key in slot on pulley and align with motor pulley. Tighten setscrew.
9. Place belts on pulleys. Adjust tension using bolt on motor mount plate. See belt-adjusting instructions on Page 35.
10. Place outer safety shield over pulley and tighten bolts. **KEEP SHIELD IN PLACE AT ALL TIMES!**

Vertical Powerhead

To aid in part identification during assembly, see Pages 48-49.

1. Flinger is factory-attached to vertical auger used with vertical powerhead. Flinger for horizontal auger feeding vertical auger must be field-attached. Prepare horizontal auger for use with vertical powerhead by using a cutoff wheel to trim flighting from end of unload auger to make room for flinger. **IMPORTANT:** Ensure end of trimmed flighting is welded to tube. See Fig. 34 for example. Bolt flinger to tube as shown in Figs. 34-35 depending on unload system size.

NOTE: FLINGER SHOULD ONLY BE INSTALLED ON HORIZONTAL UNLOAD AUGER WHEN USED WITH A VERTICAL POWERHEAD.

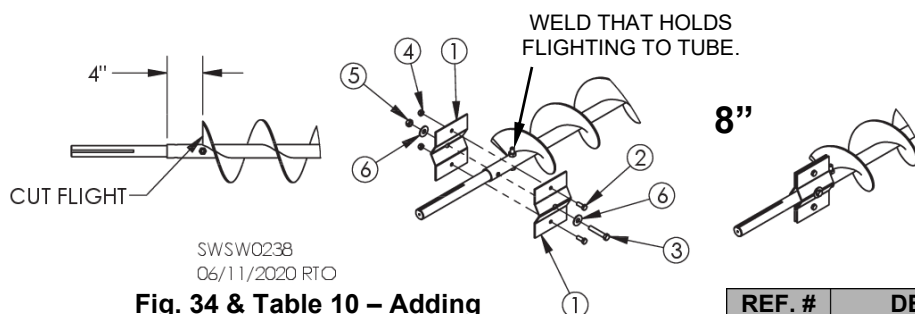


Fig. 34 & Table 10 – Adding flinger to horiz. auger for 8" Sweepway vertical powerhead

REF. #	DESCRIPTION	QTY.	PART #
1	Flinger	2	E54161
2	Screw, 3/8 -16 x 1"	2	J0606
3	Screw, 7/16 -14 x 2-1/2"	1	J0720
4	Lock nut, 3/8" -16	2	J1025
5	Lock nut, 7/16" -14	1	J1034
6	Flat washer, 7/16"	2	J1120

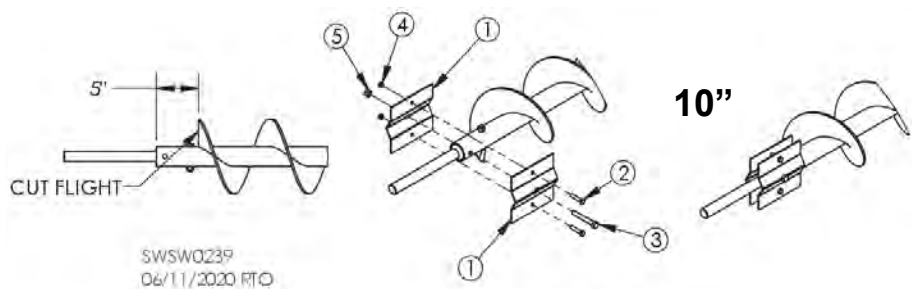


Fig. 35 & Table 11 – Adding flinger to horiz. auger for 10" Sweepway vertical powerhead

REF. #	DESCRIPTION	QTY.	PART #
1	Flinger	2	E5689
2	Screw, 3/8 -16 x 1-3/4"	2	J0645
3	Screw, 1/2 -13 x 3-1/2"	1	J0754
4	Lock nut, 3/8" -16	2	J1025
5	Lock nut, 1/2" -13	1	J1042

2. Slide connector sleeve halfway onto unloading tube. Loosely attach with 3/8 x 3" screws and whiz nuts. See Pages 36-37 for instructions on installation of sump openers.
3. Remove safety shield assembly from vertical powerhead boot.
4. Slide boot into sleeve on under-bin unloading tube so it contacts under-bin unloading tube. Slide unloading auger shaft through flange bearing of boot while sliding tube together. Boot should be tight against under-bin unload tube. Rotate boot to right for installation of vertical auger.
5. Slide second connector sleeve halfway onto vertical tube of boot. Loosely bolt in place with 3/8 x 3" screws and whiz nuts..

Installation

6. Slide vertical auger (double flighting at bottom) through boot so that bottom shaft extends through bearing on bottom of boot. Vertical auger should have a factory installed flinger on upper end.
7. Slide tube over flighting into second connector sleeve so that tube contacts boot. Tighten connector sleeve.
8. Attach third connector sleeve halfway onto top of tube. Loosely bolt in place.
9. Slide top spout over flighting and into connector sleeve while sliding top shaft of auger through top bearing. Ensure spout contacts tube. Rotate spout to desired unloading direction and tighten connector sleeve.
10. Place locking collar over top shaft. Drive 5/16 x 1-1/2" rollpin through hole in shaft just above bearing and collar. Ensure rollpin rests against locking collar. Lock locking collar on flange bearing and tighten setscrew on locking collar.
11. Slide second locking collar onto shaft protruding from bearing end plate (Not shown) at bottom of vertical auger and lock in place on flange bearing. Tighten setscrew.
12. Attach truck spout to top spout using 5/16 x 1" screws and whiz nuts for 8" or 3/8 x 1" screws and whiz nuts for 10".
13. Using crane, raise vertical powerhead into position. Provide temporary blocking under boot. Clamp support brackets around vertical tube.
14. Tighten horizontal connector sleeve.
15. Adjust leveling legs on boot to carry load of vertical powerhead. Remove temporary blocking under powerhead. Ensure vertical powerhead is aligned with unload tube.
16. Using existing bin bolts or 3/8 x 1-3/4" bolts and 3/8" whiz nuts, attach support arms to bin wall. If bin has stiffeners, attach arms to them. (Holes may need to be drilled.) Adjust and secure support arms.
17. Slide locking collar over unloading shaft from horizontal auger. Lock in place on flange bearing. Tighten setscrew.
18. Ensure safety shields are in place and bolts are tight. **NOTE:** Safety shield brackets and inner shields must be installed before pulleys.

Two-Motor Bottom Drive

To aid in part identification during assembly, see Pages 50-51.

1. Follow Steps 1-18 in Vertical Powerhead assembly instructions.
2. Mount motor (motor and motor pulley not included) to horizontal motor mount using four 3/8 x 1-1/2" bolts, lock washers, flat washers and nuts. Motor uses 3.4" motor pulley.
3. Reinstall brackets and inner shield section.
4. Mount large pulley to horizontal shaft. Place 1/4" key in slot of pulley. Align pulley with motor pulley. Tighten setscrews.
5. Install belts provided and tighten to proper tension by adjusting bolt under horizontal motor mount. See belt-adjusting instructions on Page 35.
6. Mount 3.4" motor pulley onto vertical motor. Mount motor to vertical motor mount plate using four 3/8 x 1-1/2" bolts, lock washers, flat washers and nuts
7. Attach motor cover to vertical motor mount using two 3/8" bolts and whiz nuts. Ensure cover is not touching motor.

NOTE: Belt shields for vertical powerhead are attached upside-down at factory to avoid damage during shipping. They must be rotated 180° during field installation.

8. Mount 9" pulley onto bottom vertical shaft. Place 1/4" key in slot of pulley. Align with motor pulley and tighten setscrews.
9. Attach belts to pulleys and adjust to proper tension. See belt-adjusting instructions on Page 35.
10. Ensure all safety shields are in place and bolts are tight.

Top Drive

To aid in part identification during assembly, see Pages 52-56.

1. Prepare unload auger as shown on Page 30.
2. Slide first of three connector sleeves halfway onto horizontal unloading tube. Loosely attach using 3/8 x 3" screws and whiz nuts.
3. Remove safety shields and shield brackets from vertical powerhead boot.
4. Slide boot into sleeve so it contacts under-bin unload auger. Slide unloading auger shaft through flange bearing of boot while sliding tube together. Boot should be tight against under-bin unload tube. Rotate boot to right for installation of vertical auger.
5. Slide second connector sleeve halfway onto vertical tube of boot. Loosely attach using 3/8 x 3" screws and whiz nuts.
6. Slide vertical auger (double flighting at bottom) into boot so that bottom shaft extends through bearing on bottom of boot. Vertical auger should have a factory installed flinger on upper end.
7. Slide tube over flighting into second connector sleeve so tube contacts boot. Tighten sleeve.
8. Attach third connector sleeve to top of tube in same manner as previous connector sleeves. Loosely bolt in place.
9. Slide top spout into third connector sleeve and over flighting while sliding auger shaft through top bearing. Ensure that top spout is against tube. Rotate spout to desired unloading direction and tighten third connector sleeve.
10. Place locking collar over top shaft. Add spacer. Mount pulley to shaft. Drive 5/16 x 1-1/2" rollpin through hole in shaft just above pulley. Ensure rollpin rests against pulley. Lock locking collar in place on flange bearing. Tighten setscrew.
11. Slide second locking collar onto shaft protruding from bottom bearing end plate (Not shown) of vertical auger and lock in place on flange bearing. Tighten setscrew.
12. Attach truck spout to top spout using 5/16 x 1" screws and whiz nuts for 8" or 3/8 x 1" screws and whiz nuts for 10".
13. Using existing bin bolts or 3/8 x 1-3/4" bolts and 3/8" whiz nuts, attach support arms to bin. If bin has stiffeners, attach arms to them. Holes may need to be field-drilled.
14. Using crane, raise vertical powerhead into position. Provide temporary blocking under boot. Clamp support brackets around vertical tube.
15. Tighten horizontal connector sleeve.
16. Adjust leveling legs on boot to carry load of powerhead boot. Remove temporary blocking under powerhead. Ensure powerhead boot is aligned with unload tube.
17. Adjust and secure support arms.
18. Slide third locking collar over unloading shaft from bearing. Tighten setscrew.
19. Remove motor mount and attach motor using four 3/8 x 1-1/2" bolts, flat washers and lock washers. Re-attach motor mount.
20. Re-attach safety shield brackets and inner shields.
21. Align pulley with motor pulley. Insert 1/4" key in key slot and tighten setscrew.
22. Place belts onto pulleys and tighten using motor mount adjustment bolt. See belt-adjusting instructions on Page 35.
23. Replace outer sections of safety shields. Make sure all safety decals have been installed and are legible.

Incline

To aid in part identification during assembly, see Pages 58-62.

Remove U-joint cover from incline. See Fig. 36.

Remove two bolts attaching auger shaft to unload auger. Remove shaft. Save bolts for reuse. Pull auger out of unload tube slightly.

Attach sleeve mount adapter to incline. Loosely attach connector sleeve to adapter. Slide whole assembly together, making sure that shaft in incline goes into unload auger. Secure with previously removed hardware. Tighten bolts on sleeve mount.

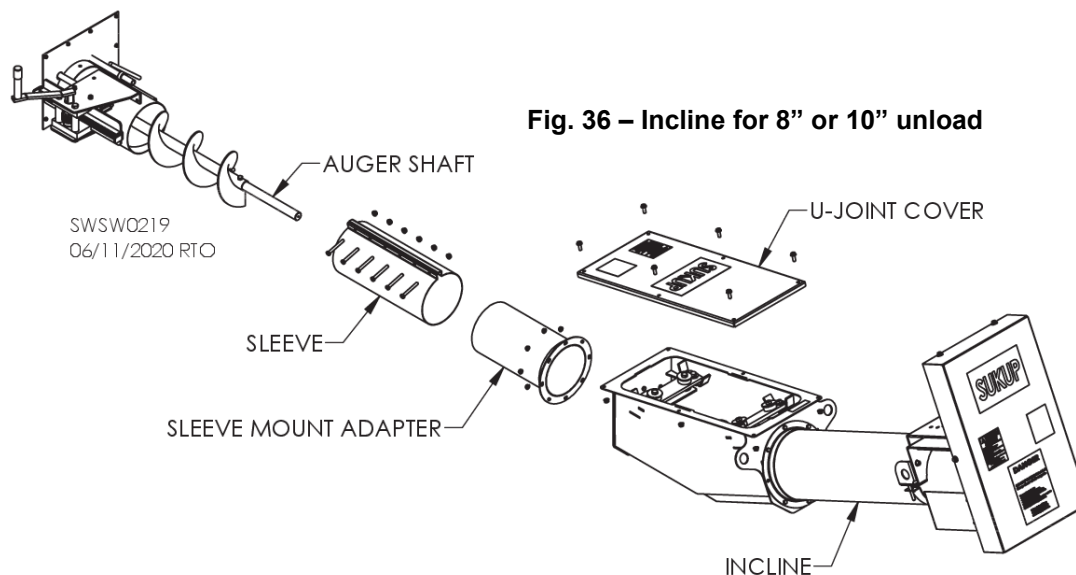


Fig. 36 – Incline for 8” or 10” unload

Attach support brackets to bin, bolting them to hills of third sheet from bottom and positioned so that incline will be centered between them. See Fig. 37.

Attach chain to each side of incline by looping through support bracket. See Fig. 38. Attach turnbuckles to brackets and attach chains to turnbuckles. Tighten them to support incline.

Remove outer belt shield. Install pulley and belts. See Page 35 to tighten belts. Reinstall outer belt shield.

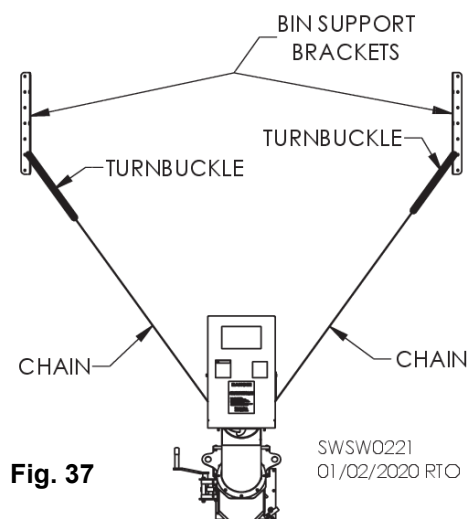


Fig. 37

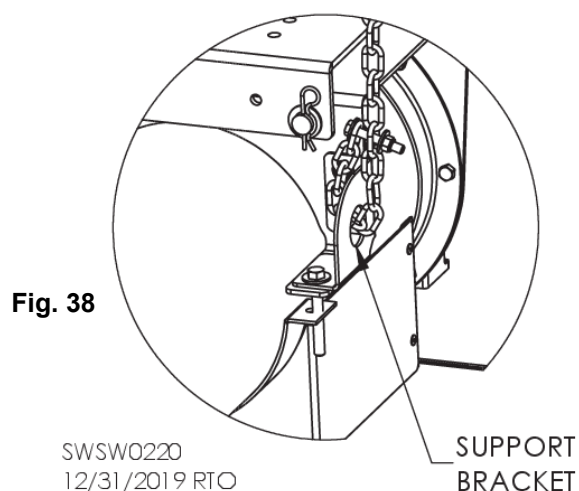


Fig. 38

ADJUSTING BELT TENSION

Place belt(s) in sheave grooves and tighten by adjusting motor mount. Follow these steps to tension belt.

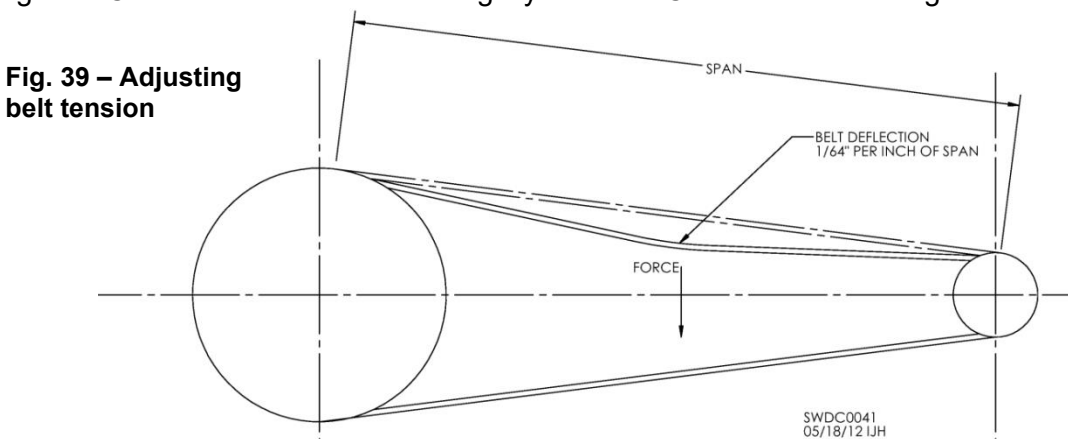
1. Measure span length. See Fig. 39.
2. At center of span, apply enough force to deflect belt 1/64" for every 1" of belt span. If span is 32", deflection amount should be 32/64", or 1/2".
3. Use Table 12 to determine amount of force to apply to gauge proper deflection per belt.

Belt Cross Section	Smallest Pulley Diameter Range	RPM Range	Belt Deflection Setting			
			Deflection = 1/64 of belt span			
			Uncogged Single V-Belts & Uncogged Banded V-Belts		Cogged V-Belts & Cogged Banded V-Belts	
			Used Belt	New Belt	Used Belt	New Belt
A, AX	3.0 – 3.6"	1,000 – 2,500	3.6	5.4	4.0	6.0
		2,501 – 4,000	2.8	4.1	3.3	4.9
	3.8 – 4.8"	1,000 – 2,500	4.4	6.6	4.9	7.3
		2,501 – 4,000	3.7	5.7	4.3	6.4
	5.0 – 7.0"	1,000 – 2,500	5.3	7.8	5.7	9.2
		2,501 – 4,000	4.6	6.8	5.1	7.6
B, BX	3.4 – 4.2"	860 – 2,500	---	---	4.8	7.2
		2,501 – 4,000	---	---	4.1	6.2
	4.4 – 5.6"	860 – 2,500	5.2	7.9	7.1	10.5
		2,501 – 4,000	4.5	6.6	7.1	9.1
	5.8 – 8.6"	860 – 2,500	6.2	9.4	8.4	12.4
		2,501 – 4,000	6.0	6.8	7.3	10.7
5V, 5VX	4.4 – 6.7"	500 – 1,749	---	---	10	15.2
		1,750 – 3,000	---	---	8.9	13.2
		3001 – 4000	---	---	5.6	8.5
	7.1 – 10.9"	500 – 1,740	12.6	18.9	14.8	22.1
		1,741 – 3,000	11.2	16.5	13.7	20.1
	11.8 – 16.0"	500 – 1,740	15.5	23.4	17.1	25.5
		1,741 – 3,000	14.5	21.8	16.8	25

Table 12 – Belt deflection settings for Bestorq belts

Sukup products use belts made by Bestorq. Sukup recommends using a Bestorq tension meter to measure belt deflection. Go to www.bestorq.com or call (402) 423-3077 for more information.

After adjusting tension to desired level by adjusting motor mount, remove any foreign material from inside of belt guard. Check that all fasteners are tightly secured. Close and latch belt guard.



IMPORTANT: Check and adjust belt tension after first five (5) and 24 hours of operation, then during regular maintenance (at least twice yearly).

SUMP OPENER FOR 8" & 10" SWEEPWAY

1. Prepare center sump connector (8" or 10") by installing three spacers using two 3/8" clamping bolts as shown in Fig. 40. Note orientations of spacers. Do not tighten yet.
2. Pull center sump pull rod out about 5", then slide center sump connector over center sump pull rod with 1/2" shaft collar in notch of connector bracket.
3. Tighten clamping bolts until there is about 1/16" gap between connector bracket and spacers. Bracket will begin to form to pull rod. Do not fully tighten yet.
4. Move pull rods to fully closed position.

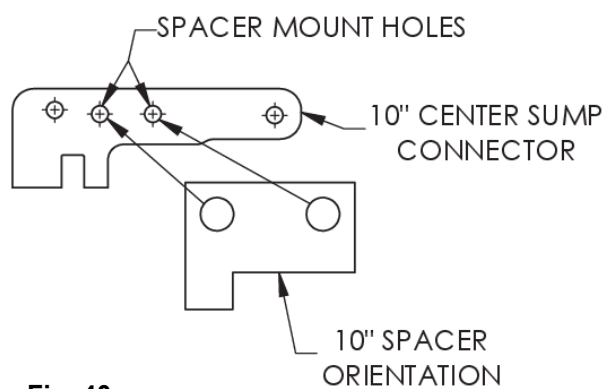
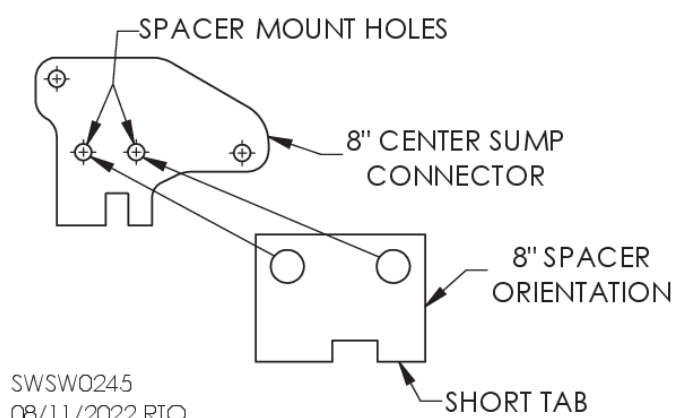
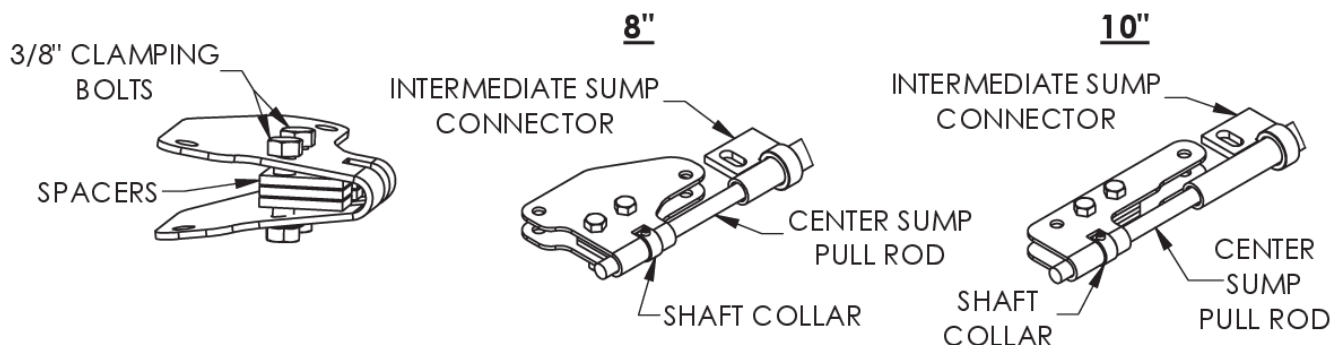


Fig. 40



5. Bolt opener assembly to band clamp after centering connector sleeve on unload tube joint. For 8" system, attach opener assembly to connector sleeve using bolts farthest from bin wall. For 10", use bolts closest to bin wall. See Fig. 41.

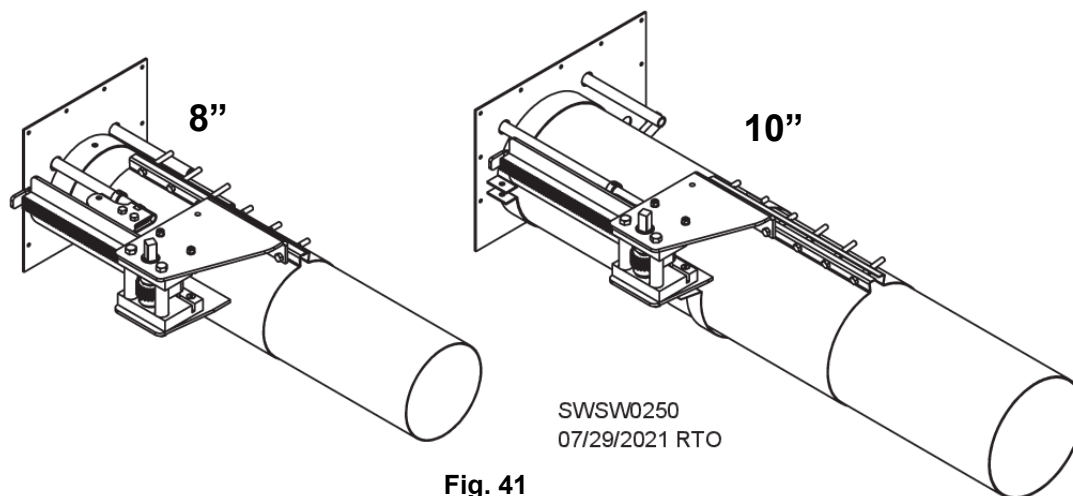
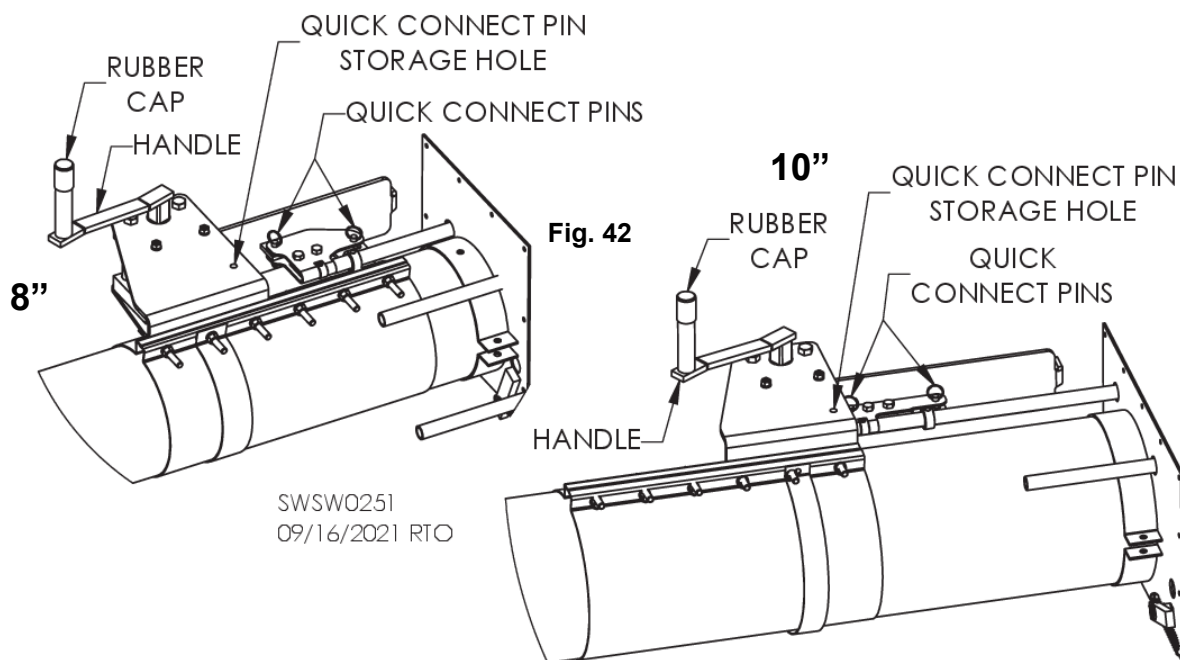


Fig. 41

Installation

6. Insert quick-connect pins to connect rack & pinion opener and intermediate sump connector. See Fig. 42.
7. Tighten shaft collar.
8. Make sure center sump connector is positioned with equal space between tabs on rack & pinion opener and intermediate sump connector.
9. Tighten clamping bolts to secure in place.
10. Install handle and rubber cap. See Fig. 42.
11. Use handle on opener to make sure sumps open and close completely. Adjust as necessary.
12. Remove quick-connect pin that connects opener to intermediate sump pull rod. Place pin in storage hole.



OPERATING INSTRUCTIONS

IMPORTANT: Verify that bin and foundation are designed for sweeping with this equipment.

Sukup grain bins are designed with anchors that allow sweeping of entire diameter of bin with Sukup power sweeps. However, older Sukup bins (sold before 2015) that are 72' dia. or larger and do not have two anchors per stiffener are not. Additional anchor brackets can be purchased from Sukup Manufacturing Co. and retrofitted. Foundations of such bins must also be verified as suitable.

Bins by other manufacturers may be swept using this equipment provided concrete and anchors have been inspected and found suitable. (Contact bin manufacturer for further information).



DANGER: KEEP AWAY when auger is running. Entanglement with rotating auger will cause death or serious injury.

NOTICE: If bin is equipped with a Cluster Buster, ensure neither rod nor cable is in torsion bar. If bin is equipped with a sidedraw, do not use at same time sumps are being used to unload grain.

1. Start horizontal (and vertical if applicable) unload auger(s). If not done already, remove quick-connect pin that connects rack & pinion opener to intermediate sump pull rod. See Fig. 43. Turn handle clockwise to open center sump. Unload grain from only center sump until gravity flow stops.
2. Turn handle counterclockwise to close center sump and then insert/replace quick-connect pin for intermediate sumps. Turn handle clockwise to open center and intermediate sumps, allowing additional gravity flow into unloading auger. If bin has an independent intermediate sump, open it by pulling rod shown in Fig. 43.
3. When grain flow stops, shut off power to system. Engage sweep auger by pulling clutch rod.

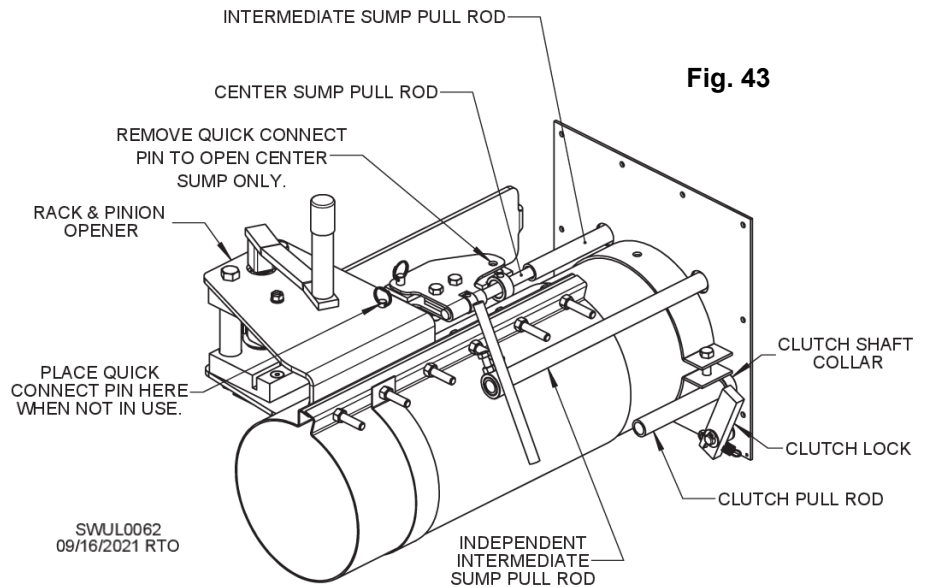


Fig. 43

NOTICE: Power must be shut off before engaging sweep auger to prevent damage to clutch assembly.

4. Turn on power. Center sump slide gate must remain **FULLY** open and sweep stop must be deployed while sweep auger is operating. Remove remaining grain, making sure to reposition stop before each revolution. **NOTICE:** Leave bottom panel of inner bin door closed when running sweep to avoid possible damage to sweep wheel and/or door.



DANGER: When bin is nearly empty, sweep auger will travel at an increasingly fast speed. Keep away from auger to avoid entanglement, which will result in death or serious injury.

5. Close sumps and place sweep just behind intermediate sumps.

NOTE: If a slower flow of grain is desired, (e.g., grinding) a larger driven pulley (12" comes standard) should be used on unload auger. (14" pulley available from Sukup Manufacturing Co.)

TROUBLESHOOTING GUIDE

PROBLEM	REASON	SOLUTION
1. Sweep is not moving around bin.	Scraper too close to floor.	Raise scrapers up.
	Bent edge is down by floor.	Turn scraper around so sharp edge is at bottom.
	Obstacles may be hindering forward movement.	Check for any obstacles that scraper could be catching on. May need to raise scraper.
2. Sweep is not filling unload auger to capacity.	Sweep is not going fast enough.	Increase 10" sweep auger capacity 15% by increasing size of lower gearbox 13-tooth sprocket to a 15-tooth sprocket, (Kit E7987). Increase 8" sweep auger capacity 20% by increasing size of lower gearbox 12-tooth sprocket to a 15-tooth sprocket, (Kit E7986).
3. Drive chain breaking.	Grain piling in center of bin.	Make sure center sump gate is fully open.
4. Connector link coming off.	Connector link is on backwards.	Connector link clip needs to have closed end leading chain around.

LUBRICATION

Gearboxes should be checked every time bin is empty. Check plugs are on back of gearboxes. Gearboxes should be about half full. Add grease to top bearing through zerk on top of each sump gearbox. Factory oil used in gearboxes is Shell S2 GX 680. Grease roller chain on top gearbox every time bin is empty.

Factory grease for chain inside 16:1 drive wheel gearbox is Shell S3 V220C 2 red lithium. Add two to three pumps once a year.

Inspect drive chain in center sump every time bin is empty to ensure it is tight, lubricated, and in good condition. Use a high-viscosity multipurpose lithium grease.

TIGHTENING DRIVE CHAIN

To tighten drive chain, loosen bearing plate nuts and tighten tension nut. See Fig. 44 for standard sump, or Fig. 45 for heavy-duty sump. Retighten bearing plate nuts when done. Replace chain if worn.

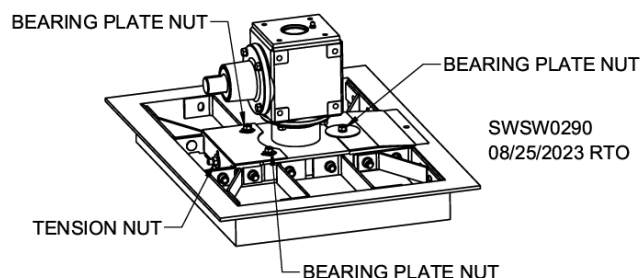


Fig. 44 – Tightening chain on standard sump

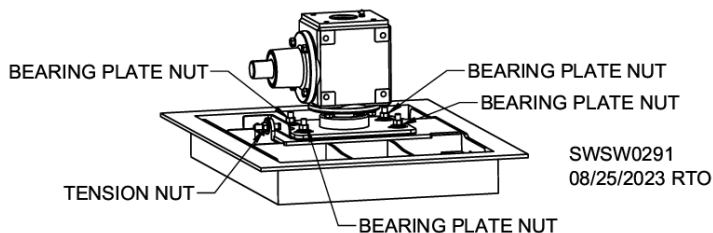
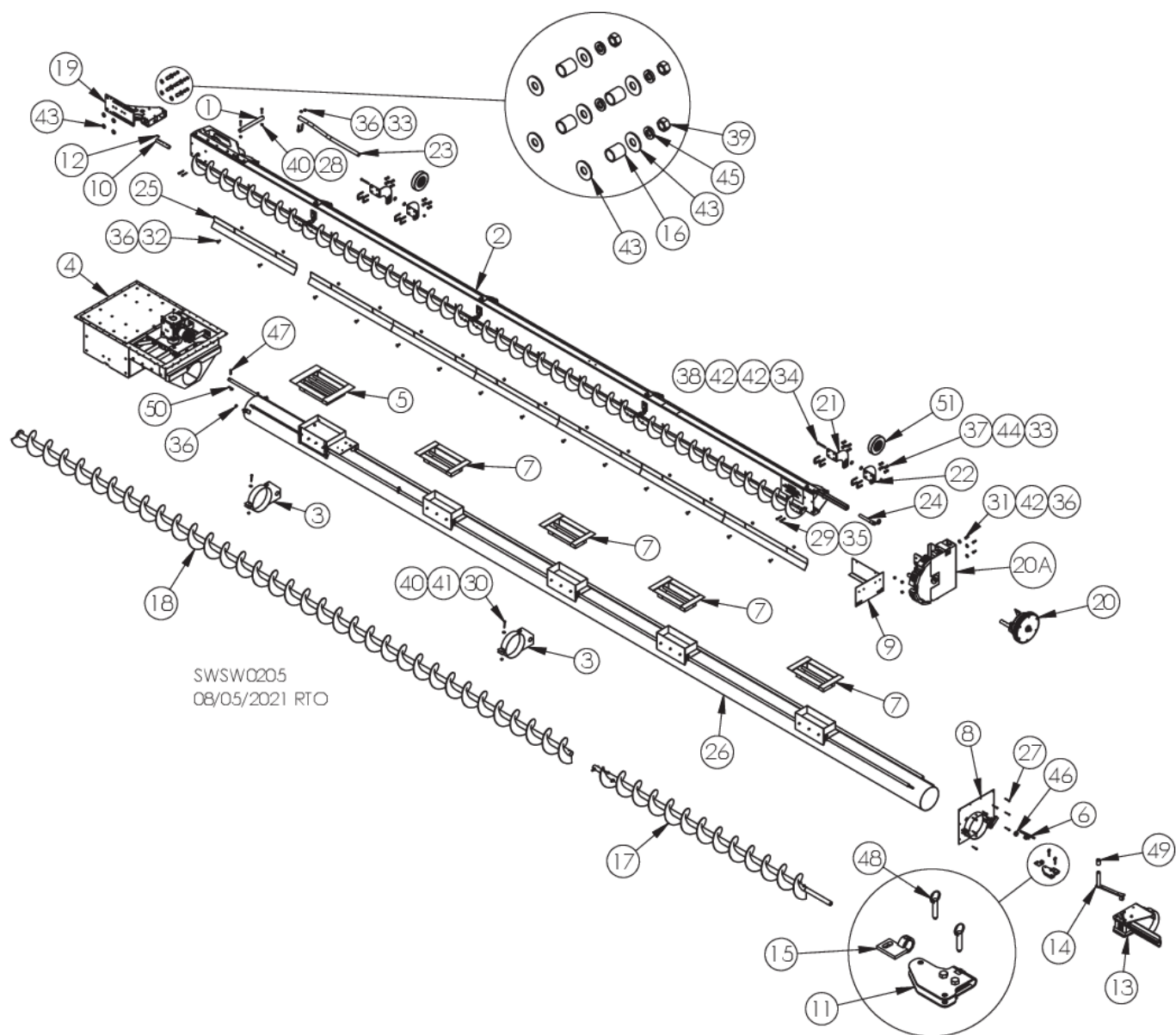


Fig. 45 – Tightening chain on heavy-duty sump

PARTS/ASSEMBLIES

8" & 10" SWEEPWAY

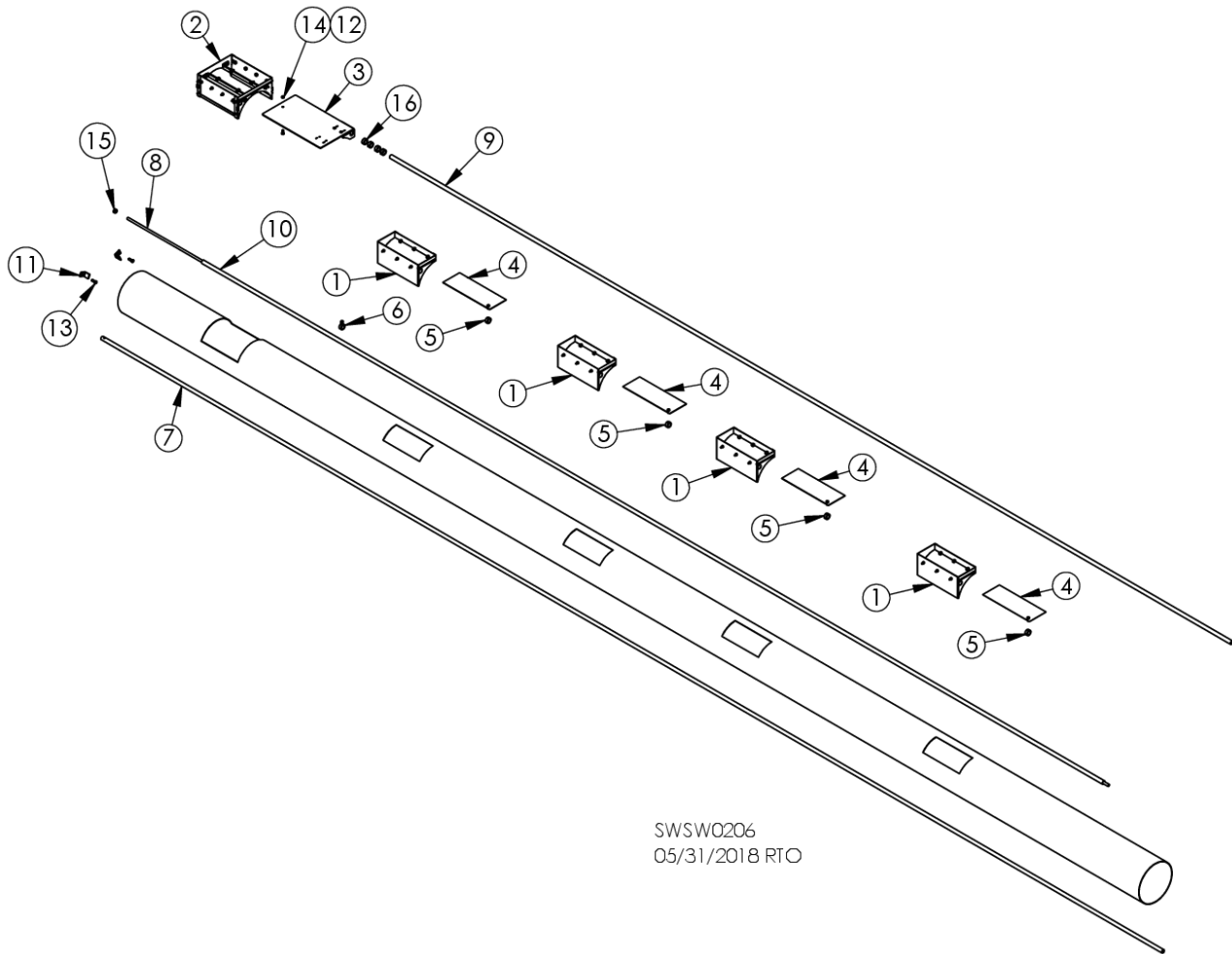


8" & 10" SWEEPWAY

REF. #	DESCRIPTION	QTY.	8" PART #	10" PART #
1	Backboard pivot rod	1	E0107	E0107
2	Auger/backboard assy.	1	*	*
3	Clutch rod support clamp	2	E5364	E53162
4	Sump & gearbox assy.	1	E53878	E53341
5	Independent intermediate sump top	1	E53989	E53964
6	Independent intermediate sump pull rod handle	1	E5404	E5404
7	Intermediate sump top	*	E5410	E5411
8	Bin collar w/ clutch lock assy.	1	E5462	E5362
9	Sweep stop	1	E5514	E5514
10	Drive shaft	1	E59051	EU8210
11	Center sump connector kit	1	E59141	E59971
12	Key, 1/4" x 1"	1	E5915	E5915
13	Rack & pinion opener assy.	1	E5919	E5969
14	Opener handle	1	E5967	E5967
15	Intermediate sump connector	1	E5998	E5998
16	Spacer	4	E6014	E60143
17	Unload auger, outer	1	*	*
18	Unload auger inner, 8" x 20'	*	E6472	E6497
19	Backboard mount	1	E69772	E69772
20	Reduction drive wheel assy., 4:1	1	E6092	NA
20A	Reduction drive wheel assy., 16:1, green poly	1	E7438	E7430
	Reduction drive wheel assy., 16:1, black rubber	1	E7438P	E7430P
21	Rear carrier wheel bracket, right	2	E7740	E7740
22	Rear carrier wheel bracket, left	2	E7741	E7741
23	Cluster Buster tube	1	E79681	E79681
24	Cluster Buster plug/rod assy.	1	E7985	E7985
25	Scraper, 36"	*	E8430	E8430
26	Unload tube assy.	1	*	*
27	Screw, 1/4 – 14 x 1-3/4", self-drill	8	J04981	J04981
28	Screw, 5/16 – 18 x 1-1/2"	2	J0565	J0565
29	Screw, 5/16 – 18 x 1-3/4"	4	J0570	J0570
30	Screw, 5/16 – 18 x 2", self-drill	4	J0584	J0584
31	Screw, 3/8 – 16 x 1"	3	J0606	J0606
32	Carriage bolt, 3/8" x 1"	*	J06064	J06064
33	U-bolt, 3/8 – 16 x 1-1/4"	*	J0644	J0644
34	Screw, 3/8 – 16 x 3"	*	J0661	J0661
35	Lock nut, 5/16" – 18	4	J1010	J1010
36	Whiz nut, 3/8" - 16	*	J1017	J1017
37	Hex nut, 3/8" – 16	*	J1020	J1020
38	Lock nut, 3/8" – 16	*	J1025	J1025
39	Hex nut, 7/16" – 14	4	J1035	J1035
40	Whiz nut, 5/16" - 18	6	J1110	J1110
41	Flat washer, 5/16"	4	J1111	J1111
42	Flat washer, 3/8"	7	J1117	J1117
43	Flat washer, 7/16"	12	J1120	J1120
44	Lock washer, 3/8"	*	J1205	J1205
45	Split lock washer, 7/16"	4	J1210	J1210
46	Shaft collar, 7/8", (2x738)	1	J1330	J1330
47	Picker pin, 3/8" x 1-1/2"	1	J1541	J1541
48	Quick release pin, 3/8" x 1"	2	J1554	J1554
49	Rubber cap, 1"	1	J2232	J2232
50	Hairpin clip, .09 x 2"	1	J5410	J5410
51	Rubber wheel, 6", 3/8" ID, w/ bushing	*	J7271	J7271

***Varies with bin size**

UNLOAD TUBE

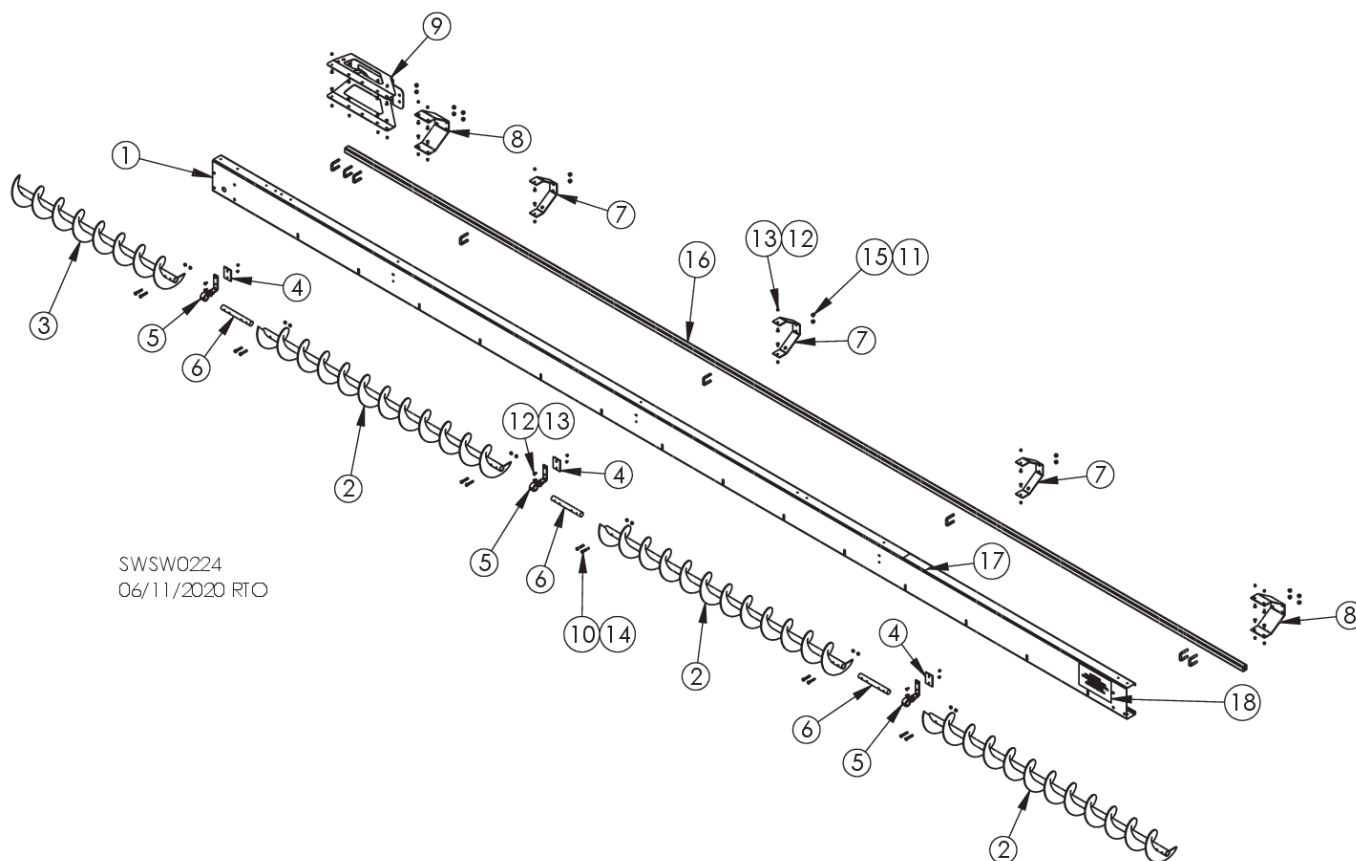


SWSW0206
05/31/2018 RTO

REF. #	DESCRIPTION	QTY.	8" PART #	10" PART #
1	Intermediate sump, w/ rollers	*	E5398	E5395
2	Independent int. sump	1	E53981	E53951
3	Independent int. sump slide gate assy.	1	E53987	E53963
4	Intermediate sump slide gate assy.	*	E5409	E5409
5	Shaft collar, 7/8", no set screw	*	E5448	E5448
6	Shaft collar, 7/8", w/ bolt	1	E5449	E5449
7	Clutch rod	1	*	*
8	Center sump pull rod	1	*	*
9	Independent intermediate sump pull rod	1	*	*
10	Intermediate sump pull rod	1	*	*
11	Tab, 1-1/2" x 1"	2	F4415-01	F4415-01
12	Screw, 5/16 – 18 x 3/4"	*	J0520	J0520
13	Screw, 3/8 – 16 x 1"	*	J0606	J0606
14	Lock nut, 5/16" – 18	*	J1010	J1010
15	Hex nut, 1/2" – 13	*	J1040	J1040
16	Shaft collar, 7/8"	*	J1330	J1330

*Varies with bin size

8" BACKBOARD



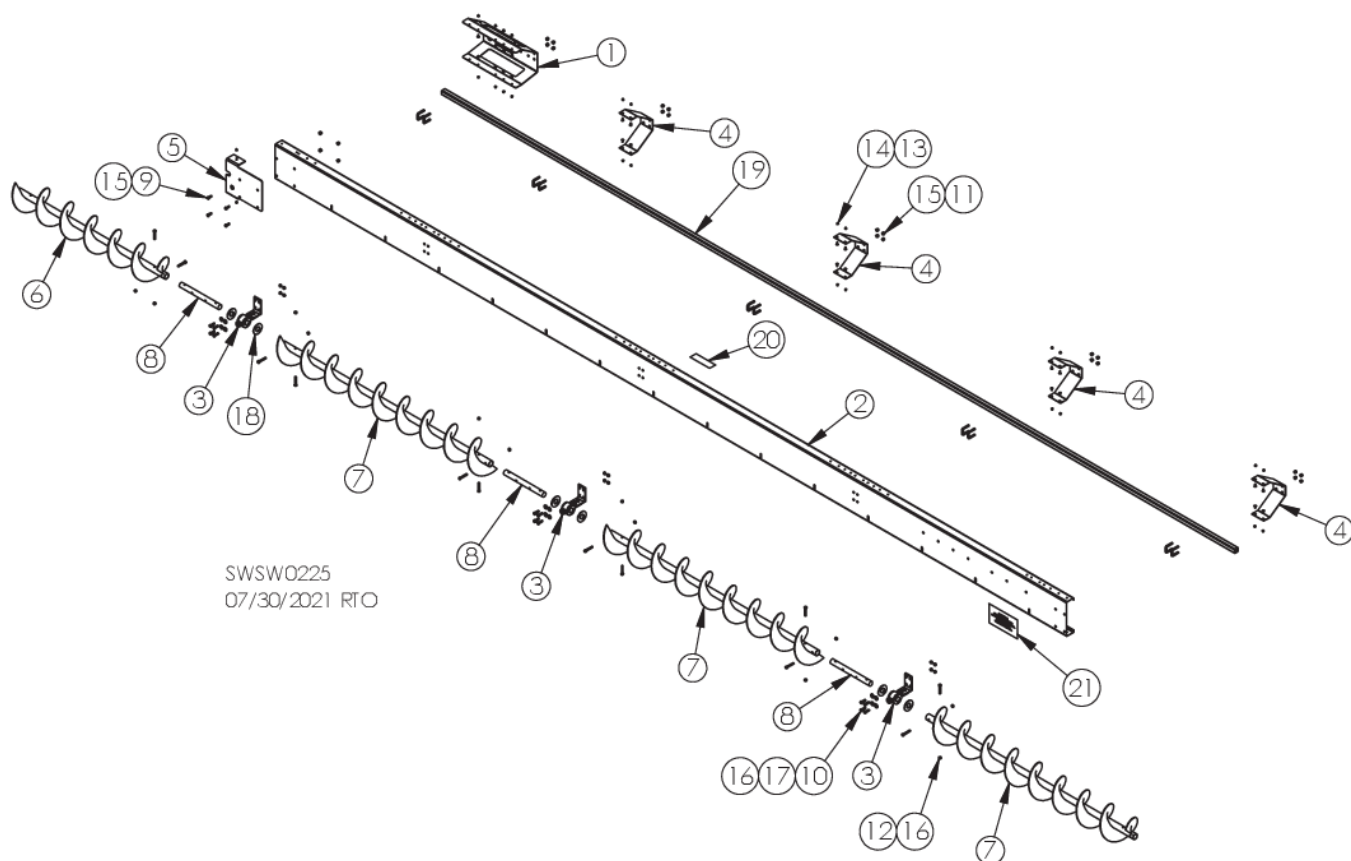
SWSW0224
06/11/2020 RTO

REF. #	DESCRIPTION	QTY.	PART #
1	Backboard	1	*
2	Auger	*	**
3	Inner auger	*	**
4	Bearing support spacer	*	E60632
5	Auger support bushing assy.	*	E60901
6	Auger connector shaft, 1" OD, 8-1/2" long	*	E6704-03
7	Torsion bar bracket	*	E6791
8	Torsion bar bracket, split	*	E6792
9	Torsion bar pivot bracket	1	E69771
10	Screw, 5/16 – 18 x 1-3/4"	*	J0570
11	Square U-bolt, 3/8" - 16	*	J0644
12	Huckbolt, 1/4" x 5/8"	*	J0892
13	Huckbolt sleeve, 1/4"	*	J0893
14	Lock nut, 5/16" – 18	*	J1010
15	Lock nut, 3/8" – 16	*	J1024
16	Tubing, 1-1/4" sq.	*	*
17	Decal, Danger, Auger Running	1	L03061
18	Decal, Important: 3/8" dia. bolts	1	L0919

*Varies with bin size

**See table on Page 86

10" BACKBOARD

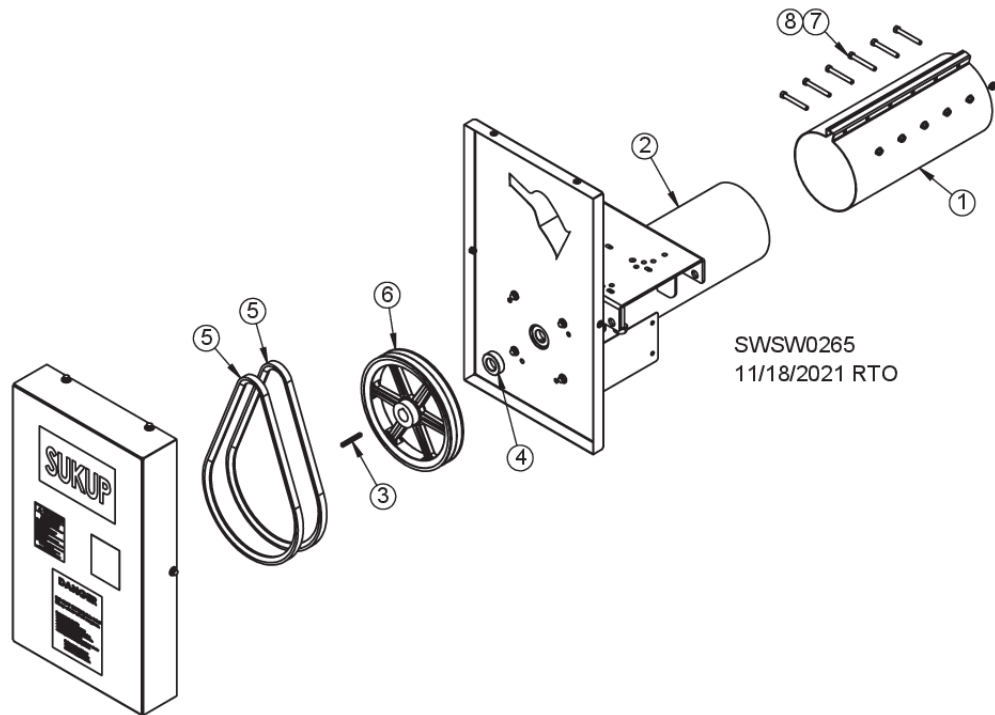


REF. #	DESCRIPTION	QTY.	PART #
1	Torsion bar pivot bracket	1	E0104
2	Backboard	1	*
3	Auger support bushing assy.	*	E60917
4	Torsion bar bracket, split	*	E6789
5	Backboard pivot mount	1	EU8200
6	Auger	1	**
7	Auger	*	**
8	Auger connector shaft, 1-1/4" OD, 13" long	*	EU9044
9	Screw, 3/8 - 16 x 1"	4	J0606
10	Bolt, 3/8 - 16 x 1-1/4"	*	J0616
11	Square U-bolt, 3/8" - 16	*	J0644
12	Screw, 3/8 - 16 x 2-1/4"	*	J0652
13	Huckbolt, 1/4" x 5/8"	*	J0892
14	Huckbolt sleeve, 1/4"	*	J0893
15	Lock nut, 3/8" - 16, nylon	*	J1024
16	Lock nut, 3/8" - 16	*	J1025
17	Flat washer, 3/8"	*	J1117
18	Flat washer, 1-1/8"	*	J1157
19	Tubing, 1-1/4" sq.	*	*
20	Decal, Danger, Auger Running	1	L03061
21	Decal, Important: 3/8" dia. bolts	1	L0919

*Varies with bin size

**See table on Page 86

HORIZONTAL POWERHEAD



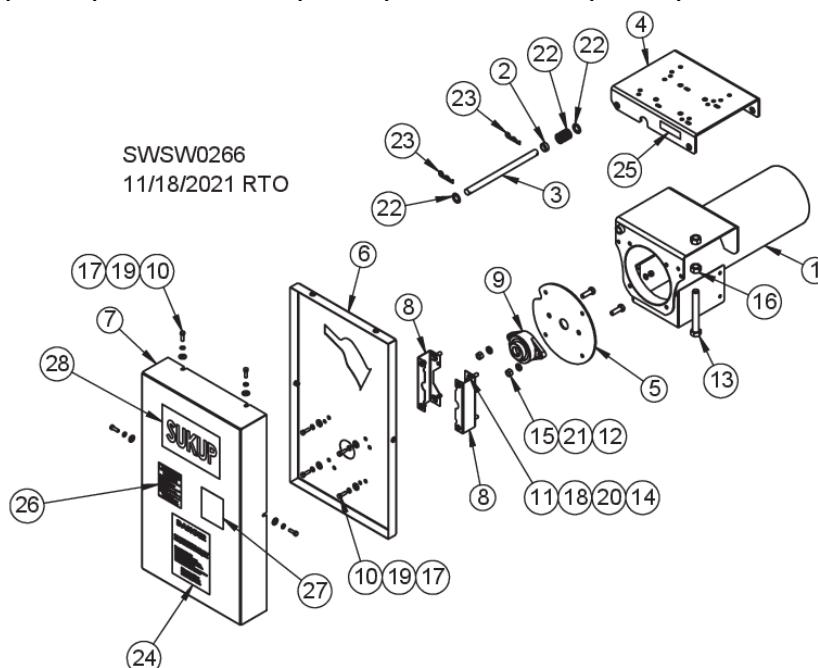
SWSW0265
11/18/2021 RTO

REF.#	DESCRIPTION	QTY.	8" 2-BLT E5591	8" 3-BLT E55911	10" 2-BLT E5592	10" 3-BLT E55921
1	Connector sleeve, 18"	1	E5424	E5424	E5425	E5425
2	Powerhead w/ shield, bearing & motor mount	1	E5601	E56011	E5602	E56021
3	Key, 1/4" sq. x 2-1/2"	1	E5720	E5720	E5720	E5720
4	Locking collar, 1-1/4"	1	J0068	J0068	J0068	J0068
5	Belt, BX48	2	J0220	----	----	----
	Belt, BX50	2	----	----	J0224	----
	Belt, BX52	3	----	J0227	----	J0227
6	Pulley, 12 x 1-1/4", double, B	1	J0385	----	J0385	----
	Pulley, 11", 3B110SK	1	----	J0379*	----	J0379*
7	Screw, 3/8 - 16 x 3"	6	J0660	J0660	J0660	J0660
8	Whiz nut, 3/8" - 16	6	J1017	J1017	J1017	J1017

*Requires J0410 bushing (not shown)

HORIZONTAL POWERHEAD

E5601 – 8" (2-Belt); E56011 – 8" (3-Belt); E5602 – 10" (2-Belt); E56021 – 10" (3-Belt)

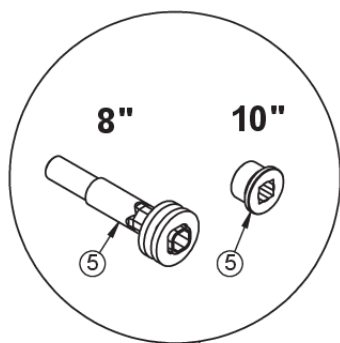


REF.#	DESCRIPTION	QTY.	8" 2-BLT	8" 3-BLT	10" 2-BLT	10" 3-BLT
1	Powerhead housing	1	E5568	E5568	E5569	E5569
2	Spacer, 3/8"	1**	E5739	E5739	E5739	E5739
3	Pivot rod	1	E5744	E57441	E5744	E57441
4	Motor mount	1	E5746	E5765	E5746	E5765
5	Bearing plate	1	E5776	E5776	E5659	E5659
6	Inner shield	1	E5972	E5972	E5972	E5972
7	Outer shield	1	E5973	E5973	E5973	E5973
8	Shield bracket	2	E9316	E9316	E5974	E5974
9	Flange bearing, 1-1/4", w/ lock collar	1	J0010	J0010	J0010	J0010
10	Screw, 5/16 – 18 x 1"	8	J0527	J0527	J0527	J0527
11	Screw, 3/8 – 16 x 1-1/4"	4	J0616	J0616	J0616	J0616
12	Screw, 1/2 – 13 x 1-1/2"	2	J0730	J0730	J0730	J0730
13	Screw, 3/4 - 10 x 6"	1	J0824	J0824	J0824	J0824
14	Nut, 3/8" – 16	4	J1020	J1020	J1020	J1020
15	Nut, 1/2" – 13	2	J1040	J1040	J1040	J1040
16	Nut, 3/4" - 10	1	J1051	J1051	J1051	J1051
17	Flat washer, 5/16"	8	J1111	J1111	J1111	J1111
18	Flat washer, 3/8"	4	J1117	J1117	J1117	J1117
19	Split lock washer, 5/16"	8	J1200	J1200	J1200	J1200
20	Lock washer, 3/8"	4	J1205	J1205	J1205	J1205
21	Lock washer, 1/2"	2	J1215	J1215	J1215	J1215
22	Machine bushing, 3/4 x 1-1/4", 14ga	As needed	J1260	J1260	J1260	J1260
23	Hairpin clip, .120 x 2-1/2"	2	J5412	J5412	J5412	J5412
24	Decal, Danger, Do Not Enter Bin	1	L0258A	L0258A	L0258A	L0258A
25	Decal, Danger, Replace Shield	1	L0271	L0271	L0271	L0271
26	Decal, Caution, safety instructions	1	L0281	L0281	L0281	L0281
27	Decal, Warning, Keep Away ...	1	L0284	L0284	L0284	L0284
28	Sukup logo	1	L03161	L03161	L03161	L03161

*Also needs a 2.438" spacer (E5740, not shown) for 8" & 10" 3-belt

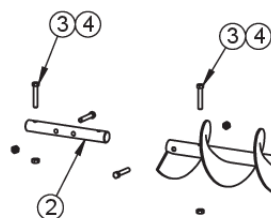
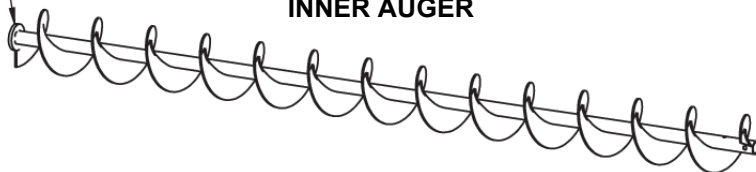
**QTY. 2 for 8" 3-belt & 10" 2-belt. QTY. 4 for 10" 3-belt.

UNDER-BIN UNLOAD AUGER



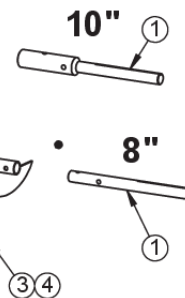
REF. #	DESCRIPTION	QTY.	8"	10"
1	Shaft, 1-1/4 x 15-3/4", w/ key	1	E54151	--
	Shaft, 2 x 18", w/ key	1	--	E54142
2	Connecting shaft, 1-1/4 x 10-1/4"	1	G91421	--
	Connecting shaft, 2 x 14-1/4"	1	--	F48412
3	Screw, 7/16 - 14 x 2-1/2"	6	J0720	--
	Screw, 1/2 - 13 x 3"	6	--	J0750
4	Lock nut, 7/16" - 14	6	J1034	--
	Lock nut, 1/2" - 13	6	--	J1042
5	Square connector	1	E6401	E5417

INNER AUGER

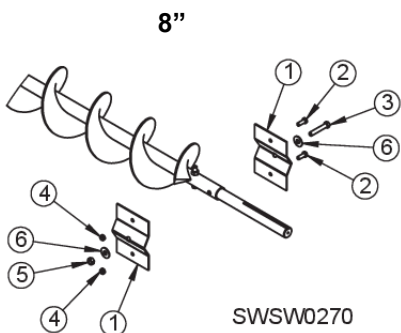


OUTER AUGER

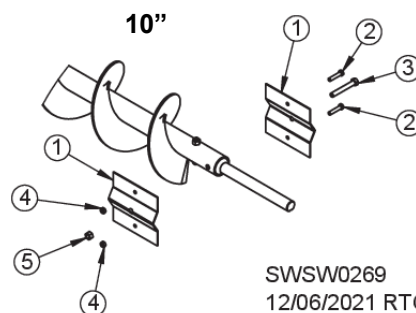
SWSW0268
12/03/2021 RTO



FLINGER ATTACHMENT



SWSW0270
12/06/2021 RTO



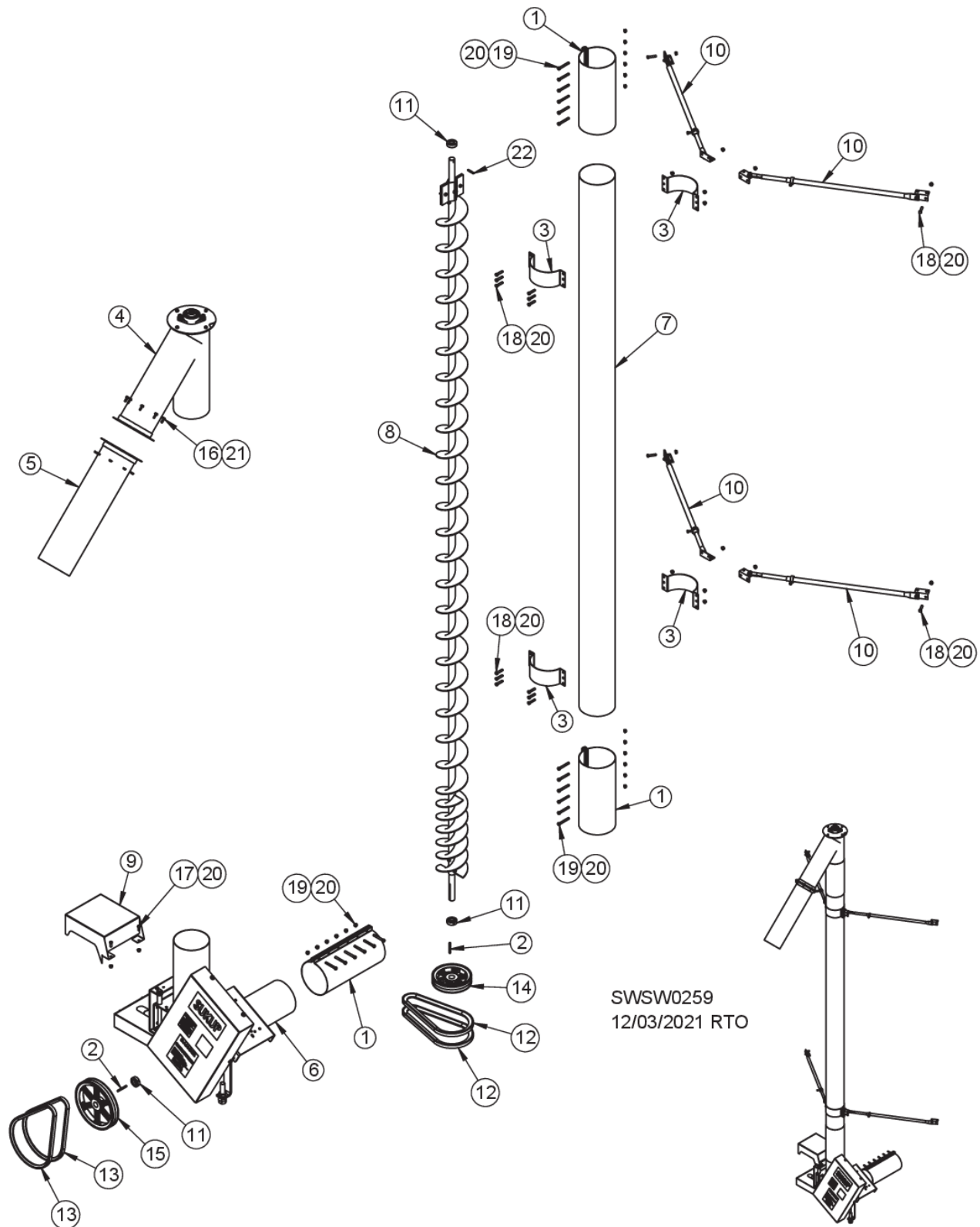
SWSW0269
12/06/2021 RTO

REF. #	DESCRIPTION	QTY.	PART #
1	Flinger*	2	E54161
2	Screw, 3/8 -16 x 1"*	2	J0606
3	Screw, 7/16 -14 x 2-1/2"	1	J0720
4	Lock nut, 3/8" -16*	2	J1025
5	Lock nut, 7/16" -14	1	J1034
6	Flat washer, 7/16"	2	J1120

REF. #	DESCRIPTION	QTY.	PART #
1	Flinger*	2	E5689
2	Screw, 3/8 -16 x 1-3/4"*	2	J0606
3	Screw, 1/2 -13 x 3-1/2"*	1	J0754
4	Lock nut, 3/8" -16*	2	J1025
5	Lock nut, 1/2" - 13	1	J1042

*Flinger & hardware used on unload auger only when used w/ vertical powerhead
See Page 85 for unload auger flighting, complete w/ shafts & hardware

BOTTOM DRIVE VERTICAL POWERHEAD



BOTTOM DRIVE VERTICAL POWERHEAD

REF. #	DESCRIPTION	QTY.	8" PART #	10" PART #
1	Connector sleeve, 18"	3	E5424	E5425
2	Key, 1/4" sq. x 2-3/4"	2	E5721	E5721
3	Half band	4*	E57941	E57961
4	Top spout	1	E5813	E5785
5	Truck spout, 30"	1	E5815	E5787
6	Vertical boot, 2 belt	1	E5817	E5782
	Vertical boot, 3 belt	1	E58174	E5782
7	Auger tube, 16' vertical	1	E5843	E57842
	Auger tube, 20' vertical	1	F4915	E57843
8	Vertical flighting, 16'	1	E5847	E57833
	Vertical flighting, 20'	1	E58541	E57837
9	Motor cover	1	E59761	E59761
10	Support arm assy., 30"	4*	F47901	F47901
11	Locking collar, 1-1/4"	3	J0068	J0068
12	Belt, BX42	2	J0200	J0200
13	Belt, BX48, 2-belt drive	2	J0220	----
	Belt, BX50, 2-belt drive	2	----	J0224
	Belt, BX52, 3-belt drive	3	J0227	----
	Belt, BX54, 3-belt drive	3	----	J0222
14	Pulley, 9 x 1-1/4", double, B	1	J0366	J0366
15	Pulley, 12 x 1-1/4", double, B	1	J0385	J0385
	Pulley, 12.4 x 3", triple B	1	J03865**	J03865**
16	Screw, 5/16 – 18 x 1"	8	J0537	----
	Screw, 3/8 – 16 x 1"	8	----	J0606
17	Screw, 3/8 – 16 x 1"	2	J0606	J0606
18	Bolt, 3/8 – 16 x 1-3/4"	***	J0640	J0640
19	Screw, 3/8 – 16 x 3"	18	J0660	J0660
20	Whiz nut, 3/8" - 16	***	J1017	J1017
21	Whiz nut, 5/16" - 18	8	J1110	----
	Whiz nut, 3/8" - 16	8	----	J1017
22	Roll pin, 5/16 x 1-1/2"	1	J1495	J1495

*QTY. 6 for 10"

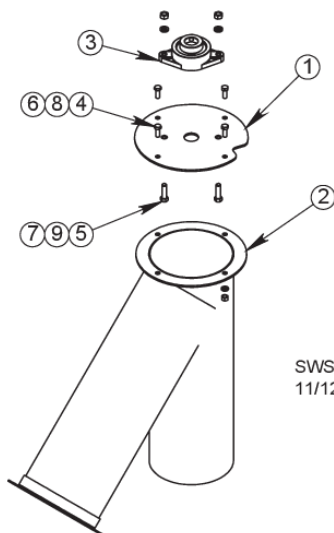
**Pulley J03865 requires J0410 bushing (not shown)

***QTY. depends on vertical tube dia.

BOTTOM-DRIVE SPOUT

E5813 – 8"

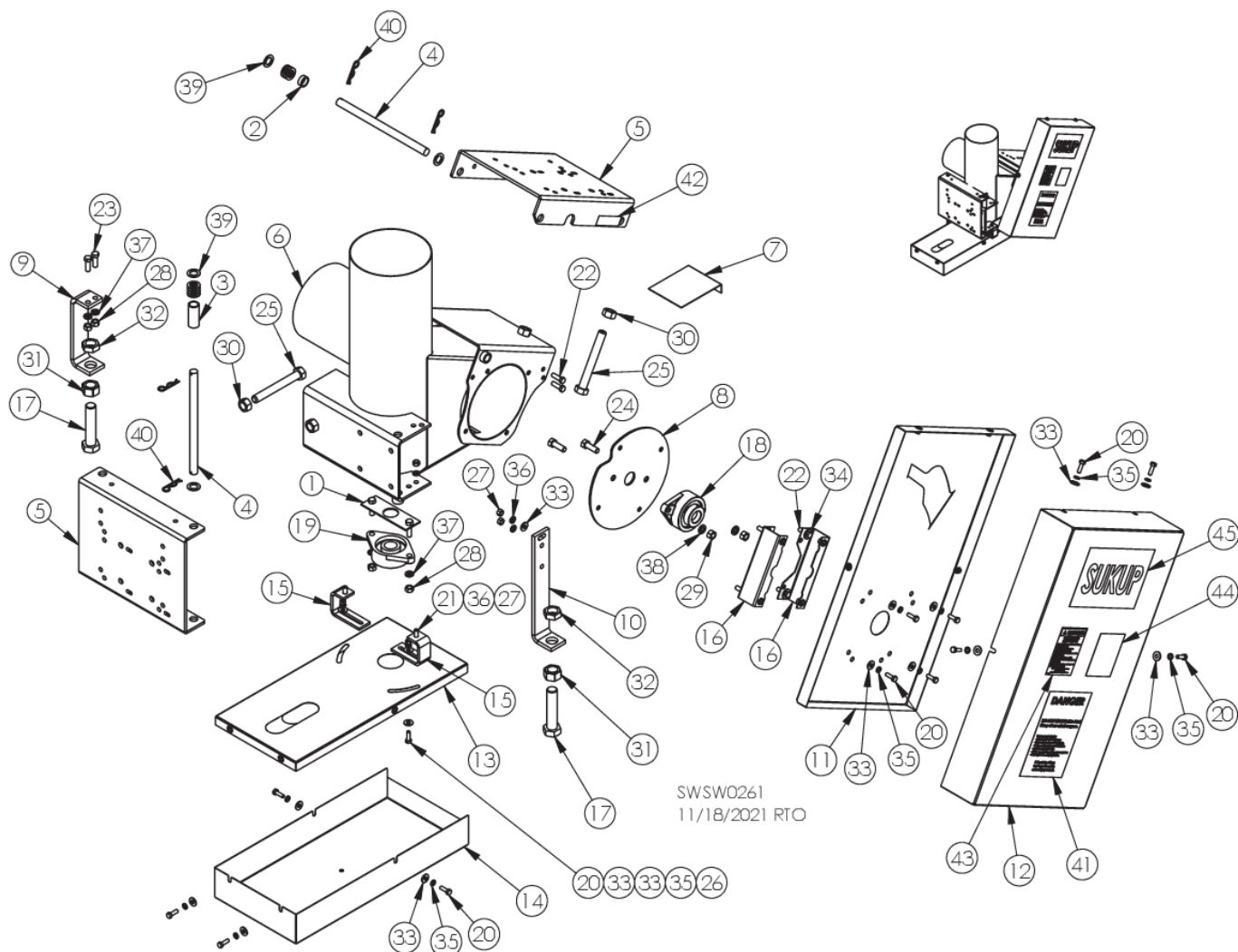
E5785 – 10"



SWSW0262
11/12/2021 RTO

REF. #	DESCRIPTION	QTY.	8" PART #	10" PART #
1	Bearing plate	1	E5776	E5659
2	Spout	1	E58131	E57852
3	Flange bearing, 1-1/4", w/ lock collar	1	J0010	J0010
4	Screw, 3/8 – 16 x 1"	4	J0606	J0606
5	Screw, 7/16 - 14 x 1-1/2"	2	J0710	J0710
6	Nut, 3/8" - 16	4	J1020	J1020
7	Nut, 7/16" - 14	2	J1035	J1035
8	Lock washer, 3/8"	4	J1205	J1205
9	Split lock washer, 7/16"	2	J1210	J1210

BOTTOM-DRIVE BOOT
E5817 – 8" (2-Belt)
E58174 – 8" (3-Belt)
E5782 – 10" (2-Belt or 3-Belt)



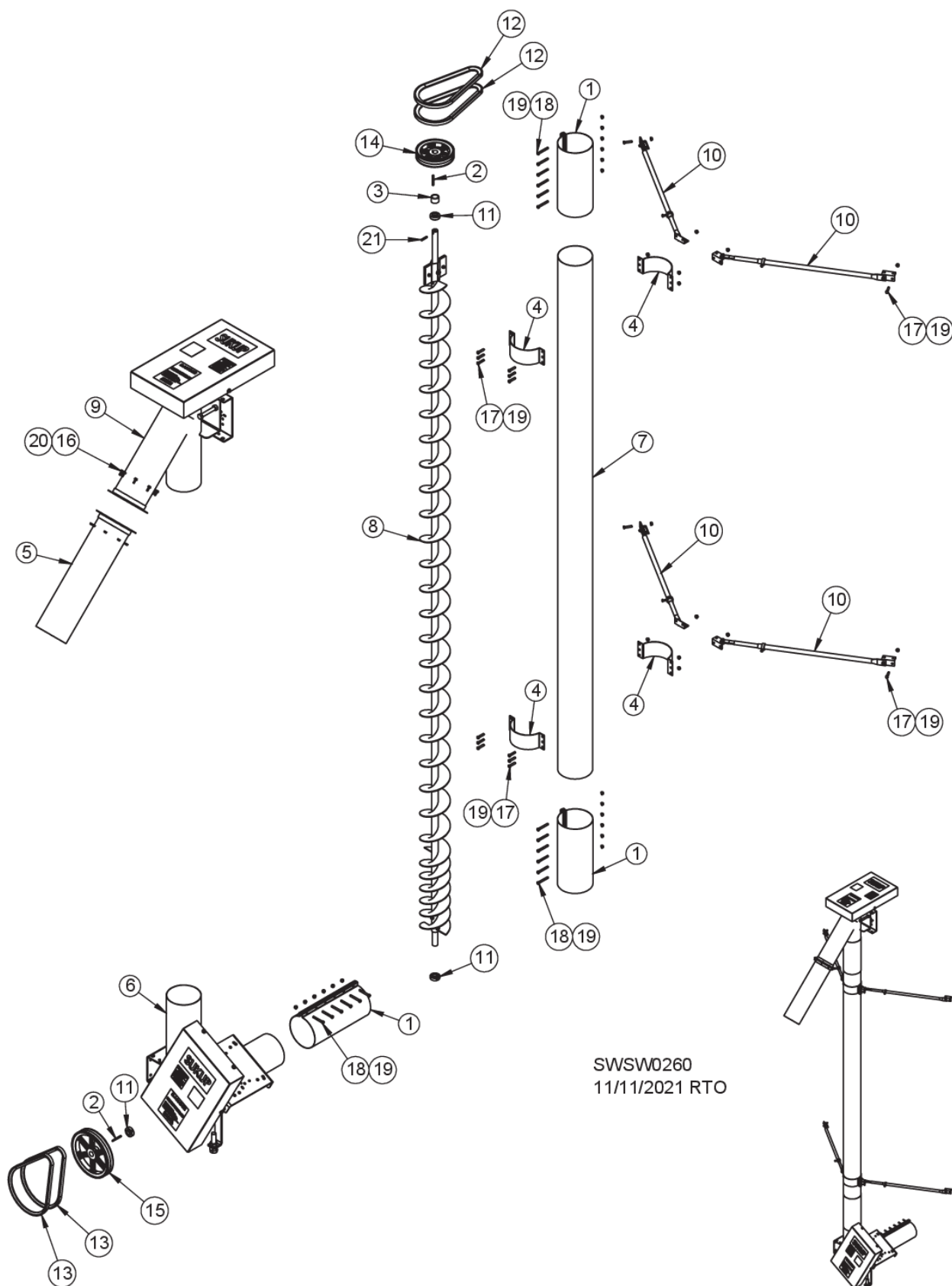
BOTTOM-DRIVE BOOT
E5817 – 8" (2-Belt)
E58174 – 8" (3-Belt)
E5782 – 10" (2-Belt or 3-Belt)

REF. #	DESCRIPTION	QTY.	8" PART #	10" PART #
1	Bearing holder	1	E5731	E5731
2	Spacer, 3/8"	*	E5739	E5739
3	Spacer, 2.438"	1**	E5740	E5740
4	Pivot rod	2	E5744	E5744
5	Motor mount	2	E5746	E5746
6	Boot housing	1	E5768	E5769
7	Slide door	1	E5771	E5771
8	Bearing plate	1	E5776	E5659
9	Rear leg bracket	1	E5868	E5868
10	Front leg bracket	1	E5869	E5869
11	Shield, inner, horizontal motor	1	E5972	E5972
12	Shield, outer, horizontal motor	1	E5973	E5973
13	Shield, inner, vertical motor	1	E5976	E5976
14	Shield, outer, vertical motor	1	E5977	E5977
15	Shield bracket, vertical	2	E5978	E5978
16	Shield bracket, horizontal	2	E9316	E5974
17	Leveling leg, 1" dia.	2	F4564	F4564
18	Flange bearing, 1-1/4", w/ lock collar	1	J0010	J0010
19	Bearing, 1-1/4", 2-bolt, w/ lock collar	1	J00102	J00102
20	Screw, 5/16 – 18 x 1"	14	J0527	J0527
21	Screw, 3/8 – 16 x 1"	2	J0606	J0606
22	Screw, 3/8 – 16 x 1-1/4"	6	J0616	J0616
23	Bolt, 7/16 – 14 x 1-1/4"	2	J0700	J0700
24	Screw, 1/2 – 13 x 1-1/2"	2	J0730	J0730
25	Screw, 3/4 - 10 x 6"	2	J0824	J0824
26	Nut, 5/16" – 18	2	J1002	J1002
27	Nut, 3/8" – 16	8	J1020	J1020
28	Nut, 7/16" – 14	4	J1035	J1035
29	Nut, 1/2" – 13	2	J1040	J1040
30	Nut, 3/4" – 10	2	J1051	J1051
31	Nut, 1" – 8	2	J1060	J1060
32	Jam nut, 1" – 8	2	J1063	J1063
33	Flat washer, 5/16"	17	J1111	J1111
34	Flat washer, 3/8"	4	J1117	J1117
35	Split lock washer, 5/16"	14	J1200	J1200
36	Lock washer, 3/8"	8	J1205	J1205
37	Split lock washer, 7/16"	4	J1210	J1210
38	Lock washer, 1/2"	2	J1215	J1215
39	Machine bushing, 3/4 x 1-1/4", 14ga	11	J1260	J1260
40	Hairpin clip, .120 x 2-1/2"	4	J5412	J5412
41	Decal, Danger, Do Not Enter Bin	1	L0258A	L0258A
42	Decal, Danger, Replace Missing Shield	1	L0271	L0271
43	Decal, Caution, safety instructions	1	L0281	L0281
44	Decal, Warning, Keep Away...	1	L0284	L0284
45	Sukup logo	1	L03161	L03161

*QTY. 1 for 8" 2-belt; QTY. 2 for 8" 3-belt; QTY. 4 for 10"

**QTY. 2 for 8" 3-belt

TOP DRIVE VERTICAL POWERHEAD



TOP DRIVE VERTICAL POWERHEAD

REF. #	DESCRIPTION	QTY.	8" PART #	10" PART #
1	Connector sleeve, 18"	3	E5424	E5425
2	Key, 1/4" sq. x 2-3/4"	2	E5721	E5721
3	Spacer, 1-1/4"	1	E57415	E57415
4	Half band	4*	E57941	E57961
5	Truck spout, 30"	1	E5815	E5787
6	Vertical boot, 2-motor drive, 2 or 3 belt	1	E58172	E57821
7	Auger tube, 16' vertical	1	E5843	E57842
	Auger tube, 20' vertical	1	F4915	E57843
8	Vertical fighting, 16'	1	E58471	E57836
	Vertical fighting, 20'	1	E58542	E57834
9	Top spout	1	E5932	E59321
10	Support arm assy., 30"	4*	F47901	F47901
11	Locking collar, 1-1/4"	3	J0068	J0068
12	Belt, BX42	2	J0200	J0200
13	Belt, BX48, 2-belt drive	2	J0220	----
	Belt, BX50, 2-belt drive	2	----	J0224
	Belt, BX52, 3-belt drive	3	J0227	----
	Belt, BX54, 3-belt drive	3	----	J0222
14	Pulley, 9 x 1-1/4", double, B	1	J0366	J0366
15	Pulley, 12 x 1-1/4", double, B	1	J0385	J0385
	Pulley, 12.4 x 3", triple B	1	J03865**	J03865**
16	Screw, 5/16 – 18 x 1"	8	J0537	----
	Screw, 3/8 – 16 x 1"	8	----	J0606
17	Bolt, 3/8 – 16 x 1-3/4"	***	J0640	J0640
18	Screw, 3/8 - 16 x 3"	18	J0660	J0660
19	Whiz nut, 3/8" - 16	***	J1017	J1017
20	Whiz nut, 5/16" - 18	8	J1110	----
	Whiz nut, 3/8" - 16	8	----	J1017
21	Roll pin, 5/16 x 1-1/2"	1	J1495	J1495

*QTY. 6 for 10"

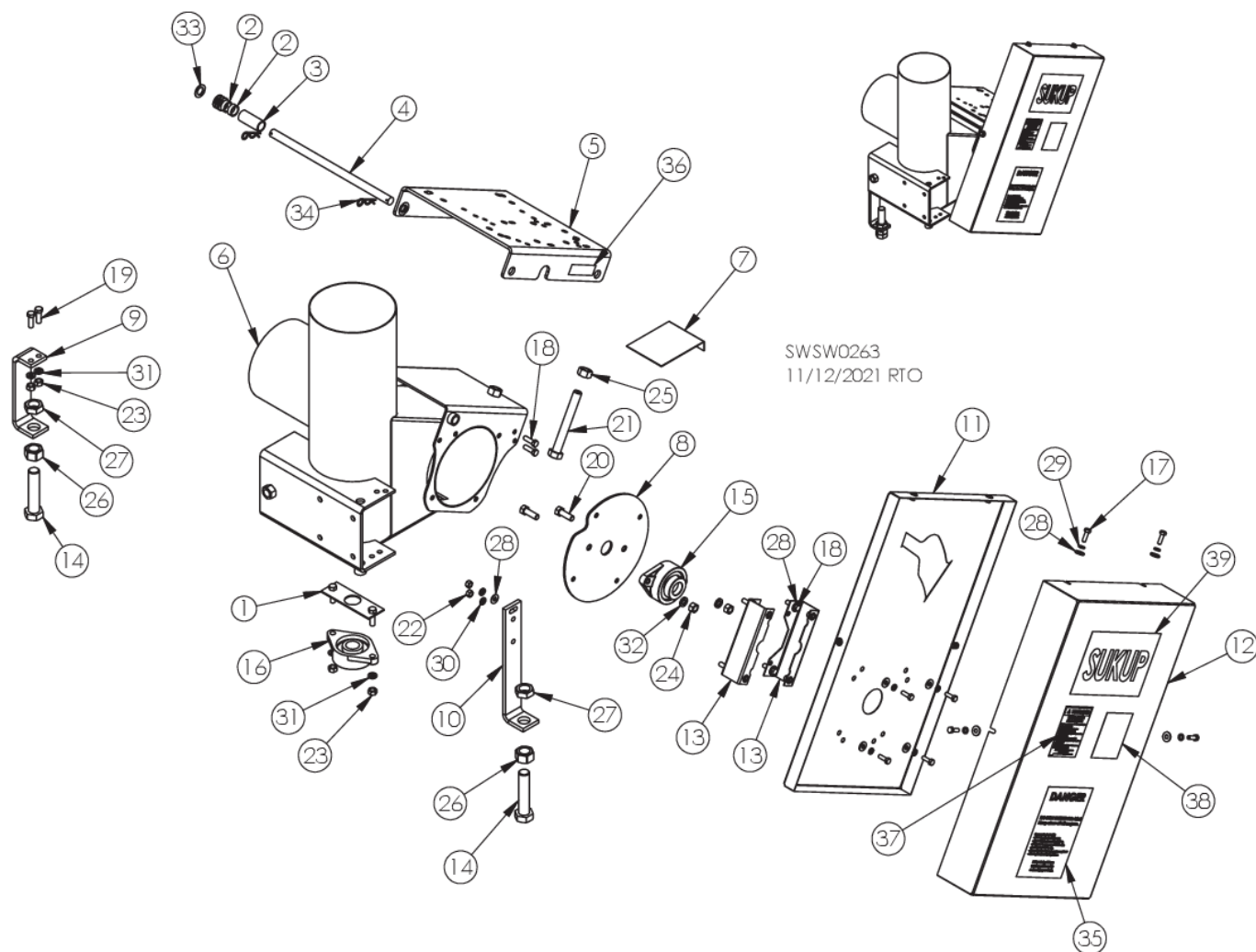
**Pulley J03865 requires J0410 bushing (not shown)

***QTY. depends on vertical tube dia.

TOP DRIVE BOOT

E58172 – 8"

E57821 – 10"



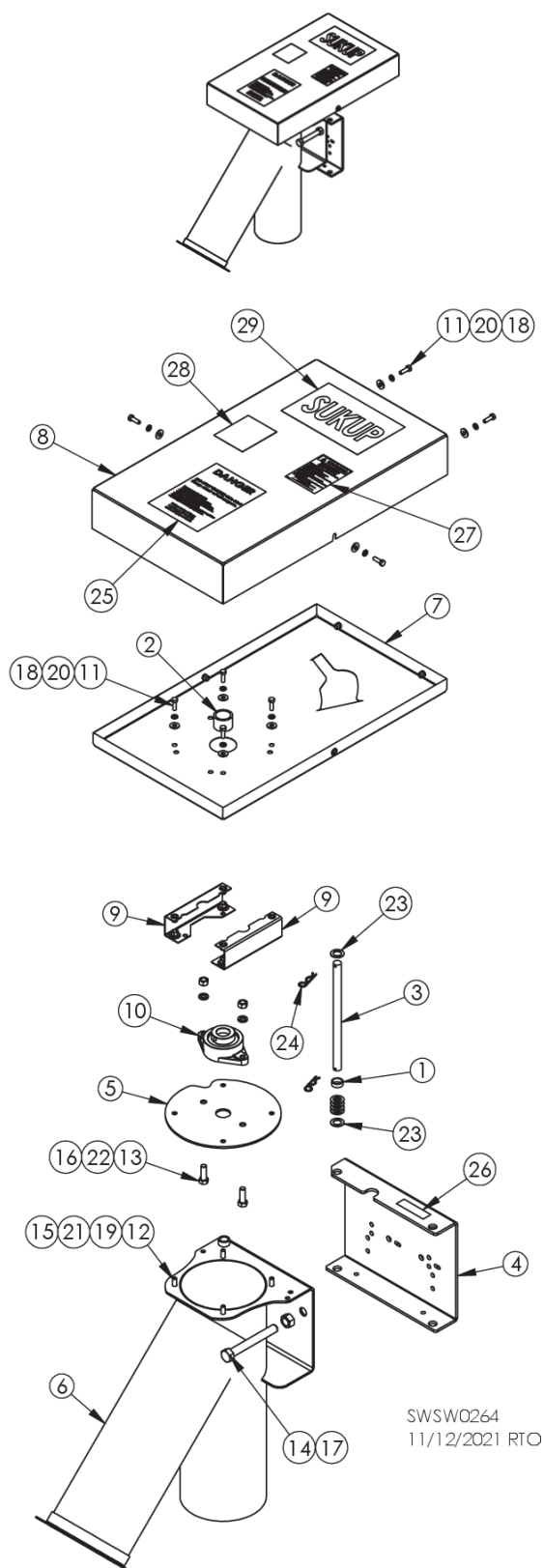
TOP DRIVE BOOT
E58172 – 8"
E57821 – 10"

REF. #	DESCRIPTION	QTY.	8" PART #	10" PART #
1	Bearing holder	1	E5731	E5731
2	Spacer, 3/8"	2	E5739	E5739
3	Spacer, 2.438"	1	E5740	E5740
4	Pivot rod	1	E57441	E57441
5	Motor mount	1	E5746	E5746
6	Boot housing	1	E5768	E5769
7	Slide door	1	E5771	E5771
8	Bearing plate	1	E5776	E5659
9	Rear leg bracket	1	E5868	E5868
10	Front leg bracket	1	E5869	E5869
11	Shield, inner, horizontal motor	1	E5972	E5972
12	Shield, outer, horizontal motor	1	E5973	E5973
13	Shield bracket, horizontal	2	E9316	E5974
14	Leveling leg, 1" dia.	2	F4564	F4564
15	Flange bearing, 1-1/4", w/ lock collar	1	J0010	J0010
16	Bearing, 1-1/4", 2-bolt, w/ lock collar	1	J00102	J00102
17	Screw, 5/16 – 18 x 1"	8	J0527	J0527
18	Screw, 3/8 – 16 x 1-1/4"	6	J0616	J0616
19	Bolt, 7/16 – 14 x 1-1/4"	2	J0700	J0700
20	Screw, 1/2 – 13 x 1-1/2"	2	J0730	J0730
21	Screw, 3/4 - 10 x 6"	1	J0824	J0824
22	Nut, 3/8" – 16	6	J1020	J1020
23	Nut, 7/16" – 14	4	J1035	J1035
24	Nut, 1/2" – 13	2	J1040	J1040
25	Nut, 3/4" – 10	1	J1051	J1051
26	Nut, 1" – 8	2	J1060	J1060
27	Jam nut, 1" – 8	2	J1063	J1063
28	Flat washer, 5/16"	13	J1111	J1111
29	Split lock washer, 5/16"	8	J1200	J1200
30	Lock washer, 3/8"	6	J1205	J1205
31	Split lock washer, 7/16"	4	J1210	J1210
32	Lock washer, 1/2"	2	J1215	J1215
33	Machine bushing, 3/4 x 1-1/4", 14ga	5	J1260	J1260
34	Hairpin clip, .120 x 2-1/2"	2	J5412	J5412
35	Decal, Danger, Do Not Enter Bin	1	L0258A	L0258A
36	Decal, Danger, Replace Missing Shield	1	L0271	L0271
37	Decal, Caution, safety instructions	1	L0281	L0281
38	Decal, Warning, Keep Away...	1	L0284	L0284
39	Sukup logo	1	L03161	L03161

TOP DRIVE SPOUT

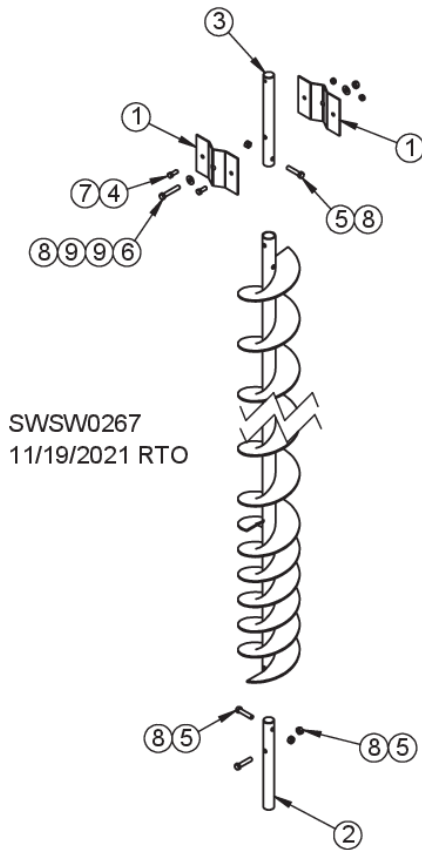
E5932 – 8"

E59321 – 10"



REF. #	DESCRIPTION	QTY.	8"	10"
1	Spacer, 3/8"	1	E5739	E5739
2	Spacer, 1-1/4"	1	E57415	E57415
3	Pivot rod	1	E5744	E5744
4	Motor mount	1	E5746	E5746
5	Bearing plate	1	E5776	E5659
6	Top spout	1	E5933	E57851
7	Shield, inner section	1	E5972	E5972
8	Shield, outer section	1	E5973	E5973
9	Shield bracket	2	E9316	E5974
10	Flange brng, 1-1/4", w/ lock collar	1	J0010	J0010
11	Screw, 5/16 – 18 x 1"	8	J0527	J0527
12	Screw, 3/8 – 16 x 1"	4	J0606	J0606
13	Screw, 1/2 – 13 x 1-1/2"	2	J0730	J0730
14	Screw, 3/4 - 10 x 6"	1	J0824	J0824
15	Nut, 3/8" – 16	4	J1020	J1020
16	Nut, 1/2" – 13	2	J1040	J1040
17	Nut, 3/4" - 10	1	J1051	J1051
18	Flat washer, 5/16"	8	J1111	J1111
19	Flat washer, 3/8"	4	J1117	J1117
20	Split lock washer, 5/16"	8	J1200	J1200
21	Lock washer, 3/8"	4	J1205	J1205
22	Lock washer, 1/2"	2	J1215	J1215
23	Bushing, 3/4 x 1-1/4", 14ga	6	J1260	J1260
24	Hairpin clip, .120 x 2-1/2"	2	J5412	J5412
25	Decal, Danger, Do Not Enter Bin	1	L0258A	L0258A
26	Decal, Danger, Replace Shield	1	L0271	L0271
27	Decal, Caution, safety instructions	1	L0281	L0281
28	Decal, Warning, Keep Away ...	1	L0284	L0284
29	Sukup logo	1	L03161	L03161

VERTICAL AUGER



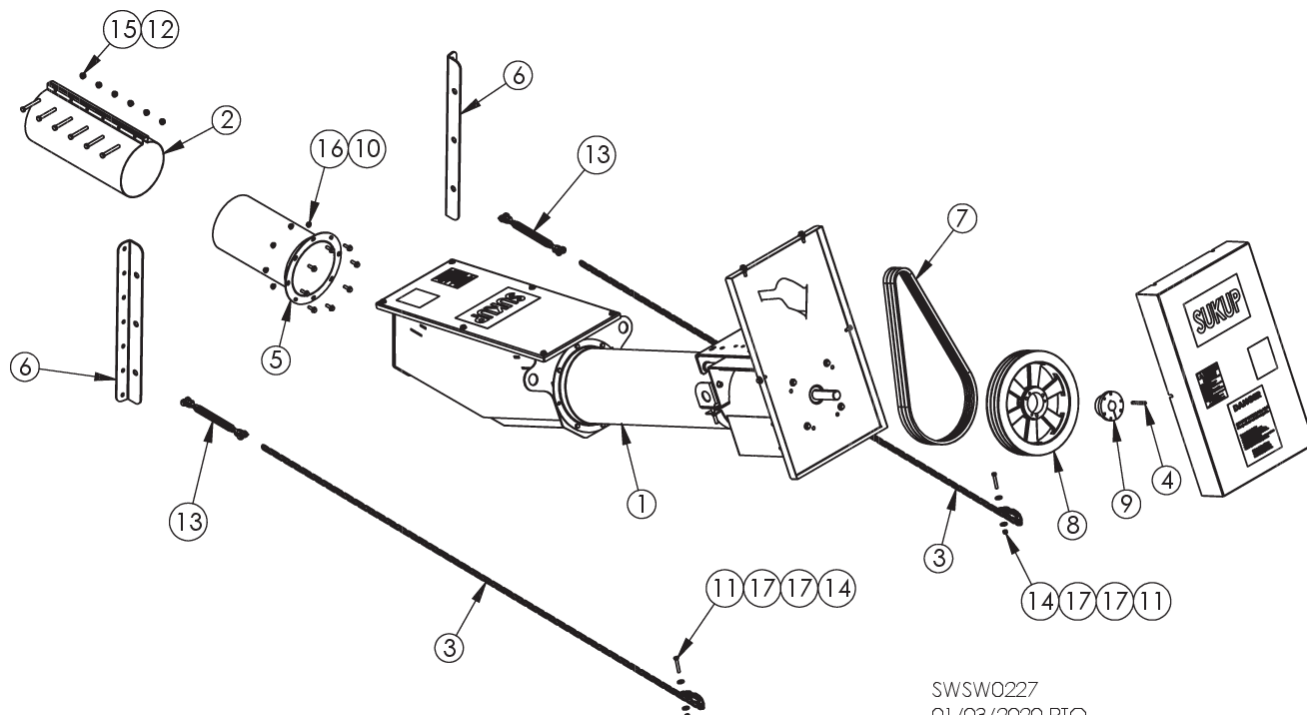
PART #	DESCRIPTION
E5847	8" bottom drive, 16'
E58541	8" bottom drive, 20'
E58471	8" top drive, 16'
E58542	8" top drive, 20'
E57833	10" bottom drive, 16'
E57837	10" bottom drive, 20'
E57836	10" top drive, 16'
E57834	10" top drive, 20'

REF. #	DESCRIPTION	QTY.	8" BTM DRIVE	8" TOP DRIVE	10" BTM DRIVE	10" TOP DRIVE
			PART #			
1	Flinger, 5 x 6-1/2"	2	E54161	E54161	----	----
	Flinger, 7 x 7-1/2"	2	----	----	E5689	E5689
2	Btm shaft, 1-1/4 x 12-1/8"	1	E9751	----	----	----
	Btm shaft, 1-1/4 x 9"	1	----	G73291	----	----
	Btm shaft, 2 x 13-7/8"	1	----	----	E58252	----
	Btm shaft, 2 x 10"	1	----	----	----	F48342
3	Top shaft, 1-1/4 x 12-3/8"	1	E97711	----	----	----
	Top shaft, 1-1/4 x 15-1/4"	1	----	E54153	----	----
	Top shaft, 2 x 15-5/8"	1	----	----	E58243	----
	Top shaft, 2 x 18-1/2"	1	----	----	----	E58244
4	Screw, 3/8 - 16 x 1"	2	J0606	J0606	----	----
	Screw, 3/8 - 16 x 1-3/4"	2	----	----	J0645	J0645
5	Screw, 7/16 - 14 x 2"	3	J0718	J0718	----	----
	Screw, 1/2 - 13 x 3-1/2"	3	----	----	J0754	J0754
6	Screw, 7/16 - 14 x 2-1/2"	1	J0720	J0720	----	----
	Screw, 1/2 - 13 x 3-1/2"	1	----	----	J0754	J0754
7	Lock nut, 3/8" - 16	2	J1025	J1025	J1025	J1025
8	Lock nut, 7/16" - 14	4	J1034	J1034	----	----
	Lock nut, 1/2" - 13	4	----	----	J1042	J1042
9	Flat washer, 3/8"	2	J1117	J1117	N/A	N/A

INCLINE AUGER FOR 8" & 10" UNLOAD

8" Unload uses 25°, 8-10" Incline (E5030 – 2-belt; E5031 – 3-belt)

10" Unload uses 20°, 10-12" incline (E5020 – 3-belt)



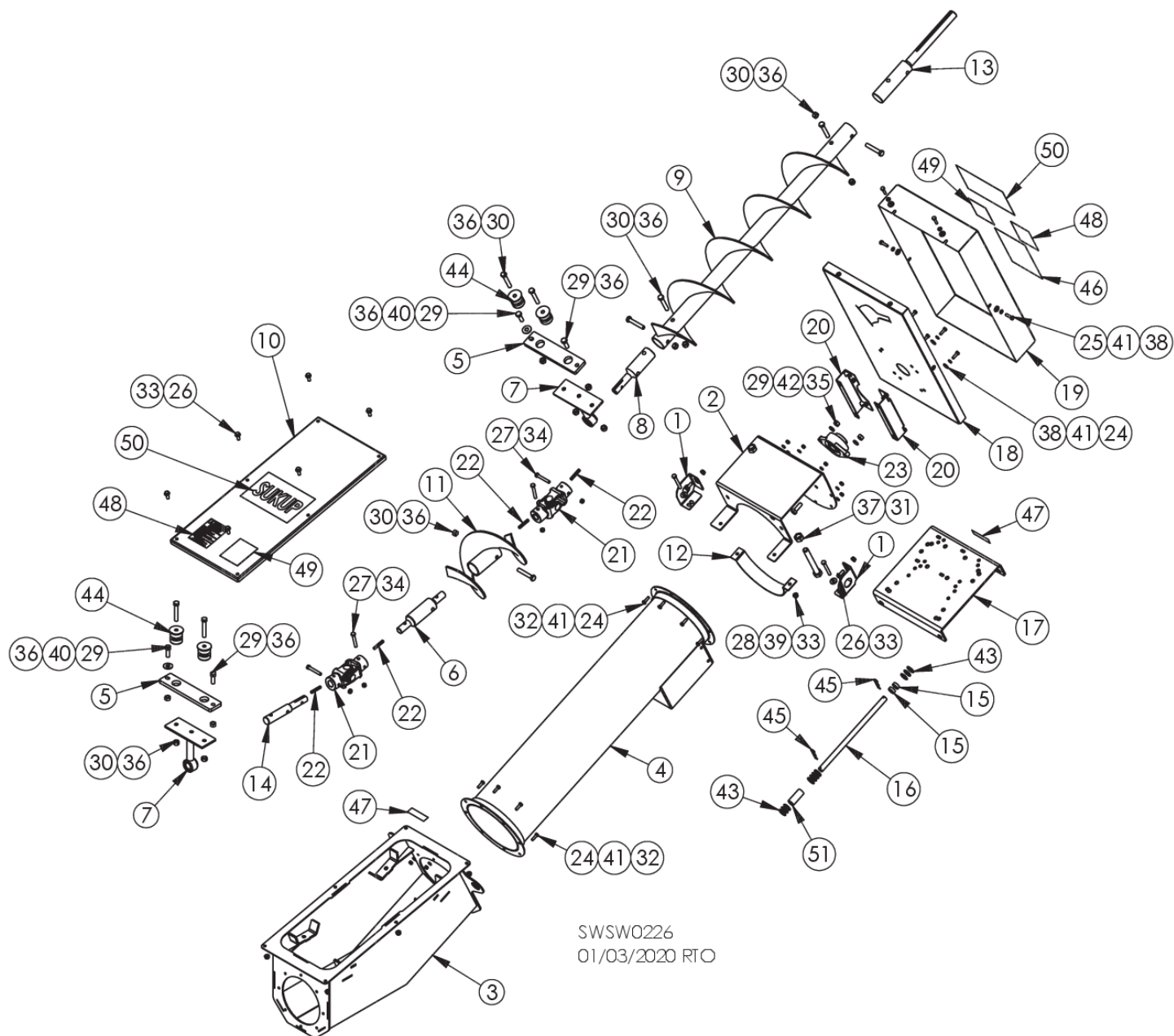
SWSW0227
01/03/2020 RTO

REF. #	DESCRIPTION	QTY.	8-10" PART #	10-12" PART #
1	Incline, 25°, 2-belt	1	E5042	----
	Incline, 25°, 3-belt		E5032	----
	Incline, 20°, 3-belt		----	E5010
2	Connector sleeve	1	E5424	E5425
3	Chain, 12'	2	E5579	E5579
4	Key, 1/4" sq. x 2-3/4"	1	E5721	----
	Key, 1/2" sq. x 2"		----	D1682
5	Adapter sleeve	1	E59442	E59443
6	Support bracket	2	EU0155	EU0155
7	Belt, BX54	2	J0222	----
	Belt, BX56	3	J0238	----
	Belt, BX63		----	J0239
8	Pulley, 14", 2-belt	1	J03951	----
	Pulley, 13.6", 3-belt		J0389	----
	Pulley, 15.4", 3-belt		----	J0396
9	Bushing, 1-1/4" bore, 3-belt	1	J0410	----
	Bushing, 2" bore, 3-belt		----	J04310
10	Screw, 5/16 – 18 x 1"	8	J0537	----
	Screw, 3/8 – 16 x 1"		----	J0606
11	Screw, 5/16 - 18 x 2"	2	J0585	J0585
12	Screw, 3/8 - 16 x 3"	6	J0660	J0660
13	Turnbuckle, 38" - 16	2	J0875	J0875
14	Lock nut, 5/16"	2	J1003	J1003
15	Whiz nut, 3/8" - 16	6*	J1017	J1017
16	Whiz nut, 5/16" - 18	8	J1110	----
17	Flat washer, 5/16"	4	J1111	J1111

*QTY. 14 for 10-12"

See following pages for parts breakdowns.

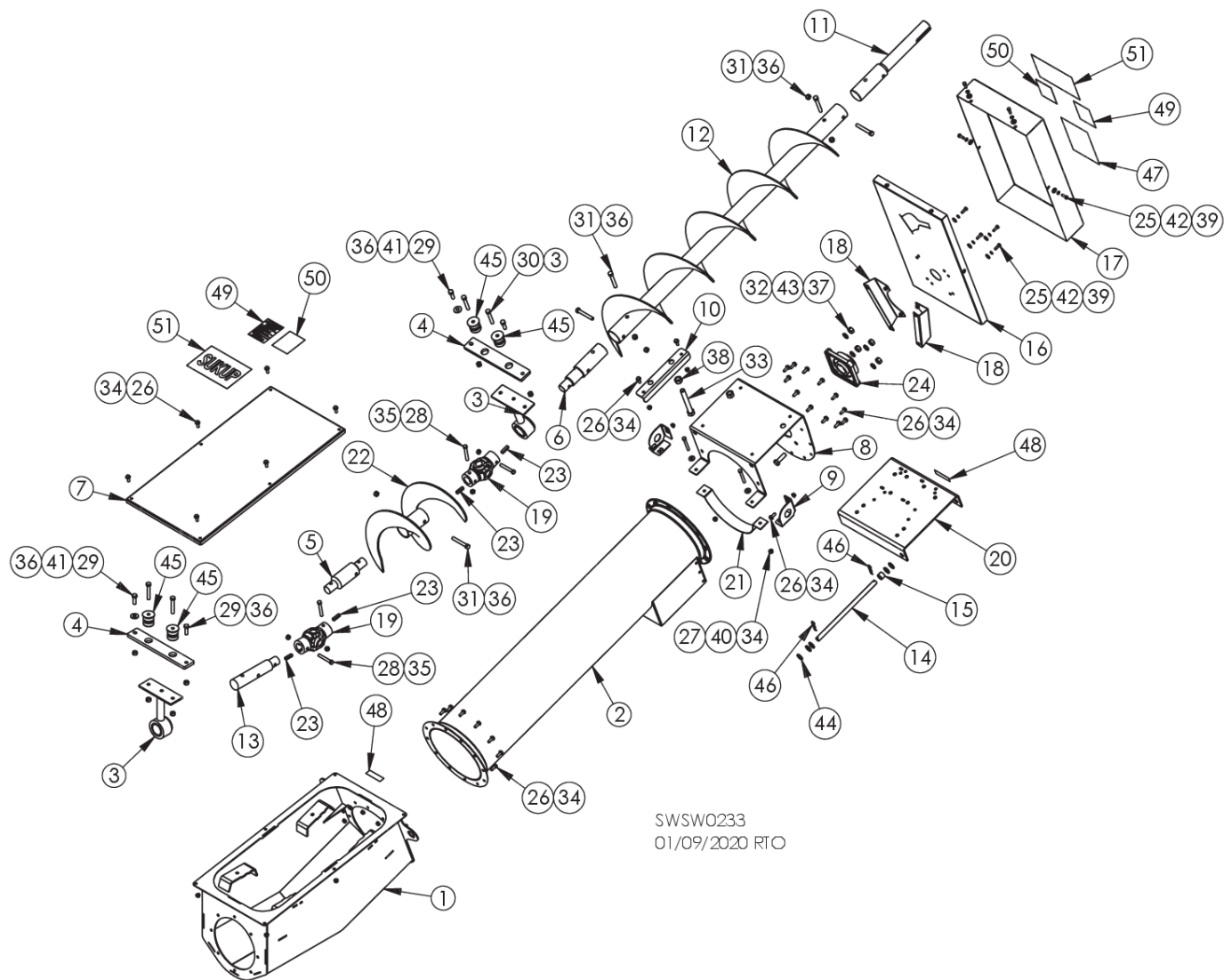
**25° INCLINE AUGER FOR 8" UNLOAD
(E5032 – 3-belt)**



**25° INCLINE AUGER FOR 8" UNLOAD
(E5032 – 3-belt)**

REF. #	DESCRIPTION	QTY.	PART #
1	Brace	2	E5023
2	Plate	1	E5025
3	Transition	1	E5033
4	Tube	1	E5034
5	Bearing support	2	E5035
6	Intermediate shaft	1	E5036
7	Bearing assy.	2	E5037
8	Auger shaft	1	E5038
9	Auger, 45-1/2"	1	E5039
10	Transition cover	1	E5040
11	Auger, 9" OD, 5"	1	E5041
12	Tube clamp, 2 x 17"	1	E5407-02
13	Shaft, 18"	1	E54142
14	Shaft, 8-1/2", w/ key	1	E5624
15	Spacer, 3/8"	2	E5739
16	Pivot rod	1	E57441
17	Motor, mount	1	E5765
18	Shield, inner	1	E5972
19	Shield, outer	1	E5973
20	Shield bracket	2	E5974
21	Knuckle	2	E5980
22	Key, 1/4" sq. x 2	4	F4499
23	Flange bearing., 1-1/4", w lock collar	1	J0010
24	Screw, 5/16 – 18 x 1"	18	J0527
25	Screw, 5/16 – 18 x 1-1/4"	4	J0550
26	Screw, 3/8 – 16 x 1"	8	J0611
27	Screw, 3/8 – 16 x 2-1/2"	4	J0655
28	Screw, 3/8 - 16 x 3"	2	J0660
29	Screw, 1/2 – 13 x 1-1/2"	6	J0730
30	Screw, 1/2 – 13 x 3"	9	J0750
31	Screw, 3/4 - 10 x 6"	1	J0824
32	Nut, 5/16" – 18	14	J1002
33	Whiz nut, 3/8" - 16	10	J1017
34	Lock nut, 3/8" – 16	4	J1025
35	Nut, 1/2" – 13	2	J1040
36	Lock nut, 1/2" – 13	13	J1042
37	Nut, 3/4" – 10	1	J1051
38	Flat washer, 5/16"	8	J1111
39	Flat washer, 3/8"	2	J1117
40	Flat washer, 1/2"	2	J1125
41	Split lock washer, 5/16"	22	J1200
42	Lock washer, 1/2"	2	J1215
43	Machine bushing, 3/4 x 1-1/4", 14ga	10	J1260
44	Bushing, rubber, 1/2" ID	4	J5021
45	Hairpin clip, .120 x 2.5	2	J5412
46	Decal, Do Not Enter Bin	1	L0258A
47	Decal, Danger, Replace Missing Shield	2	L0271
48	Decal, Safe Operation	2	L0281
49	Decal, Keep Away From Moving Parts	2	L0284
50	Sukup logo	2	L03161
51	Hinge spacer, 2.438"	1	E5740

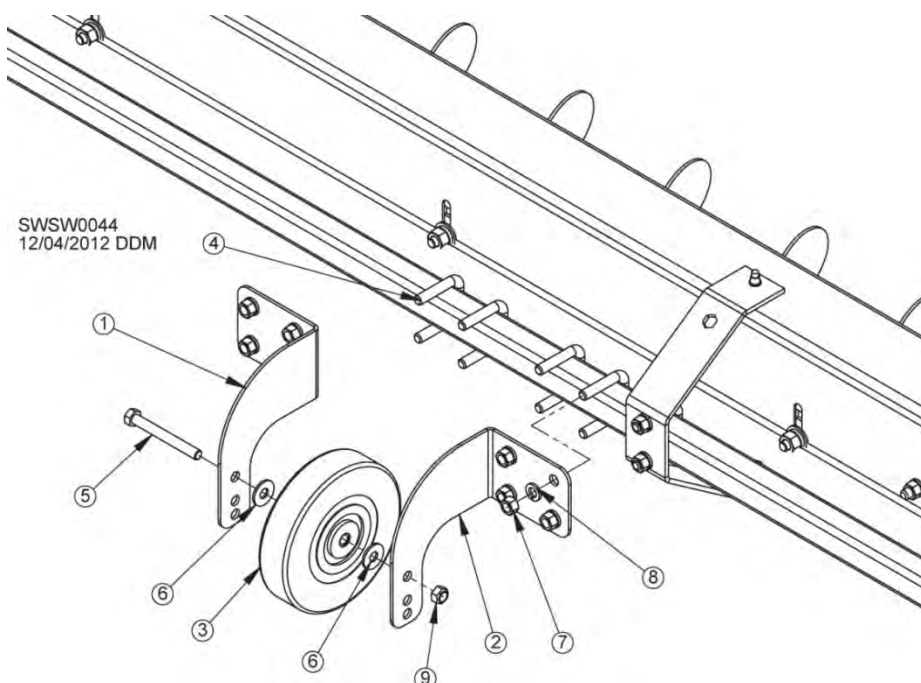
**20° INCLINE AUGER FOR 10" UNLOAD
(E5010 – 3-belt)**



**20° INCLINE AUGER FOR 10" UNLOAD
(E5010 – 3-belt)**

REF. #	DESCRIPTION	QTY.	PART #
1	Transition	1	E5011
2	Tube	1	E5012
3	Bearing	2	E5013
4	Bearing support	2	E5014
5	Intermediate shaft	1	E5016
6	Auger shaft	1	E5017
7	Transition cover	1	E5019
8	Front plate	1	E5022
9	Brace	2	E5023
10	Motor mount brace	1	E5024
11	Unload shaft	1	E54143
12	Lighting, 5'	1	E56233
13	Support shaft	1	E56241
14	Pivot rod	1	E57441
15	Base plate spacer	1	E5768-03
16	Shield, inner	1	E5972
17	Shield, outer	1	E5973
18	Shield bracket	2	E5975
19	U-joint	2	E5985
20	Motor, mount	1	E5992
21	Half band	1	EE412
22	Lighting, 11" OD, 5"	1	EU1185
23	Key, 3/8", 1-5/8"	4	G5316
24	Flange bearing, 2", 4-bolt	1	J00493
25	Screw, 5/16 – 18 x 1"	8	J0527
26	Screw, 3/8 – 16 x 1"	32	J0611
27	Screw, 3/8 - 16 x 3"	2	J0660
28	Screw, 7/16 – 14 x 1-1/4"	4	J0722
29	Screw, 1/2 – 13 x 1-1/2"	4	J0730
30	Screw, 1/2 – 13 x 3"	4	J0750
31	Screw, 1/2 – 13 x 3-1/2"	5	J0754
32	Screw, 5/8 – 11 x 2"	4	J0791
33	Screw, 3/4 - 10 x 6"	1	J0824
34	Whiz nut, 3/8" - 16	34	J1017
35	Lock nut, 7/16" – 14	4	J1034
36	Lock nut, 1/2" – 13	13	J1042
37	Nut, 5/8" – 11	4	J1046
38	Nut, 3/4" – 10	1	J1051
39	Flat washer, 5/16"	8	J1111
40	Flat washer, 3/8"	2	J1117
41	Flat washer, 1/2"	2	J1125
42	Split lock washer, 5/16"	8	J1200
43	Split lock washer, 5/8"	4	J1218
44	Machine bushing, 3/4 x 1-1/4", 14ga	5	J1260
45	Bushing, rubber, 1/2" ID	4	J5021
46	Hairpin clip, .120 x 2.5	2	J5412
47	Decal, Do Not Enter Bin	1	L0258A
48	Decal, Danger, Replace Missing Shield	2	L0271
49	Decal, Safe Operation	2	L0281
50	Decal, Keep Away From Moving Parts	2	L0284
51	Sukup logo	2	L03161

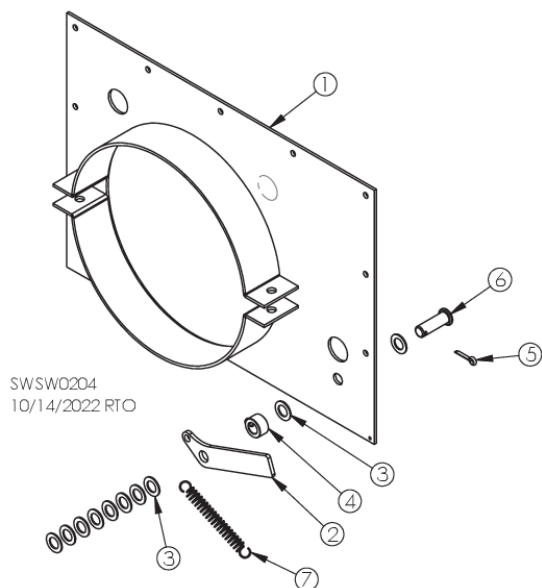
REAR CARRIER WHEEL



REF. #	DESCRIPTION	QTY.	PART #
	Rear carrier wheel kit	-	E6099
1	Rear carrier wheel bracket, left	1	E7741
2	Rear carrier wheel bracket, right	1	E7740
3	Rubber wheel, 6", w/ bushing	1	J7271
4	U-bolt, 3/8" - 16	4	J0644
5	Bolt, 3/8 - 16 x 3"	1	J0661
6	Flat washer, 3/8"	2	J1117
7	Hex nut, 3/8" -16	8	J1020
8	Split lock washer, 3/8"	8	J1205
9	Lock nut, 3/8" - 16	1	J1025

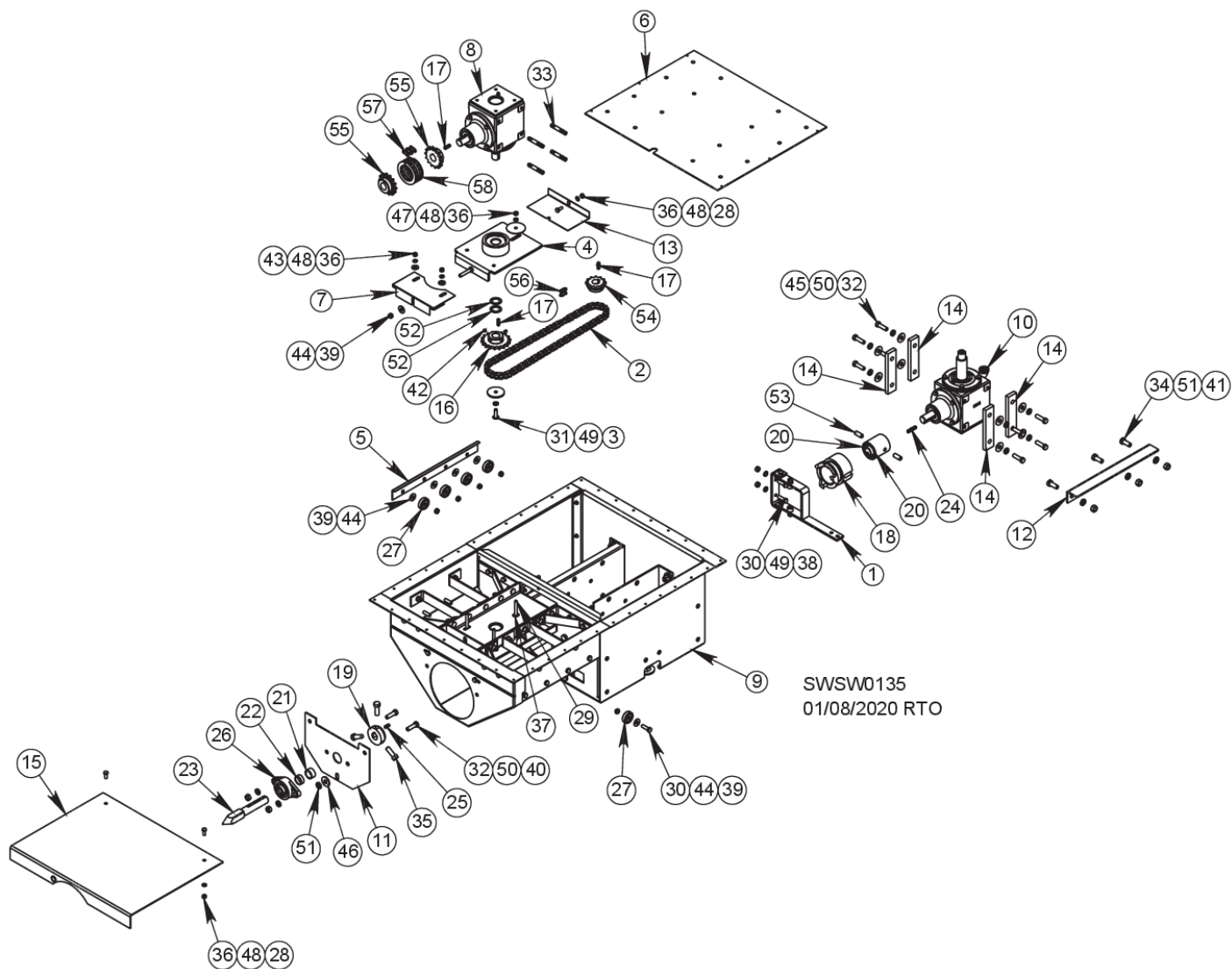
BIN COLLAR

8" – E5462, 10" – E5362



REF. #	DESCRIPTION	QTY.	8"	10"
1	Collar weldment	1	E5462W	E5362W
2	Clutch latch	1	E54081	E54081
3	Machine bushing, 1/2" x 18ga	10	J1250	J1250
4	Shaft collar, 1/2"	1	J1320	J1320
5	Cotter pin, 1/8 x 1"	1	J1420	J1420
6	Picker pin, 1/2 x 1-1/2"	1	J1550	J1550
7	Pawl spring	1	J2360	J2360

8" SWEEPWAY CENTER SUMP, E53878



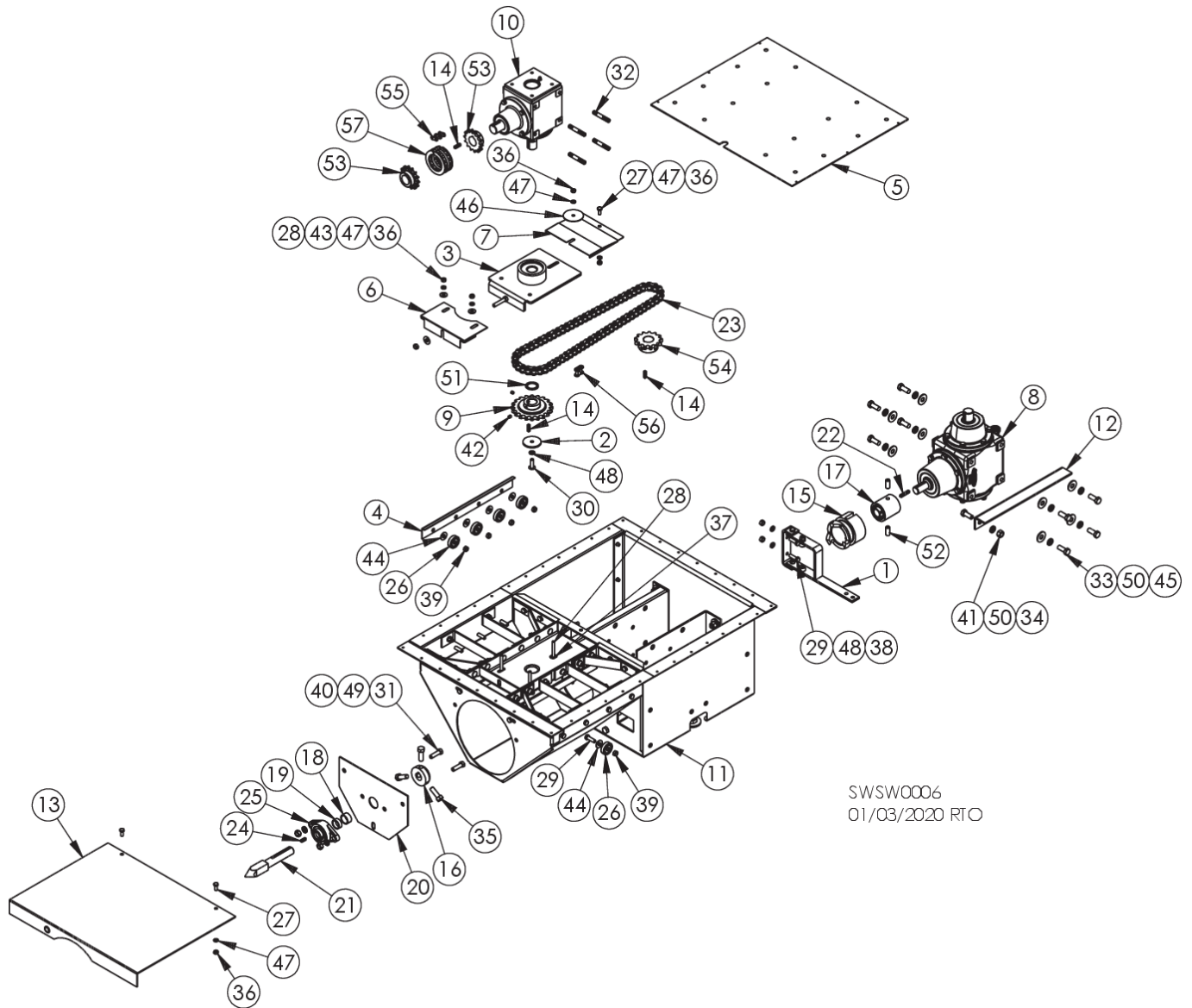
8" SWEEPWAY CENTER SUMP, E53878

REF. #	DESCRIPTION	QTY.	PART #
1	Clutch shifter arm assembly	1	E53132
2	Chain, #50, 73 links	1	E5319-01
3	Spacer washer, 3/8" ID, 2-1/4" OD	1	E5324
4	Weld support plate w/ snap ring, 10"	1	E5339
5	Side gate rail	2	E5350-14
6	Sump cover	1	E5354
7	Gearbox support cover	1	E5357
8	Top gearbox	1	E53741**
9	Center sump shell	1	E5376
10	Lower gearbox	1	E5378
11	Mounting plate	1	E53871
12	Gearbox support angle brace	1	E53874
13	Chain cover	1	E53875
14	Lower gearbox spacer bar	4	E53877
15	Slide gate	1	E5477
16	Sprocket, 50B18, 1" bore	1	E5837*
17	Key, 1/4 sq. x 1"	2	E5915
18	Three-tooth engaging clutch	1	E60011
19	3-bolt clutch base	1	E6002-01
20	Clutch base w/ set & pilot bearing, 2 bolt	1	E60031
21	Clutch spacer, 5/8" long	1	E60041
22	Clutch spacer, 7/16" long	1	E60042
23	Square-end shaft	1	E6006
24	Key, 1/4 x 1-1/2"	1	E9007
25	Key, 1/4" x 3/4"	1	G7508
26	1" flange bearing	1	J0003
27	Roller bearing 1-1/2", 3/8" bore	10	J0045
28	Bolt, 5/16 - 18 x 3/4"	3	J0520
29	Carriage bolt, 5/16 - 18 x 2-1/2"	3	J0589
30	Bolt, 3/8 - 16 x 1-1/4"	4	J0616
31	Bolt, 3/8 - 16 x 1-1/4", zinc plated	1	J06161
32	Screw, 7/16 - 14 x 1-1/2"	10	J0710
33	Stud bolt, 7/16 - 14 x 2-3/4"	4	J07211
34	Screw, 1/2 - 13 x 1-1/4"	3	J0728
35	Bolt, 1-1/2 x 1/2"	3	J0730
36	Hex nut, 5/16" - 18	6	J1002
37	Flat nut, 5/16" - 18	1	J1009
38	Hex nut, 3/8" - 16	2	J1020
39	Lock nut, 3/8" - 16	11	J1025
40	Hex nut, 7/16" - 14	2	J1035
41	Hex nut, 1/2" - 13	3	J1040
42	Setscrew, 5/16" - 18	2	J1080
43	Flat washer, 5/16"	2	J1111
44	Flat washer, 3/8"	11	J1117
45	Flat washer, 7/16"	8	J1120
46	Flat washer, 1/2"	1	J1125
47	Washer, 2-1/2" OD, 3/8" ID, 14ga	1	J1140
48	Split lock washer, 5/16"	6	J1200
49	Split lock washer, 3/8"	3	J1205
50	Split lock washer, 7/16"	10	J1210
51	Lock washer, 1/2"	3	J1215
52	Machine bushing, 1", 18ga	2	J1266
53	Allen-head setscrew, 1/2 x 1-1/4"	2	J1390
54	Sprocket, 50B12H, 1" bore w/ keyway	1	J1660
55	Sprocket, 1" bore	2	J1663
56	#50 chain connector link	1	J1760
57	Double chain link connector, #50	1	J1761
58	Double chain, #50, 13 links	1	S7023

*Order E58371 to receive setscrews with sprocket

**Order E53397 to receive assembled gearbox, bearing plate & sprocket

10" SWEEPWAY CENTER SUMP, E53341



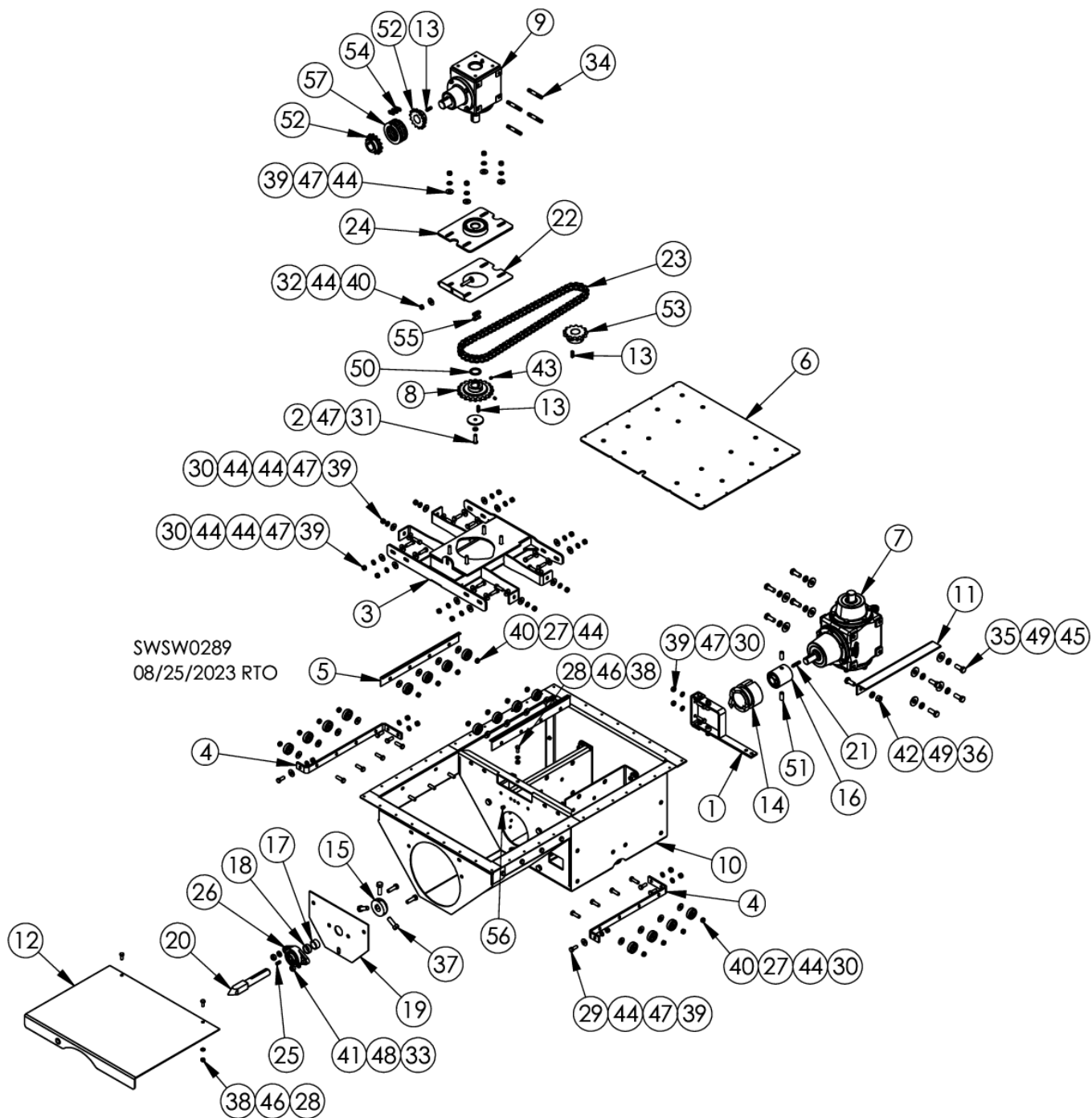
10" SWEEPWAY CENTER SUMP, E53341

REF. #	DESCRIPTION	QTY.	PART #
1	Clutch shifter arm assembly	1	E53132
2	Spacer washer, 3/8" ID, 2-1/4" OD	1	E5324
3	Weld support plate w/ snap ring, 10"	1	E5339
4	Side gate rail	2	E5350-14
5	Sump cover	1	E5354
6	Gearbox support cover	1	E5357
7	Chain cover	1	E5358
8	Lower gearbox	1	E5360
9	Sprocket, 60B20, 1.1811" bore	1	E5373*
10	Top gearbox	1	E53751**
11	Center sump shell	1	E5377
12	Gearbox support angle brace	1	E53874
13	Slide gate	1	E5478
14	Key, 1/4 sq. x 1"	2	E5915
15	Three-tooth engaging clutch	1	E60011
16	3-bolt clutch base	1	E6002-01
17	Clutch base w/ set & pilot bearing, 2 bolt	1	E60031
18	Clutch spacer, 5/8" long	1	E60041
19	Clutch spacer, 7/16" long	1	E60042
20	Mounting plate	1	E60051
21	Square-end shaft	1	E6018
22	Key, 1/4 x 1-1/2"	1	E9007
23	#60 chain, 69 links	1	EU0139
24	Key, 1/4" x 3/4"	1	G7508
25	1" flange bearing	1	J0003
26	Roller bearing 1-1/2", 3/8" bore	10	J0045
27	Bolt, 5/16 - 18 x 3/4"	3	J0520
28	Carriage bolt, 5/16 - 18 x 2-1/2"	3	J0589
29	Bolt, 3/8 - 16 x 1-1/4"	4	J0616
30	Bolt, 3/8 - 16 x 1-1/4", zinc plated	1	J06161
31	Screw, 7/16 - 14 x 1-1/2"	2	J0710
32	Stud bolt, 7/16 - 14 x 2-3/4"	4	J07211
33	Screw, 1/2 - 20 x 1-1/4"	8	J0724
34	Screw, 1/2 - 13 x 1-1/4"	1	J0728
35	Bolt, 1-1/2 x 1/2"	3	J0730
36	Hex nut, 5/16" - 18	6	J1002
37	Flat nut, 5/16" - 18	1	J1009
38	Hex nut, 3/8" - 16	2	J1020
39	Lock nut, 3/8" - 16	11	J1025
40	Hex nut, 7/16" - 14	2	J1035
41	Hex nut, 1/2" - 13	1	J1040
42	Setscrew, 5/16" - 18	4	J1080
43	Flat washer, 5/16"	2	J1111
44	Flat washer, 3/8"	11	J1117
45	Flat washer, 1/2"	8	J1125
46	Washer, 2-1/2" OD, 3/8" ID, 14ga	1	J1140
47	Split lock washer, 5/16"	6	J1200
48	Split lock washer, 3/8"	3	J1205
49	Split lock washer, 7/16"	2	J1210
50	Lock washer, 1/2"	9	J1215
51	Machine bushing, 30mm ID x 4mm OD	1	J1268
52	Allen-head setscrew, 1/2 x 1-1/4"	2	J1390
53	Sprocket, 50B14, 1-1/4" bore	2	J1667
54	Sprocket, 60B13, 1-1/4" bore	1	J1686
55	Double chain link connector, #50	1	J1761
56	#60 chain connector link	1	J1775
57	Double chain, #50, 13 links	1	S7023

*Order E53731 to receive setscrews with sprocket

**Order E53394 to receive assembled gearbox, bearing plate & sprocket

HEAVY DUTY 10" SWEEPWAY CENTER SUMP, E5334H **(Used in bins 15-24 rings tall)**



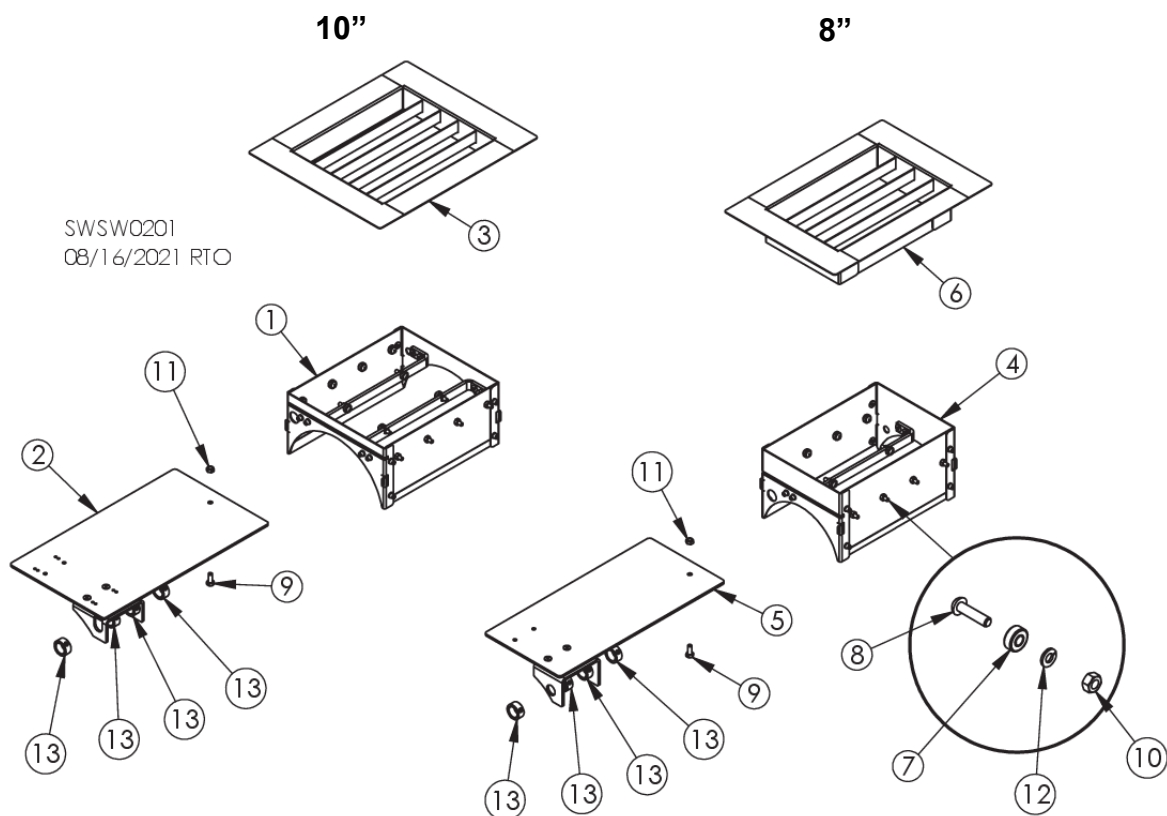
HEAVY DUTY 10" SWEEPWAY CENTER SUMP, E5334H

REF. #	DESCRIPTION	QTY.	PART #
1	Clutch shifter arm assembly	1	E53132
2	Spacer washer, 3/8" ID, 2-1/4" OD	1	E5324
3	Top gearbox support	1	E53362
4	Side gate rail, 2-piece	2	E53364
5	Side gate rail	2	E5350-14
6	Sump cover, HD	1	E53541
7	Lower gearbox	1	E5360
8	Sprocket, 60B20, 1.181" bore	1	E5373*
9	Top gearbox, 1-1/4" shaft	1	E53751**
10	Center sump shell, HD	1	E5377H
11	Gearbox support angle brace	1	E53874
12	Slide gate	1	E5478
13	Key, 1/4 sq. x 1"	3	E5915
14	Three-tooth engaging clutch	1	E60011
15	3-bolt clutch base	1	E6002-01
16	Clutch base w/ set & pilot bearing, 2 bolt	1	E60031
17	Clutch spacer, 5/8" long	1	E60041
18	Clutch spacer, 7/16" long	1	E60042
19	Mounting plate	1	E60051
20	Square-end shaft	1	E6018
21	Key, 1/4 x 1-1/2"	1	E9007
22	Gearbox tensioner plate, HD	1	ED1069
23	#60 chain, 69 links	1	EU0139
24	Top gearbox support bearing	1	EU1262
25	Key, 1/4" x 3/4"	1	G7508
26	1" flange bearing	1	J0003
27	Roller bearing 1-1/2", 3/8" bore	16	J0045
28	Bolt, 5/16 - 18 x 3/4"	3	J0520
29	Screw, 3/8 - 16 x 1"	6	J0606
30	Bolt, 3/8 - 16 x 1-1/4"	22	J0616
31	Bolt, 3/8 - 16 x 1-1/4", zinc plated	1	J06161
32	Carriage bolt, 3/8 x 2"	1	J0651
33	Screw, 7/16 - 14 x 1-1/2"	2	J0710
34	Stud bolt, 7/16 - 14 x 2-3/4"	4	J07211
35	Screw, 1/2 - 20 x 1-1/4"	8	J0724
36	Screw, 1/2 - 13 x 1-1/4"	1	J0728
37	Bolt, 1-1/2 x 1/2"	3	J0730
38	Hex nut, 5/16" - 18	3	J1002
39	Hex nut, 3/8" - 16	24	J1020
40	Lock nut, 3/8" - 16	17	J1025
41	Hex nut, 7/16" - 14	2	J1035
42	Hex nut, 1/2" - 13	1	J1040
43	Setscrew, 5/16" - 18	2	J1080
44	Flat washer, 3/8"	47	J1117
45	Flat washer, 1/2"	8	J1125
46	Split lock washer, 5/16"	3	J1200
47	Split lock washer, 3/8"	25	J1205
48	Split lock washer, 7/16"	2	J1210
49	Lock washer, 1/2"	9	J1215
50	Machine bushing, 30mm ID x 4mm OD	1	J1268
51	Allen-head setscrew, 1/2 x 1-1/4"	2	J1390
52	Sprocket, 50B14, 1-1/4" bore	2	J1667
53	Sprocket, 60B13, 1-1/4" bore	1	J1686
54	Double chain link connector, #50	1	J1761
55	#60 chain connector link	1	J1775
56	Plug, 3/8", black	1	J5069
57	Double chain, #50, 13 links	1	S7023

*Order E53731 to receive setscrews with sprocket

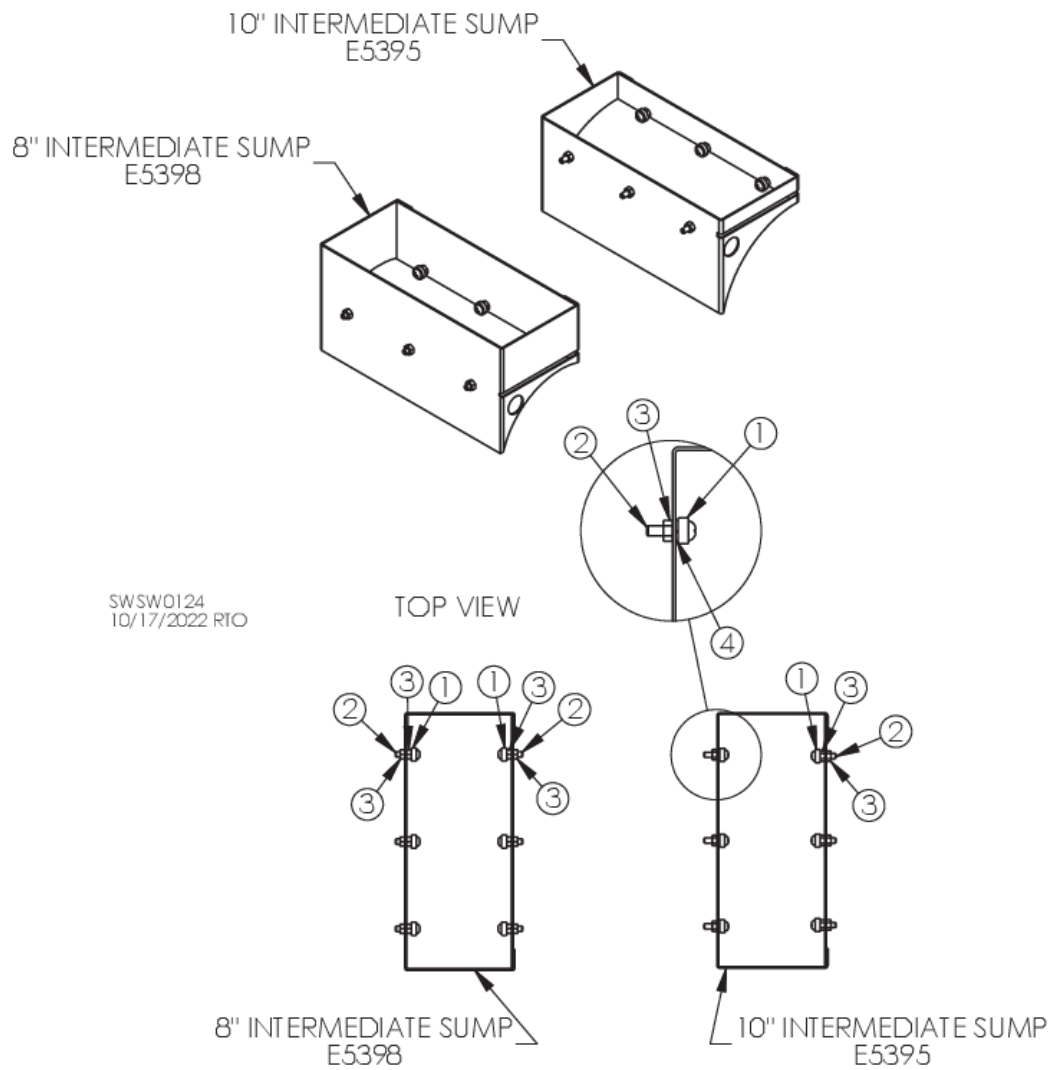
**Order E53398 to receive assembled gearbox, bearing plate & sprocket

INDEPENDENT INTERMEDIATE SUMP 8" & 10"



REF. #	DESCRIPTION	QTY.	PART #
1	Sump bottom, 10"	1	E53951
2	Slide gate, 10"	1	E53963
3	Sump top, 10"	1	E53964
4	Sump bottom, 8"	1	E53981
5	Slide gate, 8"	1	E53987
6	Sump top, 8"	1	E53989
7	Bearing, 1/4" ID, 5/8" OD	10	J0016
8	Screw, 1/4 – 20 x 1"	10	J05081
9	Screw, 5/16 – 18 x 3/4"	1	J0520
10	Hex nut, 1/4" – 20	10	J0990
11	Lock nut, 5/16" – 18	1	J1010
12	Lock washer, 1/4",	10	J1195
13	Shaft collar, 7/8"	4	J1330

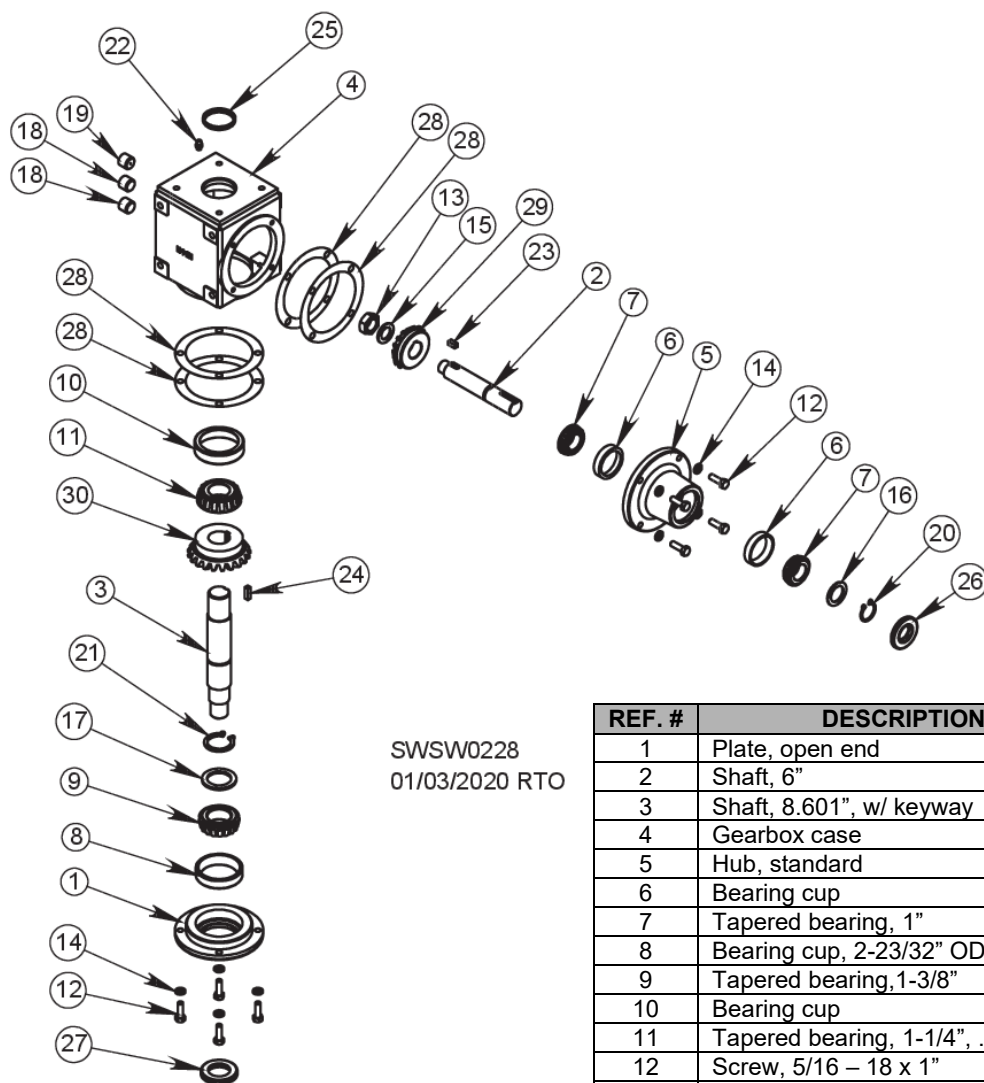
8" & 10" SWEEPWAY INTERMEDIATE SUMPS



REF. #	DESCRIPTION	QTY.	PART #
1	Bearing, 1/4" ID, 5/8" OD	*	J0016
2	Screw, 1/4 – 20 x 1", slotted	*	J05081
3	Hex nut, 1/4" – 20	*	J0990
4	Lock washer, 1/4"	*	J1195

* QTY. varies with sump size

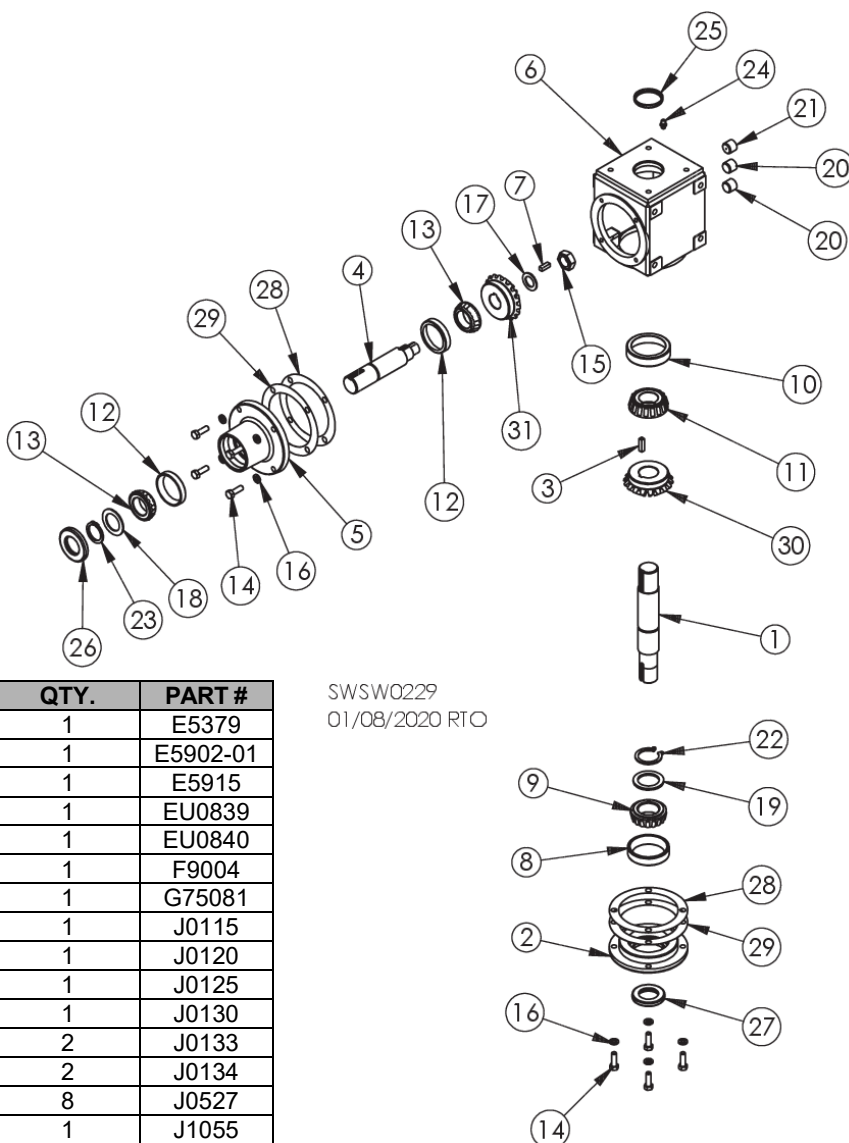
8" SWEEPWAY TOP GEARBOX (E53741)



SWSW0228
01/03/2020 RTO

REF. #	DESCRIPTION	QTY.	PART #
1	Plate, open end	1	E5902-01
2	Shaft, 6"	1	E5905
3	Shaft, 8.601", w/ keyway	1	E5908
4	Gearbox case	1	F9004
5	Hub, standard	1	F9007-01
6	Bearing cup	2	J0105
7	Tapered bearing, 1"	2	J0111
8	Bearing cup, 2-23/32" OD	1	J0115
9	Tapered bearing, 1-3/8"	1	J0120
10	Bearing cup	1	J0125
11	Tapered bearing, 1-1/4", .94	1	J0130
12	Screw, 5/16 – 18 x 1"	8	J0527
13	Lock nut, 3/4" – 16	1	J1055
14	Split lock washer, 5/16"	8	J1200
15	Machine bushing, 3/4 x 1-1/4", 14ga	1	J1260
16	Machine bushing, 1", 14ga	1	J1265
17	Machine bushing, 1-3/8", 10ga	1	J1275
18	1/2" center sunk hex head plug	2	J2615
19	1/2" center sunk head vented plug	1	J2616
20	Snap ring, 1"	1	J3584
21	Snap ring, 1.37"	1	J3589
22	Drive-in grease zerk, 1/4"	1	J3605
23	Key, 1/4" sq. x 9/16"	1	J3618
24	Key, 1/4" x 13/16"	1	J3619
25	Soft plug, 1-7/8"	1	J6980
26	Seal, 1" x 2.004, r/c	1	J6993
27	Seal, 1-3/8" x 2.129, r/c	1	J7010
28	Shim, 3.88" x 5.12 x 0.003	As needed	J7090
29	Gear, 14-tooth, 1" bore	1	J8525
30	Gear, 21-tooth, 1-1/4" bore	1	J8526

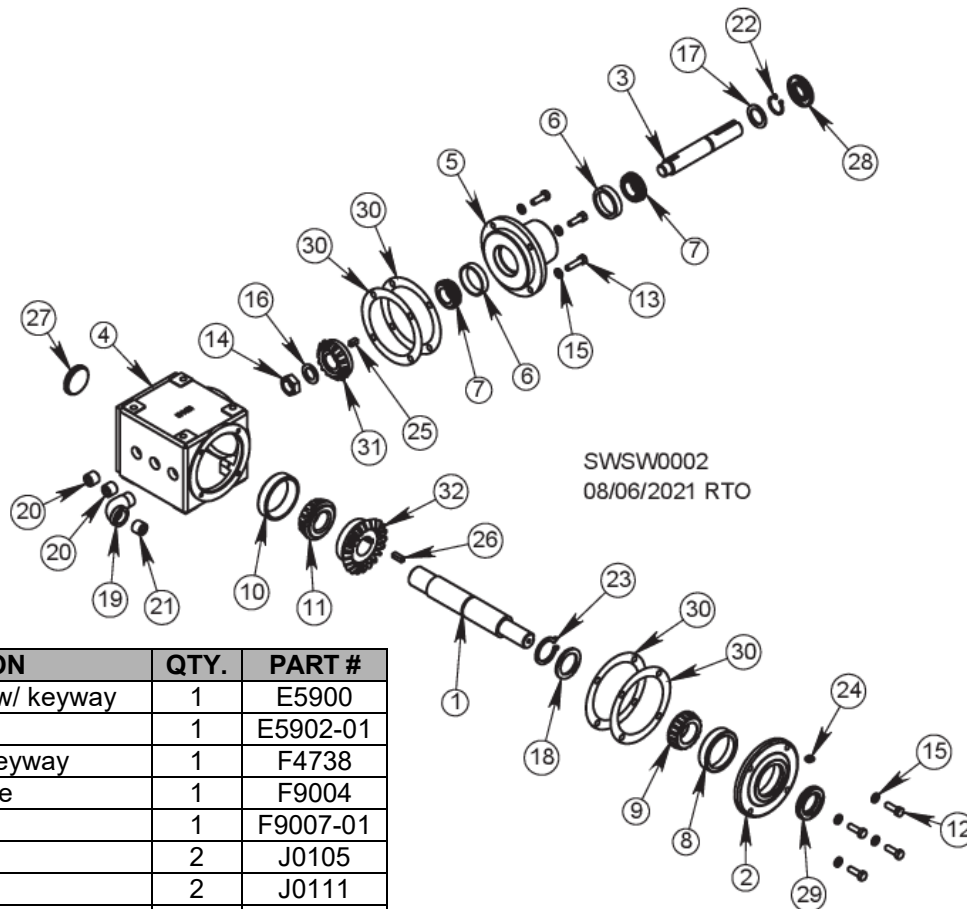
10" SWEEPWAY TOP GEARBOX (E53751)



SWSW0229
01/08/2020 RTO

REF. #	DESCRIPTION	QTY.	PART #
1	Sprocket shaft	1	E5379
2	Plate, open end	1	E5902-01
3	Key, 1/4" x 1"	1	E5915
4	Shaft, 8"	1	EU0839
5	Output hub, 1-1/4" shaft	1	EU0840
6	Gearbox case	1	F9004
7	Key, 1/4" sq. x 3/4"	1	G75081
8	Bearing cup, 2-23/32 OD	1	J0115
9	Tapered bearing, 1-3/8"	1	J0120
10	Bearing cup	1	J0125
11	Tapered bearing, 1-1/4", .94	1	J0130
12	Bearing cup	2	J0133
13	Tapered bearing, 1-1/4"	2	J0134
14	Screw, 5/16 - 18 x 1	8	J0527
15	Lock nut, 3/4" - 16	1	J1055
16	Split lock washer, 5/16"	8	J1200
17	Machine bushing, 3/4 x 1-1/4", 14ga	1	J1260
18	Machine bushing, 1-1/4", 14ga	1	J1273
19	Machine bushing, 1-3/8", 10ga	1	J1275
20	1/2" center sunk hex head plug	2	J2615
21	1/2" center sunk head vented plug	1	J2616
22	Snap ring, 1.37"	1	J3589
23	Snap,ring,1-3/4"	1	J35981
24	Drive-in grease zerk, 1/4"	1	J3605
25	Soft plug, 1-7/8"	1	J6980
26	Seal, 1-1/4 2.378	1	J7005
27	Seal, 1-3/8" x 2.129, r/c	1	J7010
28	Plastic shim, 0.003" thick	As needed	J7090
29	Plastic shim, 0.010 thick	As needed	J70901
30	Beveled gear, 18-tooth, 1-1/4" bore	1	J8528
31	Beveled gear, 18-tooth, 1" bore	1	J8529

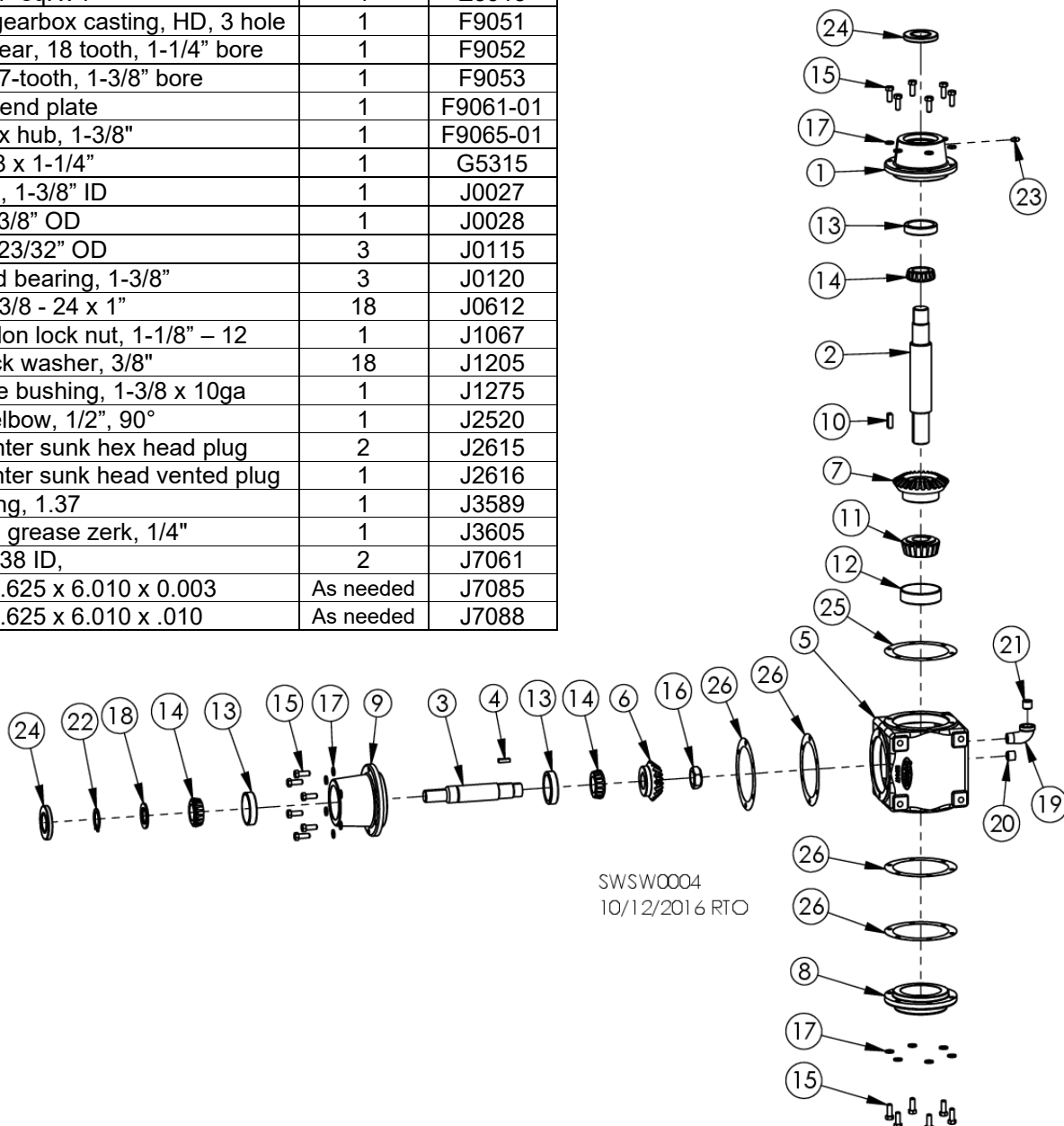
8" SWEEPWAY LOWER GEARBOX



REF. #	DESCRIPTION	QTY.	PART #
1	Shaft, 9-3/4" x 1-3/8", w/ keyway	1	E5900
2	Plate, open end	1	E5902-01
3	Shaft, 1" x 6-1/2", w/ keyway	1	F4738
4	Gearbox case, two hole	1	F9004
5	Hub, standard	1	F9007-01
6	Bearing cup	2	J0105
7	Bearing, 1", tapered	2	J0111
8	Cup, 2-23/32" OD	1	J0115
9	Bearing, tapered, 1-3/8"	1	J0120
10	Bearing cup	1	J0125
11	Bearing, tapered, 1-1/4", .94	1	J0130
12	Screw, 5/16 – 18 x 1"	6	J0527
13	Screw, 5/16 – 18 x 1-1/4"	2	J0550
14	Lock nut, 3/4" - 16, nylon	1	J1055
15	Split lock washer, 5/16"	8	J1200
16	Machine bushing, 3/4", 14ga	1	J1260
17	Machine bushing, 1", 14ga	1	J1265
18	Machine bushing, 1-3/8, 10ga	1	J1275
19	Elbow, 1/2", 90°	1	J2520
20	1/2" center sunk hex head plug	2	J2615
21	1/2" center sunk head vented plug	1	J2616
22	Snap ring, 1"	1	J3584
23	Snap ring, 1.37"	1	J3589
24	Drive-in grease zerk, 1/4"	1	J3605
25	Key, 1/4" sq. x 9/16"	1	J3618
26	Key, 1/4" x 13/16"	1	J3619
27	Soft plug, 1-7/8"	1	J6980
28	Seal, 1" x 2.004, r/c	1	J6993
29	Seal, 1-3/8" x 2.129, r/c	1	J7010
30	Shim, 3.88" x 5.12 x 0.003	4	J7090
31	Gear, 14-tooth, 1" bore	1	J8525
32	Gear, 21-tooth, 1-1/4" bore	1	J8526

10" SWEEPWAY LOWER GEARBOX

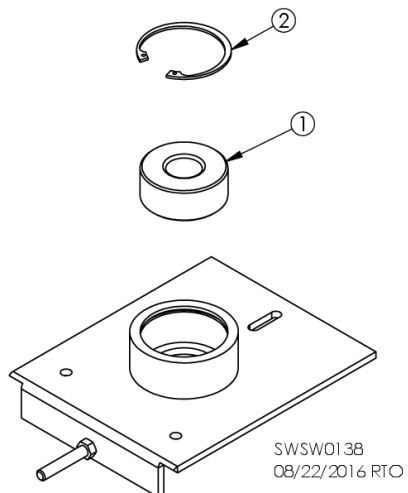
REF. #	DESCRIPTION	QTY.	PART #
1	Hub casting, HD, 1-3/8", 10", 1998	1	E5365
2	Gearbox shaft, 10"	1	E5366
3	Shaft, 8-5/16"	1	E5367
4	Key, 1/4" sq. x 1"	1	E5915
5	Lower gearbox casting, HD, 3 hole	1	F9051
6	Bevel gear, 18 tooth, 1-1/4" bore	1	F9052
7	Gear, 27-tooth, 1-3/8" bore	1	F9053
8	Closed end plate	1	F9061-01
9	Gearbox hub, 1-3/8"	1	F9065-01
10	Key, 3/8 x 1-1/4"	1	G5315
11	Bearing, 1-3/8" ID	1	J0027
12	Cup, 3-3/8" OD	1	J0028
13	Cup, 2-23/32" OD	3	J0115
14	Tapered bearing, 1-3/8"	3	J0120
15	Screw, 3/8 - 24 x 1"	18	J0612
16	Thin nylon lock nut, 1-1/8" - 12	1	J1067
17	Split lock washer, 3/8"	18	J1205
18	Machine bushing, 1-3/8 x 10ga	1	J1275
19	Street elbow, 1/2", 90°	1	J2520
20	1/2" center sunk hex head plug	2	J2615
21	1/2" center sunk head vented plug	1	J2616
22	Snap ring, 1.37	1	J3589
23	Drive-in grease zerk, 1/4"	1	J3605
24	Seal, 1.38 ID,	2	J7061
25	Shim, 4.625 x 6.010 x 0.003	As needed	J7085
26	Shim, 4.625 x 6.010 x .010	As needed	J7088



SWSW0004
10/12/2016 RTO

TOP GEARBOX BEARING SUPPORT SLIDE PLATE

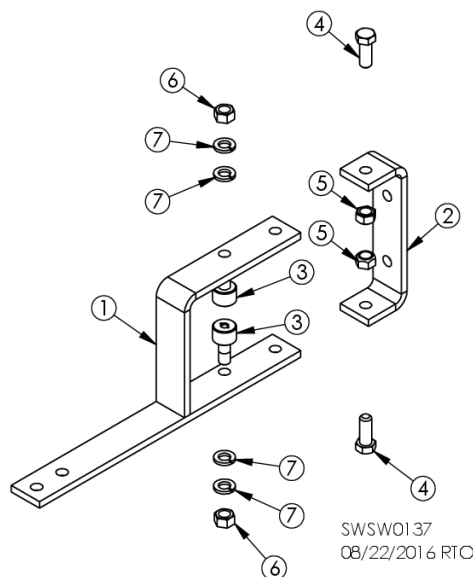
E5339 (8" & 10")



REF. #	DESCRIPTION	QTY.	8" & 10" PART #
1	Bearing, 1.1811 ID, 2.8346 OD	1	J00599
2	Snap ring, 2.047"	1	J35991

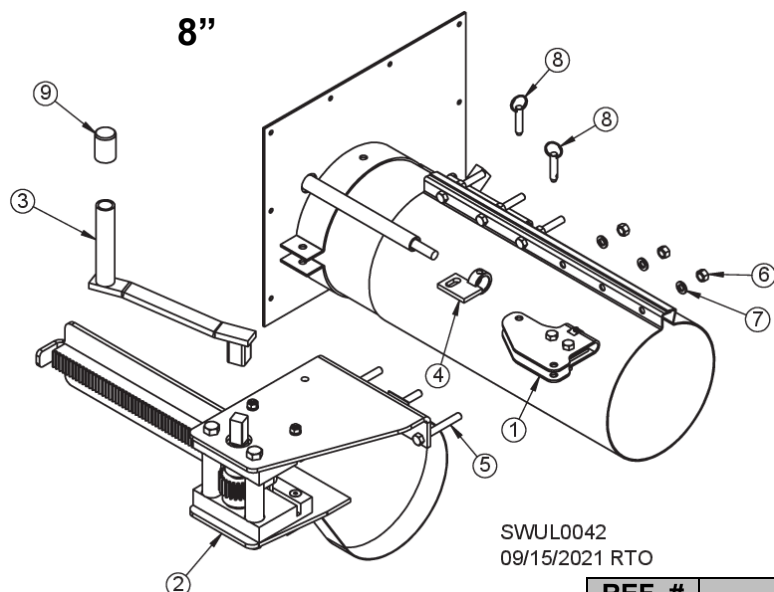
CLUTCH SHIFTER ARM

E53132 (8" & 10")

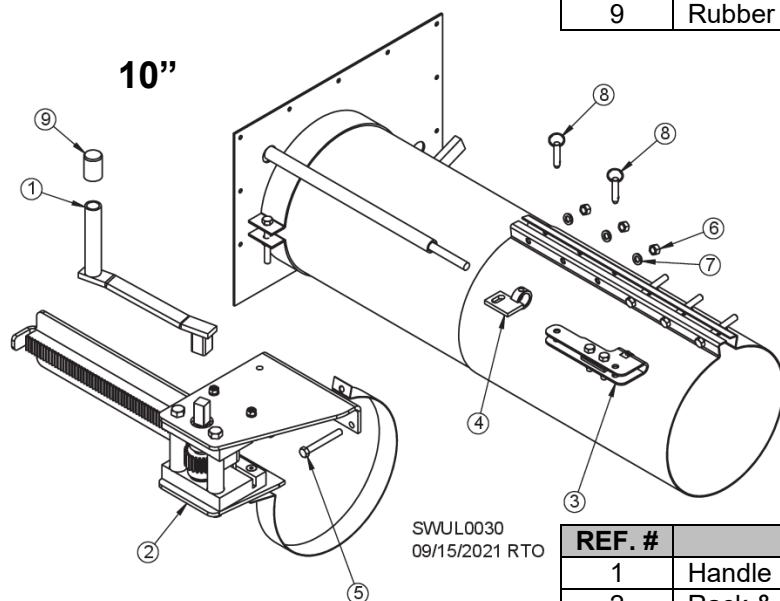


REF. #	DESCRIPTION	QTY.	8" & 10" PART #
1	Clutch arm weldment	1	E5351
2	Clutch shifter support bracket	1	E5352
3	Bearing, 3/4", cam follower	2	J0035
4	Screw, 3/8 -16 x 1"	2	J0606
5	Lock nut, 3/8" – 16	2	J1025
6	Hex nut, 3/8" – 24	2	J1030
7	Split lock washer, 3/8"	4	J1205

SUMP OPENERS E5443 FOR 8" & E5444 FOR 10" SWEEPWAYS

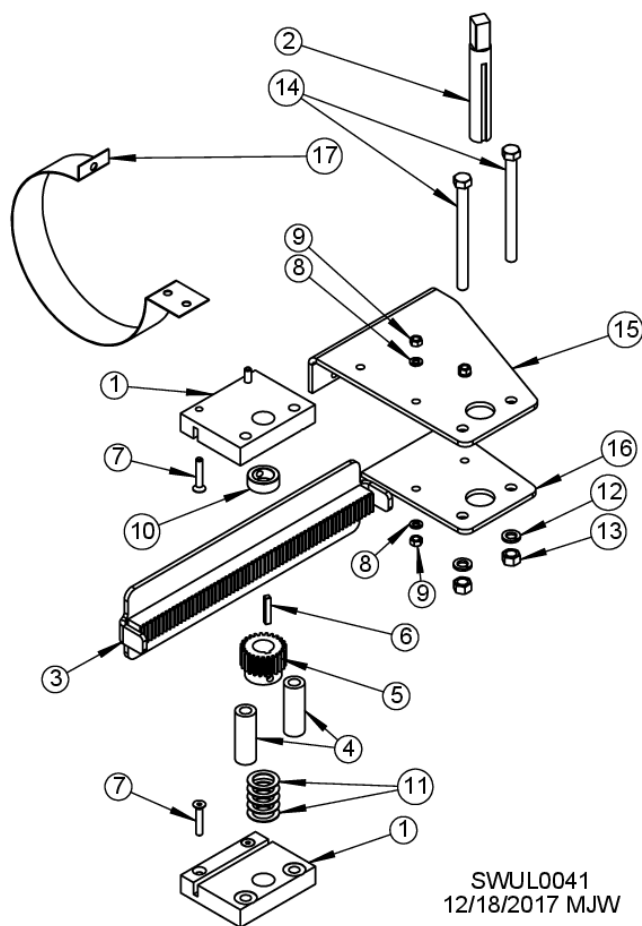


REF. #	DESCRIPTION	QTY.	PART #
1	Center sump pull rod connector	1	E59141
2	Rack & pinion opener assy.	1	E5919
3	Handle	1	E5967
4	Intermediate sump pull rod connector	1	E5998
5	Screw, 3/8 - 16 x 3"	6	J0660
6	Nut, 3/8" - 16	6	J1020
7	Lock washer, 3/8"	6	J1205
8	Quick-release pin, 3/8" x 1"	2	J1554
9	Rubber cap, 1"	1	J2232



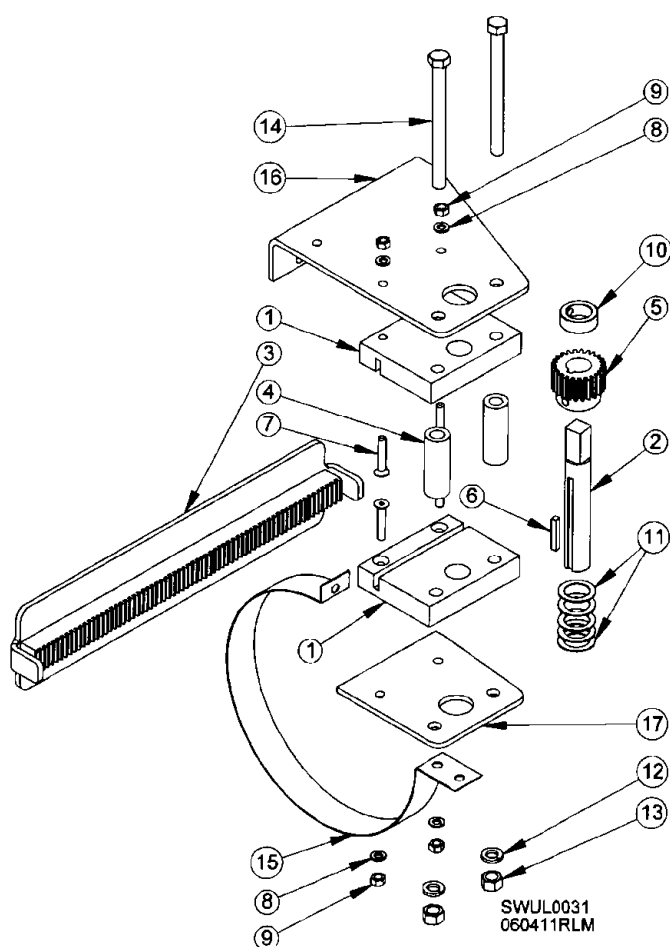
REF. #	DESCRIPTION	QTY.	PART #
1	Handle	1	E5967
2	Rack & pinion opener assy.	1	E5969
3	Center sump pull rod connector	1	E59971
4	Intermediate sump pull rod connector	1	E5998
5	Screw, 3/8 - 16 x 3"	6	J0660
6	Nut, 3/8" - 16	6	J1020
7	Lock washer, 3/8"	6	J1205
8	Quick-release pin, 3/8" x 1"	2	J1554
9	Rubber cap, 1"	1	J2232

8" & 10" SWEEPWAY RACK & PINION OPENERS



8" (E5919)

REF. #	DESCRIPTION	QTY.	PART #
1	Slide guide	2	E5962
2	Opener crank shaft	1	E5964
3	Slide plate rack weldment	1	E5916
4	Spacer	2	E5966
5	Pinion gear	1	E5961
6	Key, 1/4 x 1-1/2"	1	E9007
7	Screw, 5/16 - 18 x 1-3/4"	8	J0579
8	Split lock washer, 5/16"	8	J1200
9	Hex nut, 5/16" - 18	8	J1002
10	Shaft collar, 1"	1	J1335
11	Machine bushing, 1", 18ga	5	J1266
12	Lock washer, 1/2"	2	J1215
13	Hex nut, 1/2" - 13	2	J1040
14	Screw, 1/2 - 13 x 6"	2	J0762
15	Top frame	1	E5918
16	Bottom frame	1	E5917
17	Support strap	1	E5913

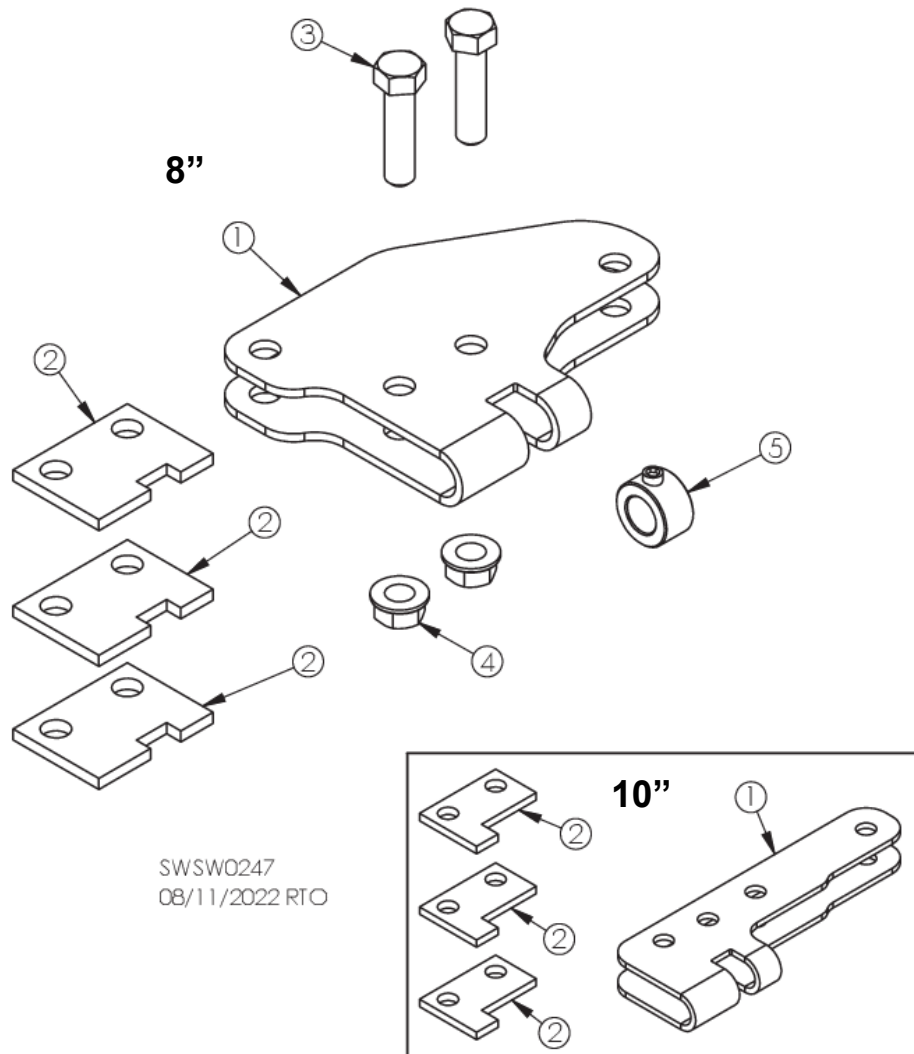


10" (E5969)

REF. #	DESCRIPTION	QTY.	PART #
1	Slide guide	2	E5962
2	Opener crank shaft	1	E5964
3	Slide plate rack weldment	1	E5963
4	Spacer	2	E5966
5	Pinion gear	1	E5961
6	Key, 1/4 x 1-1/2"	1	E9007
7	Screw, 5/16 - 18 x 1-3/4"	8	J0579
8	Split lock washer, 5/16"	8	J1200
9	Hex nut, 5/16" - 18	8	J1002
10	Shaft collar, 1"	1	J1335
11	Machine bushing, 1", 18ga	5	J1266
12	Lock washer, 1/2"	2	J1215
13	Hex nut, 1/2" - 13	2	J1040
14	Screw, 1/2 - 13 x 6"	2	J0762
15	Support strap	1	E5968
16	Top frame	1	E5965-02
17	Bottom frame	1	E5965-01

For 8", order E5443 for complete opener w/ attachment brackets; for 10", order E5444

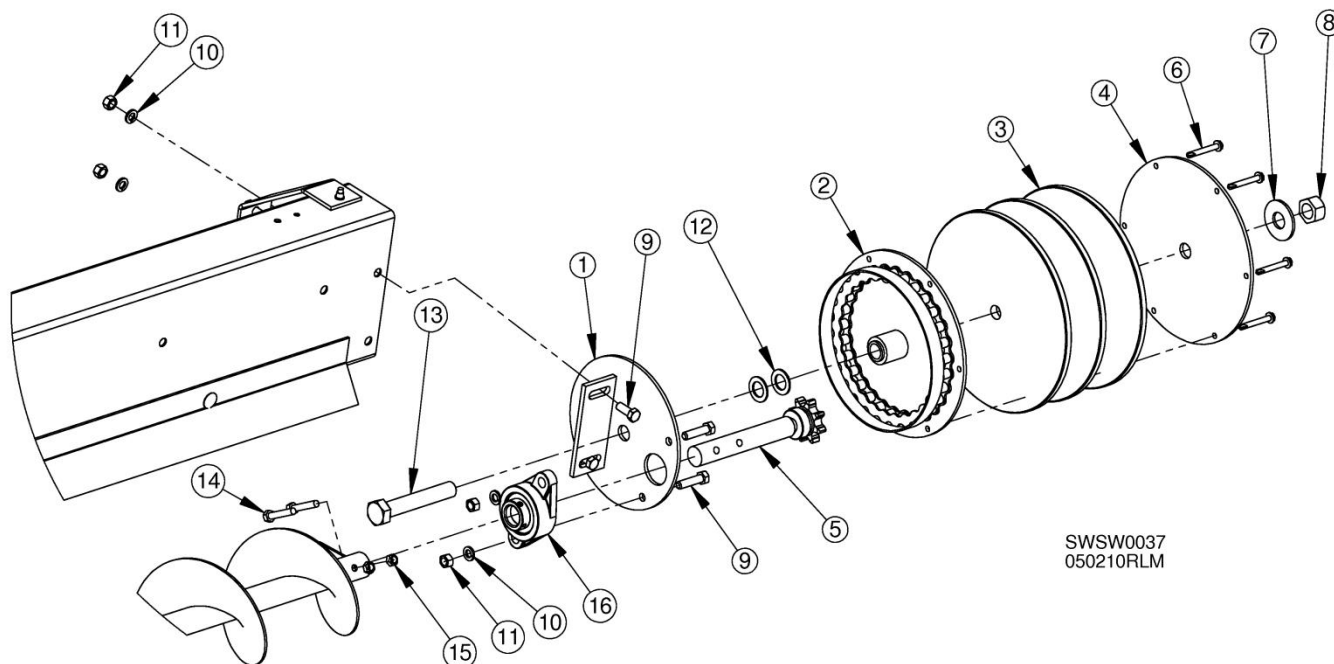
PULL ROD CONNECTOR PARTS



REF. #	DESCRIPTION	QTY.	E59141	E59971
1	Pull rod connector bracket	1	E59142	E59972
2	Spacer	3	E59143	E59973
3	Screw, 3/8 – 16 x 1-1/2"	2	J0627	J0627
4	Whiz nut, 3/8" - 16	2	J1017	J1017
5	Shaft collar, 1/2"	1	J1320	J1320

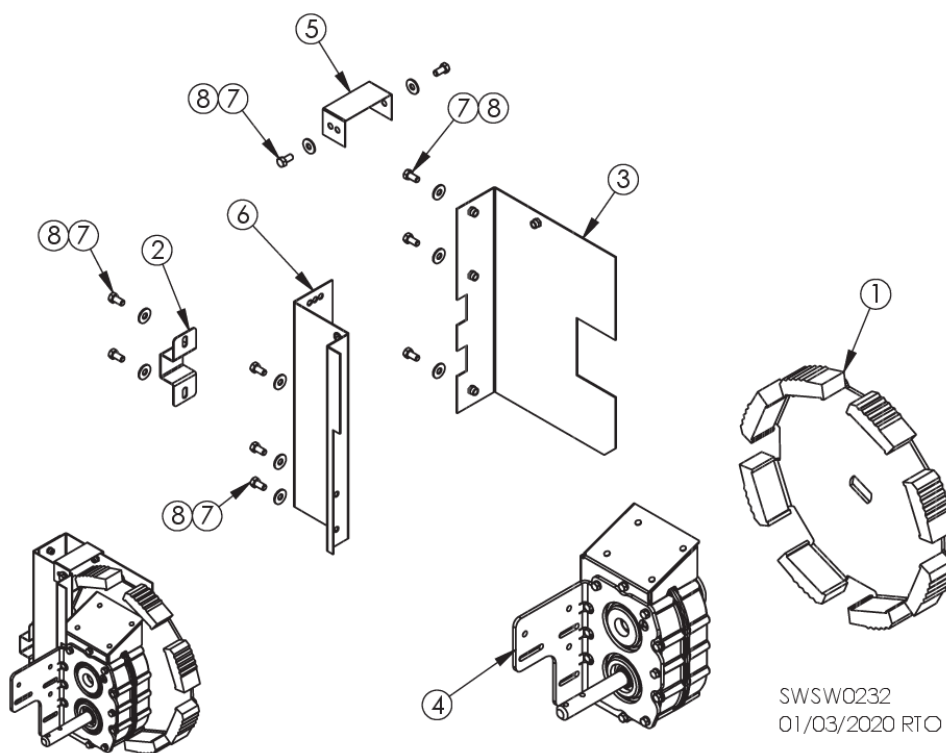
KIT E59141 IS FOR 8"; E59971 IS FOR 10"

4:1 REDUCTION DRIVE WHEEL **Standard on 8" sweeps in bins up to 33' dia.**



REF. #	DESCRIPTION	QTY.	PART #
	Complete wheel		E6092
1	4:1 Reduction drive wheel mount assy., w/ brng.	1	E6096
2	Back plate w/ roller	1	E6087
3	10" rubber ring	4	J0271
4	Back plate, 9-1/4" dia.	1	E6088
5	Drive shaft w/ 8-tooth sprocket	1	E6049
6	Self-drilling screw, 1/4 - 14 x 2-1/4"	6	J05041
7	Flat washer, 3/4"	1	J1130
8	Lock nut, 3/4" - 10	1	J1057
9	Screw, 3/8 - 16 x 1"	4	J0606
10	Split lock washer, 3/8"	4	J1205
11	Hex nut, 3/8" - 16	4	J1020
12	Machine bushing, 3/4 x 1-1/4", 14ga	2	J1260
13	Screw, 3/4 - 10 x 4-1/2"	1	J0817
14	Screw, 5/16 - 18 x 1-3/4"	2	J0570
15	Lock nut, 5/16" - 18	2	J1010
16	1" flange bearing w/ locking collar	1	J0003

16:1 DRIVE WHEEL & RECLAIM SHIELD



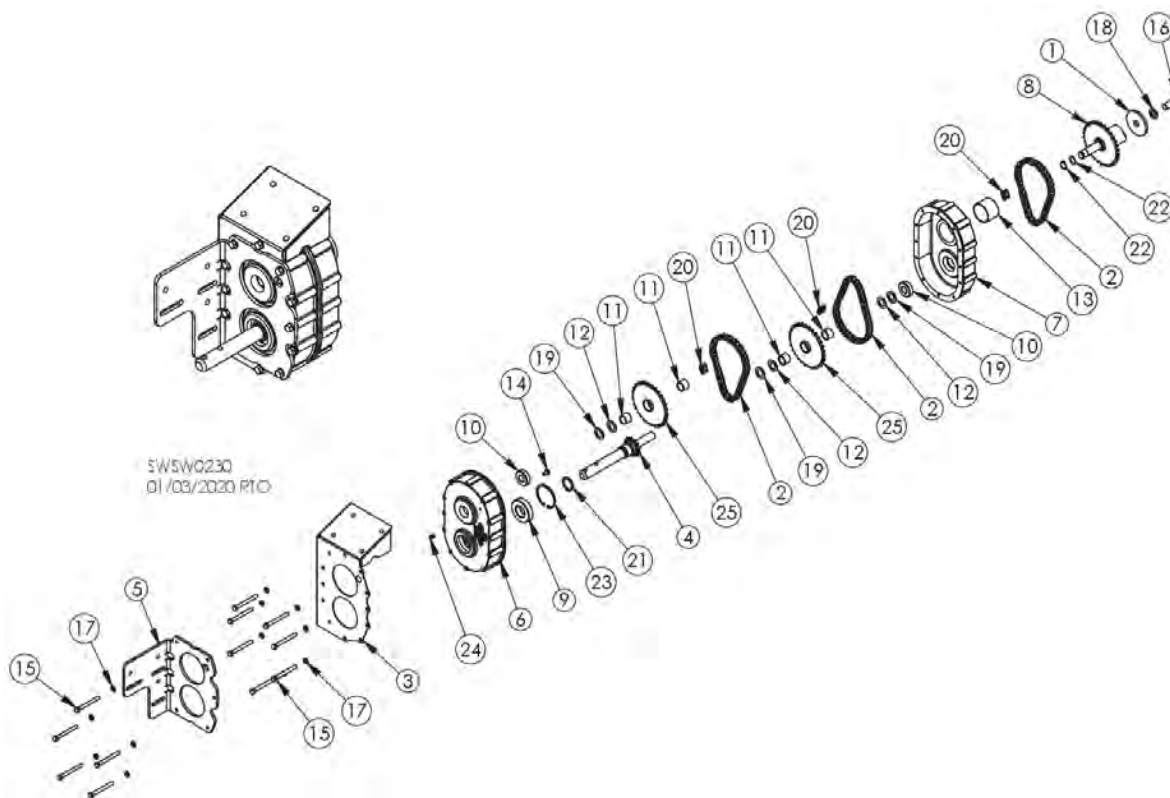
ITEM #	DESCRIPTION	8" PART #	10" PART #	QTY.
1	Drive wheel, w/ green tread*	E73491	E73491	1
2	Shield bracket	E7381	E7381	1
3	Reclaim shield extension plate	E7397	E7397	1
4	Gearbox, w/ mount	E7408	EU8246	1
5	Brace	E7412	E7412	1
6	Reclaim shield	E7421	E7416	1
7	Screw, 3/8 – 16 x 3/4"	J0605	J0605	10
8	Flat washer, 3/8"	J1117	J1117	10

***Order E73492 for wheel w/ black rubber treads**

**Order E7414 for kit of eight green poly treads or E73491-01 for a single green poly tread.
Order E7415 for kit of 8 black rubber treads or E73492-01 for a single black rubber tread.**

NOTE: Green poly tread is for use on Hawk Cut flashing. Black rubber tread is for use on perforated flashing.

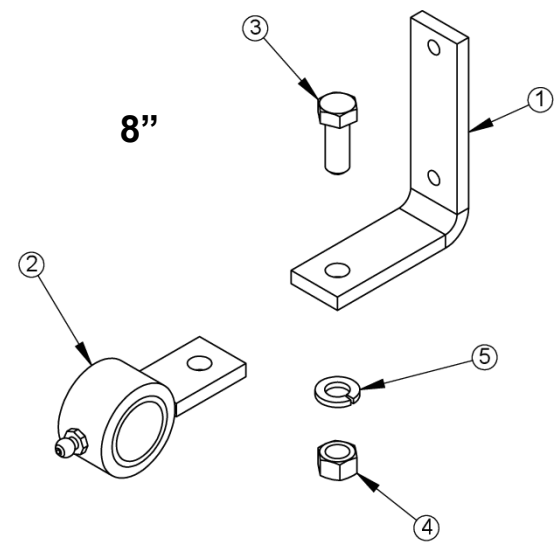
16:1 DRIVE WHEEL SPEED REDUCER (E7408 for 8", EU8246 for 10")



REF. #	DESCRIPTION	QTY.	8" PART #	10" PART #
1	Flat washer, 11/16"	1	E7322	E7322
2	Chain, # 40, 37 links	3	E7327	E7327
3	Grain deflector	1	E7407	E7413
4	Input shaft	1	E7419	EU8249
5	Mounting bracket	1	E7428	E7411
6*	Input side of gearbox	1	EU8247	EU8247
7*	Output side of gearbox	1	EU8248	EU8248
8	Output shaft	1	EU8250	EU8250
9	Bearing, 1-1/4" ID, 2-1/2" OD	1	J0060	J0060
10	Bearing, 3/4" ID, 1-5/8" OD	2	J00703	J00703
11	Bushing, 3/4" ID, 1-3/4" OD	4	J00745	J00745
12	Thrust washer, 3/4" ID, 1-1/4" OD	3	J00746	J00746
13	Bushing, 1-15/16" ID, 2-1/8" OD	1	J00817	J00817
14	Screw, 1/4 - 20 x 1/2"	1	J05083	J05083
15	Screw, 5/16 - 18 x 3"	12	J05952	J05952
16	Screw, 5/8 - 11 x 1-1/2"	1	J0781	J0781
17	Split lock washer, 5/16"	12	J1200	J1200
18	Split lock washer, 5/8"	1	J1218	J1218
19	Machine bushing, 3/4 x 1-1/4", 14ga	3	J1260	J1260
20	Connector link, #40 chain	3	J1745	J1745
21	Snap ring, 1-3/4"	1	J35981	J35981
22	Snap ring, 3/4"	2	J35983	J35983
23	Snap ring, 2-1/2"	1	J35984	J35984
24	Grease zerk, drive-in, 1/4"	1	J3605	J3605
25	Sprocket	2	J7312	J7312

*Must be replaced together if replacement necessary

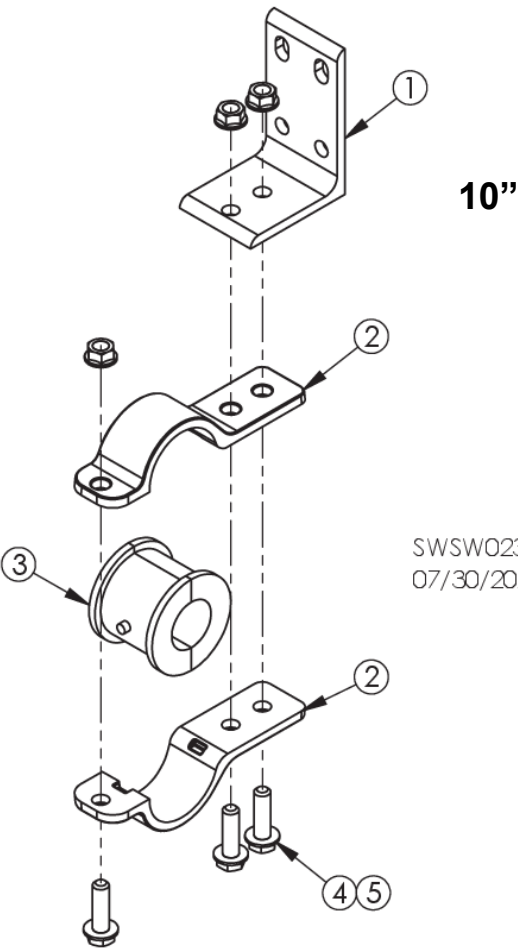
SWEEP AUGER SUPPORT BUSHING



SWSW0203
05/31/2018 RTO

REF. #	DESCRIPTION	QTY.	8" PART #
	Complete assembly	1	E60901
1	Mounting bracket	1	E60631
2	Sweep auger bushing	1	E6065
3	Screw, 3/8 - 16 x 1"	1	J0606
4	Hex nut, 3/8" - 16	1	J1020
5	Lock washer, 3/8"	1	J1205

REF. #	DESCRIPTION	QTY.	10" PART #
1	Bearing support bracket	1	E60915
2	Bearing holder	2	E60916
3	Bushing, wood, 1-1/4" ID	1	J0096
4	Screw, 3/8 - 16 x 1-1/4"	3	J06112
5	Whiz nut, 3/8" - 16	3	J1017



SWSW0231
07/30/2021 RTO

QUICK REFERENCE PARTS LISTS

OPTIONAL - FARM-DUTY MOTORS (1750)

HP	PH	FRAME	SHAFT	PART #
2	1	E182T	1-1/8"	H2175
	3	F145T	7/8"	H2475
3	1	J184T	1-1/8"	H2845
	3	E182T	1-1/8"	H3345
5	1	L184T	1-1/8"	H3675
	3	F184T	1-1/8"	H4190
7.5	1	K215T	1-3/8"	H4900
	3	213T	1-3/8"	H4910
10	1	215T	1-3/8"	H5300
	3	215T	1-3/8"	H5310
15	3	254T	1-5/8"	H6110
20	3	256T	1-5/8"	H6610

All motors are TEFC (Totally enclosed, fan cooled).

MOTOR PULLEYS

DIA.	BORE	GROOVE	SINGLE	DOUBLE	TRIPLE
3-1/2" OD	5/8"	B	J0309	----	----
	7/8"	B	J0310	J0315	----
	1-1/8"	B	J0312	J0317	----
	1-3/8"	B	J0313	J0318	J0331
3-3/4" OD	1-5/8"	B	----	J03211*	J0332*

*Requires split-taper bushing to obtain bore size. Order "SH" for 3-3/4".

SPLIT TAPER BUSHINGS

BUSHING	1-1/8" BORE	1-3/8" BORE	1-5/8" BORE	1-7/8" BORE
SD	J04191	J04264	J04263	J04284
SDS	J04194	J04241	----	----
SH	----	----	J04242	----

HORIZONTAL POWERHEAD SAFETY SHIELD KITS

UNLOAD TUBE DIA.	DESCRIPTION	PART #
8"	Std. enclosed shield, w/ brackets	E5982
10"	Std. enclosed shield, w/ brackets	E5983

UNLOAD AUGER FLIGHTING

8" SWEEPWAY

BIN DIA.	PART #	PART #
*15'-15' 6"	----	E6450
16' 5" (5M)	----	E6449
*18'-18' 7"	----	E6451
19' 8" (6M)	----	E64510
*21'-21' 8"	----	E6452
22' 11" (7M)	----	E64521
*24'-24' 9"	----	E6453
26' 3" (8M)	----	E64531
*27'-27' 10"	----	E6454
29' 6" (9M)	----	E64541
*30'-31'	----	E6455
*33'-34'	----	E6456
36' (11M)	----	E6457
37' 1"	----	E6457
42'	E6472	E64582
42' 8" (13M)	E6472	E64584
43' 3"	E6472	E64591
48'	E6472	E64602
49' 3" (15M)	E6472	E64611
54'	E6472	E64621
55' 8"	E6472	E64631
60'	E6472	E64641
61' 10"	E6472	E64651

* In larger bin dia. listed, use E5328 adapter to extend sweep.

10" SWEEPWAY

BIN DIA.	PART #	PART #
*21'-21' 8"	----	E6482
22' 11" (7M)	----	E64821
*24'-24' 9"	----	E6483
26' 3" (8M)	----	E64831
*27'-27' 10"	----	E6484
29' 6" (9M)	----	E64841
*30'-31'	----	E6485
*33'-34'	E6497	E64861
36' (11M)	E6497	E64871
37' 1"	E6497	E64871
42'	E6497	E64883
42' 8" (13M)	E6497	E64884
43' 3"	E6497	E64891
48'	E6497	E64901
49' 3" (15M)	E6497	E64911
54'	E6497	E64922
55' 8"	E6497	E64932
60'	E6497	E64941
61' 10"	E6497	E64951

*In larger bin dia. listed, use EU8253 adapter to extend sweep.

SWEEP AUGER REPLACEMENT PARTS

Tables below show replacement auger part numbers & lengths. Backboard Assy. includes backboard, auger, torsion tube & hardware. Sections are numbered from middle of bin to sidewall.

BIN DIA	Backboard Assy.	1st Auger	Length	2nd Auger	Length	3rd Auger	Length	4th Auger	Length	5th Auger	Length
15'	E10815	E11886	67"	----	----	----	----	----	----	----	----
18'	E10818	E11885	85"	----	----	----	----	----	----	----	----
21'	E10821	E11883	31"	E11880	70-1/2"	----	----	----	----	----	----
24'	E10824	E11884	49"	E11880	70-1/2"	----	----	----	----	----	----
27'	E10827	E11883	31"	E11880	70-1/2"	E11882	34-1/2"	----	----	----	----
30'	E10830	E11884	49"	E11880	70-1/2"	E11882	34-1/2"	----	----	----	----
33'	E10833	E11883	31"	E11880	70-1/2"	E11880	70-1/2"	----	----	----	----
36'	E10836	E11884	49"	E11880	70-1/2"	E11880	70-1/2"	----	----	----	----
42'	E10842	E11881	47-1/2"	E11880	70-1/2"	E11880	70-1/2"	E11882	34-1/2"	----	----
48'	E10848	E11881	47-1/2"	E11880	70-1/2"	E11880	70-1/2"	E11880	70-1/2"	----	----
54'	E10854	E11881	47-1/2"	E11880	70-1/2"	E11880	70-1/2"	E11880	70-1/2"	E11882	34-1/2"
60'	E10860	E11881	47-1/2"	E11880	70-1/2"	E11880	70-1/2"	E11880	70-1/2"	E11880	70-1/2"

Replacement augers for 8" Sweepways

BIN DIA	Backboard Assy.	1st Auger	Length	2nd Auger	Length	3rd Auger	Length	4th Auger	Length	5th Auger	Length
24'	E10024	EU8205	49-1/2"	EU8222	69-1/2"	----	----	----	----	----	----
27'	E10027	EU8260	31-1/2"	EU8222	69-1/2"	EU8221	33-1/2"	----	----	----	----
30'	E10030	EU8205	49-1/2"	EU8222	69-1/2"	EU8221	33-1/2"	----	----	----	----
33'	E10033	EU8260	31-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	----	----	----	----
36'	E10036	EU8205	49-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	----	----	----	----
42'	E10042	EU8205	49-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	EU8221	33-1/2"	----	----
48'	E10048	EU8205	49-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	----	----
54'	E10054	EU8205	49-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	EU8221	33-1/2"
60'	E10060	EU8205	49-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	EU8222	69-1/2"	EU8222	69-1/2"

Replacement augers for 10" Sweepways

NOTE: Tables apply to sweeps produced in 2020 and after.

NOTES



CONTACT INFORMATION

Sukup Dealer Information

Dealer name: _____

Address: _____

Cell phone: _____

Office phone: _____

Fax: _____

In Case of Emergency

Have emergency numbers and written directions to your location near a phone.
Arrange and practice a safety plan.

Ambulance • Fire • Police: 9-1-1

Bin rescue team: _____

Local EMS team: _____

911 Address of work site: _____

Directions to work site: _____

PRODUCT WARRANTY **REGISTRATION**

Please scan QR code
to register online.



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