



OPERATOR'S MANUAL



MADE IN THE USA

TABLE OF CONTENTS

GENERAL INFORMATION	3
SPECIFICATIONS	4
SAFE OPERATION	5
CONTROLS AND OPERATION (DRIVING)	6
DASH PANEL	6
STRIKER SET-UP	6
OPERATION	7
CONTROLS AND OPERATION (SPREADER)	9
SPREADER CALIBRATION / RATE CHARTS	10
SPREADER AND HOPPER CLEANING	10
HOPPER DRAIN INSTRUCTIONS	11
CONTROLS AND OPERATION (SPRAYER)	12
SPRAYER ON/OFF CONTROLS	12
SPRAYER PUMP CONTROLS	13
LIQUID TANK CONTROLS / HOSE REEL OPERATION	14
STANDARD VOLUME SPRAY CHART	15
CARE & MAINTENANCE	16
DRAWINGS & DIAGRAMS	19
NOTES	73
WARRANTY	77

GENERAL INFORMATION

Thank you for your purchasing a Steel Green machine! Please read and understand this manual before operating this piece of equipment. This manual will assist you in areas of operation, safety, and maintenance. Any unresolved question can be directed to Steel Green Mfg. We at Steel Green are excited to hear feedback from our customer base so we can continue to provide you with the most productive and efficient equipment possible.

NOTE: *This manual and all information and illustrations were accurate at the time of publication. Steel Green Mfg. reserves the right to make changes without notice.*

IMPORTANT: READ SAFETY RULES AND INSTRUCTIONS CAREFULLY.

WARNING!

Steel Green units are equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the State of California, the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service dealer or contact the service department

Serial Number: _____

Date Purchased: _____

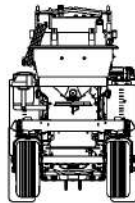
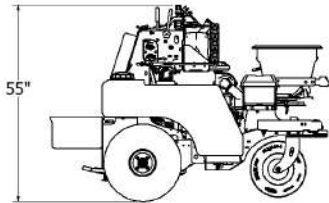
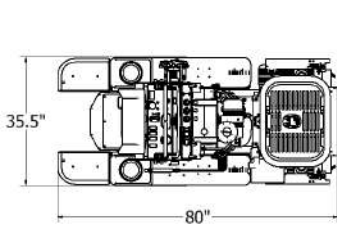
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Dealer Phone Number: _____

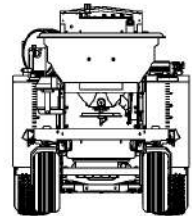
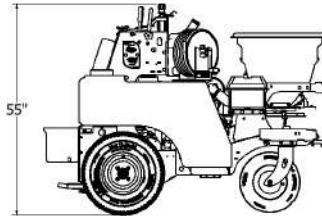
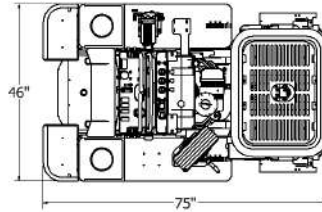
SPECIFICATIONS

Dimensions:

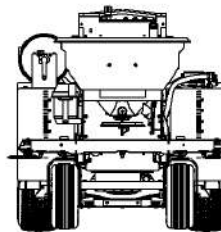
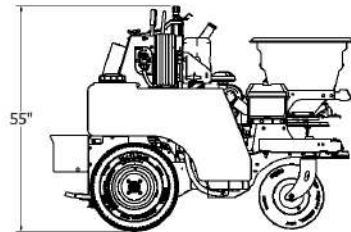
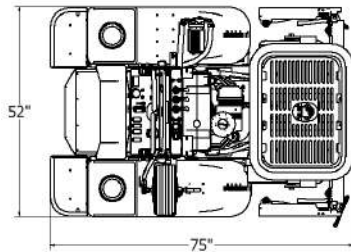
MODEL SG36



MODEL SG46



MODEL SG52



DESCRIPTION	SG36	SG46	SG52
Weight	935	950	970
Front tire	16 x 6.50-8		
Rear tire	21 x 7.00-10	22 x 11.00-10	
Spray Capacity	30 gal.	50 gal.	60 gal.
Spray Width	2', 4', 6', or 8'		2', 6', 8', or 10'
Hopper Capacity	125 lbs.	225 lbs.	
Variable Spread Width	Up to 25'		
Fuel Capacity	5 gal.		
Transport Speed	Up to 10 mph		
Rate Production	120,000 sq. ft. per fill based on 1/4 gal. spray nozzles	240,000 sq. ft. per fill based on 1/4 gal. spray nozzles	

SAFE OPERATION

CAUTION!

THE FOLLOWING IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR UNIT. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.

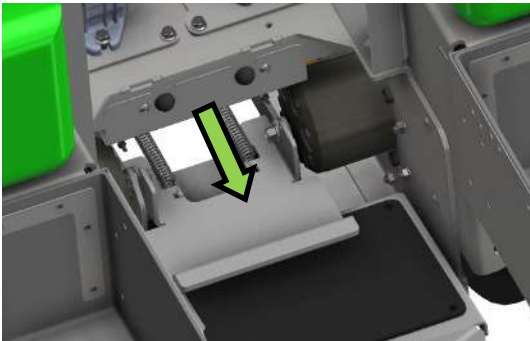


GENERAL OPERATION

- Do not operate the machine while under the influence of alcohol or drugs.
- Only allow responsible adults, who have practiced driving a zero radius SG unit and are familiar with the instructions to operate the machine. Local restrictions may restrict the age of the operator.

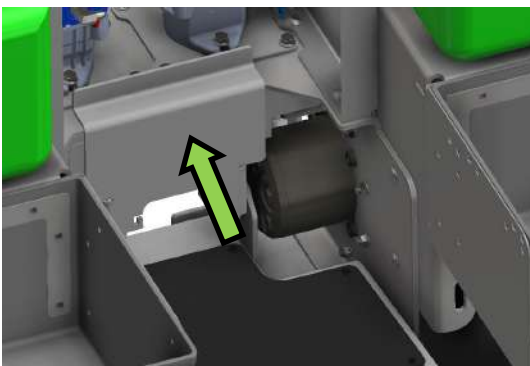
PARKING BRAKE OPERATION

- To engage the parking brake, push the peddle down.



BRAKE ENGAGED

- To release the parking brake, pull the peddle up.



BRAKE DISENGAGED



RE-FUELING

- *ALWAYS STOP THE ENGINE* and allow it to cool before refueling. *NEVER* remove the gas cap to add fuel while the engine is running, and never fill the gas tank on an engine that has been running and is still hot – gas spilled on a hot engine can ignite.
- Never smoke while refueling.
- Do not overfill fuel tank.
- Follow warning label on fuel tank.



SLOPE OPERATION

- Cease operation if stability is questionable, or if you are unsure of the ability to continue safely.
- Keep alert for hidden hazards on the terrain.
- Stay away from drop-offs, ditches and embankments.
- Never operate on slope angles greater than 13° with the SG in its basic configuration. The basic configuration is the SG with hopper and no other attachments. (A 13° slope is a slope that rises 1.4 m (4.6 ft) over a horizontal distance of 6.1 m (20 ft).)
- When using attachments, never operate the SG on slope angles greater than 10°. The addition of an extra tank, or other attachments will increase the risk of a rollover. (A 10° slope is a slope that rises 1 m (3.5 ft) over a horizontal distance of 6.1 m (20 ft).)

CONTROLS AND OPERATION

DASH PANEL



Setup Mode

Overview:

Description: Setup mode is crucial for Striker to operate correctly.

SETTINGS ORDER	VALUE	DEFAULT
A. Distance Units	KM/H or M/H	M/H
B. Tire Size	Millimeters	2109mm
C. Clock	12Hr or 24Hr Time-of-Day	12Hr 12:00:00
D. Temperature	°F or °C	°F
E. LED Alerts	Temperature High Alert Temperature Danger Alert Voltage Low Alert Voltage Danger Alert	000° 000° 0V 0V
F. Maintenance	Oil Countdown Care Countdown	0000 M/H 0000 M/H
G. AVG SPD	Screen 2 or 3	Screen 3
H. Distance	Resolution	Res 2

Enter Setup Mode:

HOLD DOWN ALL THREE BUTTONS FOR 3 SECONDS.



All segments on the screen will turn black. Release to continue.

Setup Mode

Setup Distance Units:

Striker defaults to M/H.



TO CYCLE BETWEEN M/H AND KM/H, PRESS THE LEFT BUTTON.



TO CONFIRM, PRESS THE CENTER BUTTON. Striker will move on to the next setting.



Setup Wheel Size:

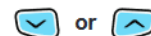
See "Measure Wheel Size" on page 16 for more information.

SG52, 48, 42 with 22x11x10 tire
Enter 1755

SG36 with 21x7x10 tire enter 1705



MODIFY DIGIT: LEFT BUTTON



NEXT DIGIT: RIGHT BUTTON

TO CONFIRM, PRESS THE CENTER BUTTON.

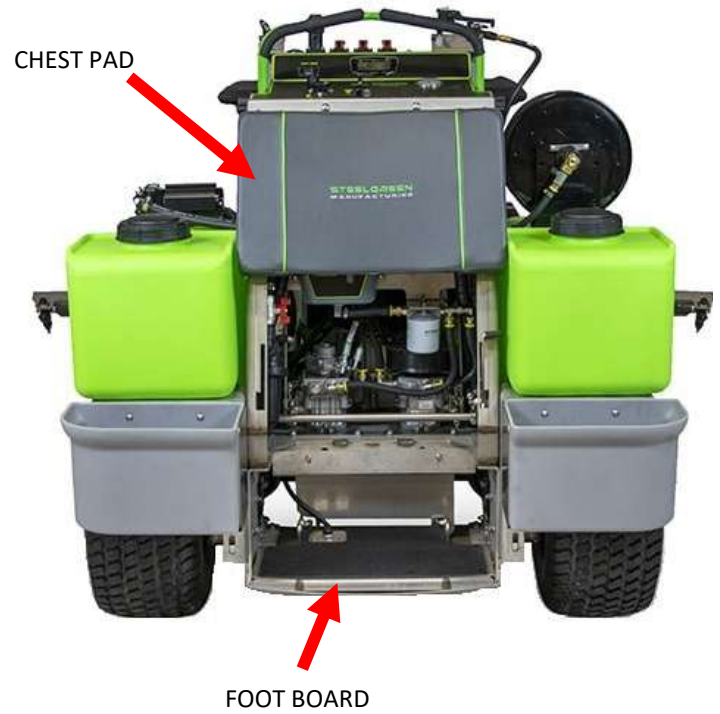


Striker will move on to the next setting.

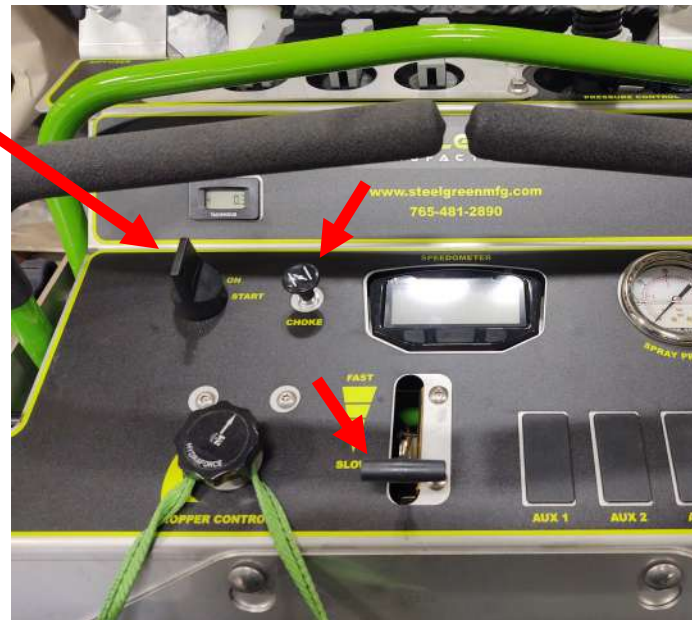
CONTROLS AND OPERATION

MACHINE OPERATION:

- To drive the machine, step up on the foot board and rest against the chest pad.



- Start the machine by turning the key with a little throttle and choke if needed.



CONTROLS AND OPERATION

JOY STICKS:

- The left joy stick maneuvers the left tire forward and reverse.
- The right joy stick maneuvers the right tire forward and reverse.

DRIVING THE MACHINE:

- Move both joy sticks forward to drive forward.
- Move both joy sticks back to drive in reverse.
- To maneuver a left turn move the right joy stick forward and pull the left one back.
- To maneuver a right turn move the left joy stick forward and pull the right one back.

LEFT TURN



RIGHT TURN



SPEED BAR:

- The speed bar is used to set the maximum speed for spray applications.
- Adjust the speed bar by loosening the black knobs on both sides.
- Move both the joy sticks and speed bar together to set the desired max. speed and tighten the knobs.

SPEED BAR



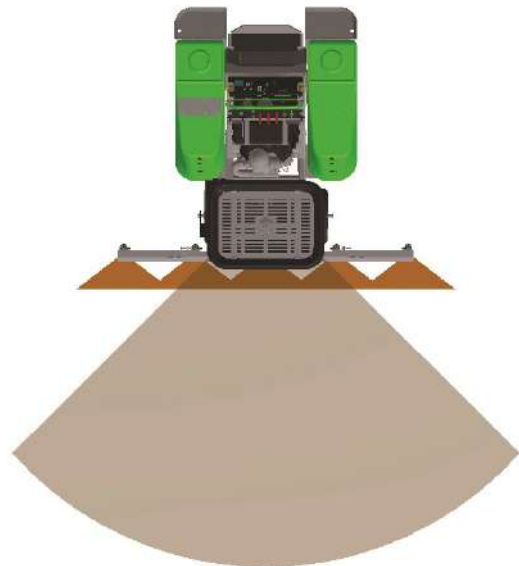
CONTROLS AND OPERATION (SPREADER)

SPREADER CALIBRATION / RATE

CAUTION!

- *To avoid injury to hand, ensure motor is switched OFF before adjusting.*
- *Wear appropriate clothing and safety equipment when applying and handling chemicals .*

- Accuway balances the spread pattern by shifting the product placement on the spinner. Placing the product on the impeller close to the shaft or the center will cause the spread pattern to be heavier to the right as it rides the impeller for a longer period. If the product is placed on the outer edge of the impeller, the spread pattern will be heavier to the left as the spinner turns clockwise.
- Start with the Accuway control cable all the way forward or in.
- Begin to spread the product. As you are spreading, you should be able to see the spread pattern in front of you. Generally, all spreaders will tend to throw fertilizer heavy to the right. As you continue to spread, pull the Accuway control towards you very slowly in small increments. This will bring the spread pattern dead center in front of you.
- Once you have the spread pattern “dead center,” lock the Accuway cable in place. There should be no reason to reset the Accuway for that product unless you see the spread pattern has changed due to bumping the lever. If it has changed slightly, simply readjust the pattern as you are spreading.



**THROW FERTILIZER
TO CENTER OF TIRE
TRACKS**

	Spread Width (Feet)										
	6	8	10	12	14	16	18	20	22	24	
	Bucket Catch Time (Seconds)										
Speed	8 mph	28.5	21.4	17.1	14.2	12.2	10.7	9.5	8.5	7.8	7.1
	7.5 mph	30.3	22.7	18.2	15.2	13	11.4	10.1	9.1	8.3	7.6
	7 mph	32.4	24.3	19.4	16.2	13.9	12.1	10.8	9.7	8.8	8.1
	6.5 mph	35	26.2	21	17.5	15	13.1	11.7	10.5	9.5	8.7
	6 mph	37.9	28.4	22.7	18.9	16.2	14.2	12.6	11.4	10.3	9.5
	5.5 mph	41.4	31	24.8	20.7	17.7	15.5	13.8	12.4	11.3	10.3
	5 mph	45.7	34.2	27.4	22.8	19.6	17.1	15.2	13.7	12.5	11.4
	4.5 mph	50.5	37.9	30.3	25.3	21.6	18.9	16.8	15.2	13.8	12.6
	4 mph	56.5	42.4	33.9	28.2	24.2	21.2	18.8	16.9	15.4	14.1
	3.5 mph	65	48.7	39	32.5	27.8	24.4	21.7	19.5	17.7	16.2
	3 mph	75.8	56.8	45.5	37.9	32.5	28.4	25.3	22.7	20.7	18.9

1,000 sq ft. ÷ 1/2 spread width ÷ speed in fps = calibration time

NOTE: To perform a granular calibration you will need a tape measure, bucket, and a scale.

- *First - you will need to weigh the empty bucket and zero your scale (or note the weight of the bucket to subtract from your later measurement).*
- *Second - remove your spinner and place the bucket under the hopper. Place your white dial on setting number 5 (this is just a starting point). Using the above chart find the time you will need to open your hopper based on your desired speed and spread width.*
- *Third - open your hopper for the appropriate amount of time and then weigh the bucket (remember to subtract the weight of the empty bucket). Adjust the dial knob up or down and repeat until you have your desired lbs. per 1 thousand square feet (example if you want 4lbs per 1k sq. ft. you should have 4lbs of product in the bucket).*
- *Forth - stretch a tape measure out to your desired width on the ground in front of the machine and briefly open your hopper and adjust your spread width to match the width of your tape measure.*

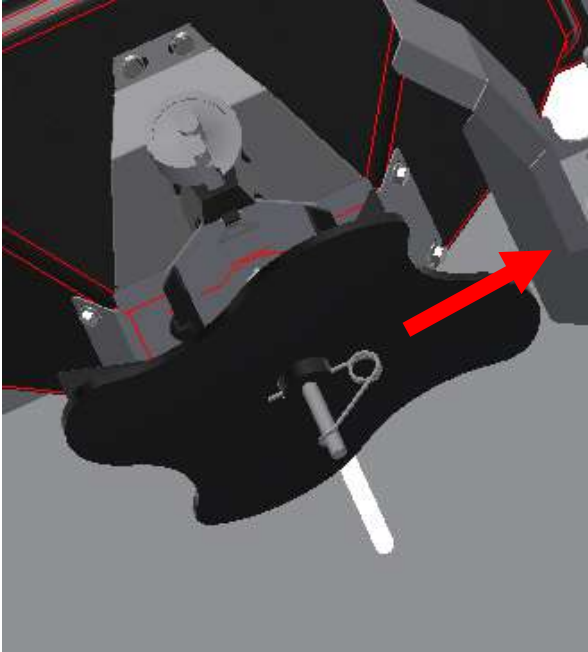
Your hopper is now calibrated. When applying product be sure to throw back to the center of your tire tracks from your previous pass. If needed use the Accuway diffuser to adjust your pattern so that the heaviest amount of product is directly in front of the machine.

SPREADER CLEANING

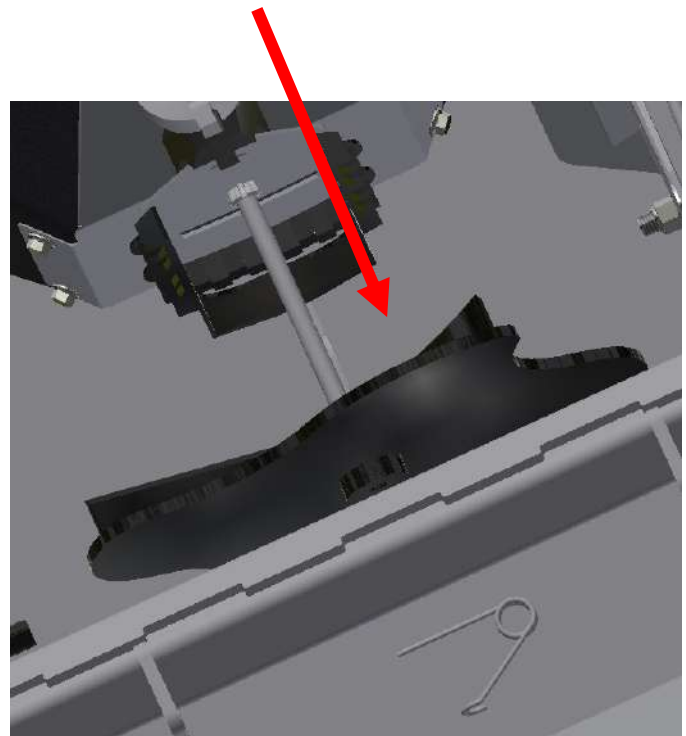
- Use appropriate footwear, eye protection, and clothing when cleaning the spreader.
- The key to years of trouble-free service is to keep your spreader clean and dry.
- Never allow material to remain in hopper for extended periods of time.
- Empty material from hopper at the end of each day. *See page 12 for hopper drain instructions.*
- Use a hose or wipe excess material off of the spreader at the end of each day.
- Open and close the gate as you rinse to avoid buildup of material.
- Quickly towel dry the spreader.

HOPPER DRAIN INSTRUCTIONS

STEP ONE: Squeeze and rotate the spring to disconnect it from the rod, then pull it out of the spinner.

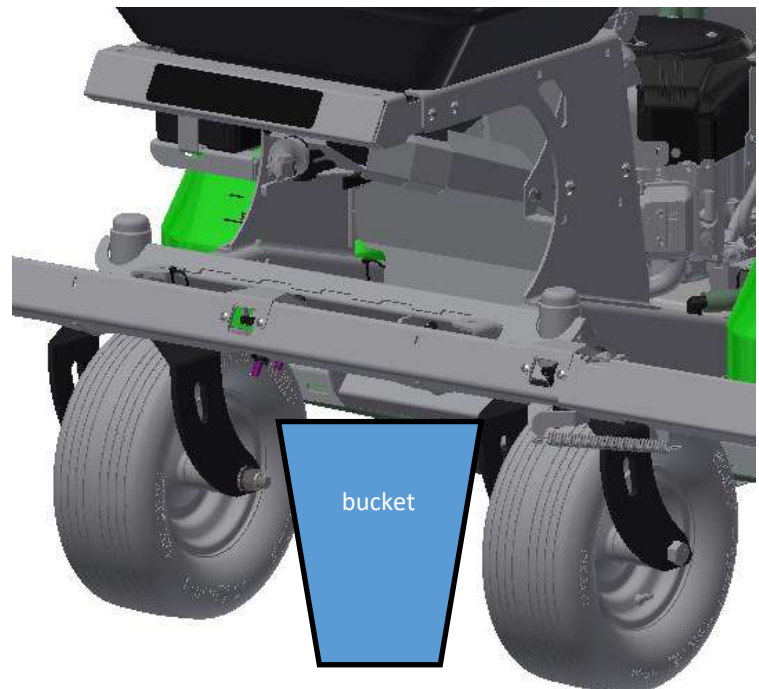
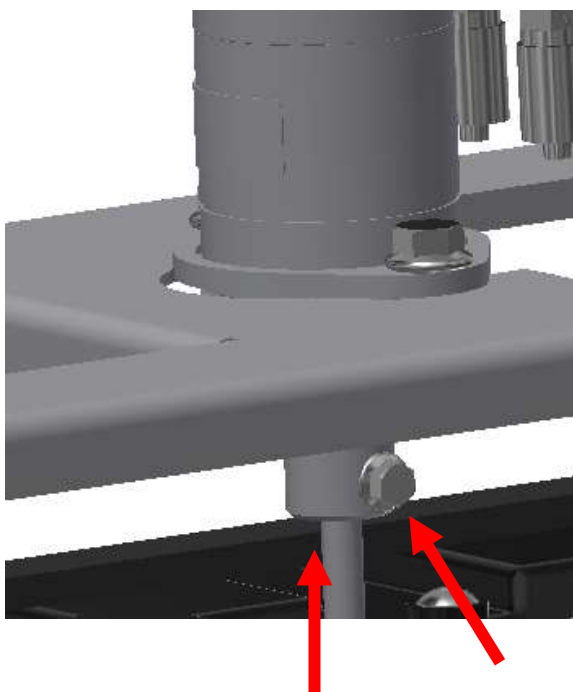


STEP TWO: Slide the spinner off of the rod.



NOTE: It may be necessary to loosen the bolt and move the rod up to allow enough room to remove the spinner.

STEP THREE: Place a bucket under the hopper trap, open the trap to drain the hopper.



CONTROLS AND OPERATION (SPRAYER)

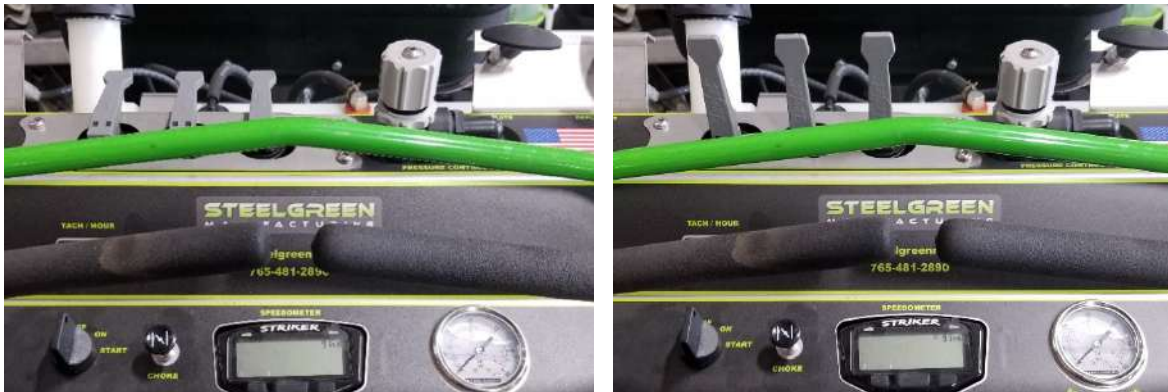
The spray boom consists of 3-sections: *Left Wing, Center Section, & Right Wing (see below).*



NOTE:

- *Orientation is from the riders view, standing on the machine.*
- *Layout is the same for all SG units standard spray boom.*

SPRAYER ON/OFF CONTROLS



Each section of the boom is controlled by a dedicated Lever Valve located on the spray manifold.

- The 3 lever valves can be opened all at once or individually depending on the desired spray width. The middle valve controls the middle boom which holds 3 (SG52) or 2 (SG46, SG42, SG36) nozzles. The left and right valves control the left and right boom wings.
- Each boom wing holds 1 nozzle.
- The lever valve is open in the “UP” position and closed in the “Down” position.

CONTROLS AND OPERATION (PUMP)

- Spray pressure is controlled by the pressure regulator located to the right of the boom control valves.
- Pressure is increased by turning the pressure regulator clockwise (right) and decreased by turning counter-clockwise (left)
- Spray pressure is measured by the pressure gauge.
- Use the **Spray Calibration Chart** to determine the desired spray pressure.



NOTE:

- *The pressure will decrease when the Lever Valves are opened.*
- *To create higher by-pass agitation, turn the Pressure Regulator fully clockwise. This will remove all restriction.*

SPRAY PUMP CONTROL

- The spray pump is turned on/off by one of two ways. A constant rocker switch is located on the dash panel. This pump will constantly run when the switch is pushed in the on position.
- A momentary spot spray switch is located on the left side of the operator's foot plate. This switch will only turn the pump on while depressed. Once pressure is lifted from the switch, the pump will shut off.

NOTE: *If the constant rocker switch is in the "on" position, the momentary switch will not function.*

DASH



FOOTBOARD



CONTROLS AND OPERATION (LIQUID)

LIQUID TANK CONTROLS

- Each SG model is equipped with 2 Liquid Tanks. The tanks can be operated in Tandem or separately.
- The Left tank is controlled by 2 Valves located on the left side of the Upright. Upper valve controls the Suction, and Lower valve controls the Return.
- The Right tank is controlled by 2 Valves located on the right side of the Upright. Upper valve controls the Suction, and Lower valve controls the Return.
- For the Spray System to operate properly, at least one Return valve and one Suction valve must be open. If the operator desires to pull from both tanks simultaneously, all 4 valves must be open.
- To pull from either the left or right-side tanks, the corresponding valves must be open.



HOSE REEL OPERATION

- Each SG model is also equipped with either a 75' Hose Reel (SG52, SG46, SG42) or a 15' Coil Hose (SG36). This is meant to assist with spot spraying and or areas that are not able to be reached by the Machine.
- To operate, turn on pump switch, make sure the Lever Valves are turned off.
- Use the proper pressure dictated in the *Spray Calibration chart*.
- The Hose Reel or Coil Hose is turned on by a Chrome Valve.
- To apply press the handle together and mimic the spray pattern from the boom.



NOTE: Make sure the Hose Reel or Coil Hose Valve is turned off while not in use. Otherwise back pressure may be created and will cause the nozzle tips to drip.

SPRAY CHART

STANDARD VOLUME SPRAY CHART									
NOZZLE	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ/MIN	20"				
					GPA		GALLONS PER 1000 SQ FT		
					4 MPH	5 MPH	3 MPH	4 MPH	5 MPH
AVI-11015 (100)	30	C	0.13	17	9.7	7.7	0.29	0.22	0.18
	40	C	0.15	19	11.1	8.9	0.34	0.26	0.2
	50	C	0.17	22	12.6	10.1	0.39	0.29	0.23
	60	M	0.18	23	13.4	10.7	0.41	0.31	0.24
AVI-11002 (50)	30	VC	0.17	22	12.6	10.1	0.39	0.29	0.23
	40	C	0.2	26	14.9	11.9	0.45	0.34	0.27
	50	C	0.22	28	16.3	13.1	0.5	0.37	0.3
	60	C	0.24	31	17.8	14.3	0.54	0.41	0.33
AVI-1110025 (50)	30	XC	0.22	28	16.3	13.1	0.5	0.37	0.3
	40	VC	0.25	32	18.6	14.9	0.57	0.43	0.34
	50	C	0.28	36	21	16.6	0.63	0.48	0.38
	60	C	0.31	40	23	18.4	0.7	0.53	0.42
AVI-11003 (50)	30	XC	0.26	33	19.3	15.4	0.59	0.44	0.35
	40	VC	0.3	38	22	17.8	0.68	0.51	0.41
	50	C	0.34	44	25	20	0.77	0.58	0.46
AVI-11004 (50)	30	XC	0.35	45	26	21	0.79	0.6	0.48
	40	XC	0.4	51	30	24	0.91	0.68	0.54
	50	VC	0.45	58	33	27	1	0.77	0.61
AVI-11005 (50)	30	XC	0.43	55	32	26	0.97	0.73	0.58
	40	XC	0.5	64	37	30	1.1	0.85	0.68
	50	VC	0.56	72	62	33	1.3	0.95	0.76
AVI-11006 (50)	30	XC	0.52	67	39	31	1.2	0.68	0.71
	40	XC	0.66	77	45	36	1.4	1	0.82
	50	VC	0.67	86	50	40	1.5	1.1	0.91
HIGH VOLUME SPRAY CHART (XRC TIPS)									
XRC11010	15	VC	0.61	78	45	36	1.4	1	0.83
	20	C	0.71	91	53	42	1.6	1.2	0.97
	30	C	0.87	111	65	52	2	1.5	1.2
	40	M	1	128	74	59	2.3	1.7	1.4
XRC11015	15	VC	0.92	118	68	55	2.1	1.6	1.3
	20	VC	1.06	136	79	63	2.4	1.8	1.4
	30	VC	1.3	166	97	77	2.9	2.2	1.8
	40	C	1.5	192	111	89	3.4	2.6	2
XRC11020	15	XC	1.22	156	91		2.8	2.1	
	20	XC	1.41	180	105		3.2	2.4	
	30	VC	1.73	221	128		3.9	2.9	
	40	VC	2	256	149		4.5	3.4	

$$\text{GPM (per nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5,940}$$

$$\frac{1}{\text{min (per nozzle)}} = \frac{1/\text{ha} \times \text{km/hr} \times \text{W}}{60,000}$$

$$\text{GPM (per nozzle)} = \frac{\text{GAL}/1000\text{FT}^2 \times \text{MPH} \times \text{W}}{136}$$

$$\text{GAL}/1000\text{FT}^2 = \frac{136 \times \text{GPM (per nozzle)}}{\text{MPH} \times \text{W}}$$

$$\text{GPA} = \frac{5,940 \times \text{GPM (per nozzle)}}{\text{MPH} \times \text{W}}$$

$$\frac{1}{\text{min}} = \frac{60,000 \times 1/\text{min (per nozzle)}}{\text{km/hr} \times \text{W}}$$

GPM = Gallons per minute

GPA = Gallons per acre

GAL/1000FT² = Gallons per 1000 square feet

MPH = Miles per hour

W = Nozzle spacing (in or cm)
for broadcast spraying

CARE & MAINTENANCE

WARNING!

- *Do not operate the engine in a confined space where carbon monoxide and other fumes can accumulate.*
- *Never lubricate, service, or adjust the machine or spreader while it is moving or running.*
- *Keep hands, feet, clothing, hair, and loose items away from any moving parts.*

CAUTION!

- *Understand service and maintenance procedure before performing any work on this machine or spreader.*
- *Disconnect the battery before making any repairs.*
- *Keep all parts in good condition & operating properly.*
- *Fix damages immediately. Replace all worn or damaged parts.*
- *Check all hardware at frequent intervals to ensure they are tight.*

MAINTENANCE TIPS

- *Always avoid letting product sit in the tanks and pump for an extended period of time.*
- *Blowing off unit is preferred over washing. But if washing unit dry it off as best as possible.*
- *Refer to engine owner's manual for all other specs.*

WINTERIZATION

- Proper winterization of the spray system helps to prevent damage to the system due to wintertime freezing. Follow these easy steps:

- 1 Drain all of the remaining liquid from the tanks and spray system.
- 2 Fill the tanks with enough RV antifreeze to fill the entire system.
- 3 Turn on the liquid pump and open all boom valves until solution is visible out of spray nozzles. Close boom valves.
- 4 Open valve for hose reel and begin spraying solution thru the nozzle.
- 5 Put the recommended amount of fuel stabilizer and (follow label for instructions).

CARE & MAINTENANCE

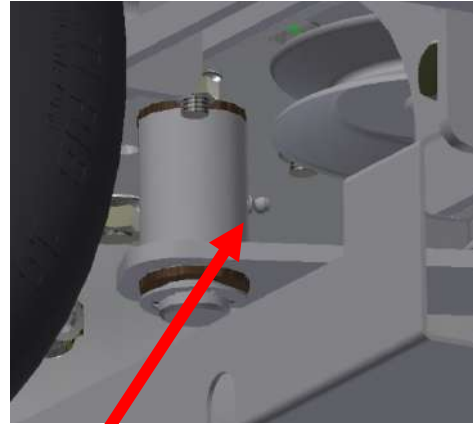
SUGGESTED SERVICE	ACTION	DAILY	WEEKLY	BI-WEEKLY	MONTHLY	YEARLY	HOURS
Front Caster Wheels	Grease				X		
Front Caster Yoke	Grease				X		
Front Tire Pressure	22PSI		X				
Front Tire Bearing	Preload				X		
Rear Tire Pressure	18PSI		X				
Rear Lug Nut	Torque 75Lbs				X		
Rear Hub Castle Nut	Check the cotter pin				X		
Frame Hardware	Check all bolts & fastners				X		
Idler Pully Arm	Grease				X		
Belt Wear	Cracks, Tears, Missing Material				X		
Hopper Cables	Lubricate w/Silicone spray		X				
Accuway Cable							
Deflector Shield cable							
Hopper Bottom Bushing	Change if needed				X	Replace	
Hopper Spinner				X			
CLEAN SPINNER DAILY IF NEEDED							
Engine Oil	Check	X					
	Change						
Engine Air Filter	Check/Change if needed		X			Replace	100 Hrs.
Engine Air Pre-Filter							
Engine Fuel Filter							
Engine Spark Plugs						Replace	
Hydraulic Oil	Change						500 Hrs.
Hydraulic Oil Filter							
Hydraulic Oil Level	Check	X					
Hydro System Fittings	Check for leaks		X				
Chemical Leaks	Check	X					
Spray Nozzle Tips							
Spray Nozzle Tip Screens							
Spray Gun Tip							
Spray Nozzle Gasket							
Spray System Hoses				X			
In-Line Filter				X			
In-Line Filter Gasket				X			
Spray Gun Hose Reel\Coil Hose					X		
SG MACHINES		BLOW FERT OFF DAILY					
<p><i>The suggested maintenance schedule above is recommended for normal use, maintenance will vary for heavier use. Steel Green Mfg. reserves the right to determine usage.</i></p>							

CARE & MAINTENANCE

GREASE POINTS

There are 5 grease points on a SG machine:

- 1 on each front tire.
- 1 on each of the castor tubes.
- 1 on the idler arm.

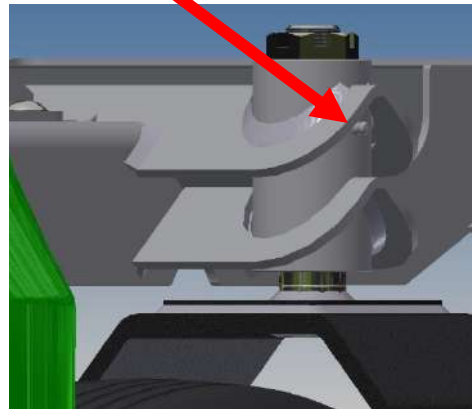


Idler Arm grease point

Castor Tube Grease Point
(BOTH SIDES)

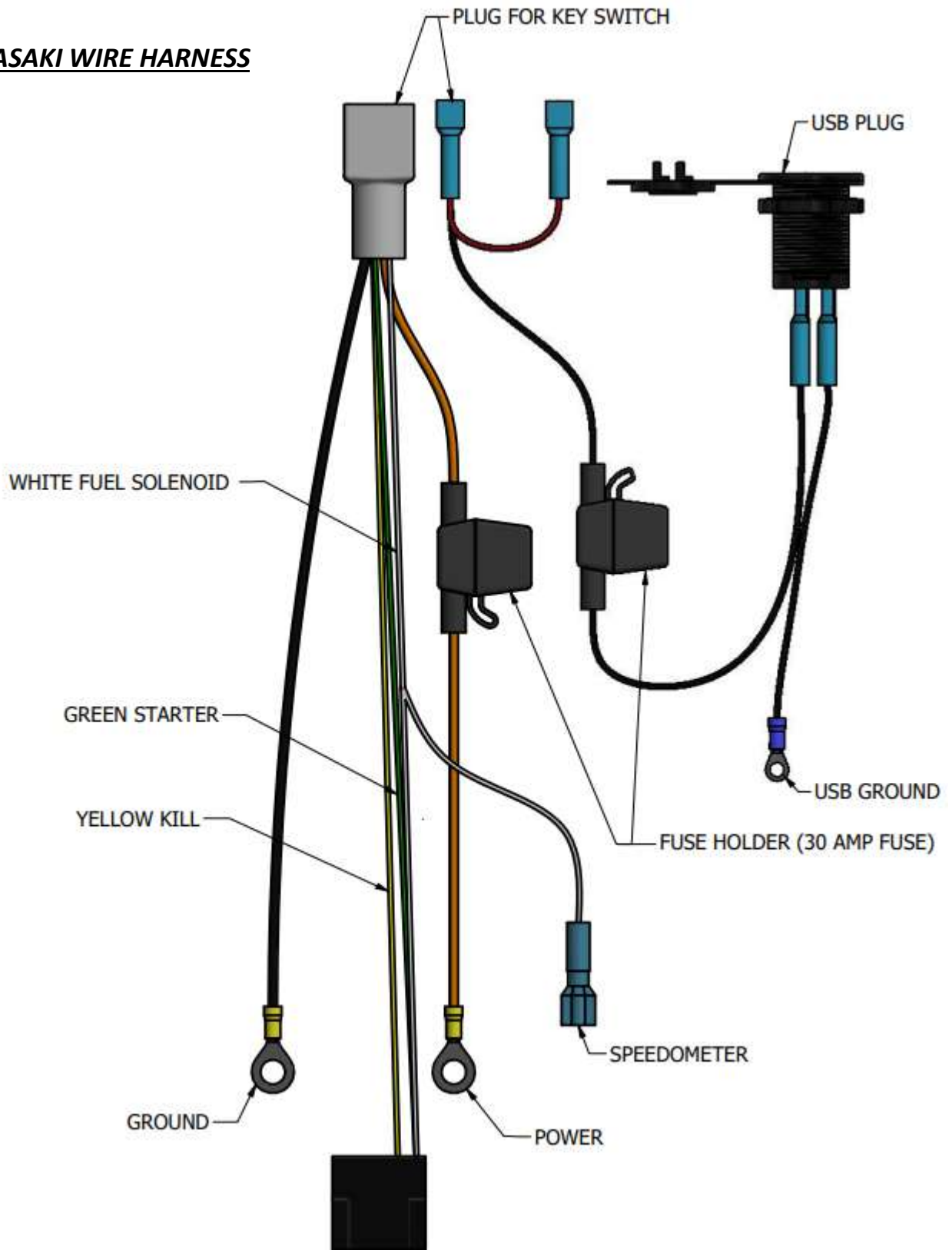


Tire Grease point
(BOTH FRONT TIRES)



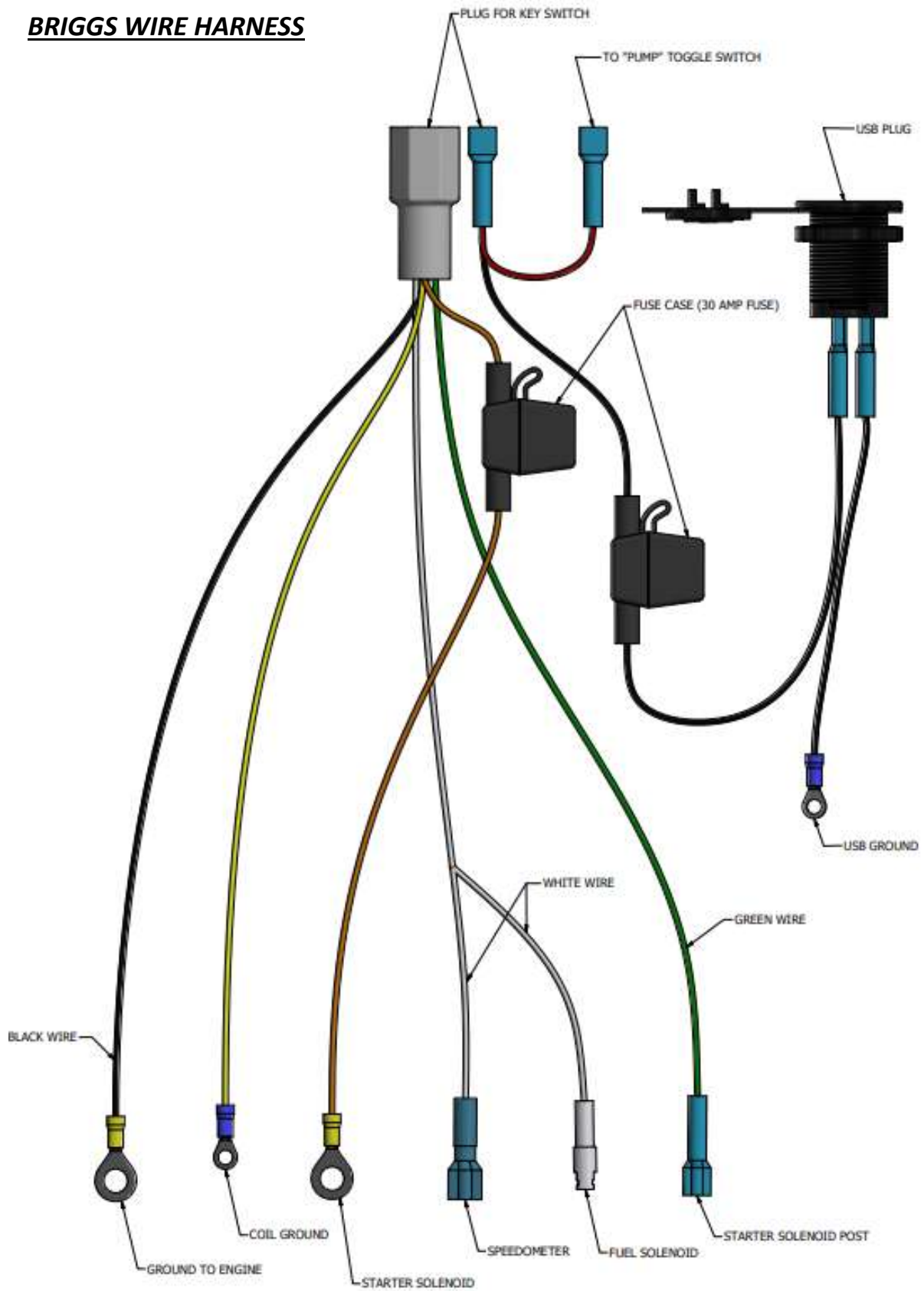
DRAWINGS & DIAGRAMS

KAWASAKI WIRE HARNESS



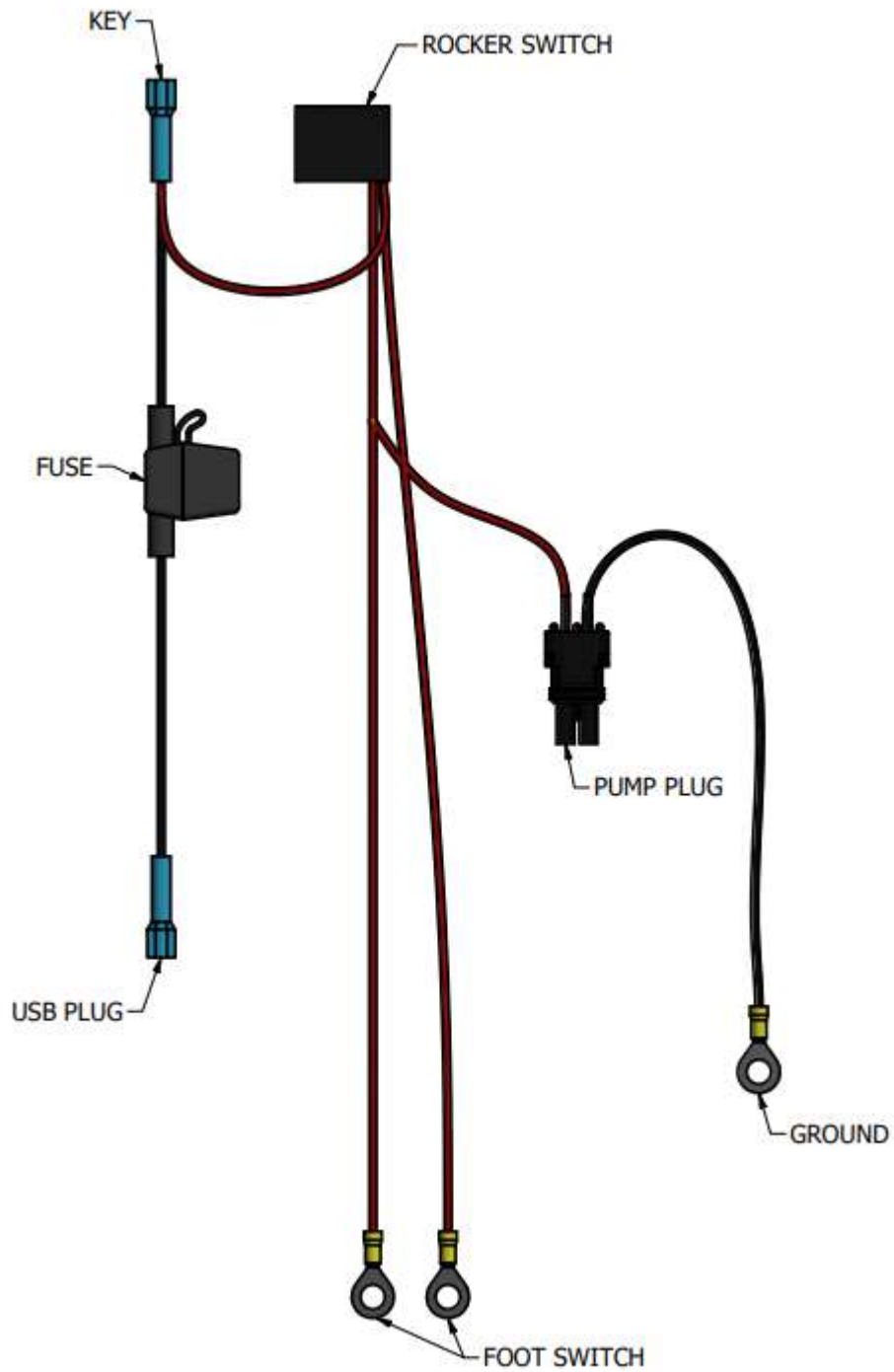
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BRIGGS WIRE HARNESS



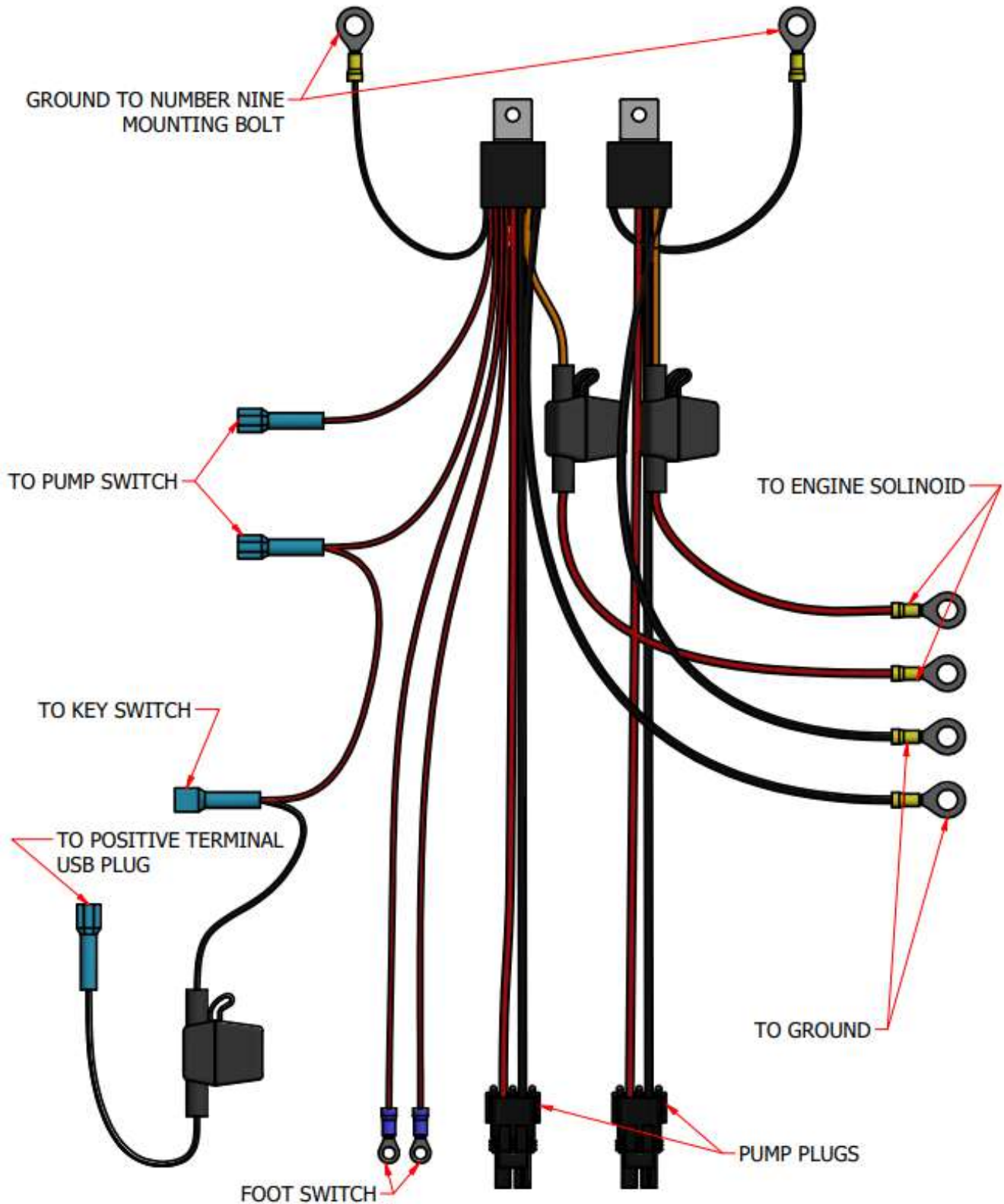
DRAWINGS & DIAGRAMS

PUMP WIRE HARNESS



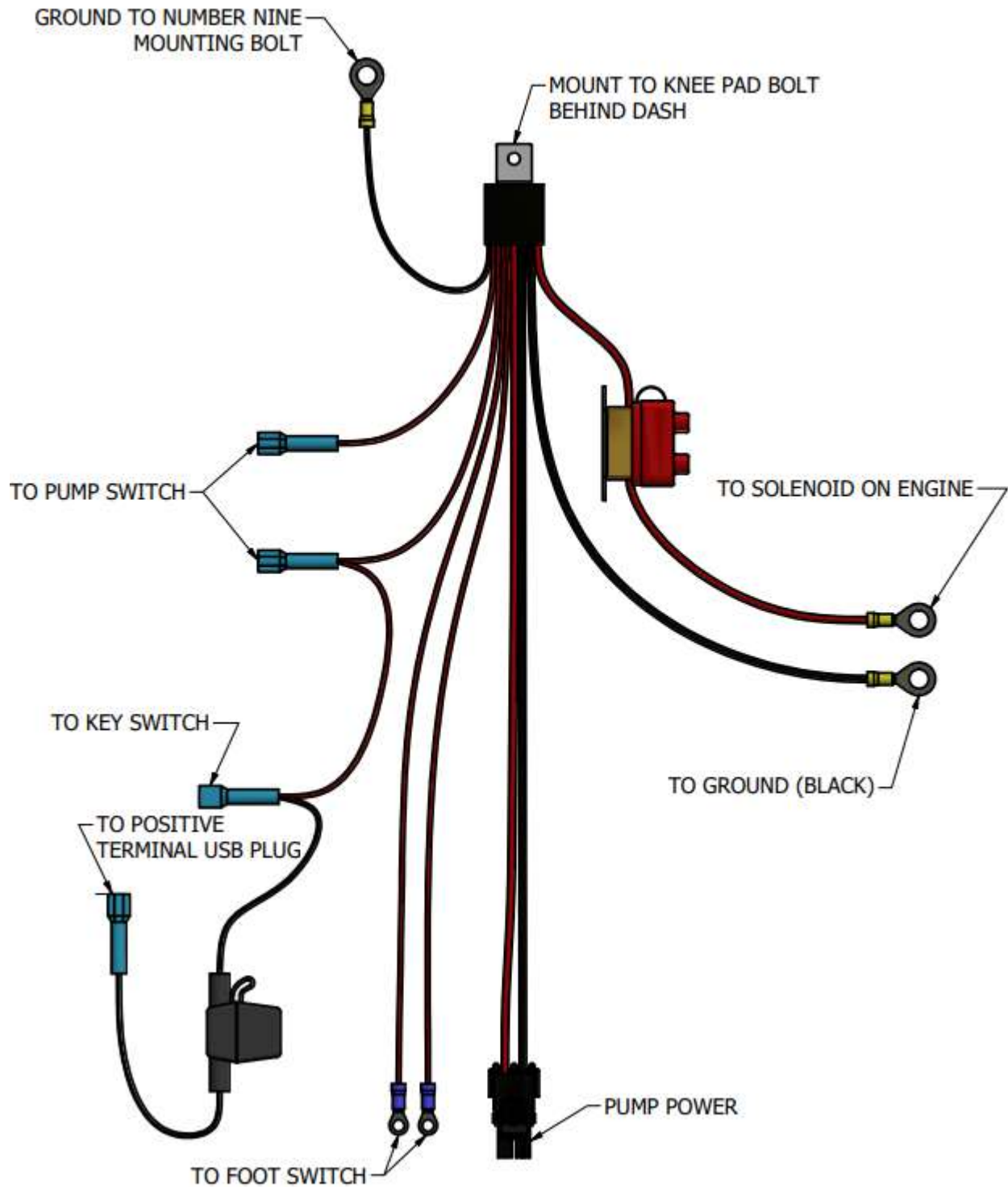
DRAWINGS & DIAGRAMS

DUAL PUMP HARNESS (SG-FT-DUAL)



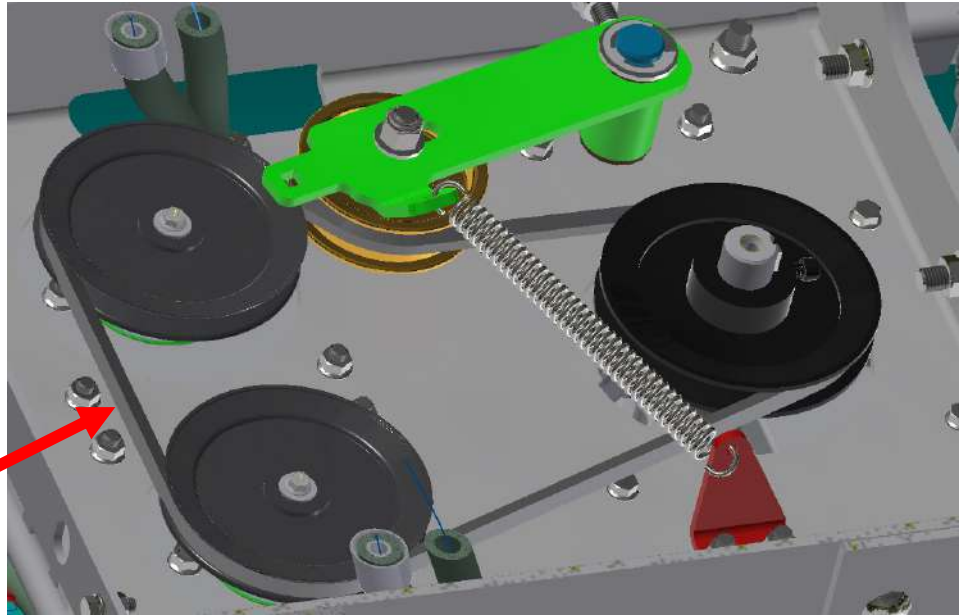
DRAWINGS & DIAGRAMS

HI-FLOW PUMP WIRE HARNESS



DRAWINGS & DIAGRAMS

NOTE: Please visit us at steelgreenmfg.com for drive belt replacement instructions, more part diagrams and instruction manuals.



DRIVE BELTS:

A48R SG 36/42

A50R SG 46/52

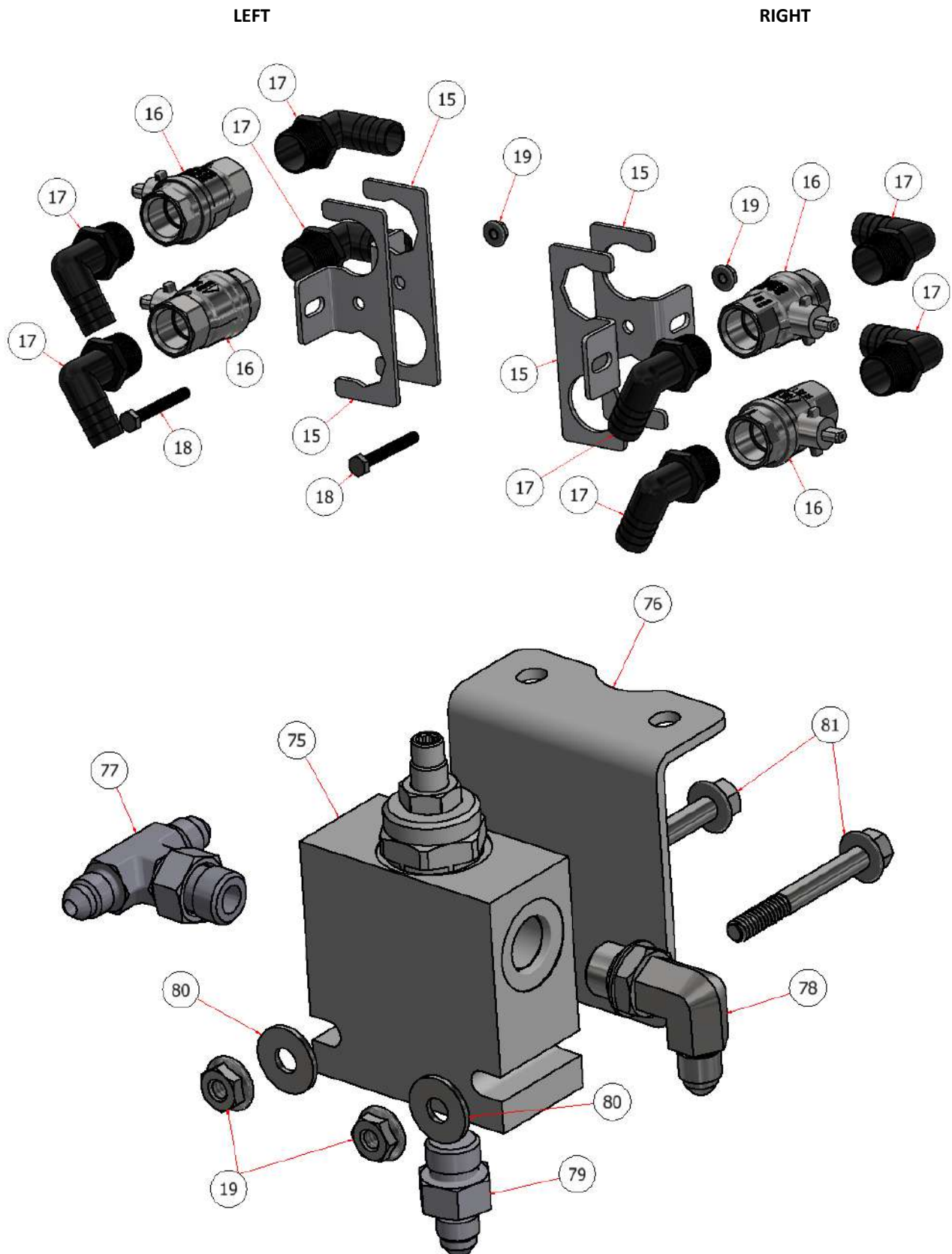
DRAWINGS & DIAGRAMS

UPRIGHT SG36/42							
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	R21-092	UPRIGHT, CROSSMEMBER, SG46/52	46	1	R21-159	MOUNTING PLATE, TEE JET MANIFOLD
2	4	HFSSC-3875	HEX BOLT, 3/8 X 3/4	47	1	S51301-STD	TEE JET SPRAY MANIFOLD ASSEMBLY
3	14	HFNCS-38S	HEX FLANGE NUT - 3/8-16	48	2	R21-151	MOUNTING BRACKET, SPRAY MANIFOLD
4	2	HFSSC-145	HEX BOLT FLANGE, 1/4-20 X 1/2	49	1	S52083	FITTING, ELBOW 3/4 MALE X 3/8 BARB
5	1	M10003	HYDRAULIC OIL TANK, 3QT	50	1	S52029	FITTING, ELBOW 3/4 MALE X 3/4 BARB
6	1	H80404	HYDRAULIC OIL FILTER	51	1	S51238	60 PSI GAUGE
7	1	H80405	HYDRAULIC OIL FILTER HOUSING	52	1	S52003	FITTING, TEE 3/8, FEMALE
8	1	H84019	1/2 M JIC X 3/8 ORB STG	53	2	S52021	FITTING, ELBOW, 3/8 MALE X 3/8 BARB
9	2	H84010	3/8 M JIC X 3/8 F JIC 90 SWIVEL	54	4	S51295	RED HANDLE, 3/4 VALVE
10	1	H84022	3/8 M JIC X 3/8 M JIC X 3/8 ORB TEE	55	2	S50062	FITTING, TEE, 3/4 BARB
11	1	K10001	HYDRAULIC HOSE 6", HOSE KIT	56	2	S52009	TEE FITTING, 3/4 HOSE X 3/4 MNPT
12	3	MS4	HOSE CLAMP 3/8	57	2	S52035	3/4 FNPT X 1/2 HOSE BARB
13	1	D71001	CHOKE CABLE	58	1	S55005-425	3/8 HOSE 4.25"
14	1	D71000	THROTTLE CABLE	59	1	S55004-35	3/4 HOSE 3.5"
15	4	R21-029	BRACKET, RECIRC. VALVES	60	1	S55004-6	3/4 HOSE 6.00"
16	4	S51291	VALVE, 3/4 FULL PORT, NO HANDLE	61	1	S55004-1125	3/4 HOSE 11.25"
17	8	S52029	BARB, 3/4 MPT x 3/4 BARB 90	62	1	S55004-1375	3/4 HOSE 13.75
18	2	HFSSC-142	HEX BOLT 1/4 X 2	63	1	C60336	DECAL, MAIN DASH
19	14	HFNCS-14S	HEX FLANGE NUT 1/4	64	1	C60337	DECAL, DASH (TACH)
20	6	SSNNC-14	NYLOCK, SS - 1/4-20	65	1	C60338	DECAL, VALVE, TEEJET
21	2	SSNNC-38	NYLOCK, SS - 3/8-16	66	2	C60202	KNOB, RUBBER, SPEED BAR
22	2	FSW-10	FLAT WASHER	67	2	C60203	RUBBER CAP, BLACK 1"
23	2	FWSS-38	FLAT WASHER, SS - 3/8	68	1	C60316	DECAL, LEFT TANK SUCTION
24	2	LWESS-38	STAR WASHER 3/8	69	1	C60317	DECAL, RIGHT TANK SUCTION
25	3	HFNCS-10S	NUT, #10	70	4	C60303	BUSHING, JOY STICK
26	6	HFSSC-3815	HEX FLANGE BOLT 3/8 X 1.5	71	2	C60200	GRIP, SPEED BAR
27	8	HFNCS-516S	NUT, FLANGE 5/16	72	2	C60869	PLUG, KNEE PAD
28	2	SHMSS-407010	SOCKET HD CAP SCREW M7 X 10	73	2	C60305-BALL	ROD END, BALL JOINT
29	3	TRPC-1012S	BOLT, PHILLIPS. #10 X 1/2	74	2	C60305-THREAD	ROD END, THD. HOUSING
30	14	PTSS-1434	BOLT, TORX 1/4 X 3/4	75	1	H81430	VALVE, HYDROFORCE
31	2	CB144-SS	CARRIAGE BOLT 1/4 X 4	76	1	R21-136	BRACKET, HYDRAULIC VALVE
32	4	CB-381SS	CARRIAGE BOLT, SS - 3/8-16 x 1	77	1	H84028	TEE, 1/4 JIC X 3/8 ORB
33	6	CB-51634	CARRIAGE BOLT, SS - 5/16-18 x 3/4	78	1	H84000	1/4 MALE JIC x 3/8 ORB ELB
34	8	12HS	HOSE CLAMP 3/4	79	1	H84003	1/4 MALE JIC x 3/8 ORB STR
35	2	ECSS-050	E CLIP	80	10	FWSS-14	FLAT WASHER, SS - 1/4
36	1	S52063	3/4 X 3/4 STG.	81	2	HFSS-142	HEX BOLT, FLANGE 1/4 X 2
37	1	S51296	3/4 VALVE W\HANDLE	82	1	H81431	VALVE, HYDROFORCE, HANDLE
38	1	S51278	3/4" T-STRAINER, 50 MESH	83	1	E40202	ROCKER SWITCH
39	1	S52041	ELBOW, 3/4 FEMALE X 3/4 MALE	84	3	E40202-B	BLANK, ROCKER SWITCH
40	2	S52015	3/4 MALE X 3/4 BARB	85	1	E40011	TACHOMETER
41	1	W21-152	DASH PANNEL	86	1	E40215	KEY SWITCH
42	1	W21-224	UPRIGHT, LEFT SG36/42	87	1	E40215 NUT	KEY SWITCH NUT
43	1	W21-224-R	UPRIGHT, RIGHT SG36/42	88	1	E40206	PLUG, USB
44	2	W21-036	JOY STICK	89	1	R31022	SPEED BAR
45	1	E40010	SPEEDOMETER	90	1	R31012	ROD, JOY STICK

DRAWINGS & DIAGRAMS

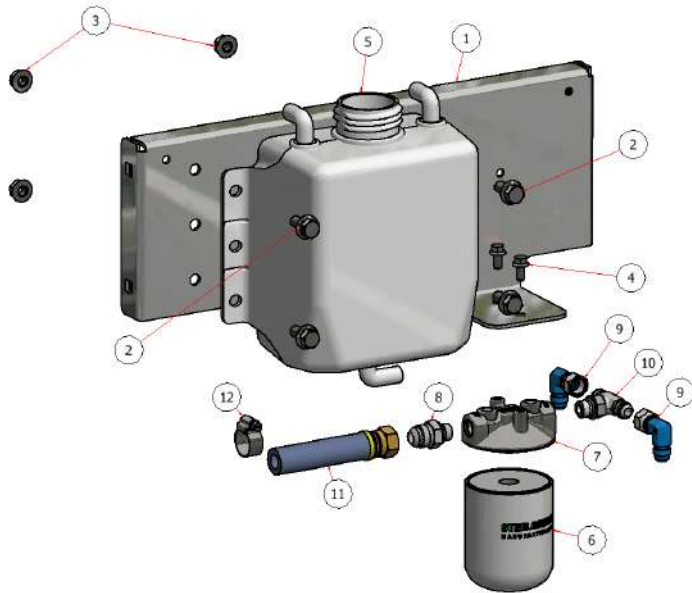
UPRIGHT SG46/52							
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	R21-030	UPRIGHT, CROSSMEMBER, SG46/52	46	1	R21-159	MOUNTING PLATE, TEE JET MANIFOLD
2	4	HFSSC-3875	HEX BOLT, 3/8 X 3/4	47	1	S51301-STD	TEE JET SPRAY MANIFOLD ASSEMBLY
3	14	HFNCS-38S	HEX FLANGE NUT - 3/8-16	48	2	R21-034	MOUNTING BRACKET, SPRAY MANIFOLD
4	2	HFSSC-145	HEX BOLT FLANGE, 1/4-20 X 1/2	49	1	S52083	FITTING, ELBOW 3/4 MALE X 3/8 BARB
5	1	M10003	HYDRAULIC OIL TANK, 3QT	50	1	S52029	FITTING, ELBOW 3/4 MALE X 3/4 BARB
6	1	H80404	HYDRAULIC OIL FILTER	51	1	S51238	60 PSI GAUGE
7	1	H80405	HYDRAULIC OIL FILTER HOUSING	52	1	S52003	FITTING, TEE 3/8, FEMALE
8	1	H84019	1/2 M JIC X 3/8 ORB STG	53	2	S52021	FITTING, ELBOW, 3/8 MALE X 3/8 BARB
9	1	H84010	3/8 M JIC X 3/8 F JIC 90 SWIVEL	54	4	S51295	RED HANDLE, 3/4 VALVE
10	1	H84021	3/8 M JIC X 3/8 M JIC X 3/8 ORB TEE	55	2	S50062	FITTING, TEE, 3/4 BARB
11	1	K10001	HYDRAULIC HOSE 6", HOSE KIT	56	2	S52009	TEE FITTING, 3/4 HOSE X 3/4 MNPT
12	3	MS4	HOSE CLAMP 3/8	57	2	S52035	3/4 FNPT X 1/2 HOSE BARB
13	1	D71001	CHOKE CABLE	58	1	S55005-425	3/8 HOSE 4.25"
14	1	D71000	THROTTLE CABLE	59	1	S55004-35	3/4 HOSE 3.5"
15	4	R21-029	BRACKET, RECIRC. VALVES	60	1	S55004-6	3/4 HOSE 6.00"
16	4	S51291	VALVE, 3/4 FULL PORT, NO HANDLE	61	1	S55004-1125	3/4 HOSE 11.25"
17	8	S52029	BARB, 3/4 MPT x 3/4 BARB 90	62	1	S55004-1375	3/4 HOSE 13.75
18	2	HFSSC-142	HEX BOLT 1/4 X 2	63	1	C60337	DECAL, DASH (TACH)
19	14	HFNCS-14S	HEX FLANGE NUT 1/4	64	1	C60336	DECAL, MAIN DASH
20	6	SSNNC-14	NYLOCK, SS - 1/4-20	65	1	C60338	DECAL, VALVE, TEEJET
21	2	SSNNC-38	NYLOCK, SS - 3/8-16	66	2	C60202	KNOB, RUBBER, SPEED BAR
22	2	FSW-10	FLAT WASHER	67	2	C60203	RUBBER CAP, BLACK 1"
23	2	FWSS-38	FLAT WASHER, SS - 3/8	68	1	C60316	DECAL, LEFT TANK SUCTION
24	2	LWESS-38	STAR WASHER 3/8	69	1	C60317	DECAL, RIGHT TANK SUCTION
25	3	HFNCS-10S	NUT, #10	70	4	C60303	BUSHING, JOY STICK
26	6	HFSSC-3815	HEX FLANGE BOLT 3/8 X 1.5	71	2	C60200	GRIP, SPEED BAR
27	8	HFNCS-516S	NUT, FLANGE 5/16	72	2	C60869	PLUG, KNEE PAD
28	2	SHMSS-407010	SOCKET HD CAP SCREW M7 X 10	73	2	C60305-BALL	ROD END, BALL JOINT
29	3	TRPC-1012S	BOLT, PHILLIPS. #10 X 1/2	74	2	C60305-THREAD	ROD END, THD. HOUSING
30	14	PTSS-1434	BOLT, TORX 1/4 X 3/4	75	1	H81430	VALVE, HYDROFORCE
31	2	CB144-SS	CARRIAGE BOLT 1/4 X 4	76	1	R21-136	BRACKET, HYDRAULIC VALVE
32	4	CB-3815S	CARRIAGE BOLT, SS - 3/8-16 x 1	77	1	H84028	TEE, 1/4 JIC X 3/8 ORB
33	6	CB-51634	CARRIAGE BOLT, SS - 5/16-18 x 3/4	78	1	H84000	1/4 MALE JIC x 3/8 ORB ELB
34	8	12HS	HOSE CLAMP 3/4	79	1	H84003	1/4 MALE JIC x 3/8 ORB STR
35	2	ECSS-050	E CLIP	80	10	FWSS-14	FLAT WASHER, SS - 1/4
36	1	S52063	3/4 X 3/4 STG.	81	2	HFSS-142	HEX BOLT, FLANGE 1/4 X 2
37	1	S51296	3/4 VALVE W\HANDLE	82	1	H81431	VALVE, HYDROFORCE, HANDLE
38	1	S51278	3/4" T-STRAINER, 50 MESH	83	1	E40202	ROCKER SWITCH
39	1	S52041	ELBOW, 3/4 FEMALE X 3/4 MALE	84	3	E40202-B	BLANK, ROCKER SWITCH
40	2	S52015	3/4 MALE X 3/4 BARB	85	1	E40011	TACHOMETER
41	1	W21-152	DASH PANNEL	86	1	E40215	KEY SWITCH
42	1	W21-224	UPRIGHT, LEFT SG46/52	87	1	E40215 NUT	KEY SWITCH NUT
43	1	W21-224-R	UPRIGHT, RIGHT SG46/52	88	1	E40206	PLUG, USB
44	2	W21-036	JOY STICK	89	1	R31022	SPEED BAR
45	1	E40010	SPEEDOMETER	90	1	R31012	ROD, JOY STICK

DRAWINGS & DIAGRAMS

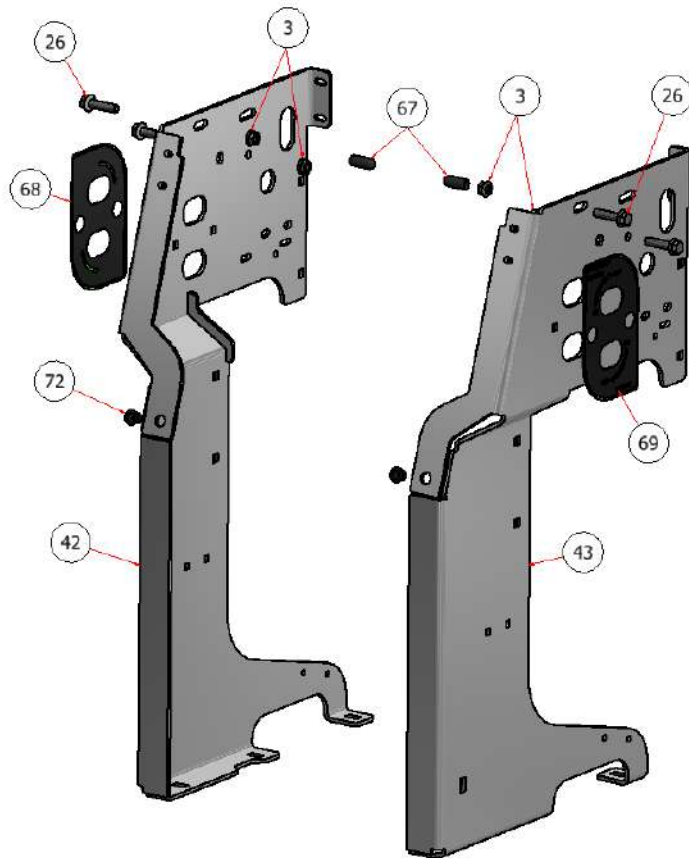
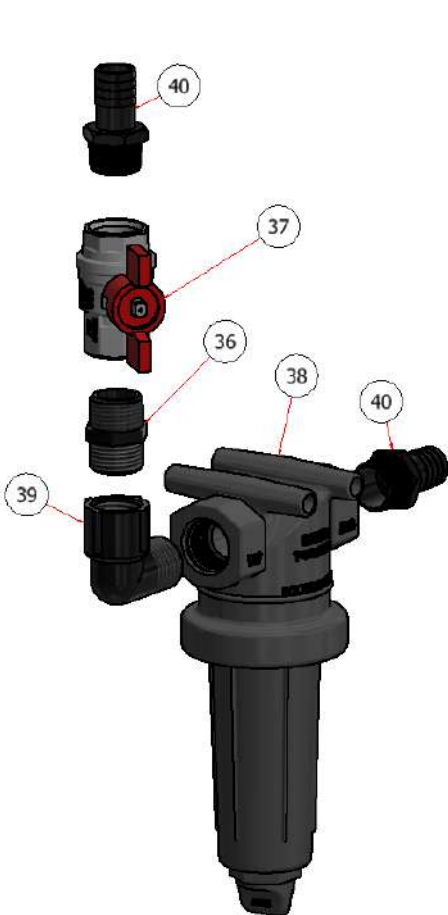
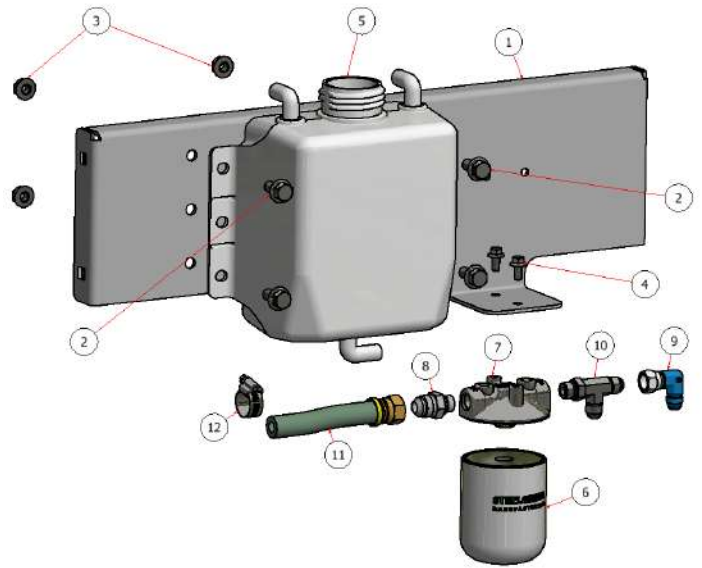


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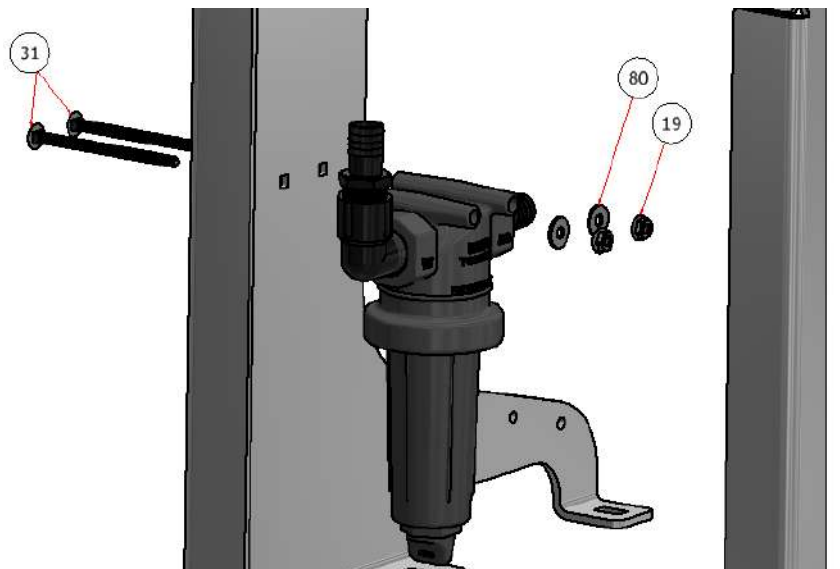
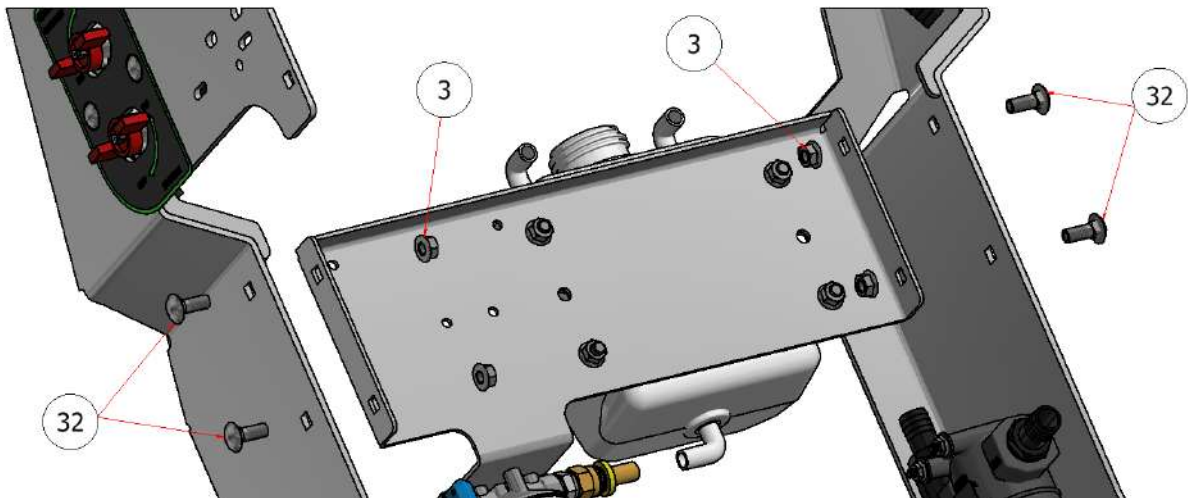
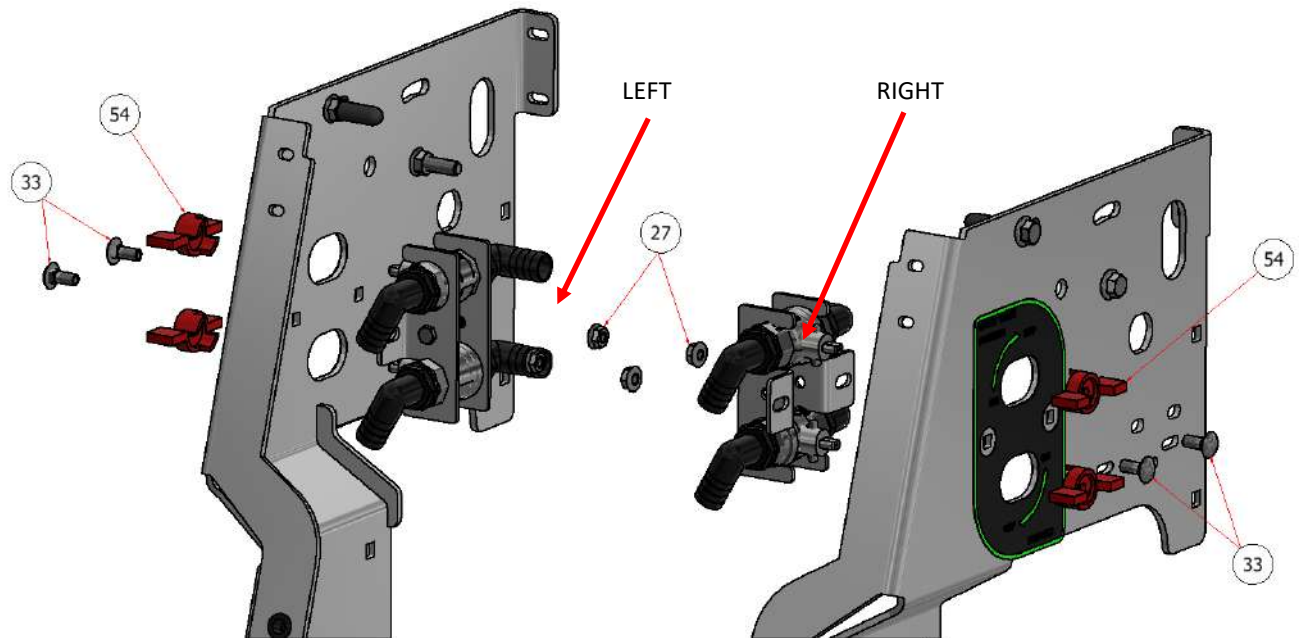
SG36/42



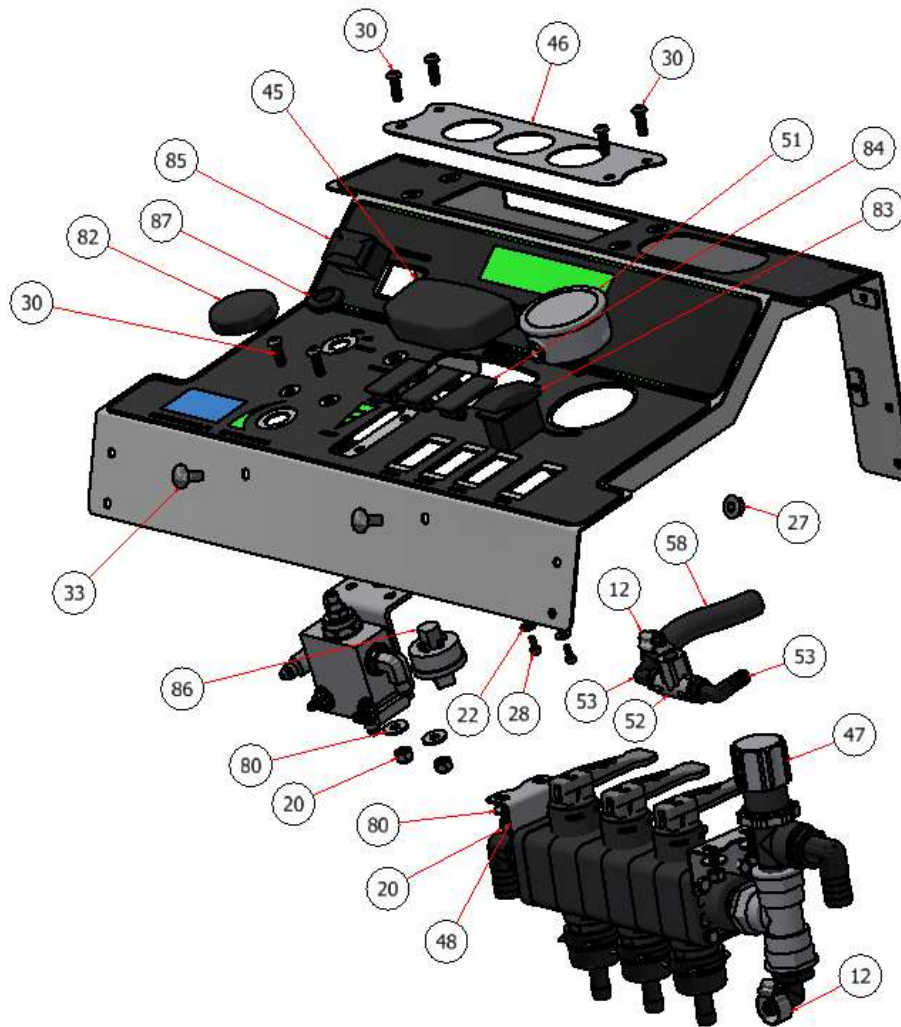
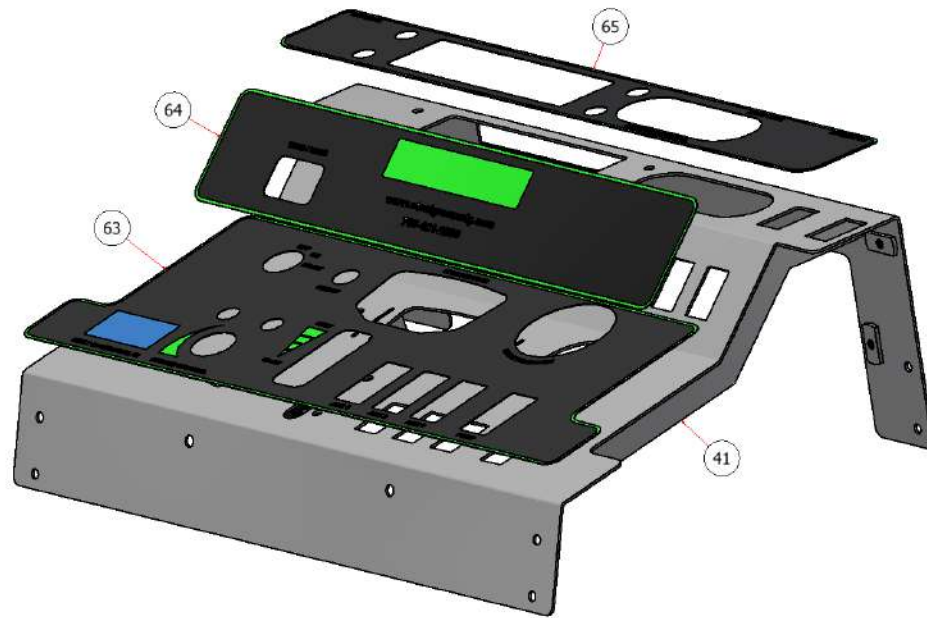
SG52/46



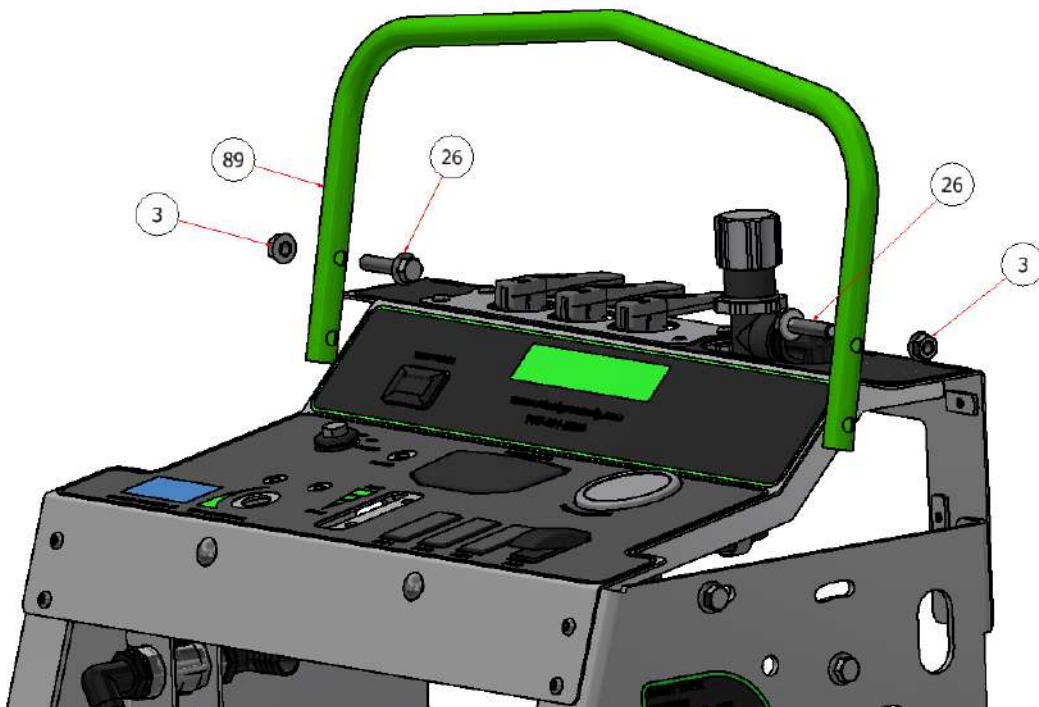
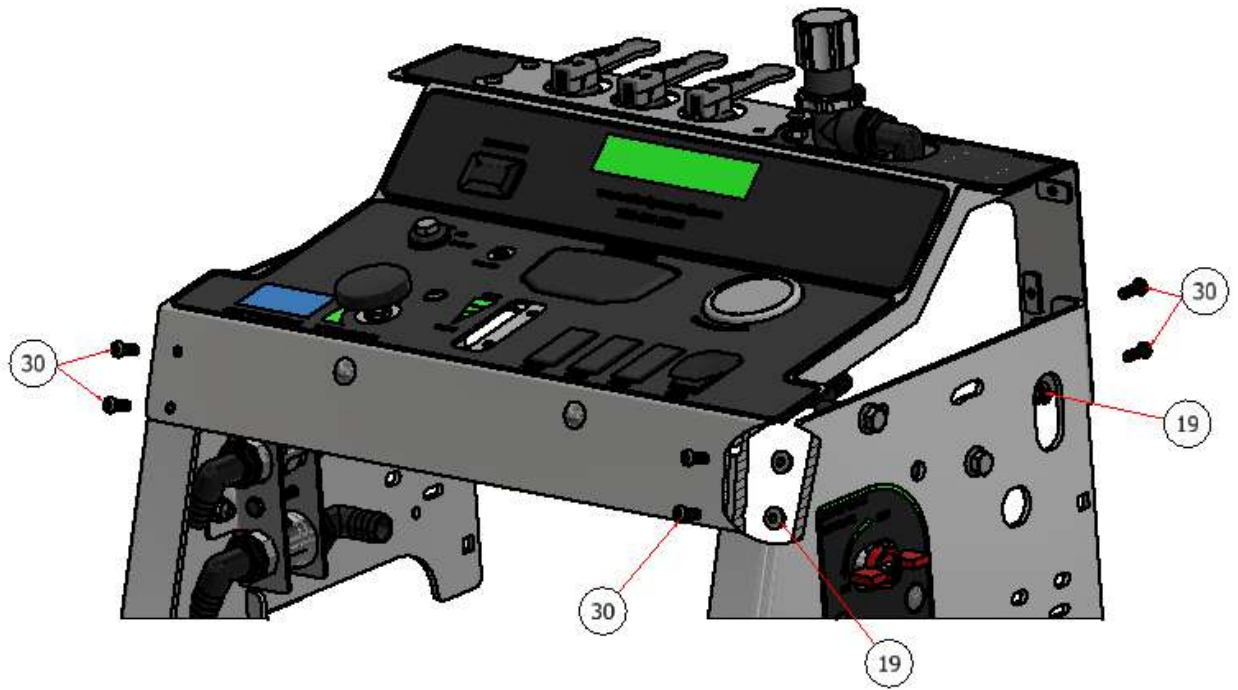
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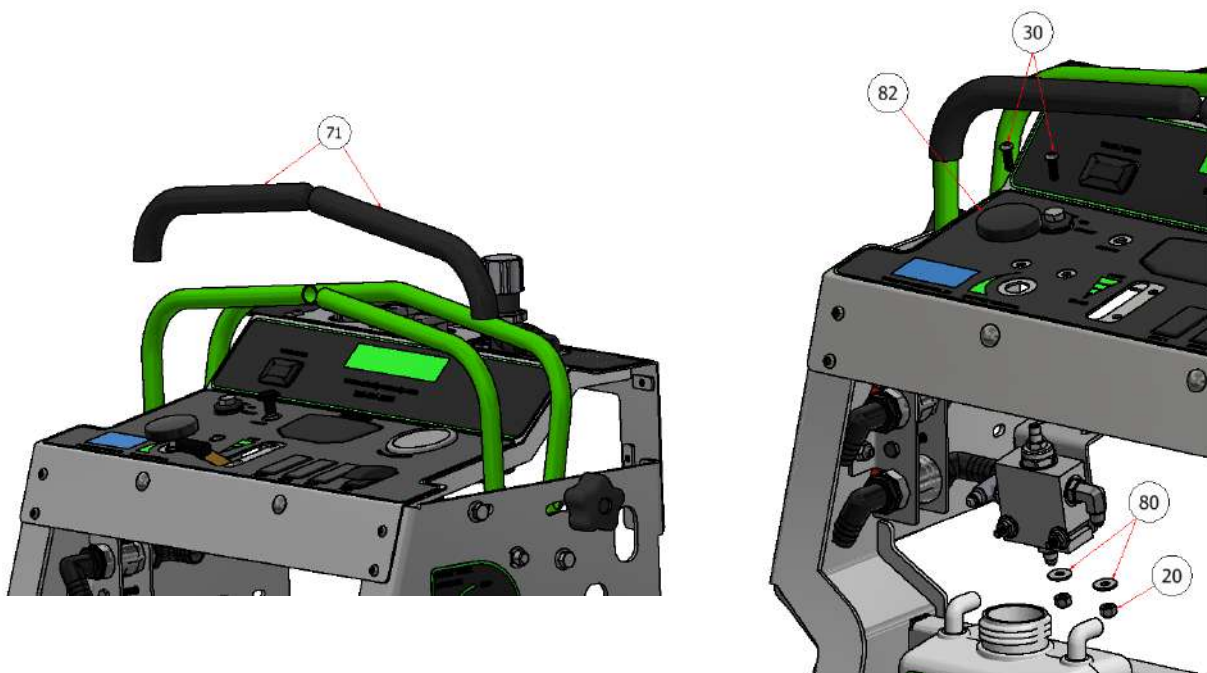
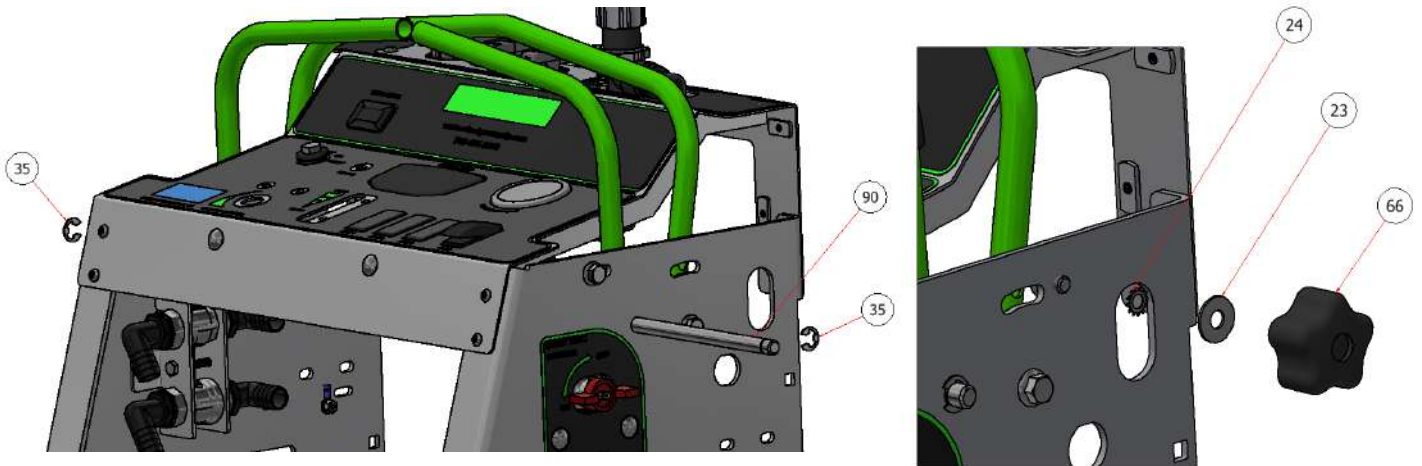
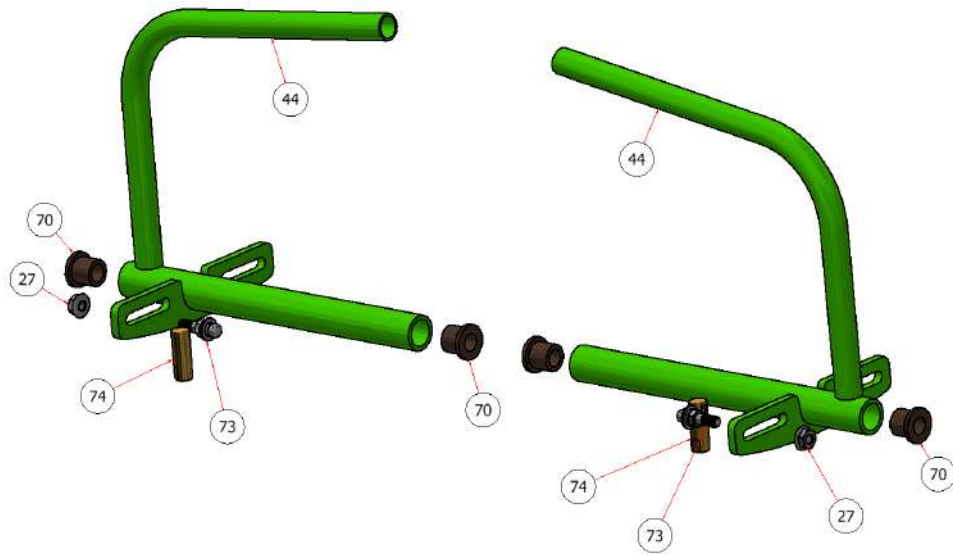
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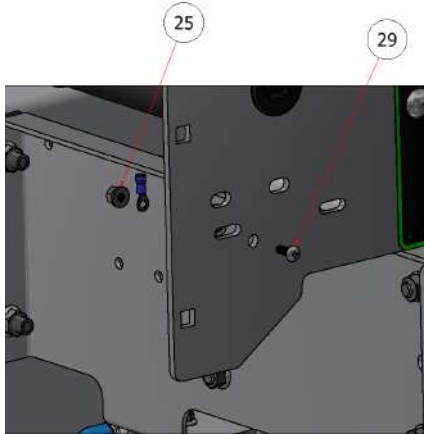
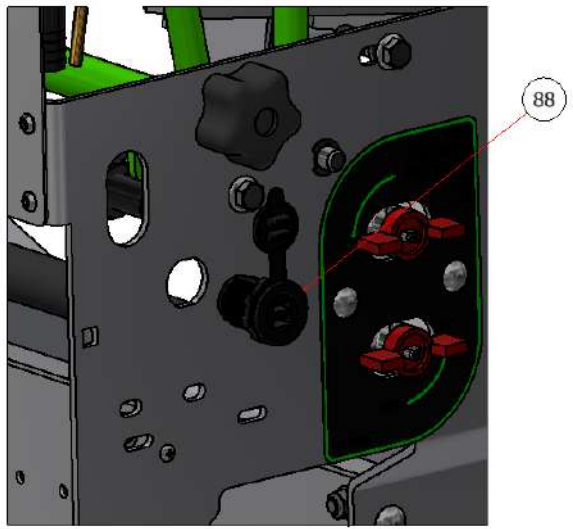
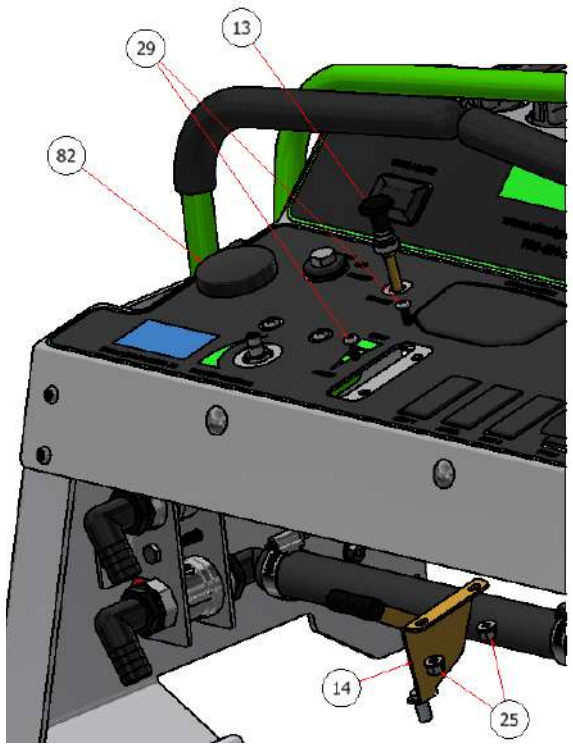
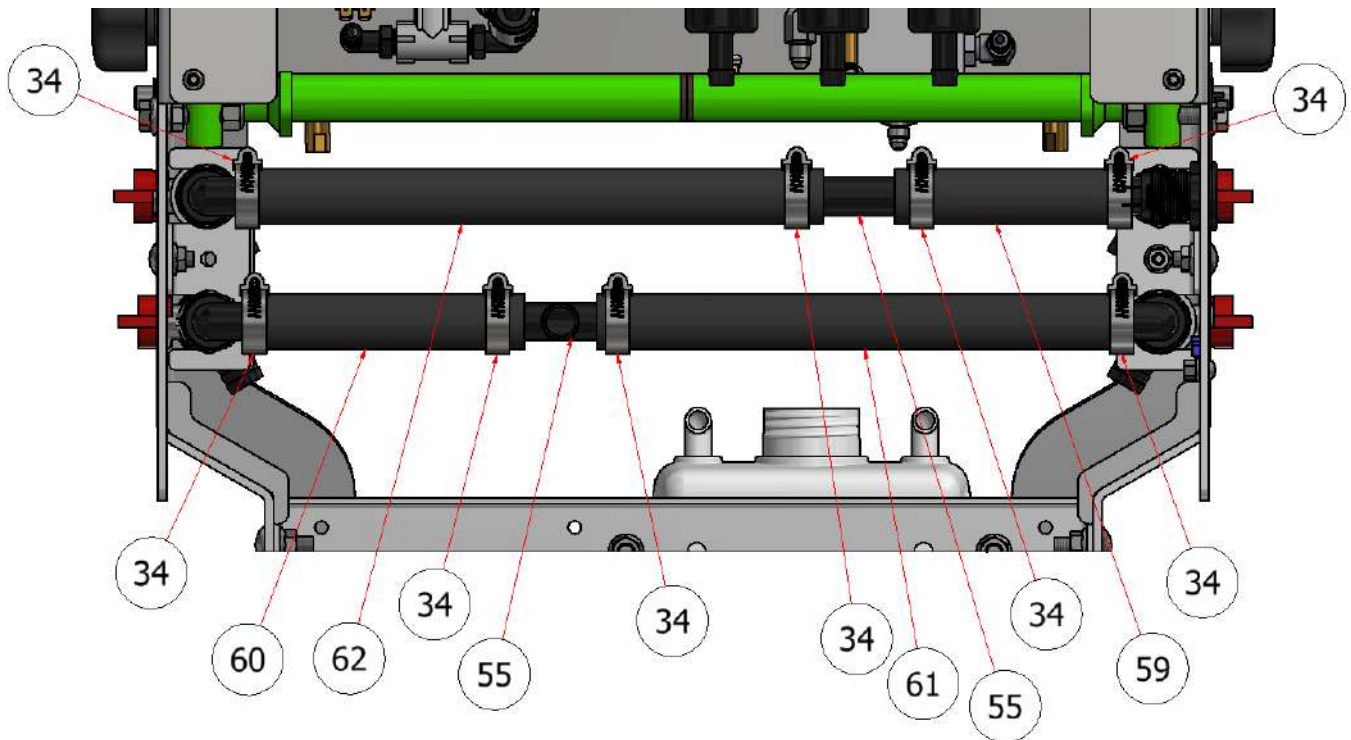
DRAWINGS & DIAGRAMS



DRAWINGS & DIAGRAMS



DRAWINGS & DIAGRAMS



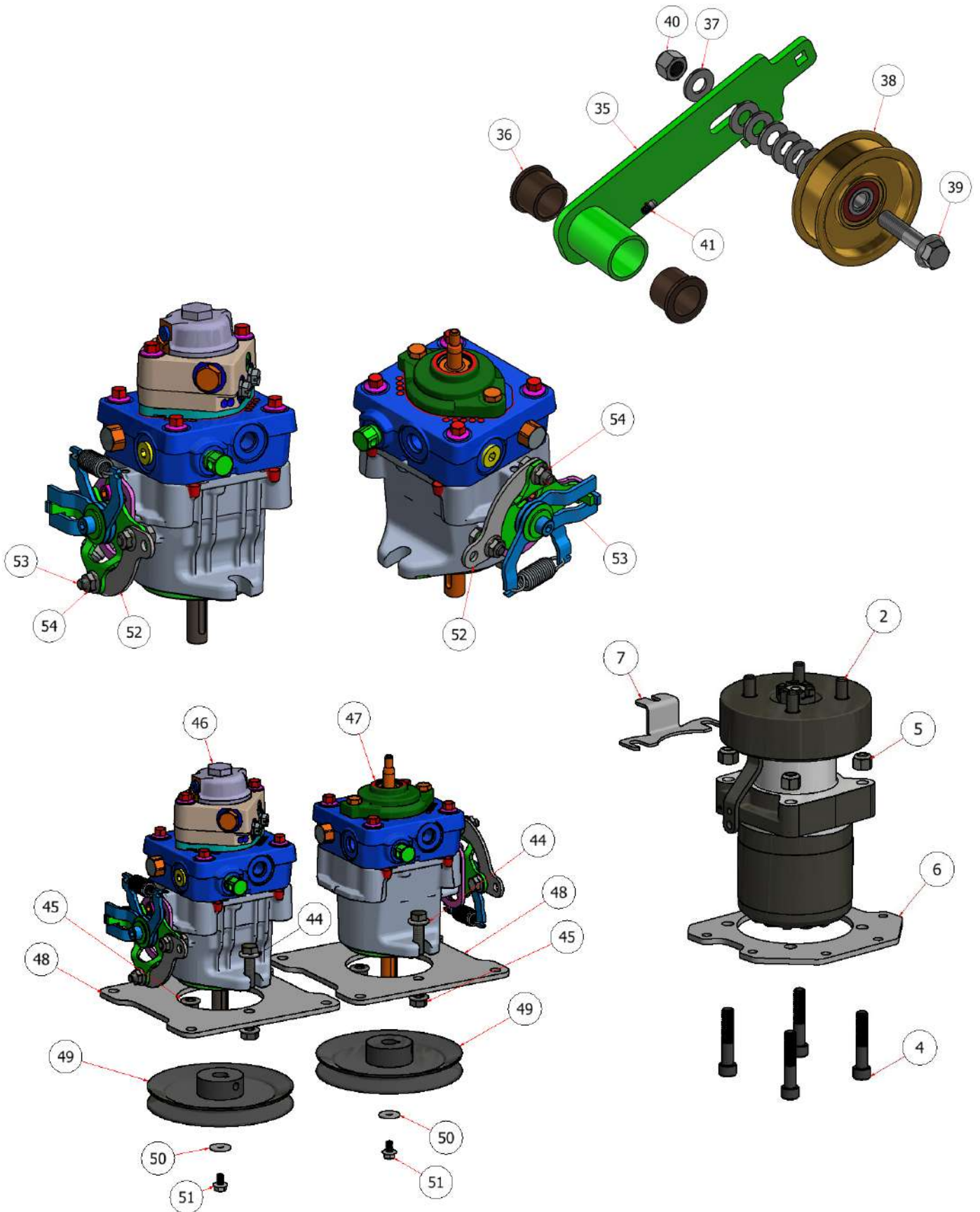
DRAWINGS & DIAGRAMS

CHASSIS SG36/42 2022							
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	HHCS5-3410	AXLE BOLT - 3/4-10 x 10	42	5	FWSS-38	FLAT WASHER, SS - 3/8
2	1	H80406	WHEEL MOTOR RIGHT SG36/42	43	5	SSNNC-38	NYLOCK, SS - 3/8-16
3	1	H80407	WHEEL MOTOR LEFT SG36/42	44	4	HFSSC-38114	HEX FLANGE BOLT 3/8 X 1-1/4
4	8	SHCS-12212	SOCKET HEAD CAP SCREW, SS - 1/2 x 2 1/2	45	38	HFNCS-38S	HEX FLANGE NUT - 3/8-16
5	8	SSNNC-12	NYLOCK, SS - 1/2-13	46	1	PG-2HBB-HA1X-XXXX	HYDRAULIC PUMP, LEFT
6	2	R21-219	WHEEL MOTOR BRACKET SG36	47	1	PG-3KBB-NA1X-XXXX	HYDRAULIC PUMP, RIGHT
	2	W21-230	WHEEL MOTOR BRACKET SG42/46	48	2	R21-016	PUMP MOUNTING PLATE
7	1	R21-055	SPEED SENSOR MOUNT	49	2	H82006	PULLY, PUMP
8	7	C60302	FOOT PAD PIN	50	2	FENWCB-M6X20X1.5	FLAT WASHER M6
9	1	E40204	BUTTON, FOOT SWITCH	51	2	JIS B 1189 - M6 X 10	HEX FLANGE BOLT M6 X 10
10	1	E40204	CAP, FOOT SWITCH	52	2	R21-017	BRACKET, THROTTLE
11	1	E40204	NUT, FOOT SWITCH	53	4	HFSSC-51634	HEX FLANGE BOLT 5/16-18 X 3/4
12	2	T90019	FRONT TIRE	54	4	HFNCS-516S	HEX FLANGE NUT 5/16-18
13	1	W21-083	CHASIS, FRONT SG36/42	55	2	TRPC-141S	PHILLIPS SCREW, SS - 1/4-20 x 1
14	1	W21-086-220	CHASIS PLATE, BOTTOM SG36/42	56	2	FWSS-34	FLAT WASHER, SS - 3/4
15	1	W21-087	FOOT BOARD SG36/42	57	2	SSNNC-34	NYLOCK, SS - 3/4-10
16	1	W21-069-L	TANK SUPPORT BRACKET, LEFT SG36	58	4	T90315	BUSHING, FRONT WHEEL
	1	W21-069-R	TANK SUPPORT BRACKET, RIGHT SG36	59	2	CPSS 532X112	STEEL COTTER PIN
	1	W21-105-L	TANK SUPPORT BRACKET, LEFT SG42/46	60	4	H84016	1/2 MALE JIC X 1/2 ORB ELB
	1	W21-105-R	TANK SUPPORT BRACKET, RIGHT SG42/46	61	2	H84005	1/2 MALE JIC X 3/4 ORB ELB
17	2	W21-022	YOKE, FRONT TIRE	62	1	H84025	1/4 MALE JIC X 3/8 ORB ELB MED
18	3	C60367	SPRING	63	3	H84004	1/4 MALE JIC x 3/8 ORB ELB
19	1	R21-018-01	IDLER SPRING MOUNT	64	2	H84002	1/4 MALE JIC X 1/4 ORB
20	1	C60301	FOOT PAD SG36/42	65	1	H84008	1/4 MALE JIC x 1/4 FEMALE SWIVEL ELB
21	1	R21-024	FOOT SWITCH PLATE	66	2	H84005-LL	1/2 MALE JIC X 3/4 ORB ELB LONG
22	PARTS NOT USED ON SG36/42			67	1	K10006	SG36 HYDRAULIC HOSE KIT
23				67	1	K10005	SG42 HYDRAULIC HOSE KIT
24	20	HFSSC-381	HEX FLANGE BOLT, SS - 3/8-16 x 1	68	1	SHJN-1-14	FLAT WASHER, SS-1
25	8	CB-12112SS	CARRIAGE BOLT, SS - 1/2-13 x 1 1/2	69	1	ECSS-098	SNAP RING
26	13	HFNCS-12S	HEX FLANGE NUT, SS - 1/2-13	70	PART NOT USED ON SG36/42		
27	2	T90313	HEX NUT, SLOTTED	71	1	R21-228	FOOT PEDAL, PARKING BRAKE
28	2	T90306	METAL DUST CAP	72	2	R21-237	BRACKET, PARKING BRAKE
29	4	T90308	BEARING, SPINDLE	73	4	CB-5161SS	CARRIAGE BOLT, 5/16 X 1
30	2	T90302	SEAL, SPINDLE	74	2	CB-381SS	CARRIAGE BOLT, 3/8 X 1
31	1	W21-216	CHASIS, REAR SG36/42	75	4	HFNCS-516S	HEX NUT, 5/16
32	5	HFSSC-12112	HEX FLANGE BOLT, SS - 1/2-13 x 1 1/2	76	2	SSNNC-38	HEX NUT, NYLOK, 3/8
33	19	CB-381SS	CARRIAGE BOLT, SS - 3/8-16 x 1	77	4	FWSS-38	FLAT WASHER, 3/8
34	1	W21-102	IDLER ARM SHAFT SG36/42	78	2	C60112	SPRING, IDLER, PARKING BREAK
35	1	W21-020	IDLER ARM	79	2	D71018	CABLE, PARKING BRAKE
36	2	C60304	BUSHING, OIL INFUSED				
37	7	FW-SAE-12	FLAT WASHER SAE, SS-1/2				
38	1	H82003	IDLER PULLY				
39	1	HFCS-12214	HEX FLANGE BOLT, 1/2-13 X 2-1/4				
40	1	SSNNC-12	NYLOCK, SS-1/2-13				
41	3	6F-316D	GREASE FITTING				

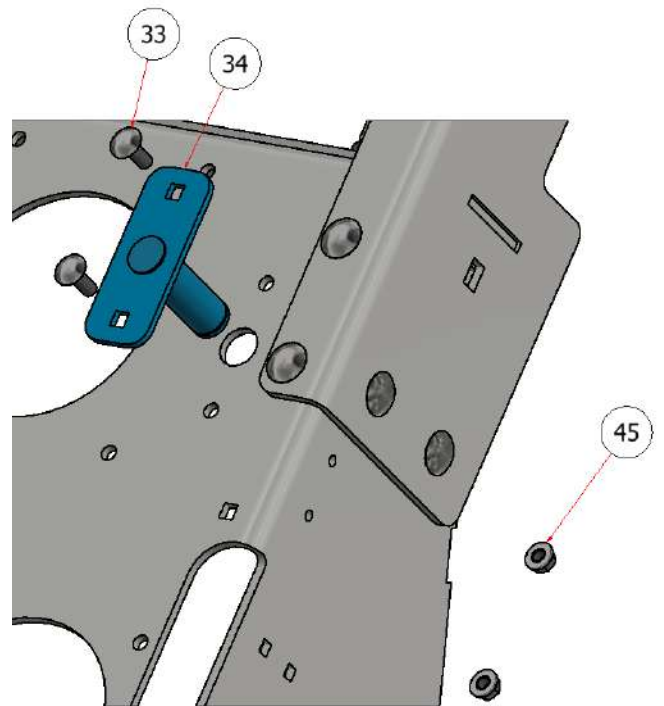
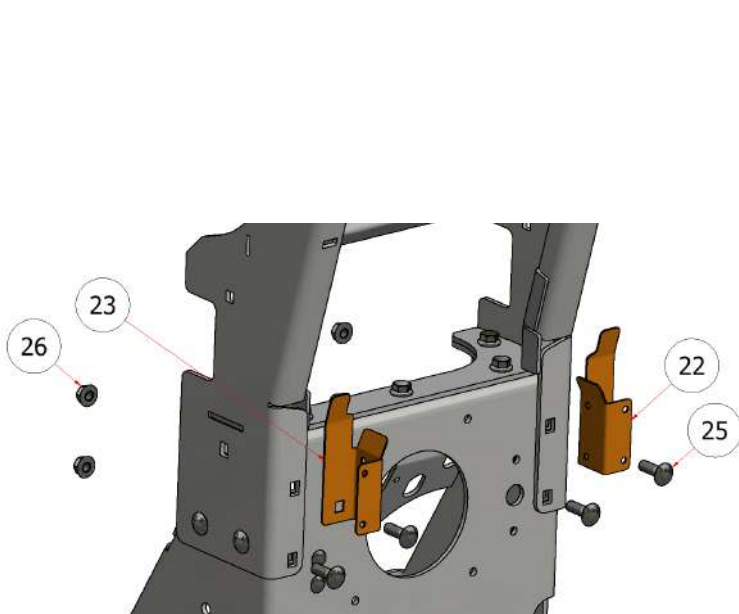
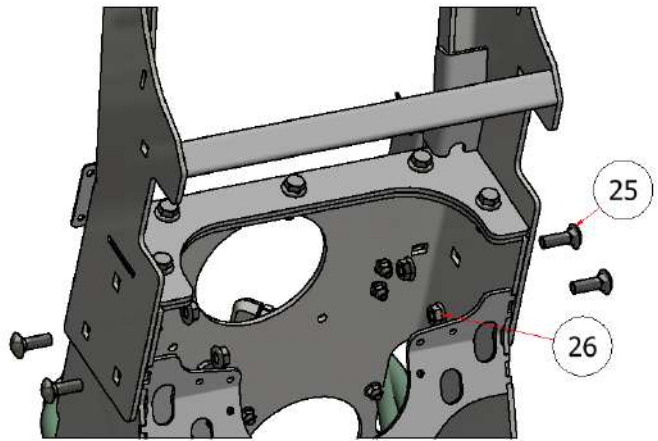
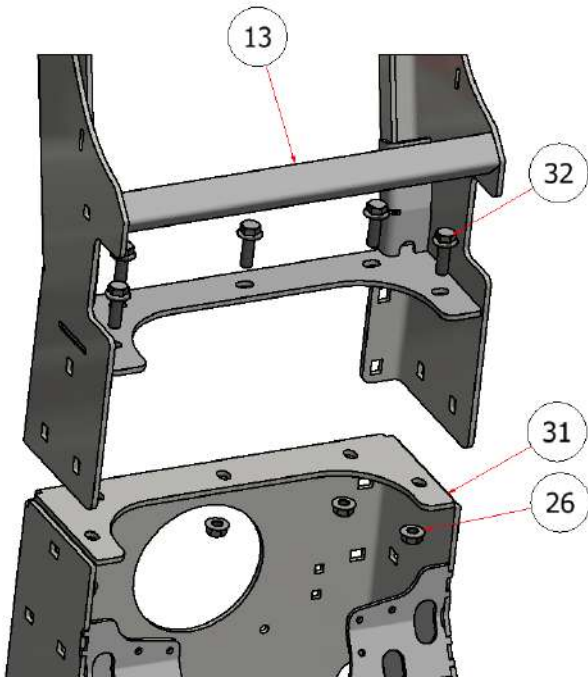
DRAWINGS & DIAGRAMS

CHASSIS SG46/52 2022							
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	HHCS5-3410	AXLE BOLT - 3/4-10 x 10	43	5	SSNNC-38	NYLOCK, SS - 3/8-16
2	1	H80415	WHEEL MOTOR RIGHT SG46/52	44	4	HFSSC-38114	HEX FLANGE BOLT 3/8 X 1-1/4
3	1	H80414	WHEEL MOTOR LEFT SG46/52	45	38	HFNC5-38S	HEX FLANGE NUT - 3/8-16
4	8	SHCS-12212	SOCKET HEAD CAP SCREW, SS - 1/2 x 2 1/2	46	1	PG-2HBB-HA1X-XXXX	HYDRAULIC PUMP, LEFT
5	8	SSNNC-12	NYLOCK, SS - 1/2-13	47	1	PG-3KBB-NA1X-XXXX	HYDRAULIC PUMP, RIGHT
6	1	W21-231	WHEEL MOTOR BRACKET SG52	48	2	R21-016	PUMP MOUNTING PLATE
	1	W21-230	WHEEL MOTOR BRACKET SG42/46	49	2	H82006	PULLY, PUMP
7	1	R21-055	SPEED SENSOR MOUNT	50	2	FENWCB-M6X20X1.5	FLAT WASHER M6
8	7	C60302	FOOT PAD PIN	51	2	JIS B 1189 - M6 X 10	HEX FLANGE BOLT M6 X 10
9	1	E40204	BUTTON, FOOT SWITCH	52	2	R21-017	BRACKET, THROTTLE
10	1	E40204	CAP, FOOT SWITCH	53	4	HFSSC-51634	HEX FLANGE BOLT 5/16-18 X 3/4
11	1	E40204	NUT, FOOT SWITCH	54	4	HFNC5-516S	HEX FLANGE NUT 5/16-18
12	2	T90019	FRONT TIRE	55	2	TRPC-141S	PHILLIPS SCREW, SS - 1/4-20 x 1
13	1	W21-004	CHASIS, FRONT SG46/52	56	2	FWSS-34	FLAT WASHER, SS - 3/4
14	1	W21-011-220	CHASIS PLATE, BOTTOM SG52/46	57	2	SSNNC-34	NYLOCK, SS - 3/4-10
15	1	W21-013	FOOT BOARD SG46/52	58	4	T90315	BUSHING, FRONT WHEEL
16	1	W21-105-L	TANK SUPPORT BRACKET, LEFT SG42/46	59	2	CPSS 532X112	STEEL COTTER PIN
	1	W21-105-R	TANK SUPPORT BRACKET, RIGHT SG42/46	60	4	H84016	1/2 MALE JIC X 1/2 ORB ELB
	1	W21-056-L	TANK SUPPORT BRACKET, LEFT SG52	61	2	H84005	1/2 MALE JIC X 3/4 ORB ELB
	1	W21-056-R	TANK SUPPORT BRACKET, RIGHT SG52	62	3	H84025	1/4 MALE JIC X 3/8 ORB ELB MED
17	2	W21-022	YOKE, FRONT TIRE	63	3	H84004	1/4 MALE JIC X 3/8 ORB ELB
18	3	C60367	SPRING	64	2	H84002	1/4 MALE JIC X 1/4 ORB
19	1	R21-018-01	IDLER SPRING MOUNT	65	1	H84008	1/4 MALE JIC x 1/4 FEMALE SWIVEL ELB
20	1	C60300	FOOT PAD SG46/52	66	2	H84007	1/2 MALE JIC X 3/4 ORB ELB
21	1	R21-024	FOOT SWITCH PLATE	67	1	K10000	SG52 HYDRAULIC HOSE KIT
22	1	R21-114	BRACKET. HOSE GUIDE, RIGHT			K10005	SG46 HYDRAULIC HOSE KIT
23	1	R21-114-L	BRACKET, HOSE GUIDE, LEFT	68	1	SHJN-1-14	FLAT WASHER, SS-1
24	20	HFSSC-381	HEX FLANGE BOLT, SS - 3/8-16 x 1	69	1	ECSS-098	SNAP RING
25	12	CB-12112SS	CARRIAGE BOLT, SS - 1/2-13 x 1 1/2	70	1	H84024	1/4 MALE JIC X 3/8 ORB ELB LONG
26	17	HFNC5-12S	HEX FLANGE NUT, SS - 1/2-13	71	1	R21-227	FOOT PEDAL, PARKING BRAKE, SG46/52
27	2	T90313	HEX NUT, SLOTTED	72	2	R21-237	BRACKET, PARKING BRAKE
28	2	T90306	METAL DUST CAP	73	4	CB-5161SS	CARRIAGE BOLT, 5/16 X 1
29	4	T90308	BEARING, SPINDLE	74	2	CB-381SS	CARRIAGE BOLT, 3/8 X 1
30	2	T90302	SEAL, SPINDLE	75	4	HFNC5-516S	HEX NUT, 5/16
31	1	W21-215	CHASIS. REAR SG46/52	76	2	SSNNC-38	HEX NUT, NYLON, 3/8
32	5	HFSSC-12112	HEX FLANGE BOLT, SS - 1/2-13 x 1 1/2	77	4	FWSS-38	FLAT WASHER, 3/8
33	19	CB-381SS	CARRIAGE BOLT, SS - 3/8-16 x 1	78	2	C60112	SPRING, IDLER, PARKING BREAK
34	1	W21-021	IDLER ARM SHAFT SG46/52	79	2	D71018	CABLE, PARKING BRAKE
35	1	W21-020	IDLER ARM				
36	2	C60304	BUSHING, OIL INFUSED				
37	7	FW-SAE-12	FLAT WASHER SAE, SS-1/2				
38	1	H82003	IDLER PULLY				
39	1	HFCS-12214	HEX FLANGE BOLT, 1/2-13 X 2-1/4				
40	1	SSNNC-12	NYLOCK, SS-1/2-13				
41	3	6F-316D	GREASE FITTING				
42	5	FWSS-38	FLAT WASHER, SS - 3/8				

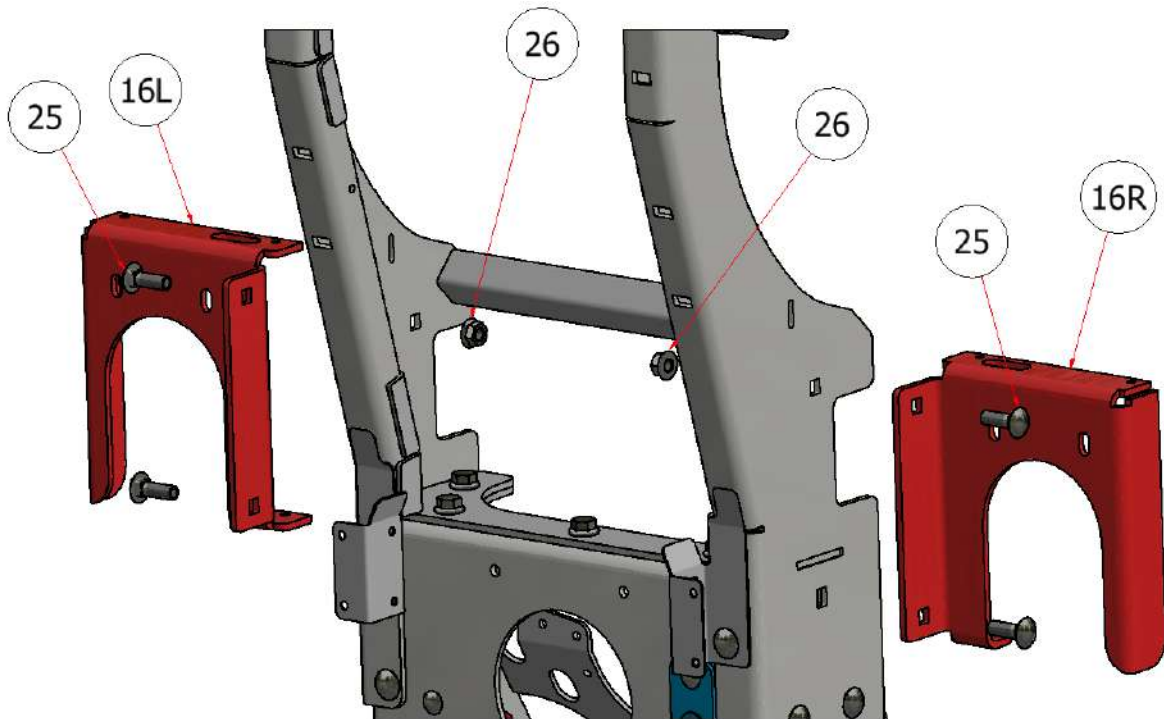
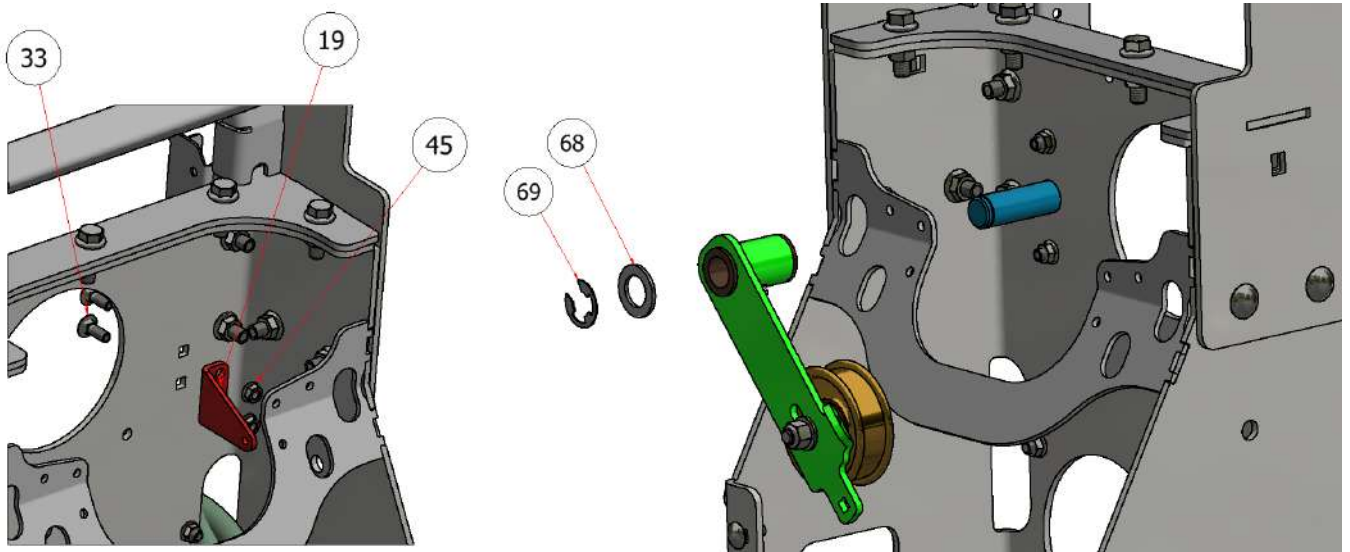
DRAWINGS & DIAGRAMS



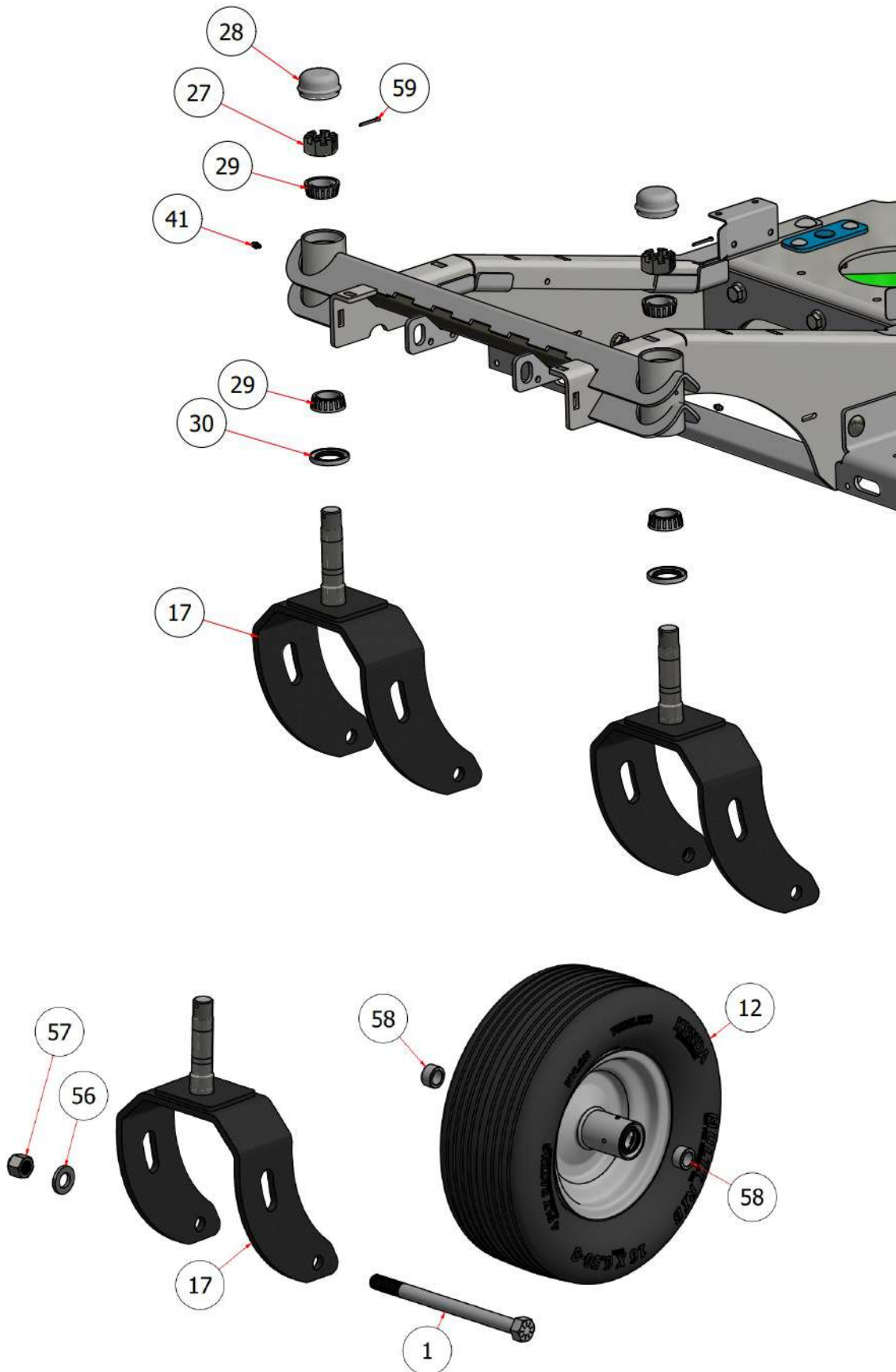
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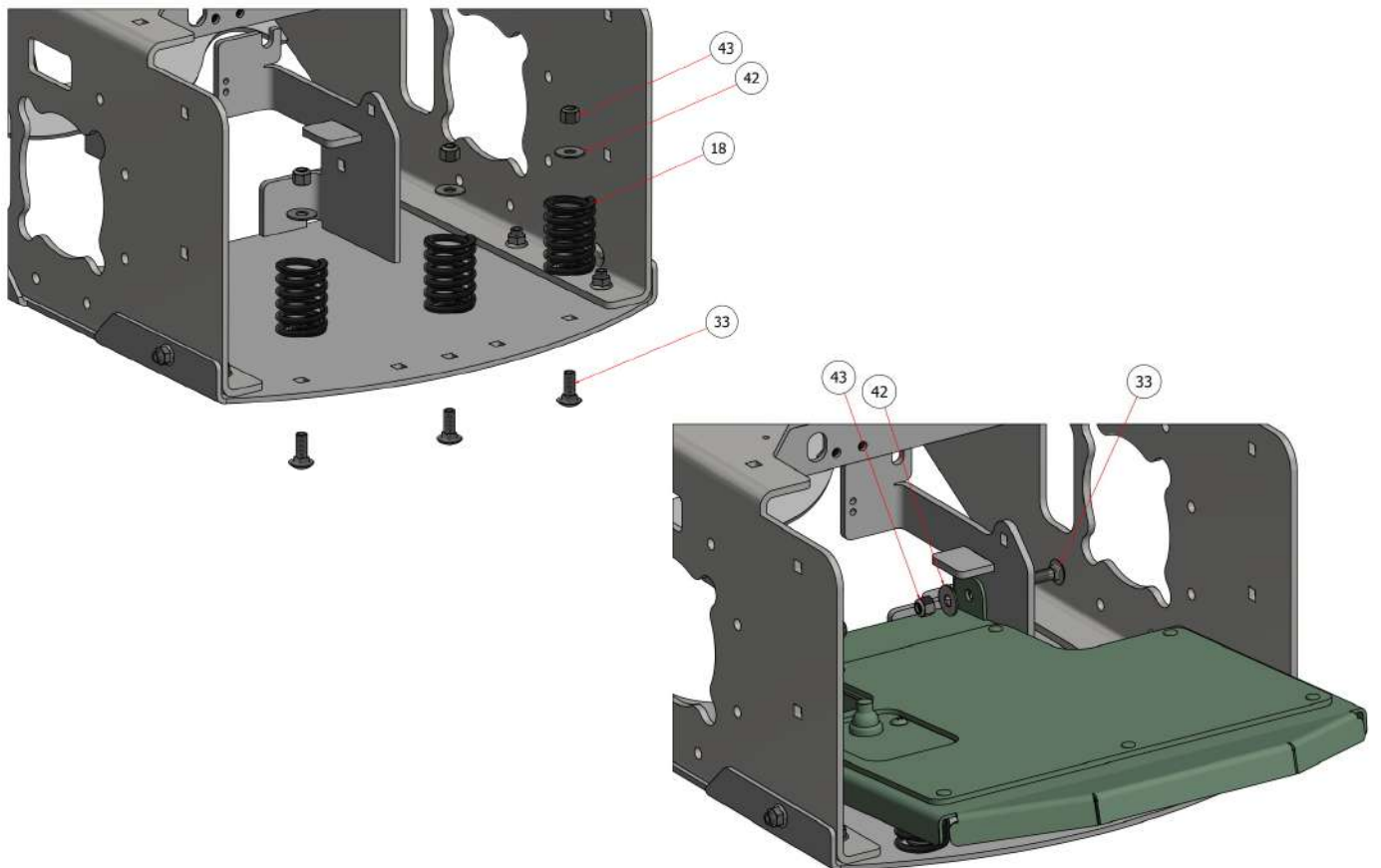
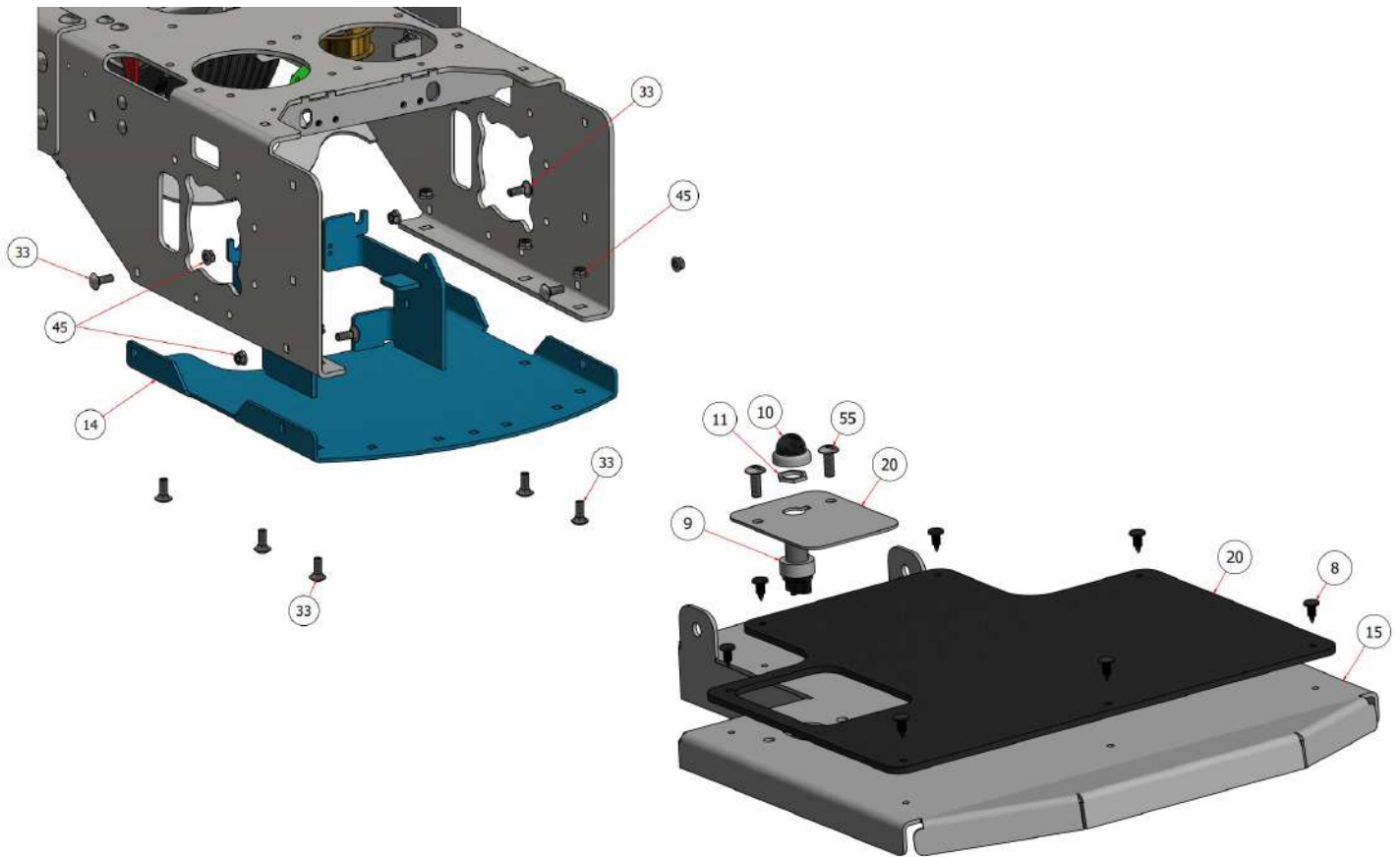
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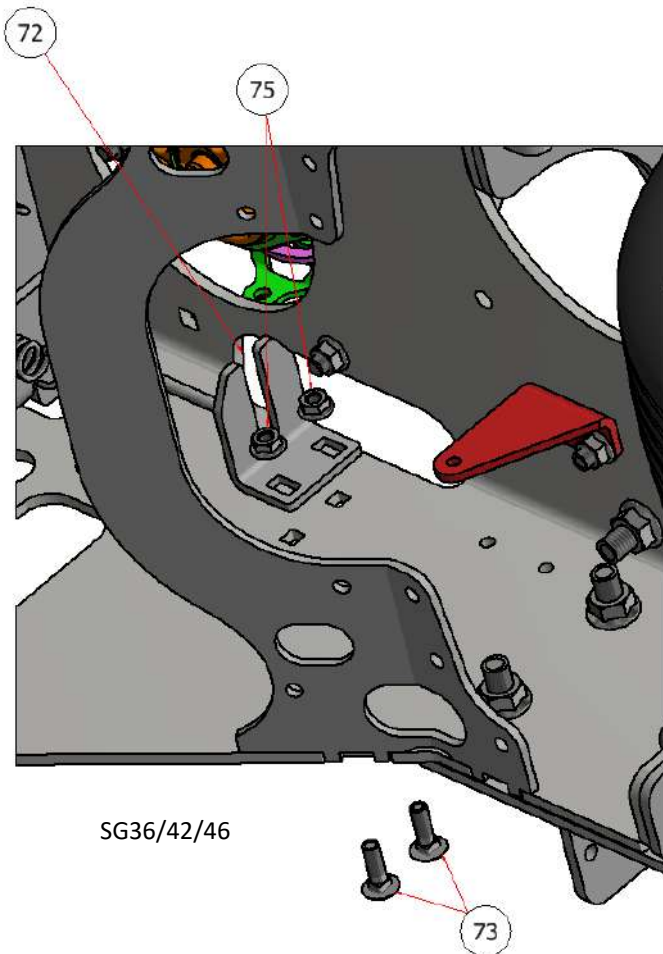
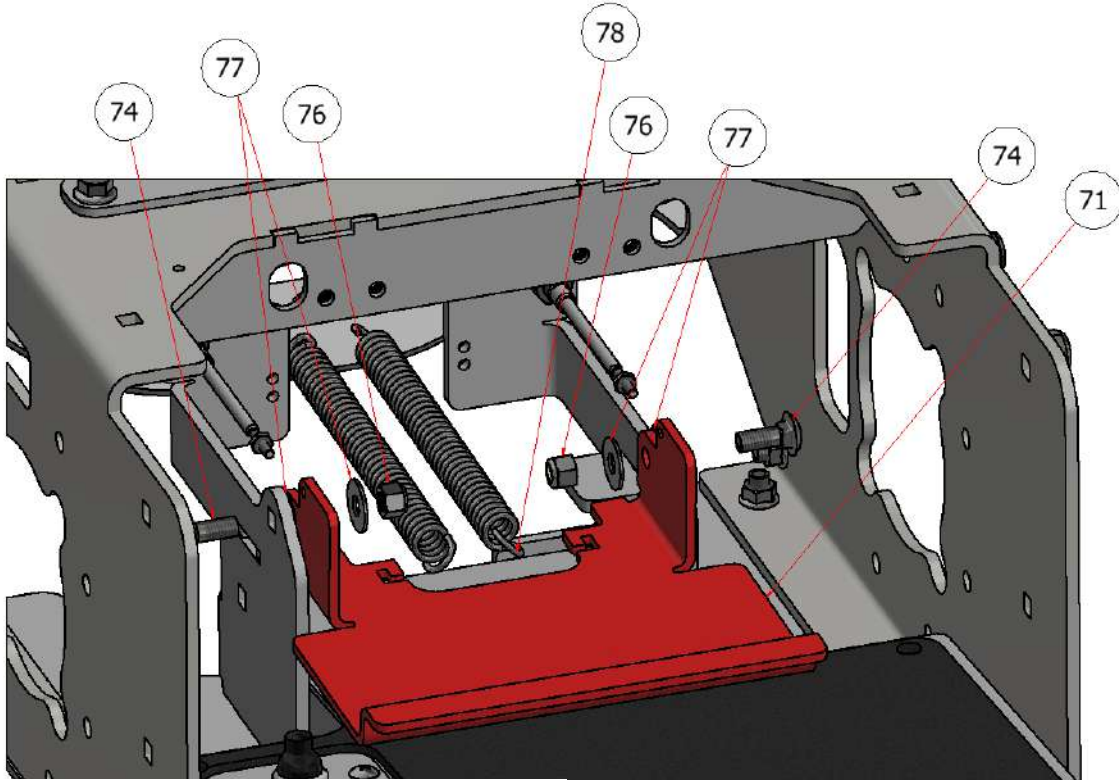
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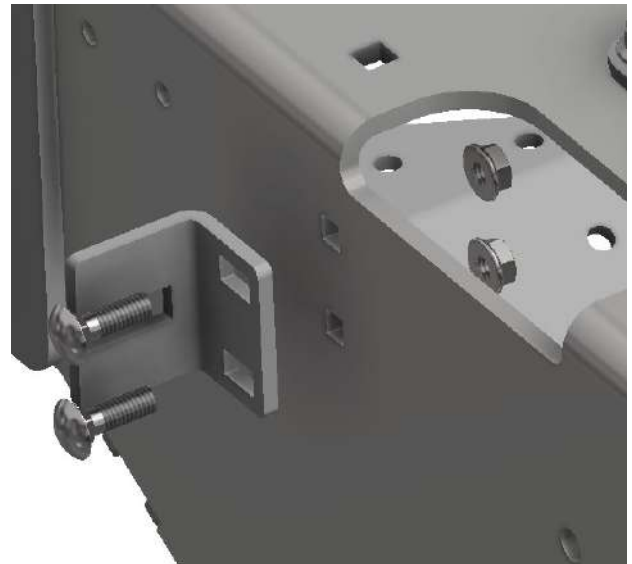
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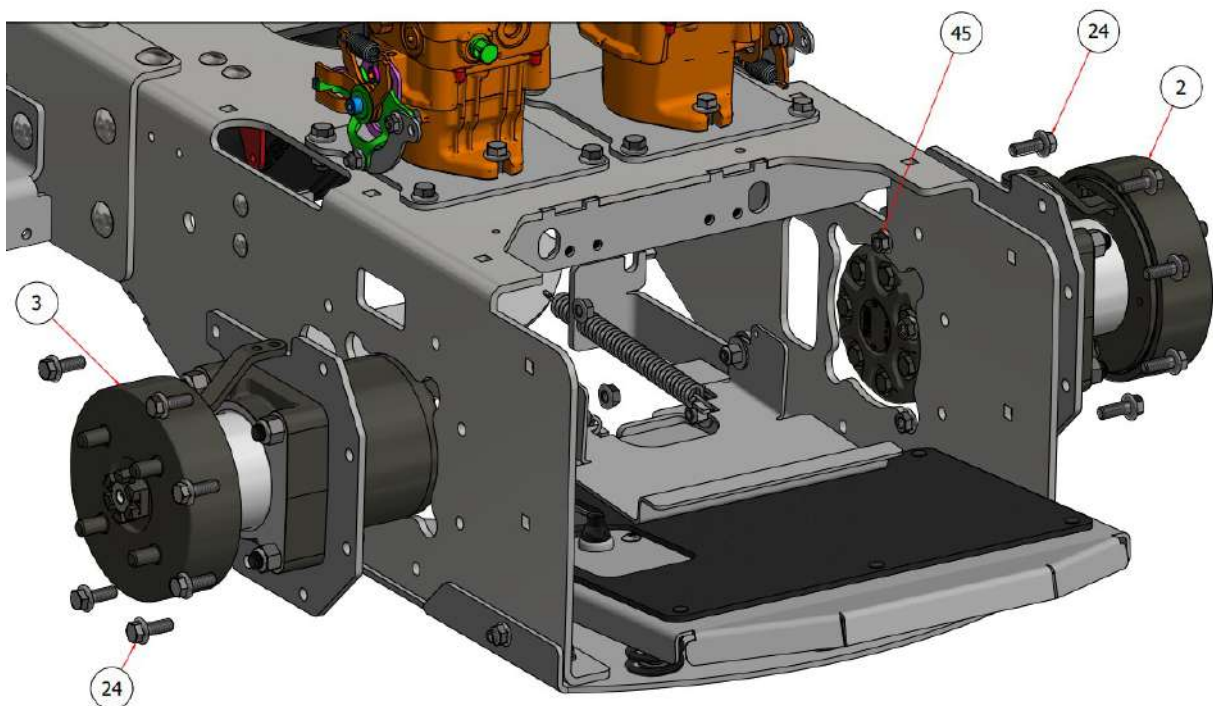
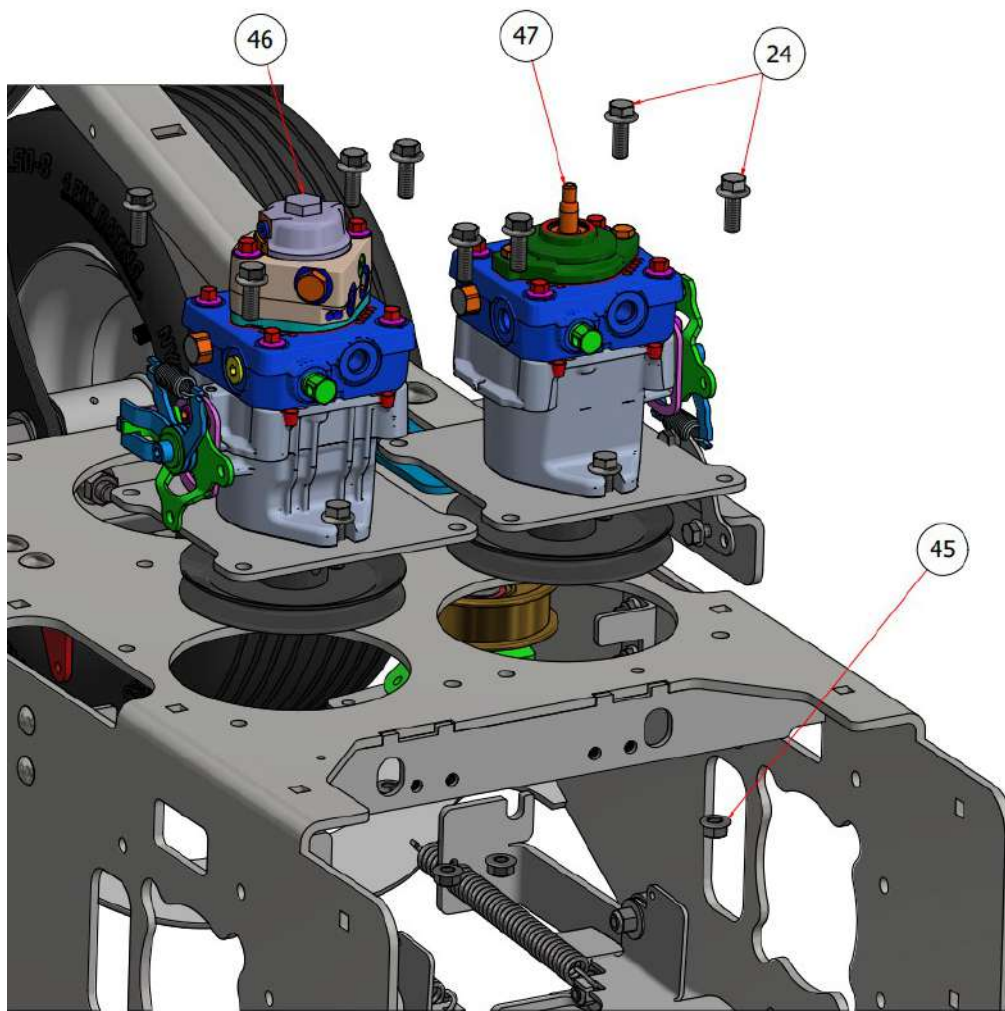


SG36/42/46



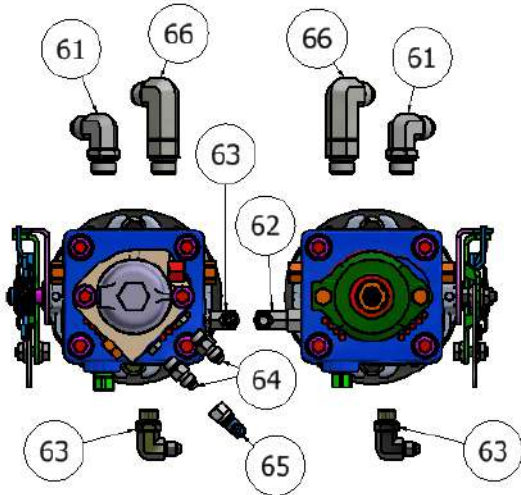
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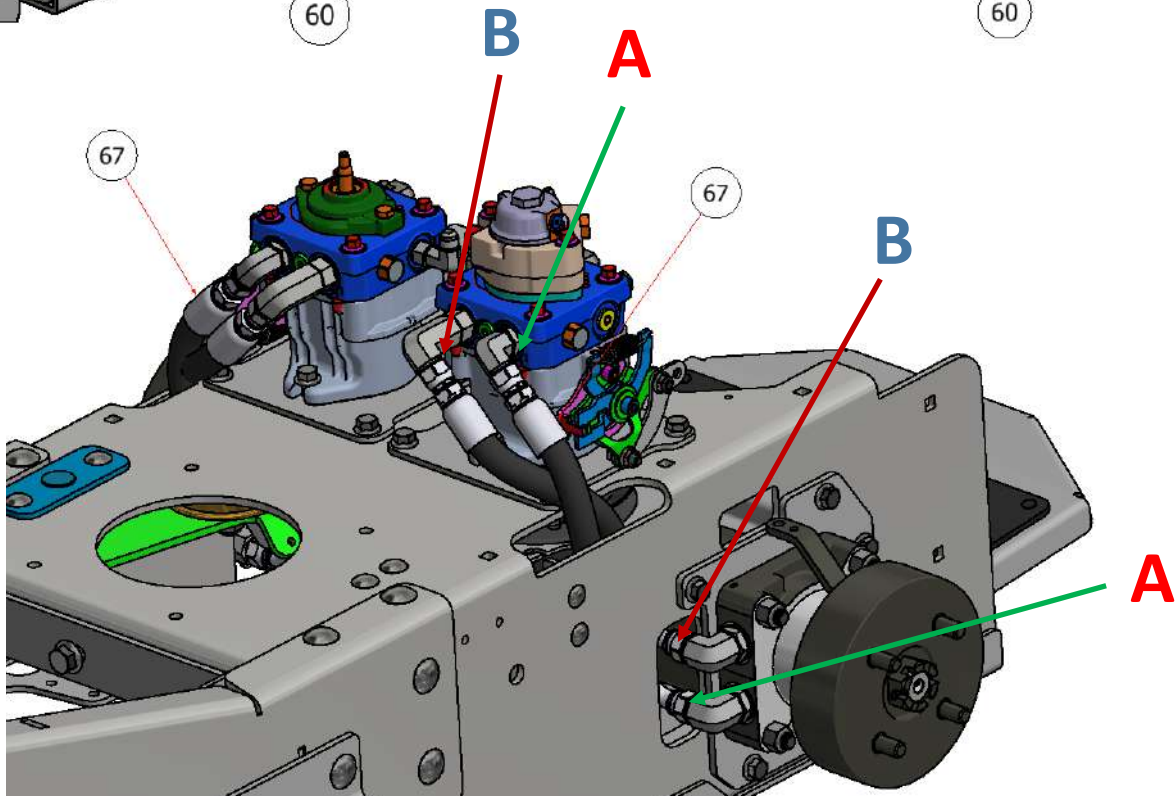
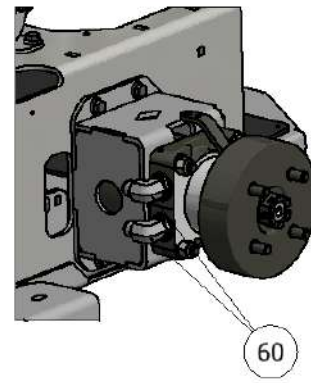
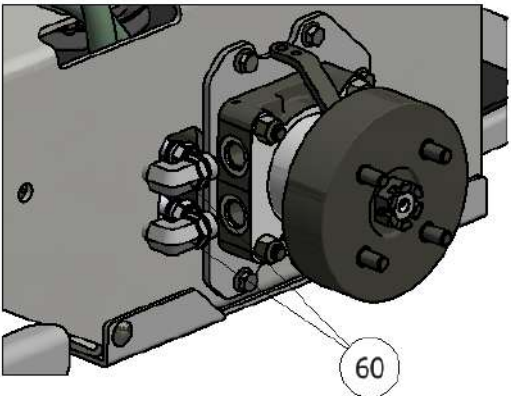
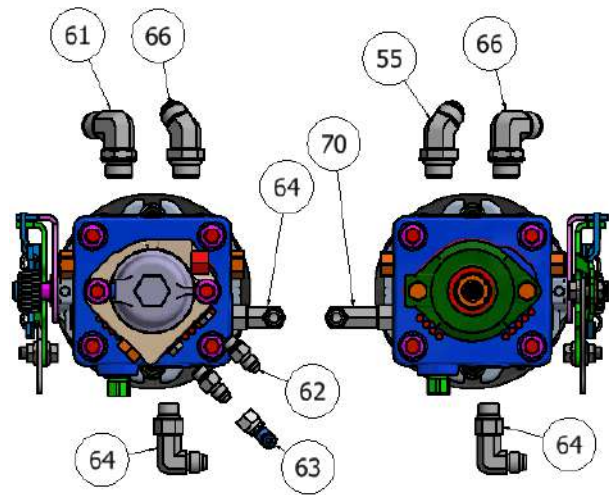


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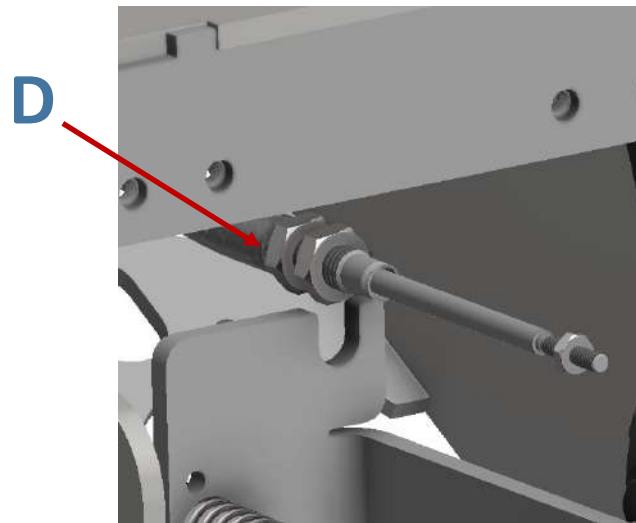
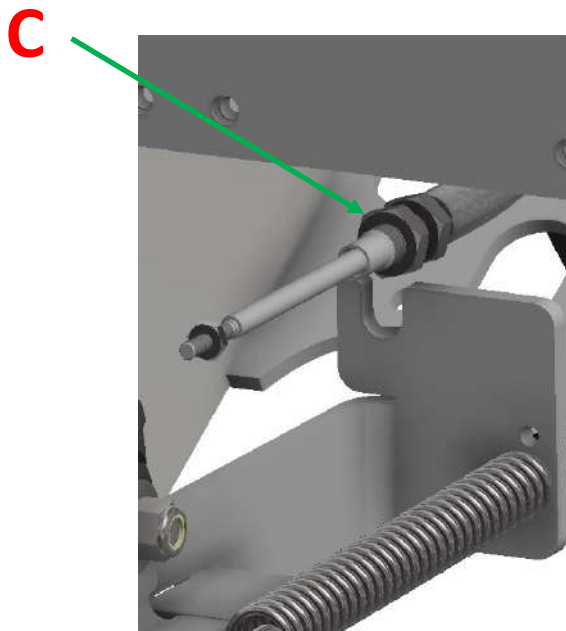
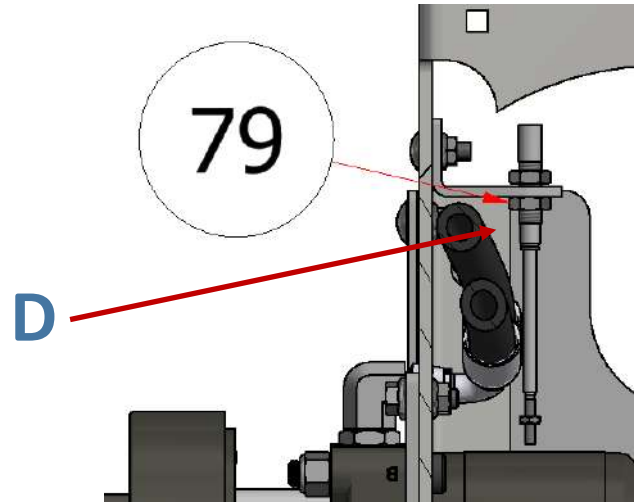
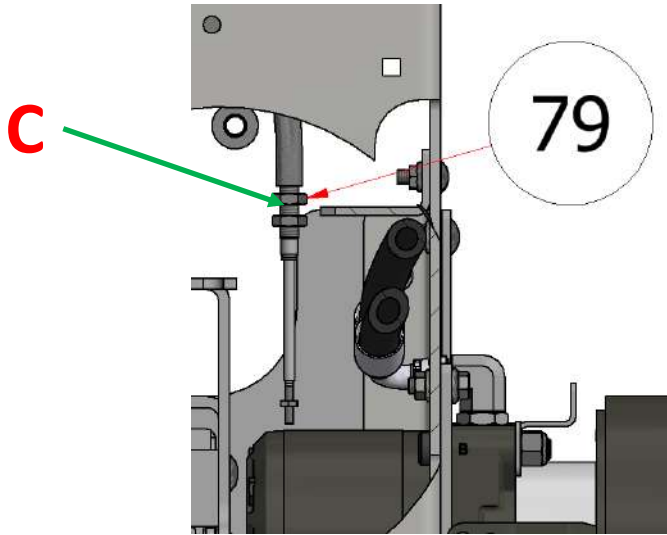
SG36/42



SG46/52



DRAWINGS & DIAGRAMS



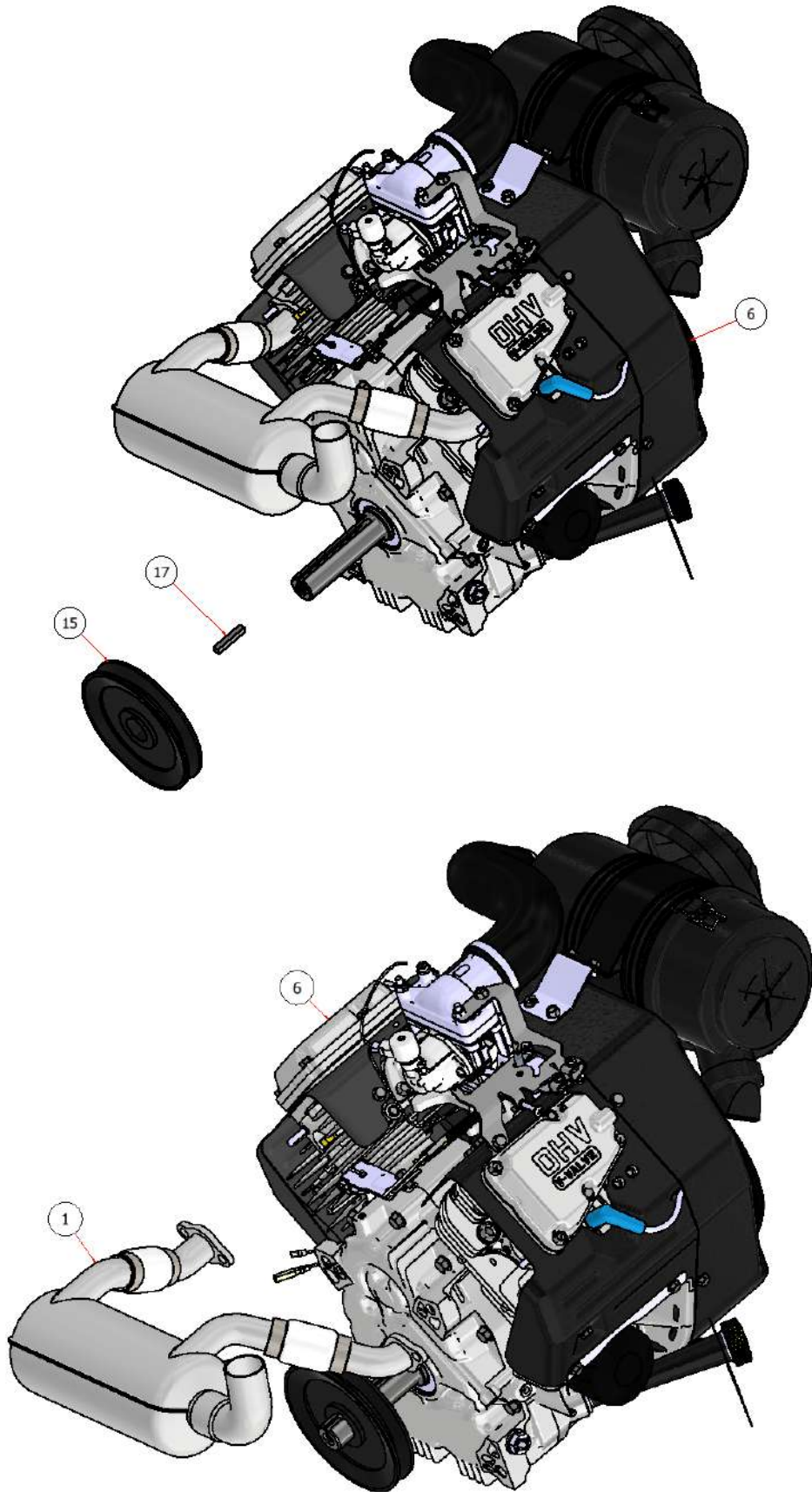
DRAWINGS & DIAGRAMS

ENGINE \ HYDRAULICS SG36/42 2022			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	X30004	MUFFLER, KAWASAKI
2	1	R21-202	HEAT SHEILD, MUFFLER, SG36/42
3	10	HFNCS-516S	HEX NUT, 5/16
4	2	R21-225	BRACKET,PARKING BRAKE,WHEEL MOTOR
5	1	HM-0812510	HEX BOLT, METRIC 8 X 1.25 X 10
6	1	FX730V-AR10-R	ENGINE, KAWASAKI, 26HP
7	2	2447K110	CLEVIS, PARKING BRAKE CABLE
8	6	CB-381SS	CARRIAGE BOLT, SS - 3/8-16 x 1
9	6	HFNCS-38S	HEX FLANGE NUT - 3/8-16
10	1	R21-203	DEBRIS SHIELD, MUFFLER, SG36/42
11	1	C60313	DECAL, HYDRAULIC OIL TANK
12	4	HFSSC-3815	HEX BOLT, 3/8 X 1-1/2
13	5	FWSS-516	FLAT WASHER, 5/16
14	4	SSNC-516	HEX NUT, NYLOCK, 5/16
15	1	H82007	PULLY, ENGINE
16	2	HFSSC-1475	HEX BOLT, 1/4 X 3/4
17	1	KS-14X14X1.5	KEY, 1/4 X 1/4 X 1-1/2
18	2	CB-3834SS	CARRIAGE BOLT, SS - 3/8-16 x 3/4
19	1	R21-221	SG42/36 BELT GUARD, REAR
20	4	SSHFN 0.25-20	HEX NUT, 1/4-20
21	2	HFSSC-51675	HEX BOLT, 5/16 X 3/4
22	1	C60112	SPRING, IDLER
23	2	TRPC-141S	SCREW, PHILLIPS, 1/4" X 1"
24	2	C60306	ROD END, RH
25	4	CB-51634	CARRIAGE BOLT, SS - 5/16-18 x 3/4
26	2	R31019	ROD, STEERING
27	1	SHCS-516-24X58	SOCKET HD. CAP SCREW 5/16 X 5/8
28	2	9451K83	RUBBER STOP
29	1	A48R	BELT, ENGINE, SG36/42
30	1	SG-IGN-KAW-1	WIRE HARNESS, KAWASAKI
31	3	HFSSC-145	HEX BOLT, 1/4 X 1/2
32	3	SSHFN-.25	HEX NUT, 1/4-20

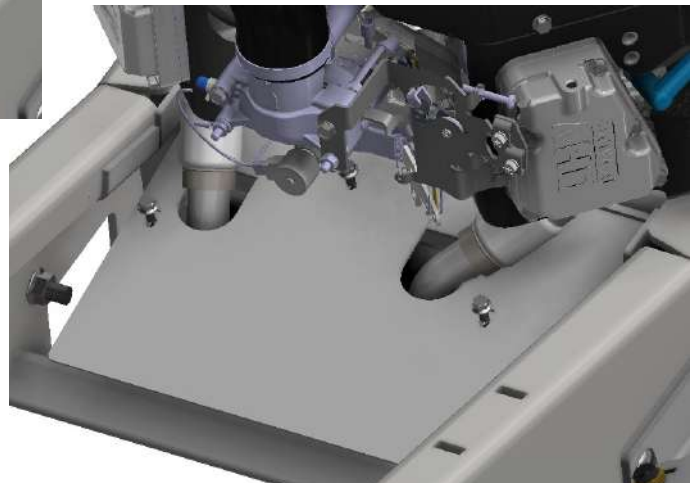
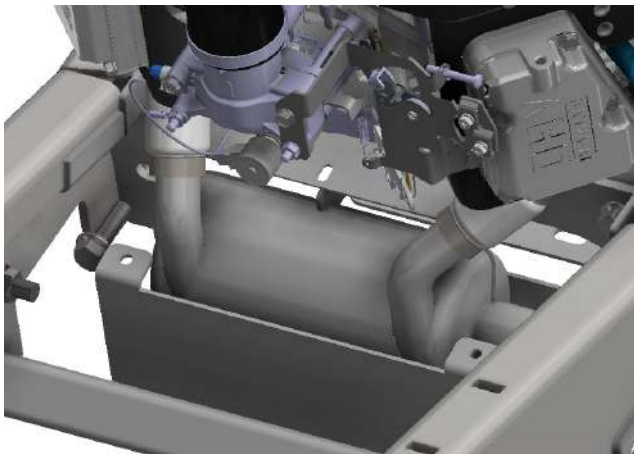
DRAWINGS & DIAGRAMS

ENGINE \ HYDRAULICS SG46/52 2022			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	X30004	MUFFLER, KAWASAKI
2	1	R21-200	HEAT SHEILD, MUFFLER, SG46/52
3	10	HFNCS-516S	HEX NUT, 5/16
4	2	R21-225	BRACKET,PARKING BRAKE,WHEEL MOTOR
5	1	HM-0812510	HEX BOLT, METRIC 8 X 1.25 X 10
6	1	FX730V-AR10-R	ENGINE, KAWASAKI, 26HP
7	2	2447K110	CLEVIS, PARKING BRAKE CABLE
8	6	CB-381SS	CARRIAGE BOLT, SS - 3/8-16 x 1
9	6	HFNCS-38S	HEX FLANGE NUT - 3/8-16
10	1	R21-201	DEBRIS SHIELD, MUFFLER, SG46/52
11	1	C60313	DECAL, HYDRAULIC OIL TANK
12	4	HFSSC-3815	HEX BOLT, 3/8 X 1-1/2
13	5	FWSS-516	FLAT WASHER, 5/16
14	4	SSNC-516	HEX NUT, NYLOCK, 5/16
15	1	H82007	PULLY, ENGINE
16	2	HFSSC-1475	HEX BOLT, 1/4 X 3/4
17	1	KS-14X14X1.5	KEY, 1/4 X 1/4 X 1-1/2
18	2	CB-3834SS	CARRIAGE BOLT, SS - 3/8-16 x 3/4
19	1	R21-229	SG46/52 BELT GUARD, REAR
20	4	SSHFN 0.25-20	HEX NUT, 1/4-20
21	2	HFSSC-51675	HEX BOLT, 5/16 X 3/4
22	1	C60112	SPRING, IDLER
23	2	TRPC-141S	SCREW, PHILLIPS, 1/4" X 1"
24	2	C60306	ROD END, RH
25	4	CB-51634	CARRIAGE BOLT, SS - 5/16-18 x 3/4
26	2	R31019	ROD, STEERING
27	1	SHCS-516-24X58	SOCKET HD. CAP SCREW 5/16 X 5/8
28	2	9451K83	RUBBER STOP
29	1	A50R	BELT, ENGINE, SG46/52
30	1	SG-IGN-KAW-1	WIRE HARNESS, KAWASAKI
31	3	HFSSC-145	HEX BOLT, 1/4 X 1/2
32	3	SSHFN-.25	HEX NUT, 1/4-20

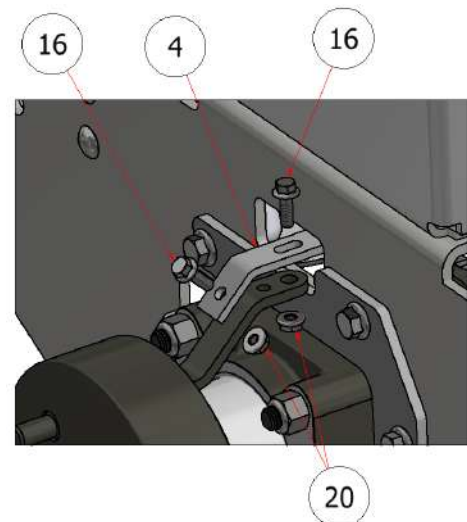
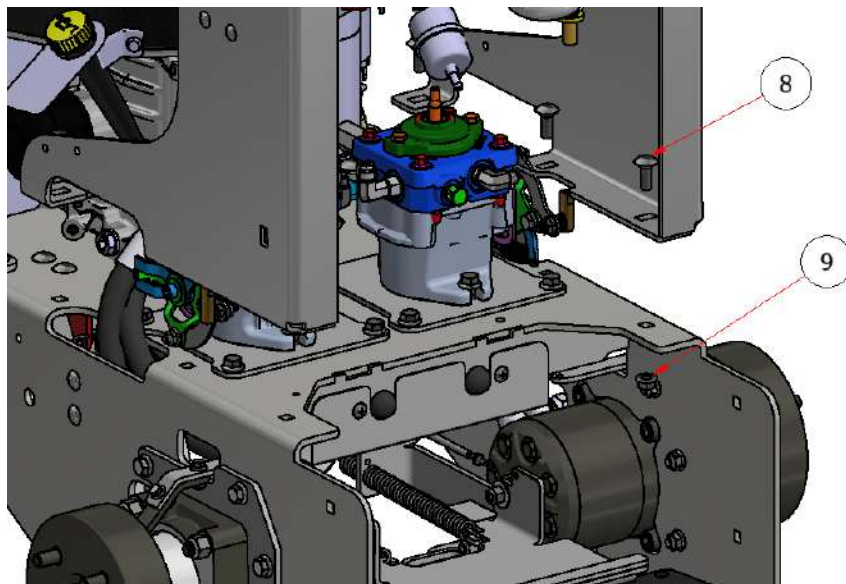
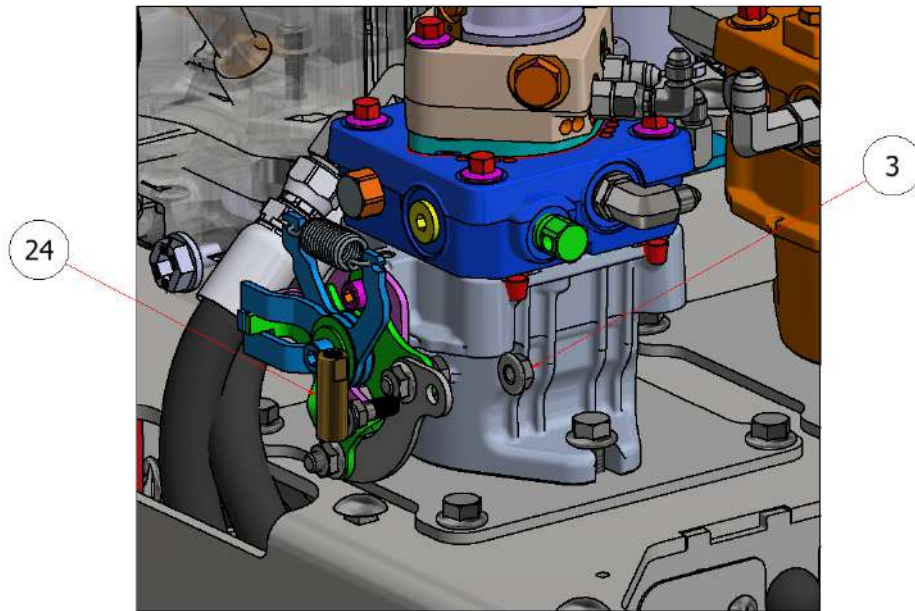
DRAWINGS & DIAGRAMS



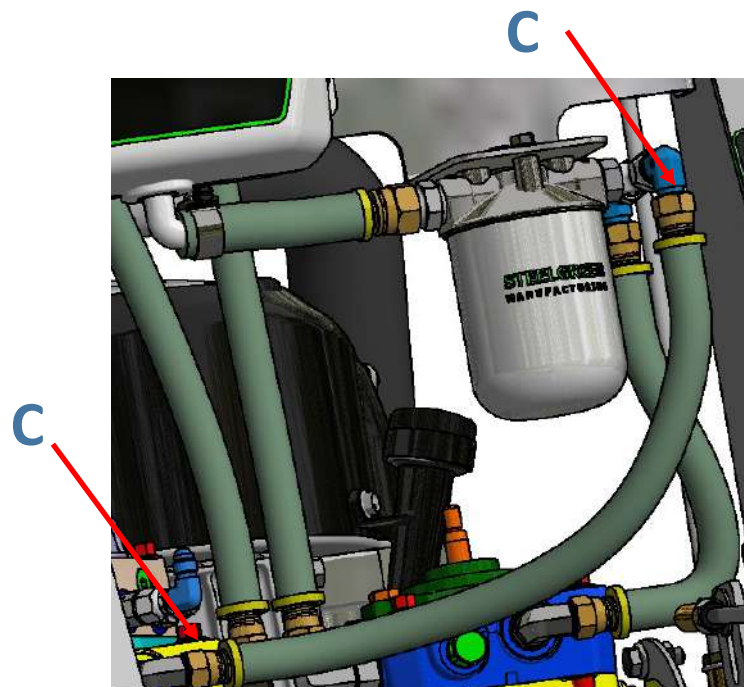
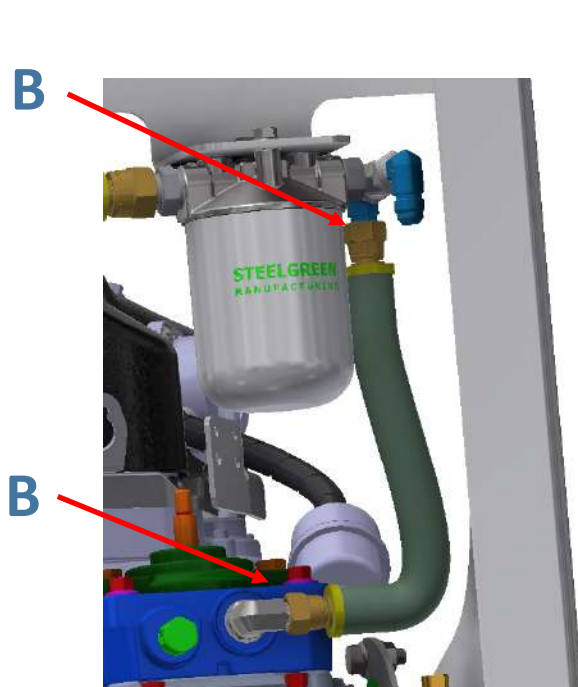
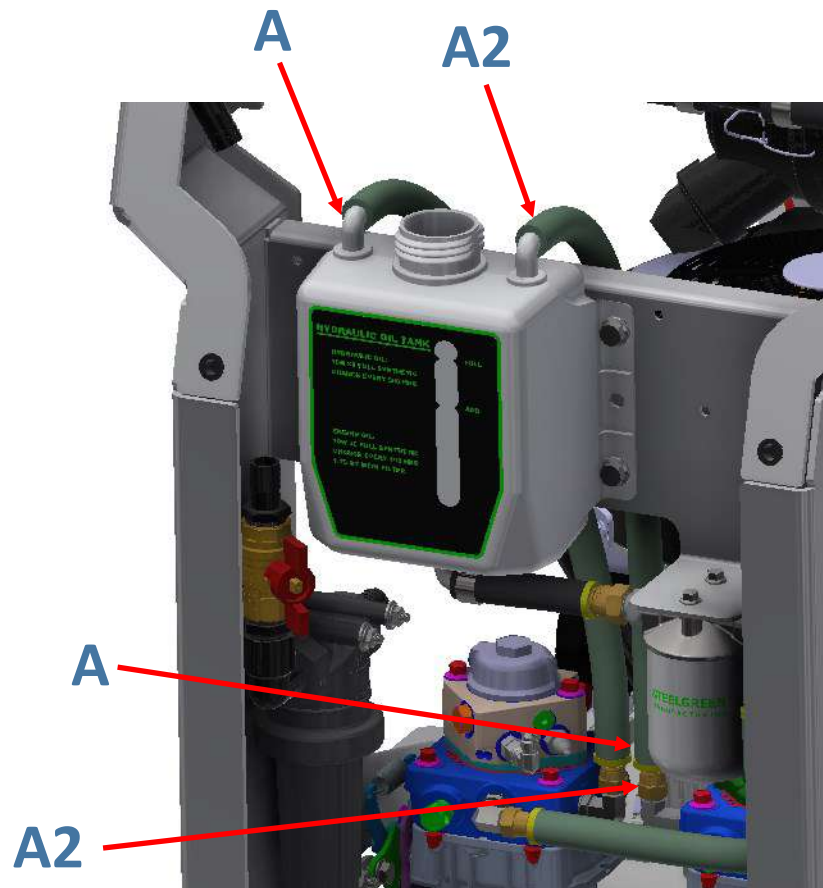
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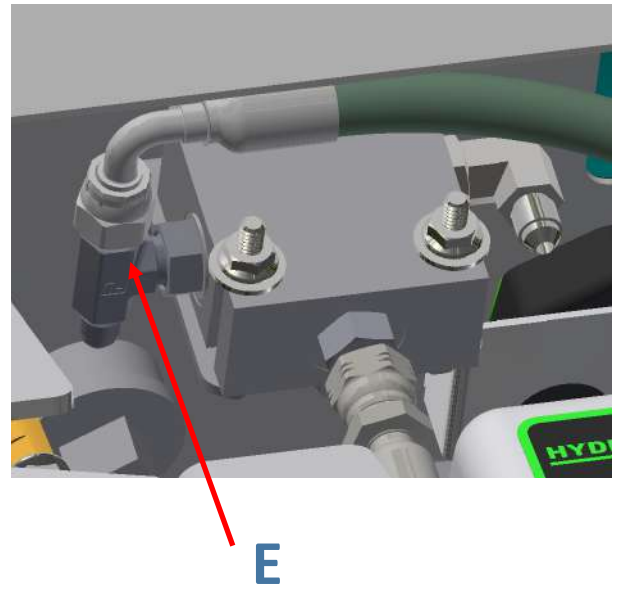
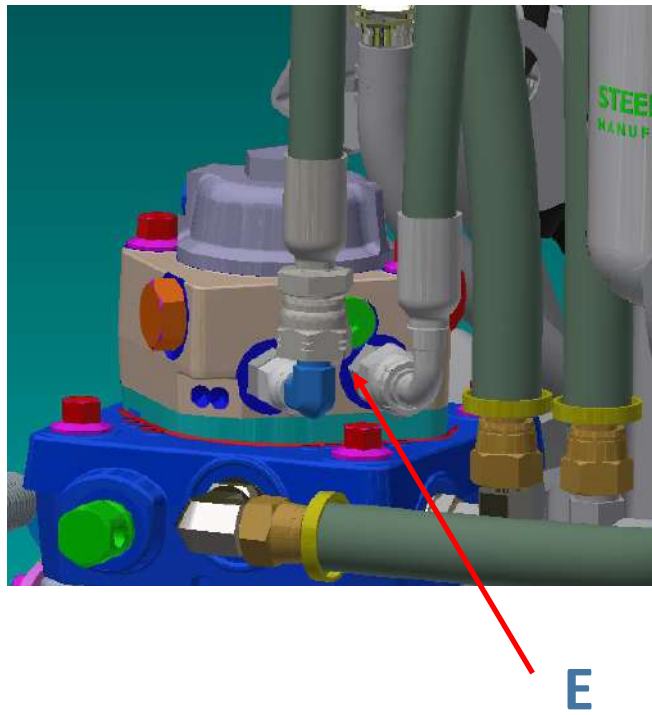
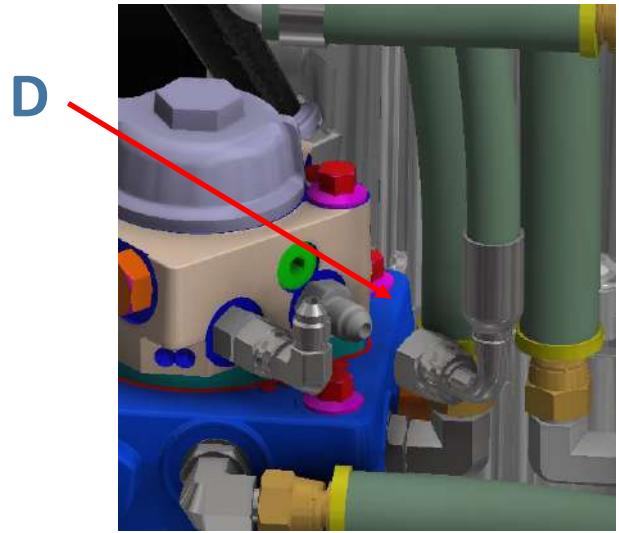
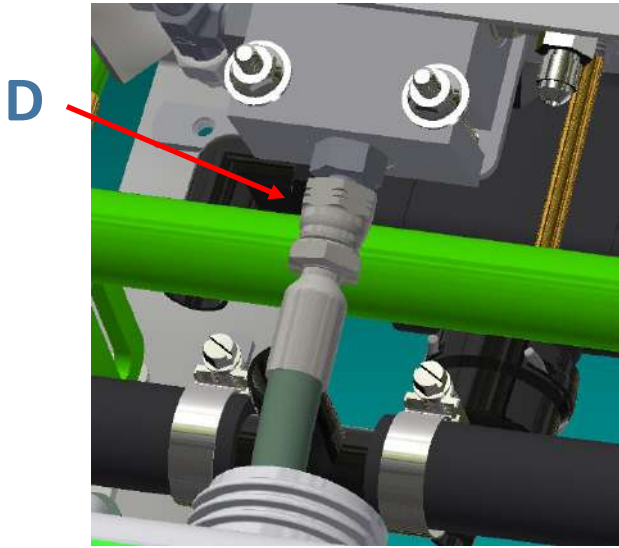
DRAWINGS & DIAGRAMS



DRAWINGS & DIAGRAMS

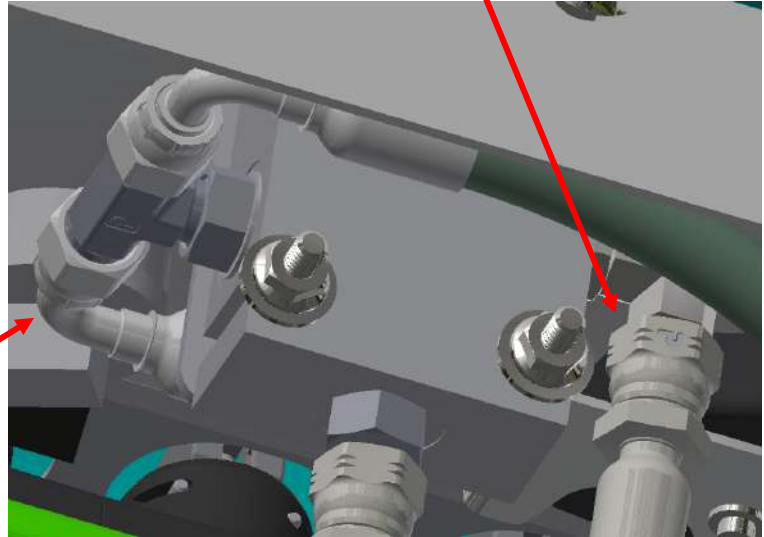


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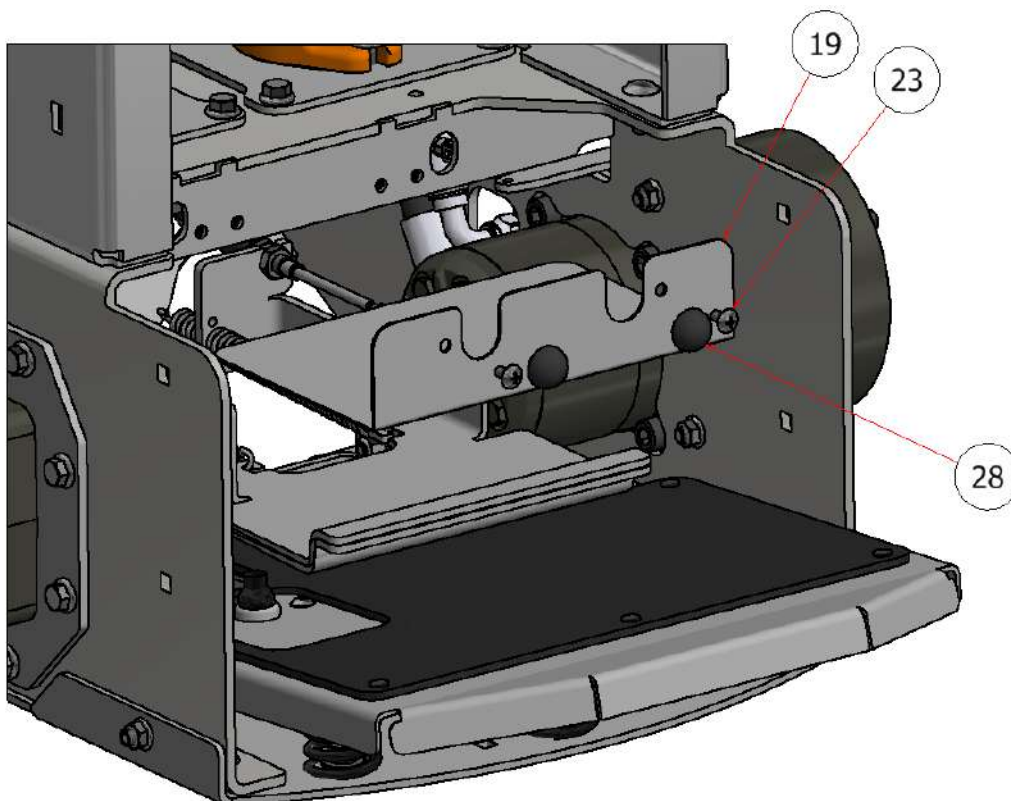


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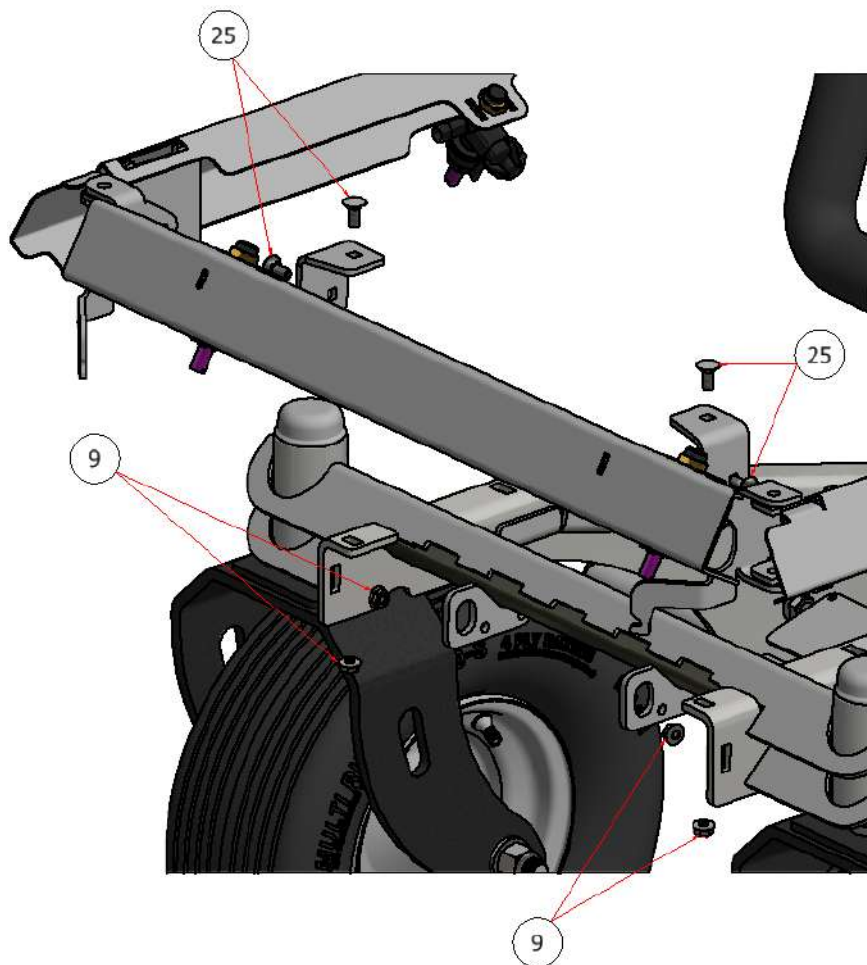
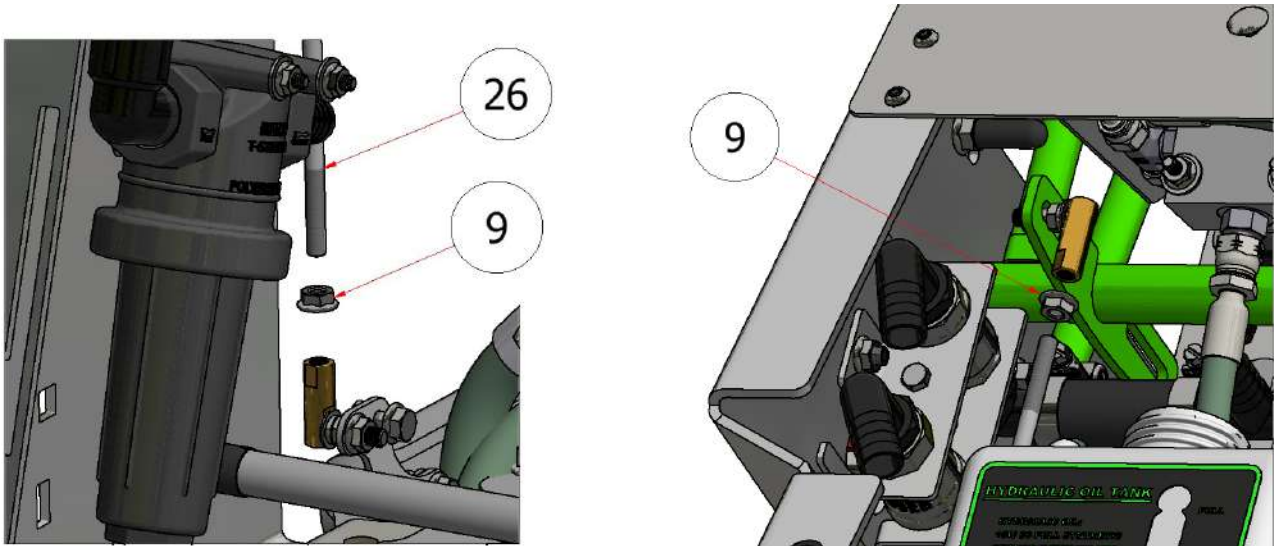
HOPPER HOSE, (STRAIGHT FITTING)



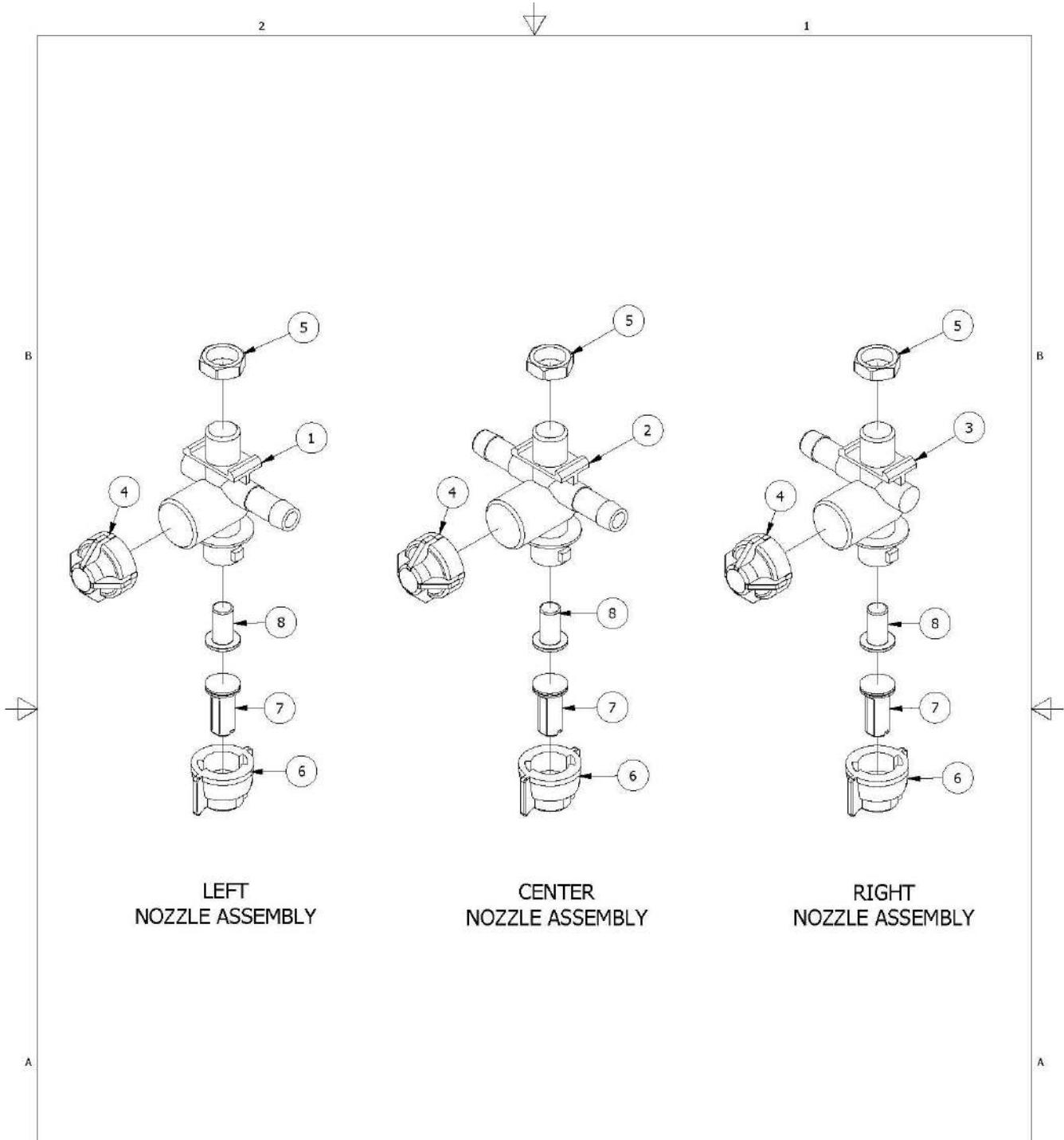
HOPPER HOSE, (ELBOW FITTING)



DRAWINGS & DIAGRAMS



DRAWINGS & DIAGRAMS



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	S51010	LEFT NOZZLE BODY
2	1	S51011	CENTER NOZZLE BODY
3	1	S51012	RIGHT NOZZLE BODY
4	1	S51113	NOZZLE BODY CAP
5	1	S51010-N	NOZZLE BODY NUT, BRASS
6	1	S51200	TIP CAP
7	1	S50025	SPRAY TIP, LAVENDER
8	1	S51280	CHECK VALVE 50 MESH

DRAWINGS & DIAGRAMS

TANKS \ SPRAY SYSTEM STATION 4 SG36 2022				TANKS \ SPRAY SYSTEM STATION 4 SG42/46 2022			
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	M10015	TANK, 15 GAL. RIGHT	1	1	M10015	TANK, 15 GAL. RIGHT
2	1	M10015-L	TANK, 15 GAL., LEFT	2	1	M10015-L	TANK, 15 GAL., LEFT
3	1	5059-3611-D011	PUMP, SHURFLO	3	1	5059-3611-D011	PUMP, SHURFLO
4	1	34-007	HEAT SINK, SPRAY PUMP	4	1	34-007	HEAT SINK, SPRAY PUMP
5	1	W21-100	MOUNTING BRACKET, SPRAY PUMP	5	1	W21-100	MOUNTING BRACKET, SPRAY PUMP
6	2	S51243	CAP, TANK	6	2	S51243	CAP, TANK
7	6	S51242	BULKHEAD FITTING, TANK	7	6	S51242	BULKHEAD FITTING, TANK
8	2	S52081	3/4" PIPE PLUG	8	2	S52081	3/4" PIPE PLUG
9	4	S52029	BARB, 3/4 MPT x 3/4 BARB 90	9	4	S52029	BARB, 3/4 MPT x 3/4 BARB 90
10	2	R21-113	ANTI VORTEX PLATE	10	2	R21-113	ANTI VORTEX PLATE
11	2	S54102	PUMP FITTING, BARB, ELBOW	11	2	S54102	PUMP FITTING, BARB, ELBOW
12	4	HFSSC-141	BOLT,HEX, 1/4 X 1	12	4	HFSSC-141	BOLT,HEX, 1/4 X 1
13	4	HFSSC-3812	HEX BOLT, 3/8" X 1/2"	13	4	HFSSC-3812	HEX BOLT, 3/8" X 1/2"
				14	1	R21-067	PLATE, HOSE REEL
				15	1	R21-135	BRACKET, HOSE REEL, TOP
				16	6	CB-381SS	BOLT, CARRIAGE, 3/8 X 1
				17	4	HFSSC-1475	HEX BOLT, 1/4 X 3/4
				18	6	HFNC3-38S	HEX NUT, 3/8
19	1	W21-226	TANK SUPPORT, REAR, SG36, LEFT	19	1	W21-235	TANK SUPPORT, REAR, SG42/46, LEFT
20	1	W21-226-R	TANK SUPPORT, REAR, SG36, RIGHT	20	1	W21-235-R	TANK SUPPORT, REAR, SG42/46, RIGHT
21	1	R21-031	SUPPORT, GAS TANK	21	1	R21-031	SUPPORT, GAS TANK
22	2	R21-068	SAFETY GUARD, TANK, BOTTOM	22	2	R21-068	SAFETY GUARD, TANK, BOTTOM
23	1	R21-079	COVER, DASH PANEL FRONT	23	1	R21-079	COVER, DASH PANEL FRONT
24	6	CB-381SS	CARRIAGE BOLT, SS - 3/8-16 x 1	24	6	CB-381SS	CARRIAGE BOLT, SS - 3/8-16 x 1
25	10	HFNC3-38S	HEX FLANGE NUT - 3/8-16	25	10	HFNC3-38S	HEX FLANGE NUT - 3/8-16
26	12	HFSSC-3875	HEX BOLT, 3/8 X 3/4	26	12	HFSSC-3875	HEX BOLT, 3/8 X 3/4
27	10	HFSSC-145	HEX FLANGE BOLT, SS - 1/4-20 x 1/2	27	10	HFSSC-145	HEX FLANGE BOLT, SS - 1/4-20 x 1/2
28	4	CB-3834SS	CARRIAGE BOLT, SS - 3/8-16 x 3/4	28	4	CB-3834SS	CARRIAGE BOLT, SS - 3/8-16 x 3/4
29	2	S52043	FITTING,BARB,3/4 X 3/4 90 ELBOW	29	2	S52043	FITTING,BARB,3/4 X 3/4 90 ELBOW
30	18	12HS	HOSE CLAMP, 3/4	30	18	12HS	HOSE CLAMP, 3/4
31	6	MS4	STEP AP203	31	6	MS4	STEP AP203
32	1	K10002	HOSE KIT	32	1	K10002	HOSE KIT
33		1640SB3-708	TRIM LOCK 48.5"	33		1640SB3-708	TRIM LOCK 48.5"
34		SPILM-34	HOSE WRAP 19.5"	34		SPILM-34	HOSE WRAP 19.5"
35	1	S51260	HANDLE, SPRAY	35	1	S51260	HANDLE, SPRAY
36	1	S51261	NOZZLE, SPRAY	36	1	S51261	NOZZLE, SPRAY
37	1	S53019	HOSE,COIL,GREEN	37	1	S53001	HOSE REEL
38	1	S51220-B	FITTING, BULKHEAD, BRASS, ELBOW	38	1	S51277	3/8 VALVE
39	1	S51225	VALVE, 3/8	39	2	H84023	FITTING, HOSE REEL, 3/8 BARB, BRASS
40	1	SHM-1116	WASHER	40	1	S55006-75	HOSE, 3/8 X 75FT, HOSE REEL
				41	1	S53018	CLAMP, SPRAY HANDLE
				42	1	HFNC3-10S	HEX NUT
				43	1	HFSSC-1012	BOLT, #10-32 X 1/2

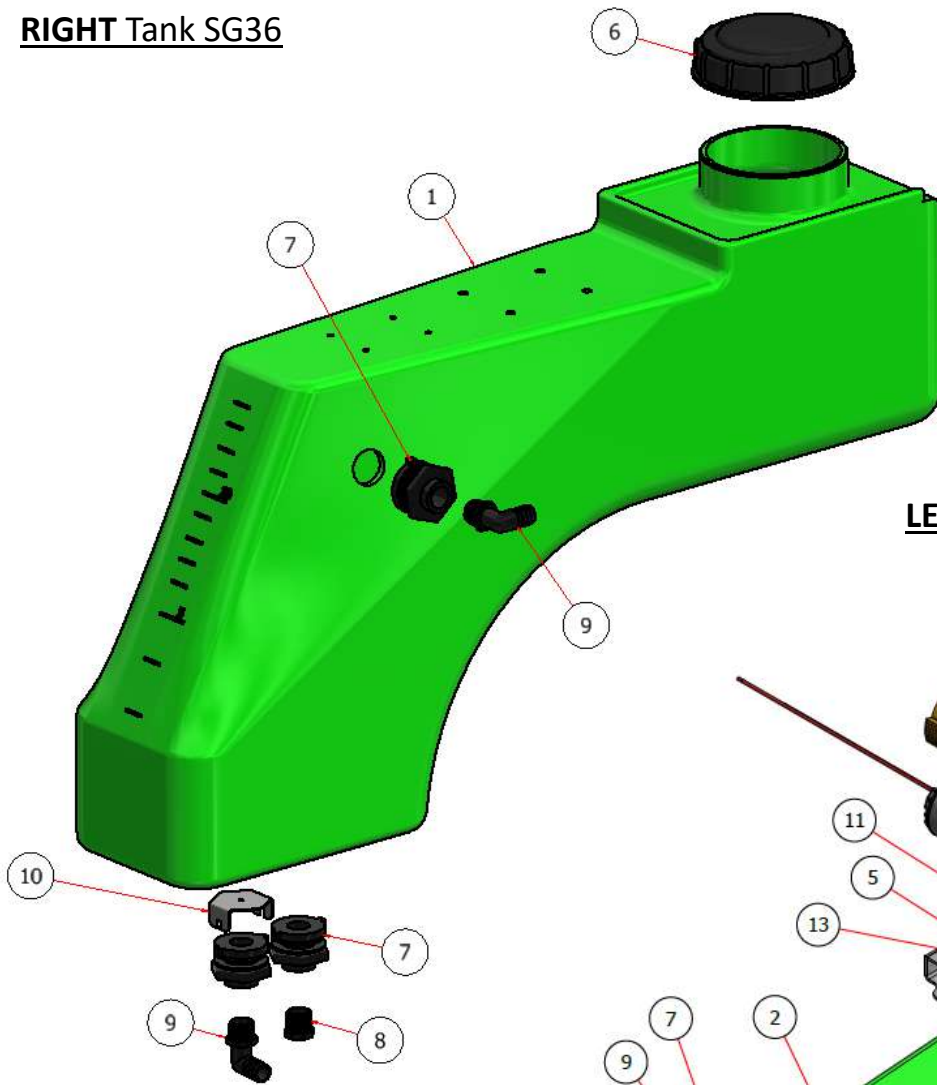
DRAWINGS & DIAGRAMS

TANKS \ SPRAY SYSTEM SG52			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	M10030-R	TANK, 30 GAL. RIGHT
2	1	M10030-L	TANK, 30 GAL. LEFT
3	1	5059-3611-D011	PUMP, SHURFLO
4	1	34-007	HEAT SINK, SPRAY PUMP
5	1	W21-100	MOUNTING BRACKET, SPRAY PUMP
6	2	S51243	CAP, TANK
7	6	S51242	BULKHEAD FITTING, TANK
8	2	S52081	3/4" PIPE PLUG
9	4	S52029	BARB, 3/4 MPT x 3/4 BARB 90
10	2	R21-113	ANTI VORTEX PLATE
11	2	S54102	PUMP FITTING, BARB, ELBOW
12	4	HFSSC-141	BOLT,HEX, 1/4 X 1
13	8	HFSSC-3812	HEX BOLT, 3/8" X 1/2"
14	1	R21-077	PLATE, HOSE REEL
15	1	R21-168	BRACKET, ANTI-VIBRATION
16	8	HFSSC-3812	HEX BOLT, 3/8 X 1/2
17	1	HFSSC-381	HEX BOLT, 3/8 X 1

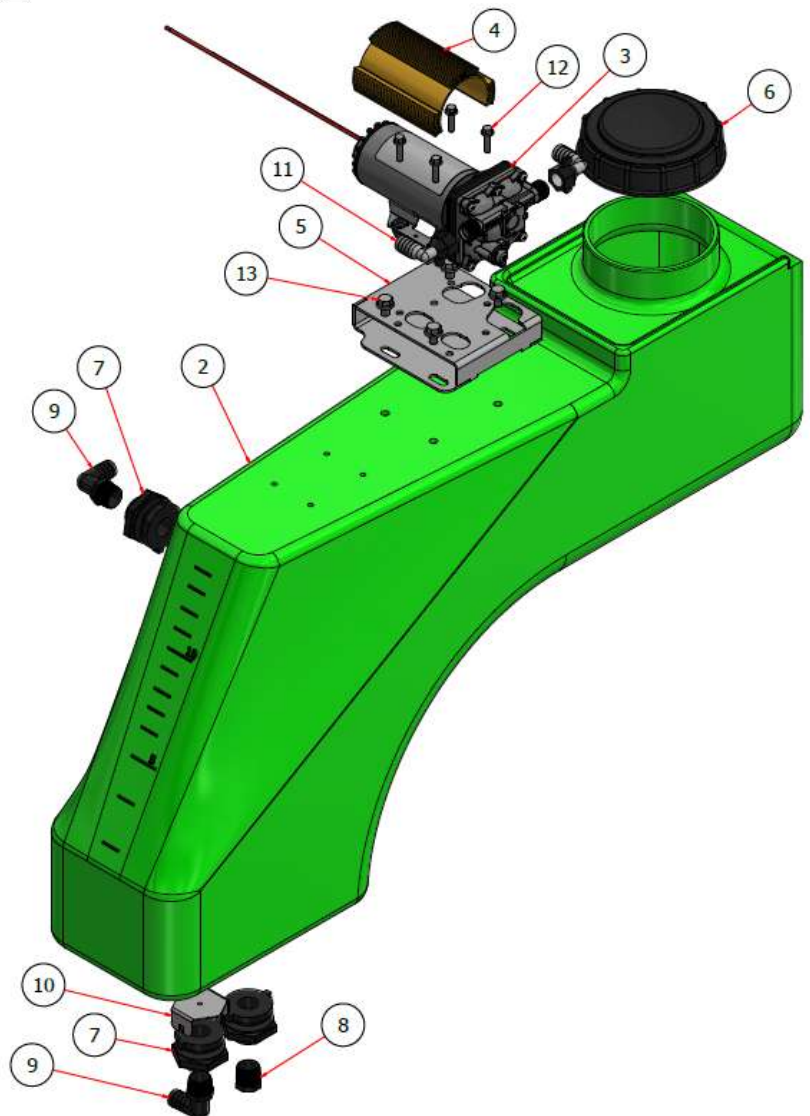
19	1	W21-223	TANK SUPPORT, REAR, SG52, LEFT
20	1	W21-223-R	TANK SUPPORT, REAR, SG52, RIGHT
21	1	R21-031	SUPPORT, GAS TANK
22	2	R21-057	SAFETY GUARD, TANK, BOTTOM
23	1	R21-079	COVER, DASH PANEL FRONT
24	6	CB-381SS	CARRIAGE BOLT, SS - 3/8-16 x 1
25	10	HFNCS-38S	HEX FLANGE NUT - 3/8-16
26	12	HFSSC-3875	HEX BOLT, 3/8 X 3/4
27	10	HFSSC-145	HEX FLANGE BOLT, SS - 1/4-20 x 1/2
28	4	CB-3834SS	CARRIAGE BOLT, SS - 3/8-16 x 3/4
29	2	S52043	FITTING,BARB,3/4 X 3/4 90 ELBOW
30	18	12HS	HOSE CLAMP, 3/4
31	6	MS4	STEP AP203
32	1	K10002	HOSE KIT
33		1640SB3-708	TRIM LOCK 48.5"
34		SPILM-34	HOSE WRAP 19.5"
35	1	S51260	HANDLE, SPRAY
36	1	S51261	NOZZLE, SPRAY
37	1	S53001	HOSE REEL
38	1	S51277	3/8 VALVE
39	2	H84023	FITTING, HOSE REEL, 3/8 BARB, BRASS
40	1	S55006-75	HOSE, 3/8 X 75FT, HOSE REEL
41	1	S53018	CLAMP, SPRAY HANDLE
42	1	HFNCS-10S	HEX NUT
43	1	HFSSC-1012	BOLT, #10-32 X 1/2
44	1	CB-51634SS	CARRIAGE BOLT, SS - 5/16 x 3/4
45	1	HFNCS-516S	HEX NUT, 5/16

DRAWINGS & DIAGRAMS

RIGHT Tank SG36

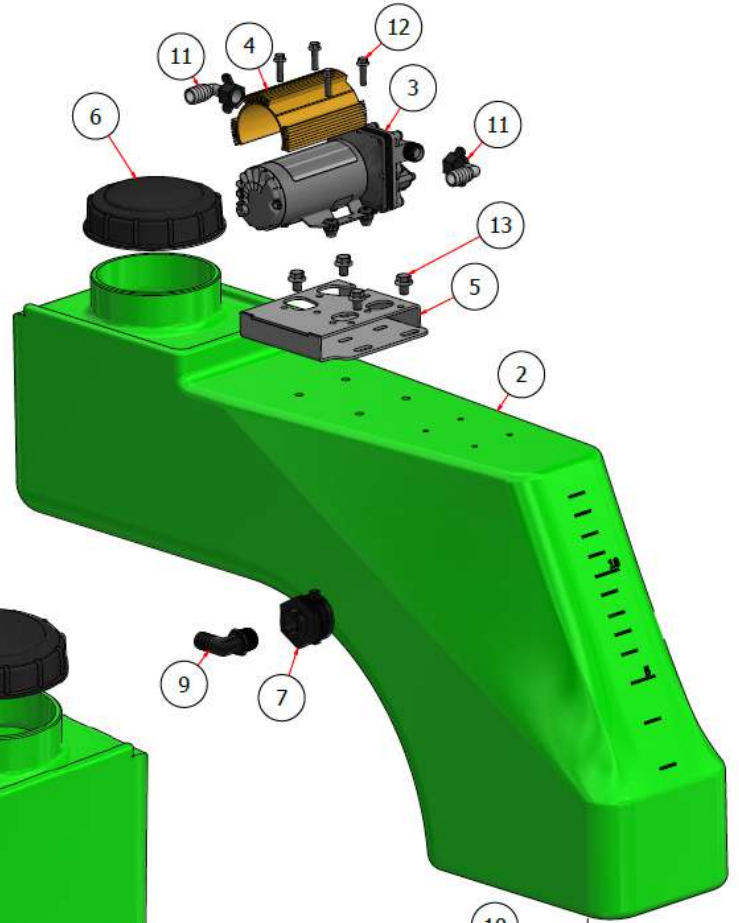


LEFT Tank SG36

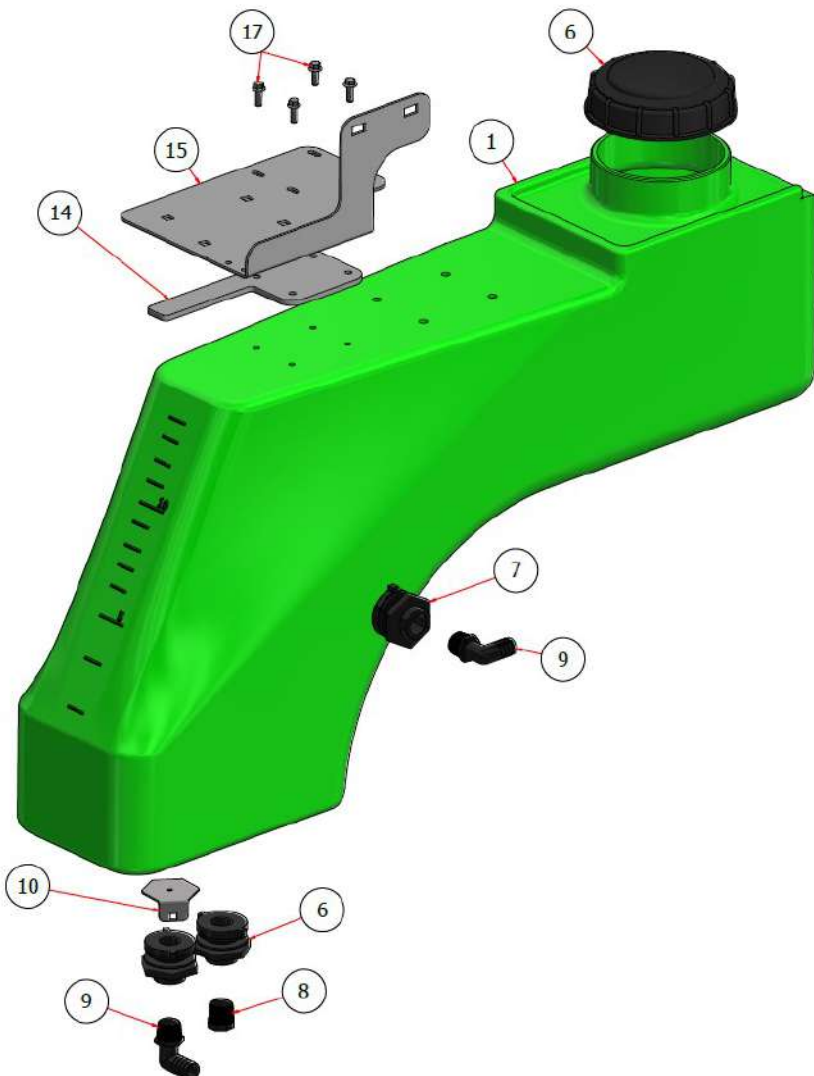


DRAWINGS & DIAGRAMS

LEFT Tank SG46

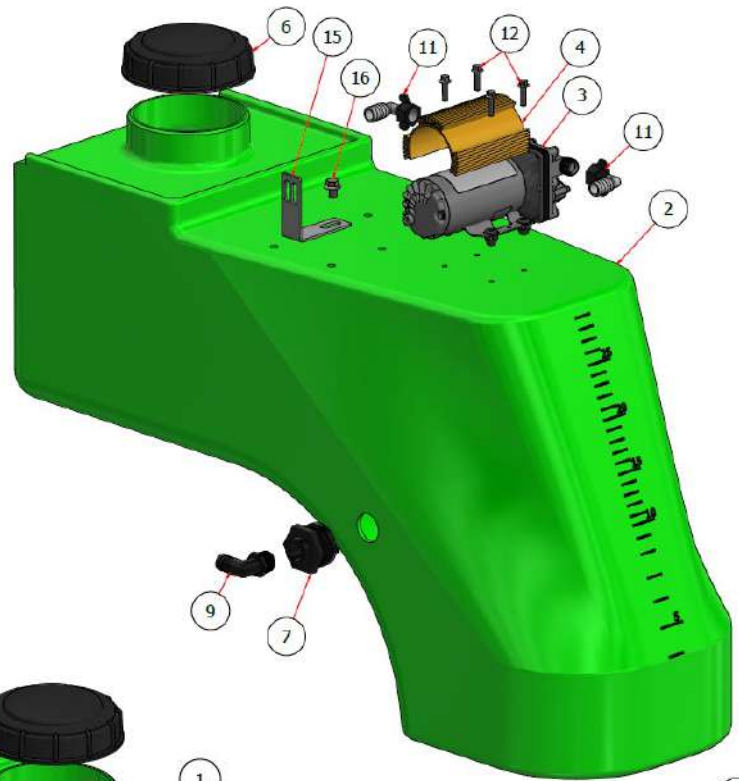


RIGHT Tank SG46

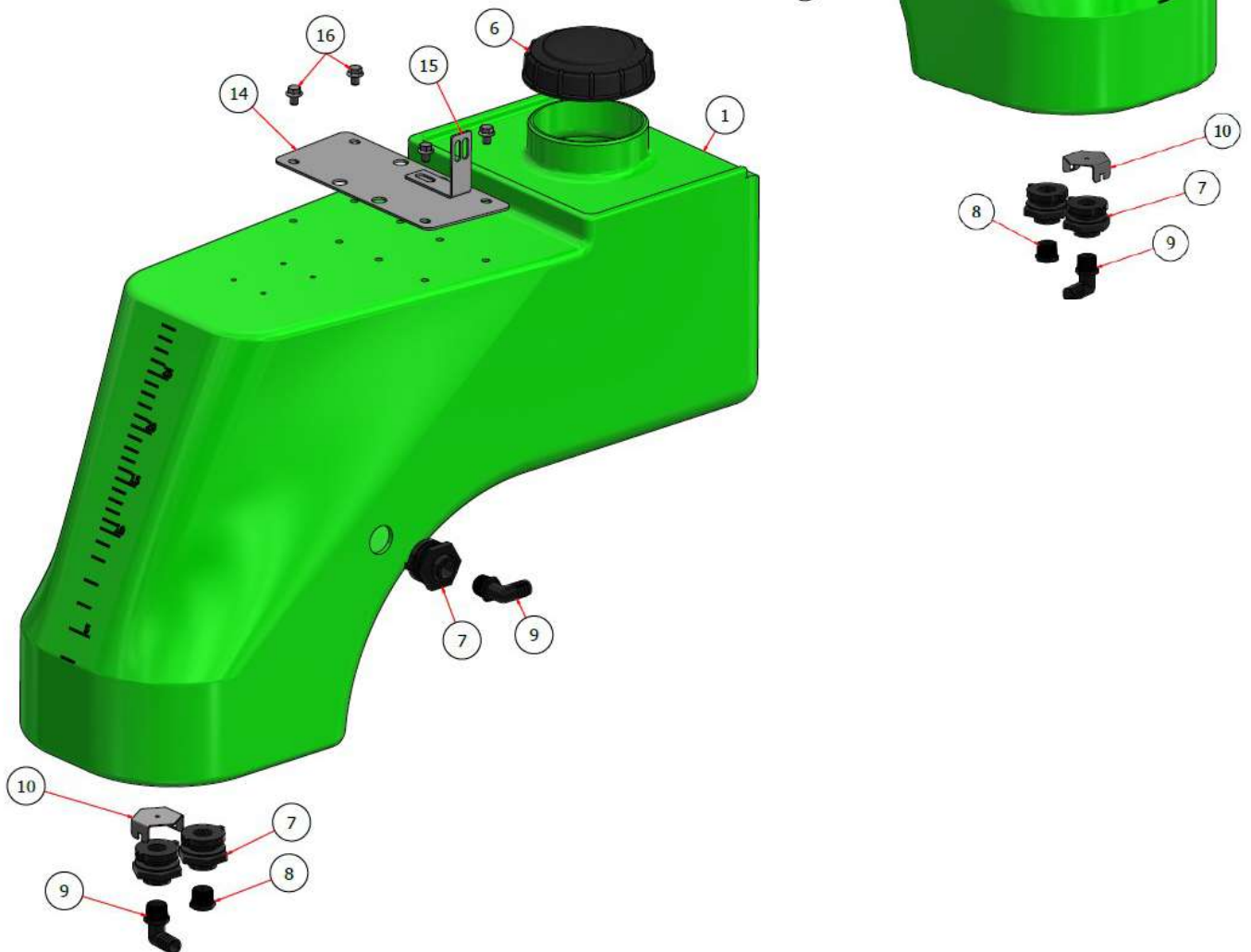


DRAWINGS & DIAGRAMS

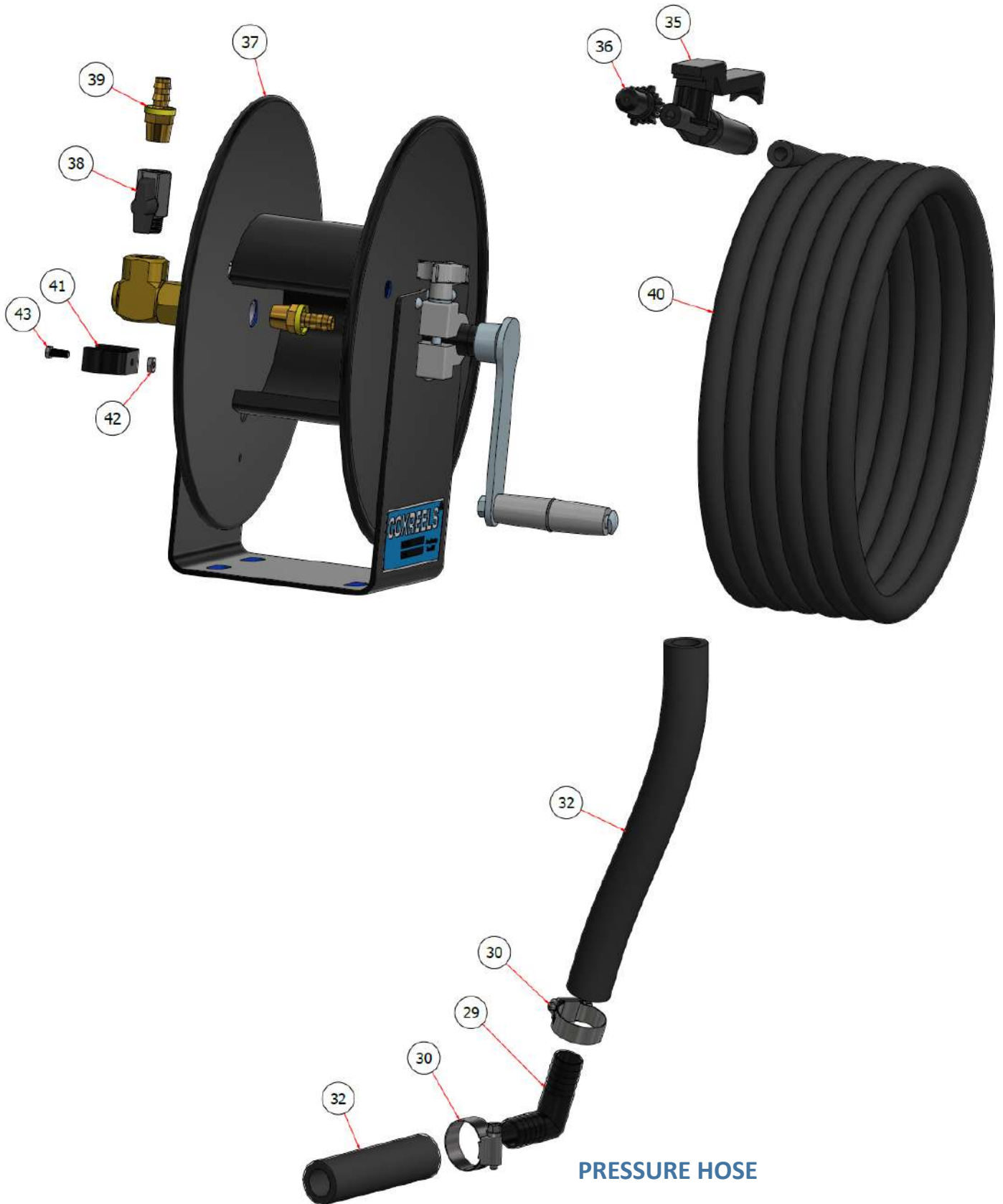
LEFT Tank SG52



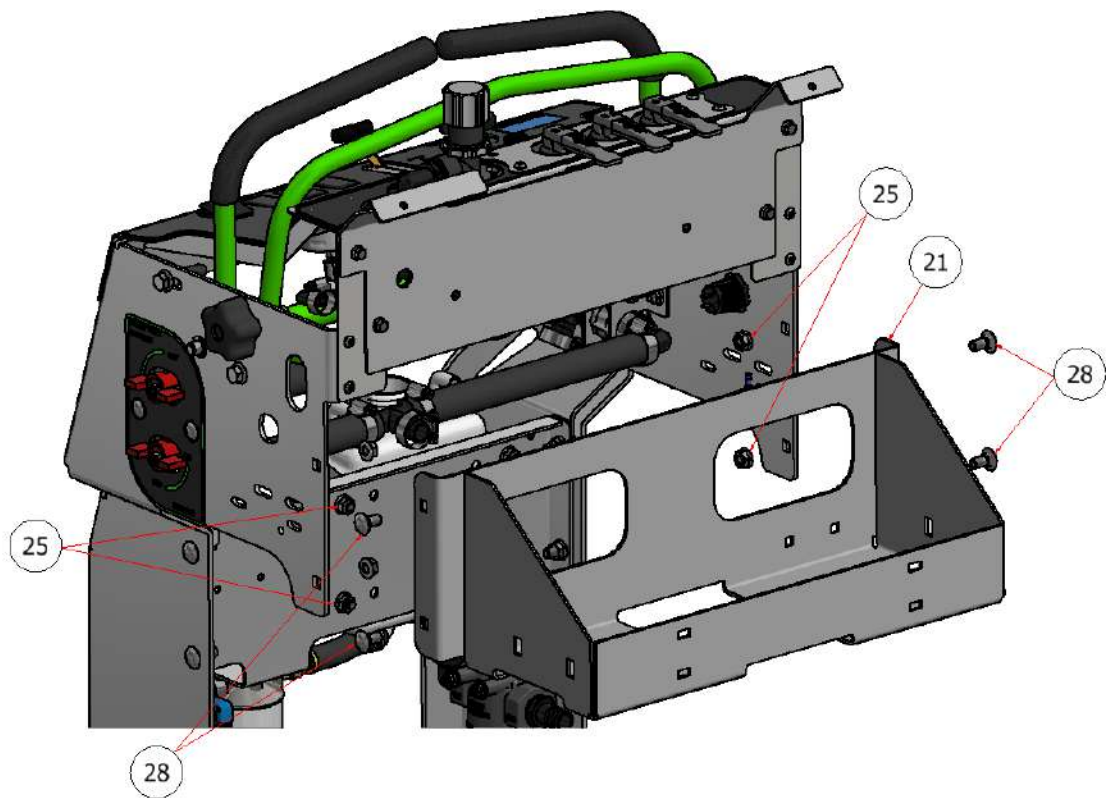
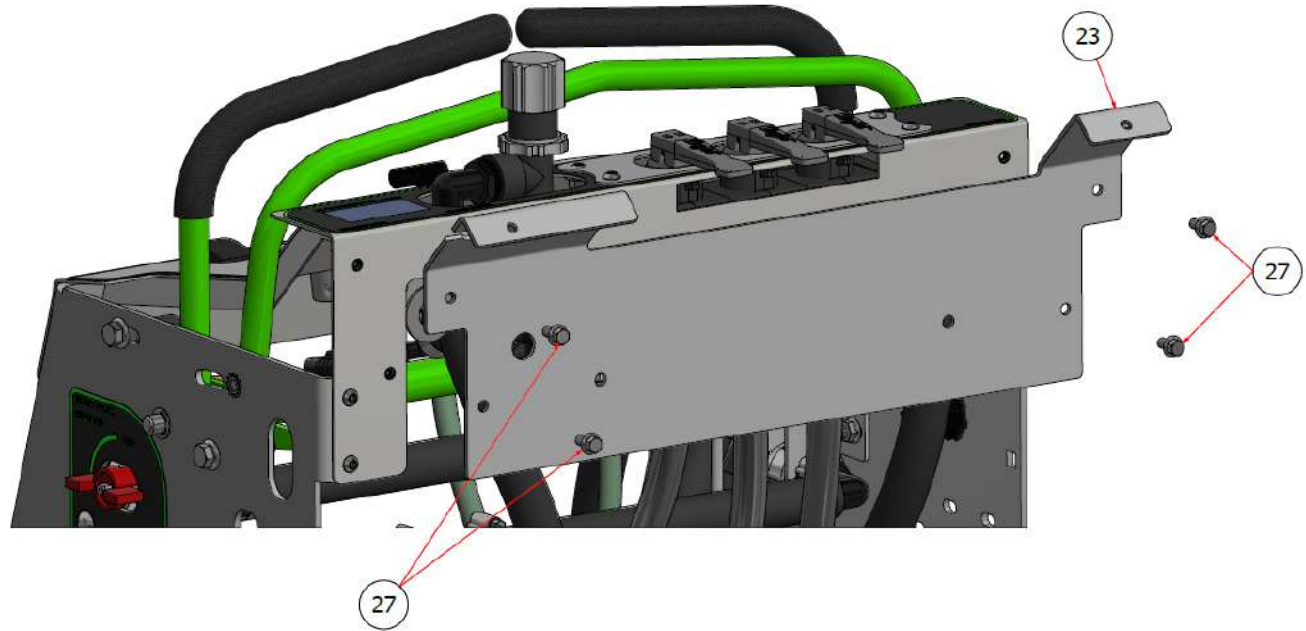
RIGHT Tank SG52



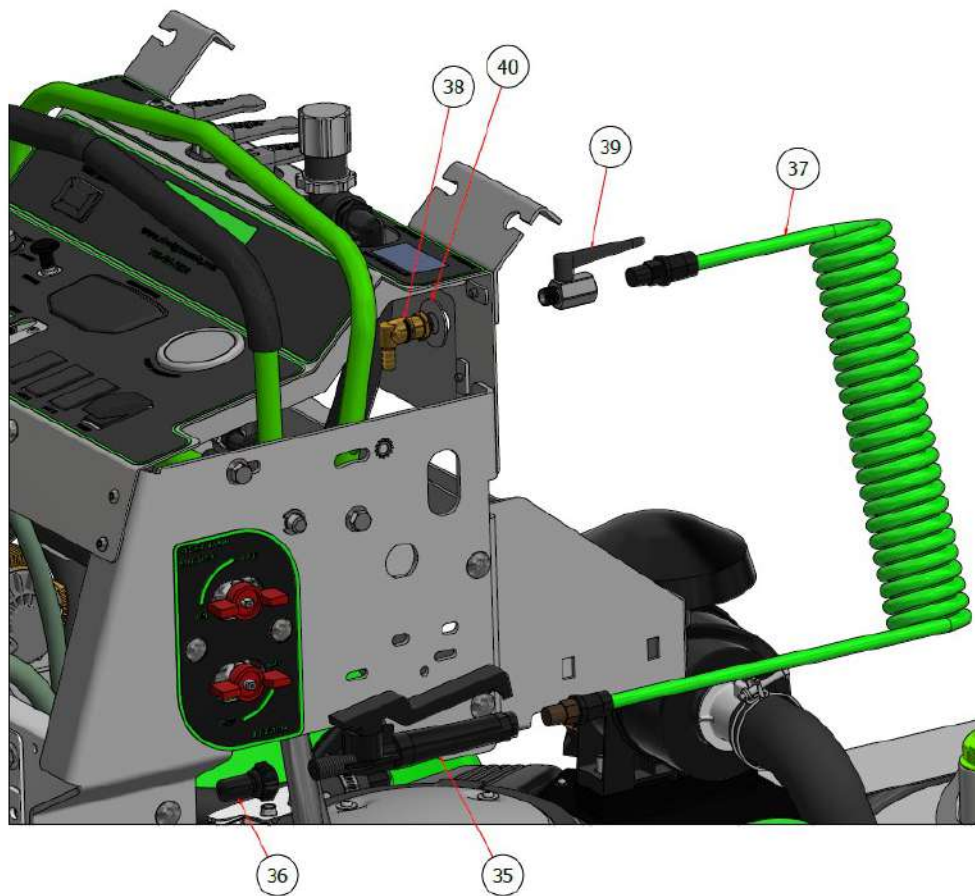
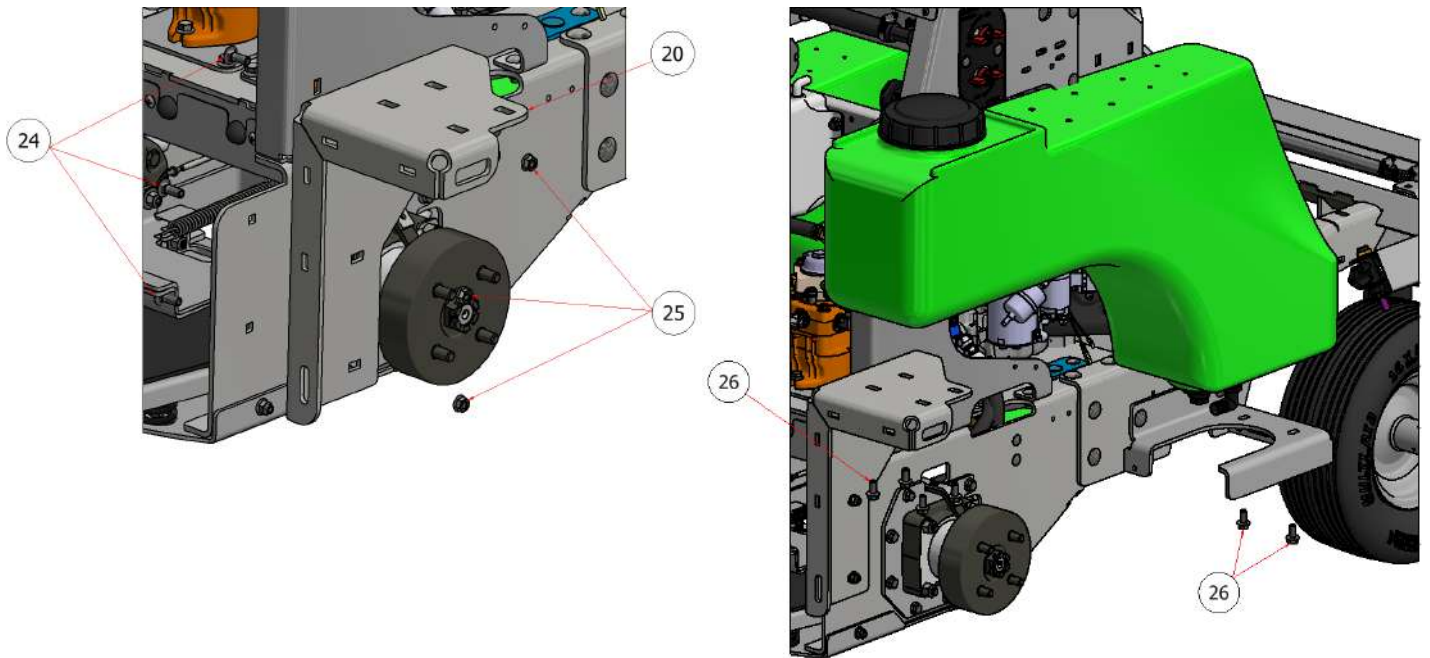
DRAWINGS & DIAGRAMS



DRAWINGS & DIAGRAMS

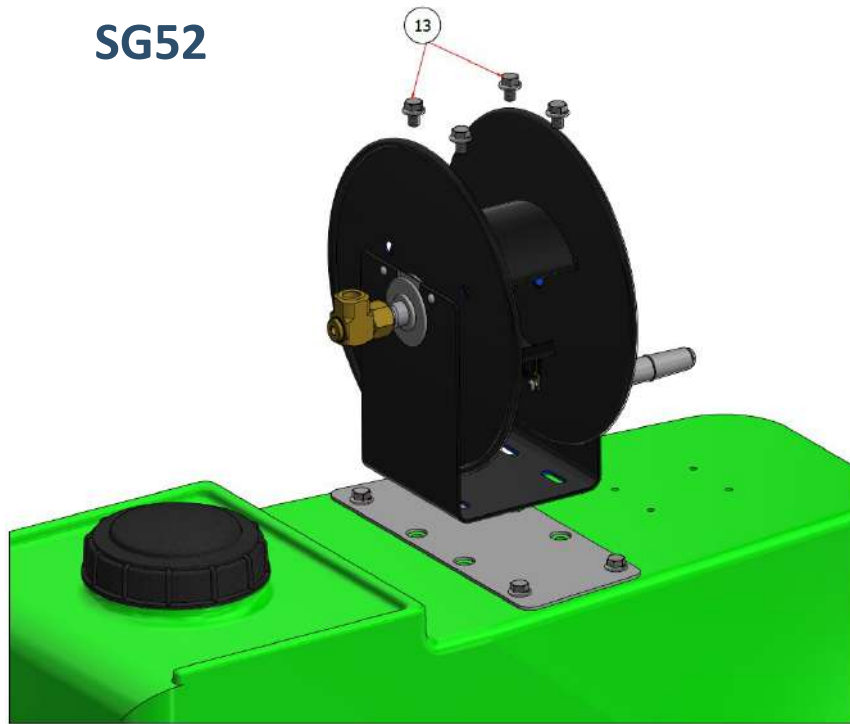


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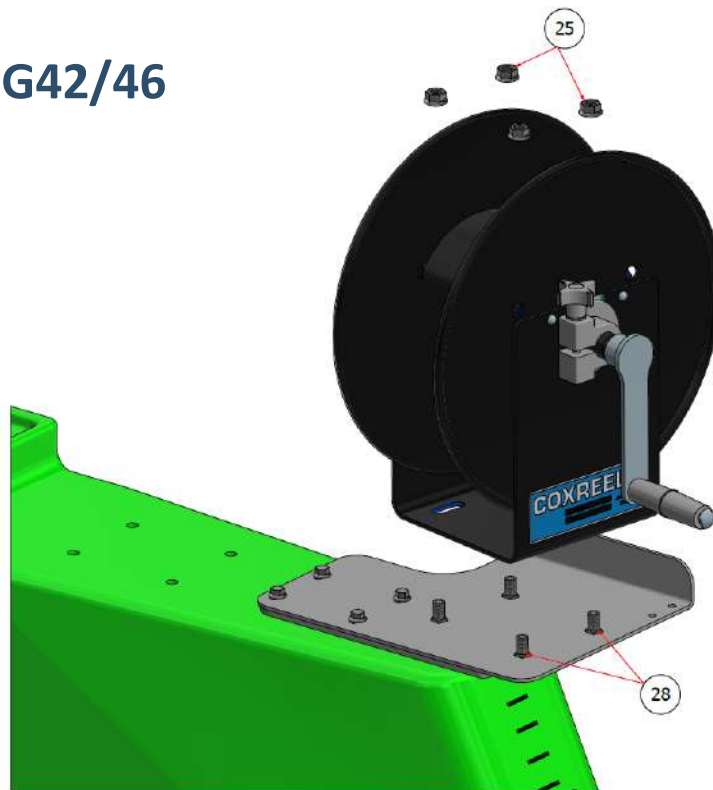


DRAWINGS & DIAGRAMS

SG52

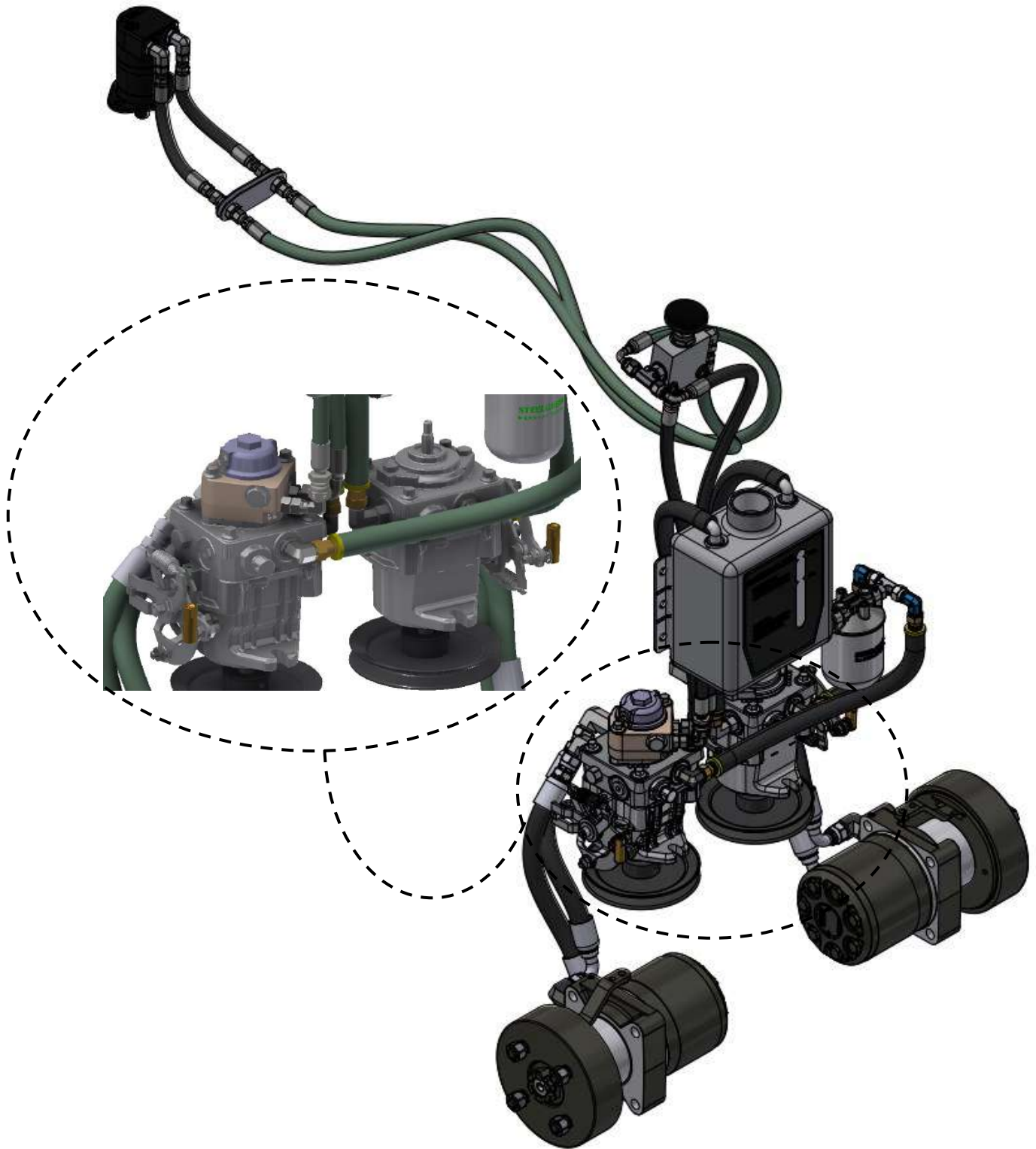


SG42/46



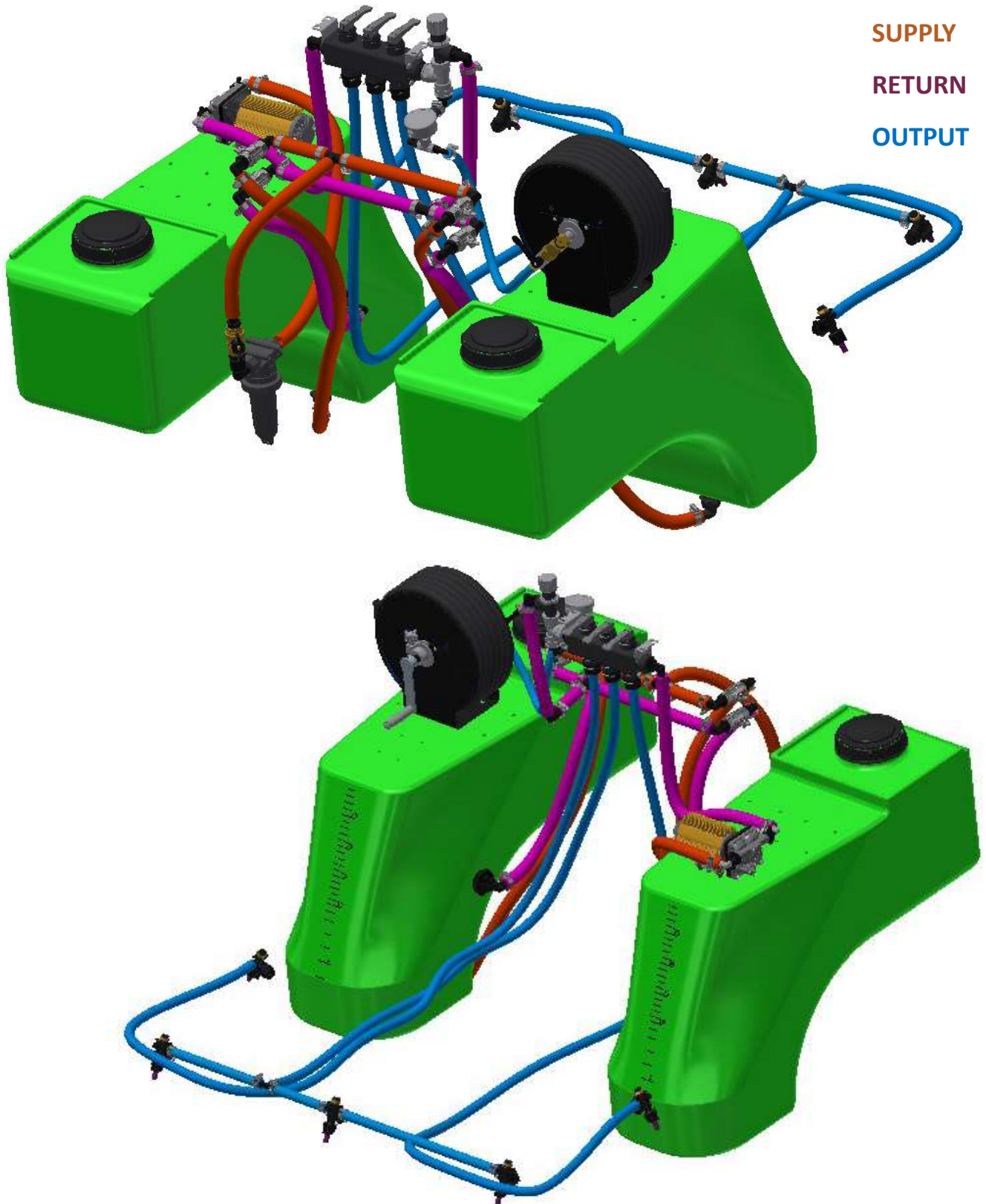
DRAWINGS & DIAGRAMS

HYDRAULIC SYSTEM



DRAWINGS & DIAGRAMS

SPRAY HOSE SYSTEM



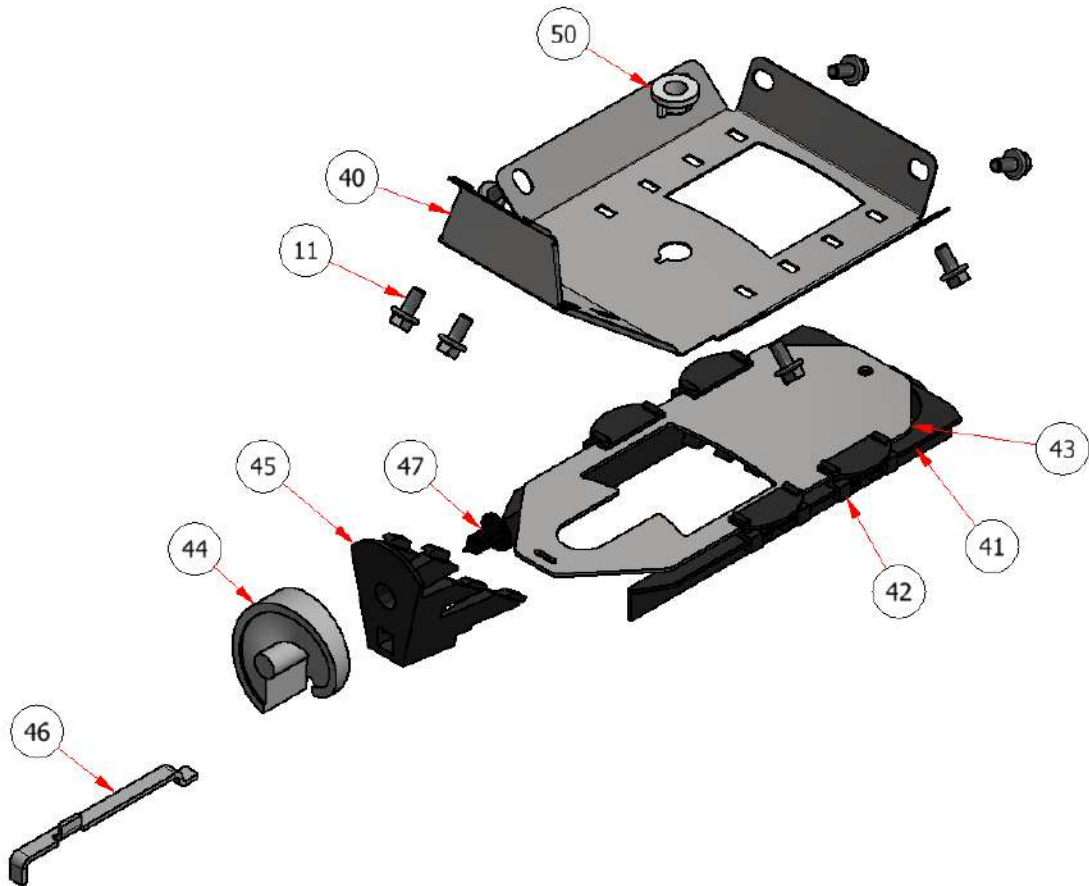
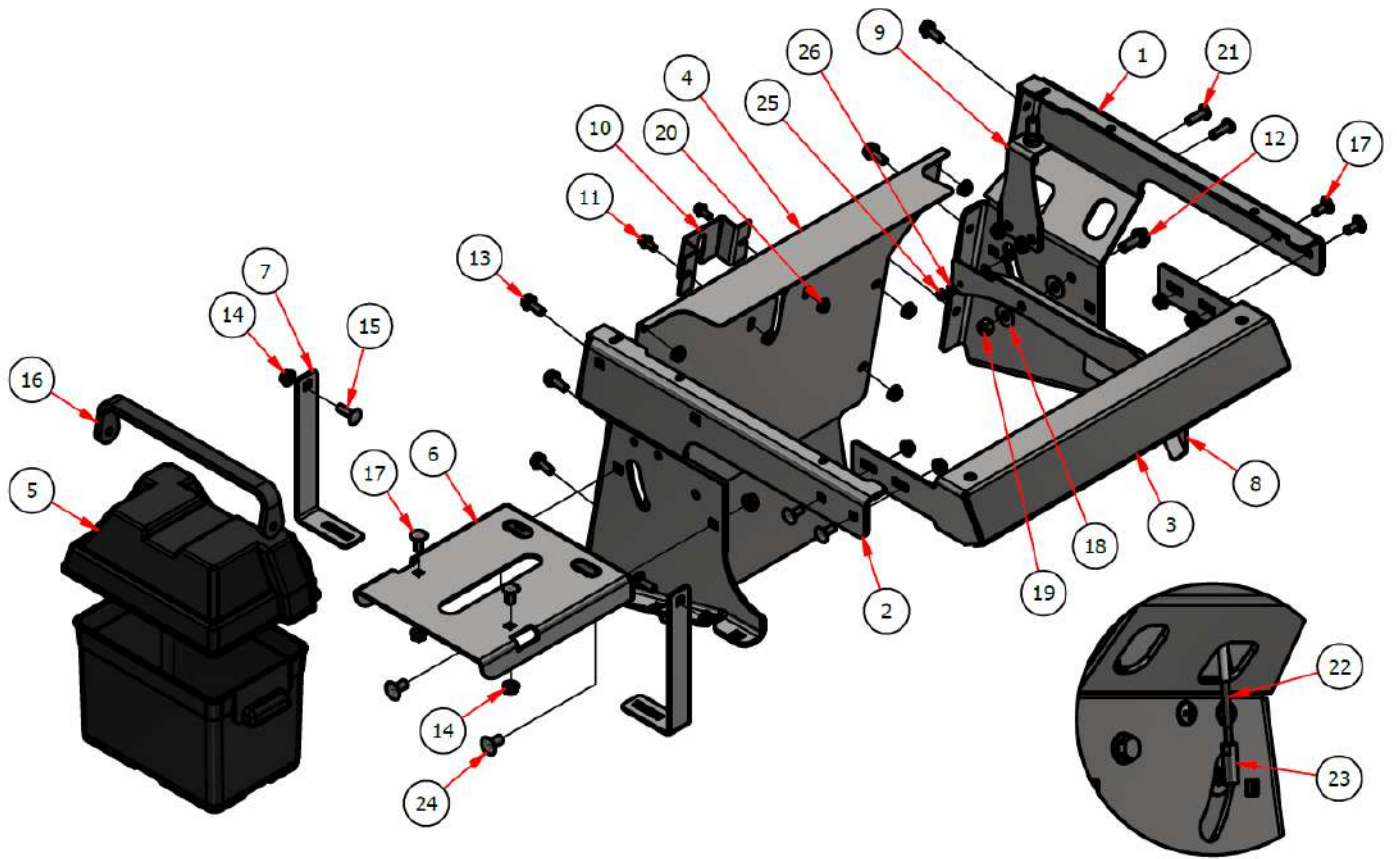
DRAWINGS & DIAGRAMS

HOPPER \ FINAL ASSEMBLY SG36 PARTS LIST							
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	R21-095	PANNEL, SIDE, HOPPER, SG36	35	8	NFW-14B	WASHER, PLASTIC
2	1	R21-095-R	PANNEL, SIDE, HOPPER, SG36, RIGHT	36	8	TRPC-141S	PHILLIPS SCREW, SS - 1/4-20 x 1
3	1	R21-044	CROSS MEMBER, FRONT, SG36 HOPPER	37	8	SSNNC-14	NYLOCK, SS - 1/4-20
4	1	R21-096	REAR PANNEL, SG36 HOPPER	38	8	FWSS-14	FLAT WASHER, SS - 1/4
5	1	E40002	BATTERY BOX	39	2	H84020	FITTING, HOPPER BULK HEAD
6	1	R21-097	SUPPORT, BATTERY BOX	40	1	D70009	BOTTOM, 125 HOPPER
7	2	R21-042	BRACKET, BATTERY	41	1	D70004	DIFFUSER
8	1	R21-109	SIDE, DEFLECTOR, SG36 HOPPER	42	4	D70005	GUIDE, RATE GATE/DIFFUSER
9	1	R21-111	BRACKET, SIDE DEFLECTOR CABLE	43	1	D70025	DOOR, HOPPER
10	1	R21-107	BRACKET, HOPPER CABLE	44	1	D70001	DIAL, RATE
11	14	HFSSC-145	HEX FLANGE BOLT, SS - 1/4-20 x 1/2	45	1	D70002	HOLDER, DIAL
12	3	HFSSC-381	HEX FLANGE BOLT, SS - 3/8-16 x 1	46	1	D70003	LINKAGE, RATE DIAL
13	6	HFSSC-51634	HEX FLANGE BOLT, SS - 5/16-18 x 3/4	47	1	D70016	CLIP, PINE TREE
14	16	HFNCS-5165	HEX FLANGE NUT, SS - 5/16-18	48	2	D70000	SPINNER
15	2	CB-5161SS	CARRIAGE BOLT, SS - 5/16-18 x 1	49	1	D70019	CLIP, SPINNER SPRING LOADED
16	1	TSR-10	STRAP, BATTERY	50	1	D70008	BUSHING, HOPPER BOTTOM
17	6	CB-51634	CARRIAGE BOLT, SS - 5/16-18 x 3/4	51	10	HFNCS-38S	HEX FLANGE NUT - 3/8-16
18	2	FWSS-38	FLAT WASHER, SS - 3/8	52	6	CB-381SS	BOLT, CARRAGE, 3/8 X 1
19	1	SSNNC-38	NYLOCK, SS - 3/8-16	53	2	R21-035	STRAP, FUEL TANK
20	2	SSHFN 0.25-20	HEX NUT, 1/4-20	54	1	M10005	TANK, FUEL
21	2	TRPC-5161S	SCREW, PHILLIPS, 5/16 X 1	55	1	D71014	HANDLE, GATE RATE
22	1	D71016	EXTENSION, THREADED	56	2	D71003	HANDLE, DIFFUSER, DEFLECTOR
23	1	D71005	BALL JOINT	57	4	PTS-516114	BOLT, TORX, 5/16 X 1-1/4
24	2	CB-3834SS	CARRIAGE BOLT, SS - 3/8-16 x 3/4	58	12	FWSS-516	FLAT WASHER, 5/16
25	1	SS NYLOCK 10-32	HEX NUT, NYLOCK, 10-32SS	59	12	SSNC-516	NUT, NYLOCK, 5/16
26	2	FSW-10	FLAT WASHER, SS-10	60	1	M10013	FERT, TRAY, RIGHT
27	1	D70013	TUB, 120 HOPPER	61	1	M10014	FERT, TRAY, LEFT
28	1	R21-131	BRACKET, 120 HOPPER MOTOR	62	1	R21-063-L	SUPPORT, FERT TRAY, LEFT
29	1	R21-132	SCREEN, 125 HOPPER	63	1	R21-063-R	SUPPORT, FERT TRAY, RIGHT
30	1	H81441	MOTOR, HOPPER	64	8	CB-516114	BOLT, CARRIAGE, 5/16 X 1-1/4
31	2	H84000-L	FITTING, HOPPER MOTOR	65	2	R21-148	L-BRACKET, FERT BOX
32	1	R31011	COUPLER, HOPPER MOTOR	66	8	WH-1220	NUT, LUG
33	2	R21-046	PLATE, HOPPER HOSE FITTINGS	67	2	T90011	TIRE, REAR SG36
34	1	R31017	SHAFT, 120 HOPPER				

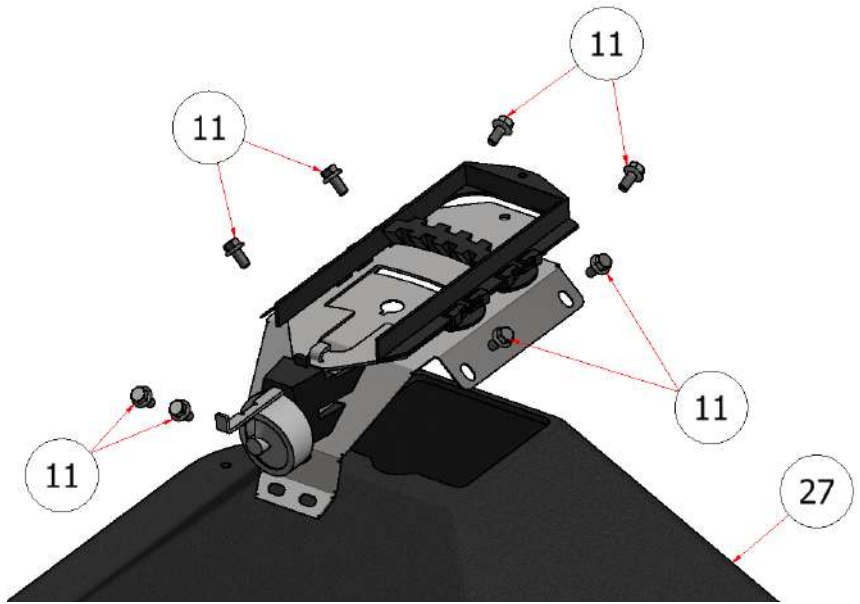
DRAWINGS & DIAGRAMS

HOPPER \ FINAL ASSEMBLY SG52 PARTS LIST							
ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	R21-043-L	PANNEL, SIDE, HOPPER, SG52, LEFT	35	8	NFW-14B	WASHER, PLASTIC
2	1	R21-043-R	PANNEL, SIDE, HOPPER, SG52, RIGHT	36	8	TRPC-141S	PHILLIPS SCREW, SS - 1/4-20 x 1
3	1	R21-044	CROSS MEMBER, FRONT	37	8	SSNNC-14	NYLOCK, SS - 1/4-20
4	1	R21-045	REAR PANNEL	38	8	FWSS-14	FLAT WASHER, SS - 1/4
5	1	E40002	BATTERY BOX	39	2	H84020	FITTING, HOPPER BULK HEAD
6	1	R21-041	SUPPORT, BATTERY BOX	40	1	D70010	BOTTOM, 220 HOPPER
7	2	R21-042	BRACKET, BATTERY	41	1	D70004	DIFFUSER
8	1	R21-109	SIDE DEFLECTOR	42	4	D70005	GUIDE, RATE GATE/DIFFUSER
9	1	R21-110	BRACKET, SIDE DEFLECTOR CABLE	43	1	D70025	DOOR, HOPPER
10	1	R21-107	BRACKET, HOPPER CABLE	44	1	D70001	DIAL, RATE
11	14	HFSSC-145	HEX FLANGE BOLT, SS - 1/4-20 x 1/2	45	1	D70002	HOLDER, DIAL
12	3	HFSSC-381	HEX FLANGE BOLT, SS - 3/8-16 x 1	46	1	D70003	LINKAGE, RATE DIAL
13	6	HFSSC-51634	HEX FLANGE BOLT, SS - 5/16-18 x 3/4	47	1	D70016	CLIP, PINE TREE
14	16	HFNCS-5165	HEX FLANGE NUT, SS - 5/16-18	48	2	D70000	SPINNER
15	2	CB-5161SS	CARRIAGE BOLT, SS - 5/16-18 x 1	49	1	D70019	CLIP, SPINNER SPRING LOADED
16	1	TSR-10	STRAP, BATTERY	50	1	D70008	BUSHING, HOPPER BOTTOM
17	6	CB-51634	CARRIAGE BOLT, SS - 5/16-18 x 3/4	51	10	HFNCS-38S	HEX FLANGE NUT - 3/8-16
18	2	FWSS-38	FLAT WASHER, SS - 3/8	52	6	CB-381SS	BOLT, CARRAGE, 3/8 X 1
19	1	SSNNC-38	NYLOCK, SS - 3/8-16	53	2	R21-035	STRAP, FUEL TANK
20	2	SSHFN 0.25-20	HEX NUT, 1/4-20	54	1	M10005	TANK, FUEL
21	2	TRPC-5161S	SCREW, PHILLIPS, 5/16 X 1	55	1	D71014	HANDLE, GATE RATE
22	1	D71016	EXTENSION, THREADED	56	2	D71003	HANDLE, DIFFUSER, DEFLECTOR
23	1	D71005	BALL JOINT	57	4	PTS-516114	BOLT, TORX, 5/16 X 1-1/4
24	2	CB-3834SS	CARRIAGE BOLT, SS - 3/8-16 x 3/4	58	12	FWSS-516	FLAT WASHER, 5/16
25	1	SS NYLOCK 10-32	HEX NUT, NYLOCK, 10-32SS	59	12	SSNC-516	NUT, NYLOCK, 5/16
26	2	FSW-10	FLAT WASHER, SS-10	60	1	M10013	FERT, TRAY, RIGHT
27	1	D70014	TUB, 220 HOPPER	61	1	M10014	FERT, TRAY, LEFT
28	1	R21-053	BRACKET, 220 HOPPER MOTOR	62		SG36 ONLY	SUPPORT, FERT TRAY, LEFT
29	1	R21-054	SCREEN, 220 HOPPER	63		SG36 ONLY	SUPPORT, FERT TRAY, RIGHT
30	1	H81441	MOTOR, HOPPER	64	8	CB-516114	BOLT, CARRIAGE, 5/16 X 1-1/4
31	2	H84000-L	FITTING, HOPPER MOTOR	65	2	R21-147	L-BRACKET, FERT BOX
32	1	R31011	COUPLER, HOPPER MOTOR	66	8	WH-1220	NUT, LUG
33	2	R21-046	PLATE, HOPPER HOSE FITTINGS	67	2	T90010	TIRE, REAR SG52
34	1	R31009	SHAFT, 220 HOPPER MOTOR				

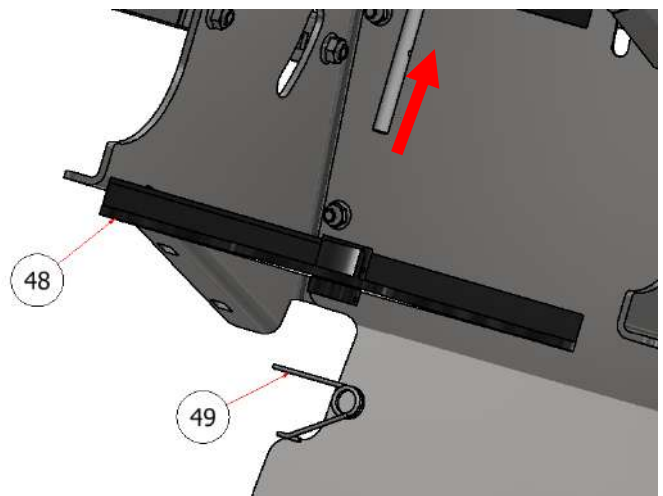
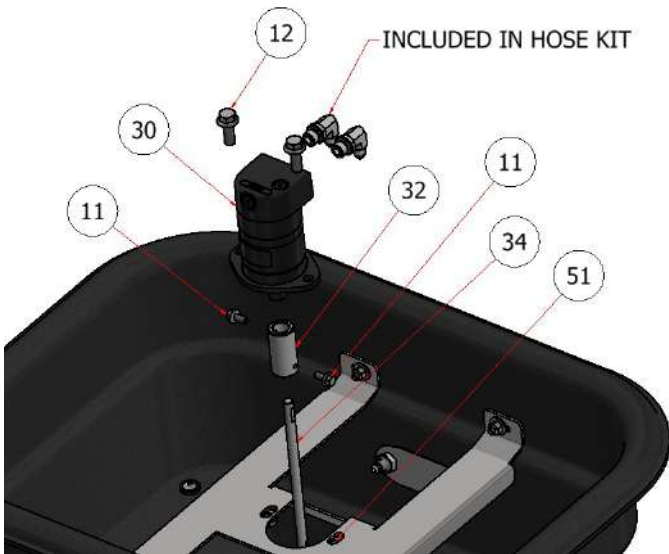
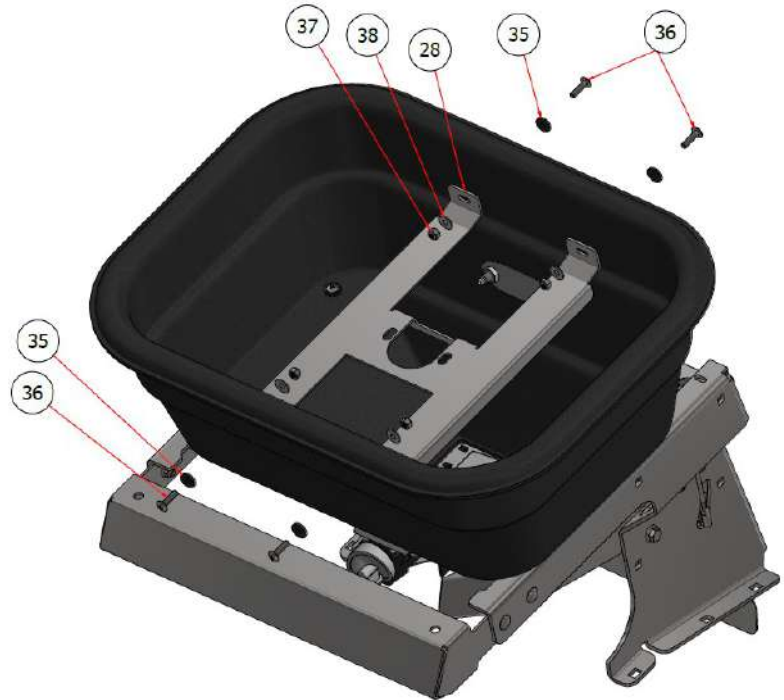
DRAWINGS & DIAGRAMS



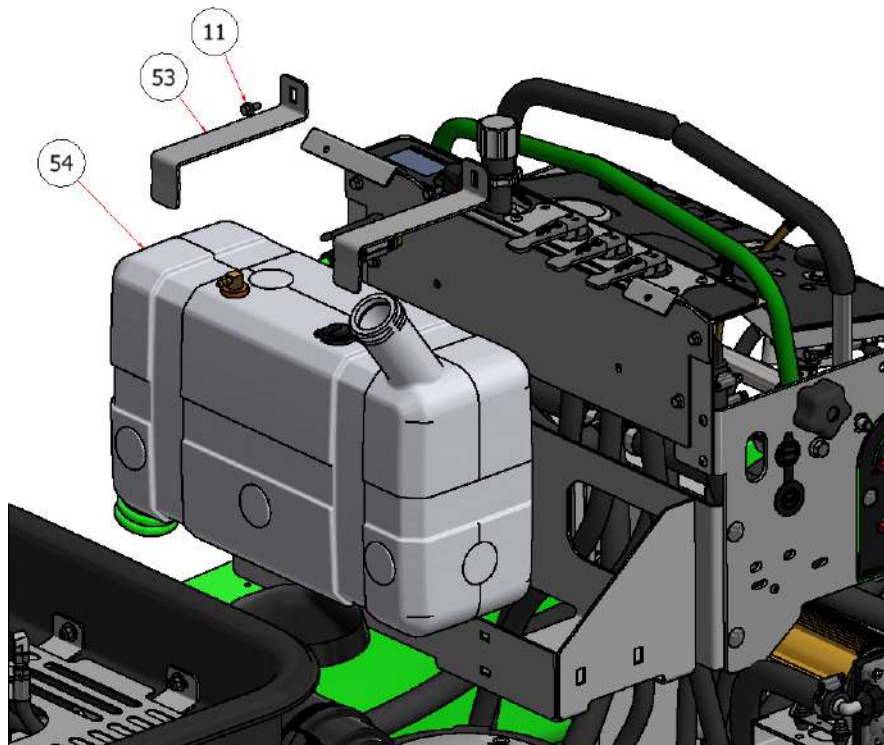
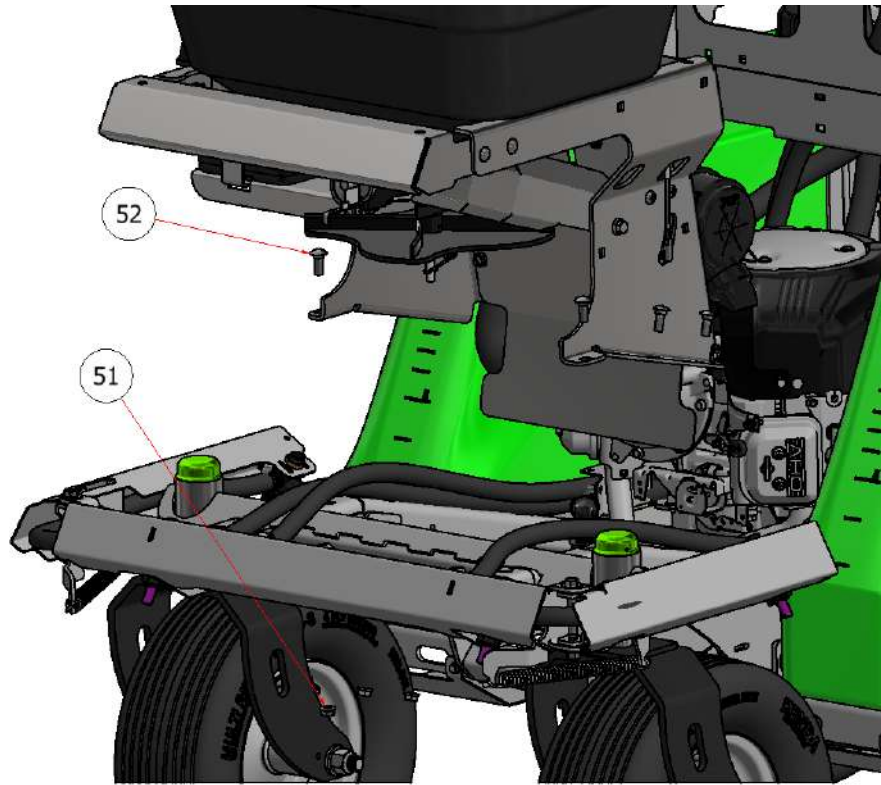
DRAWINGS & DIAGRAMS



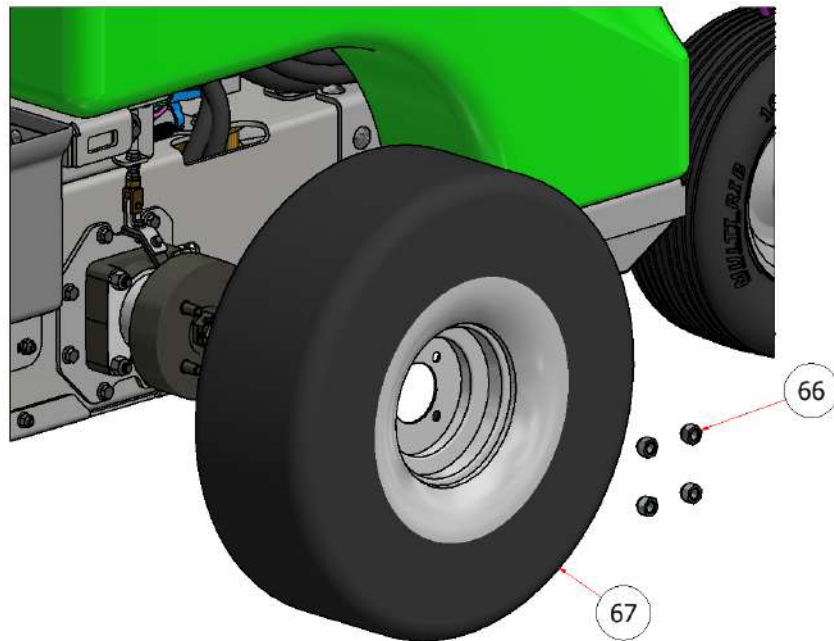
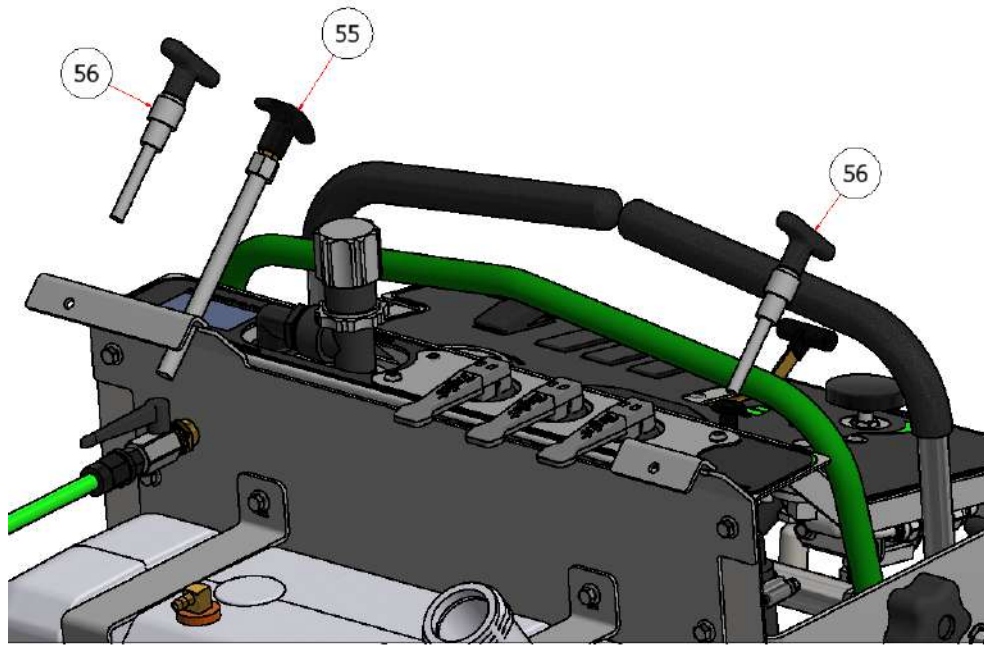
DRAWINGS & DIAGRAMS



DRAWINGS & DIAGRAMS



DRAWINGS & DIAGRAMS



Steel Green Manufacturing, LLC

1-Year Limited Warranty

- A. WHAT IS COVERED** – This Warranty applies to equipment having model numbers SG52, SG46, SG42, and SG36 (“Equipment”) manufactured by Steel Green Manufacturing, LLC, an Indiana limited liability company (“Steel Green”). This Warranty only applies to Equipment purchased directly from Steel Green or an authorized dealer or distributor of the Equipment (“Authorized Dealers”) in the United States. Except for Excluded Parts (as hereinafter defined), Steel Green agrees to repair or replace, at its option, any original component of the Equipment that is defective in material or workmanship (collectively “Warranty Service”). This Warranty begins on the date the product is delivered to the original purchaser and continues for a period of twelve (12) months thereafter (the “Warranty Term”).
- B. WHAT IS NOT COVERED** – This Warranty does not apply to the following categories of equipment: (1) used Equipment, unless there has been an Approved Transfer (as hereinafter defined); or (2) Equipment that has been altered or modified in ways not approved by Steel Green, including, but not limited to, setting injection pump fuel delivery above specifications stated in the owner’s manual. Furthermore, this Warranty does not apply to damage due to any of the following: (1) normal wear and tear; (2) the failure to perform reasonable and proper maintenance; (3) the failure to follow instructions and recommendations in the owner’s manual; (4) negligent or intentional misuse; (5) failure to properly store the Equipment; (6) vandalism; (7) the elements and inclement weather; or (8) collision or accident. “Excluded Parts” means the following parts, which are not covered by and are expressly excluded from this Warranty: (1) consumable parts, such as oil, filters, belts, brakes, and spark plugs; (2) tires; (3) batteries; and (4) the engine. The manufacturers of the Excluded Parts may provide a separate warranty. See manufacturers’ manuals for details.
- C. WHO IS COVERED** – This Warranty extends to the original purchaser of the Equipment who completes and returns the warranty registration card included with the Equipment to Steel Green and to any subsequent owner (collectively “you”), provided the subsequent owner notifies Steel Green of the change in ownership and Steel Green approves the transfer of this Warranty (“Approved Transfer”). An Approved Transfer does not extend the Warranty Term.
- D. HOW IS WARRANTY SERVICE OBTAINED** – To obtain Warranty Service, you must: (1) report the Equipment defect to Steel Green within the Warranty Term; and (2) deliver the Equipment for Warranty Service within a reasonable time thereafter. All Warranty Service must use new or remanufactured parts or components furnished or approved by Steel Green and must be performed by Steel Green, an Authorized Dealer, or a service center approved by Steel Green (“Authorized Service Center”), as directed by Steel Green. This Warranty only covers the costs of parts and labor associated with Warranty Service. You are responsible for delivering the Equipment for Warranty Service, at your sole cost and expense. Steel Green is not responsible for any costs or liability associated with any pickup, delivery, or other transportation required to obtain Warranty Service.
- E. ADDITIONAL LIMITATIONS AND EXCLUSIONS** – Except as expressly provided herein, Steel Green makes no warranties, representations, conditions or promises, express or implied, as to the quality, performance or freedom from defect of the Equipment covered by this Warranty. STEEL GREEN DOES NOT MAKE ANY STATUTORY OR IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND SUCH WARRANTIES ARE EXPRESSLY DISCLAIMED. TO THE EXTENT THEY ARE LEGALLY REQUIRED, ANY IMPLIED WARRANTIES OR CONDITIONS SHALL BE LIMITED IN DURATION TO THE WARRANTY TERM.

STEEL GREEN'S ONLY LIABILITY WITH RESPECT TO THIS WARRANTY AND YOUR EXCLUSIVE REMEDY SHALL BE FOR THE REPAIR OR REPLACEMENT OF PARTS AS SET FORTH HEREIN. NO CLAIM FOR BREACH OF WARRANTY SHALL ENTITLE YOU TO CANCELLATION OR RESCISSION OF THE PURCHASE OF THE EQUIPMENT.

IN NO EVENT WILL ANY AUTHORIZED DEALER, ANY AUTHORIZED SERVICE CENTER, STEEL GREEN OR ANY COMPANY AFFILIATED WITH STEEL GREEN BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. Examples of such damages include, but are not limited to: (1) the loss or damage to person or property other than that covered by this Warranty; (2) attorneys' fees; (3) claims for lost revenue or lost profits; and (4) rental costs of similar equipment to the Equipment.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, BUT YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

F. NO OTHER WARRANTIES – NO OTHER PERSON OR ENTITY, INCLUDING ANY AUTHORIZED DEALER, HAS AUTHORITY TO MAKE ANY WARRANTY, REPRESENTATION, CONDITION OR PROMISE ON BEHALF OF STEEL GREEN, OR TO MODIFY THE TERMS OR LIMITATIONS OF THIS WARRANTY IN ANY WAY, WHETHER ORALLY OR IN WRITING. STEEL GREEN MAKES NO OTHER WARRANTY RELATED TO THE EQUIPMENT OR ANY OTHER ITEM UNLESS IT DELIVERS TO YOU A SEPARATE WRITTEN WARRANTY.

G. CONTACT – To obtain a replacement warranty registration card or report a defect in any Equipment, to find the nearest Authorized Dealer or Authorized Service Center or report your dissatisfaction with their assistance, or to otherwise obtain information regarding this Warranty, please contact Steel Green.

Steel Green Manufacturing LLC
Attn: Customer Service
824 S State Road 39
Lebanon, Indiana 46025
(765) 481-2890
sales@steelgreenmfg.com
Steelgreenmfg.com



WARRANTY REGISTRATION FORM

Fill out form completely and return to **Steel Green Manufacturing**
Email: sales@steelgreenmfg.com
Mail: 824 S State Road 39, Lebanon, IN 46052

CONTACT INFORMATION

Company Name: _____
Contact Name: _____
Street: _____
City: _____ State: _____ ZIP Code: _____
Phone: _____ Email: _____

MACHINE INFORMATION

Serial Number: _____ Date of Purchase: _____
Dealer Name: _____
Street: _____
City: _____ State: _____ ZIP Code: _____
Phone: _____ Salesperson: _____



steelgreenmfg.com (765) 481-2890    @SteelGreenMFG

OPERATORS MANUAL		
PART NO.	REV.	DESCRIPTION
SGOM-001	B	OPERATORS MANUAL, SG SERIES



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