OPERATOR'S MANUAL
MAINTENANCE MANUAL
PARTS LIST

TURFCO®

T5000
Applicator
Spreader Sprayer

Product Number 85890
Starting Serial Number 125565

BATTERY NOT INCLUDED
Use Lawn and Garden
Group U1 Battery

US Patents 8,056,828 - 8,632,018 - 9,321,075 - 10,194,582

Manual Number 671819 Rev A

DANGER - IF INCORRECTLY USED THIS MACHINE CAN CAUSE SEVERE INJURY. THOSE WHO USE AND MAINTAIN THIS MACHINE SHOULD BE TRAINED IN ITS PROPER USE, WARNED OF ITS DANGERS, AND SHOULD READ THE ENTIRE MANUAL BEFORE ATTEMPTING TO SET-UP, OPERATE OR SERVICE THE MACHINE.

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2020 Turfco Mfg., Inc.

All specifications, information, illustrations or photos in this manual are based on the latest information at the time of printing. The right is reserved to make changes without notice.

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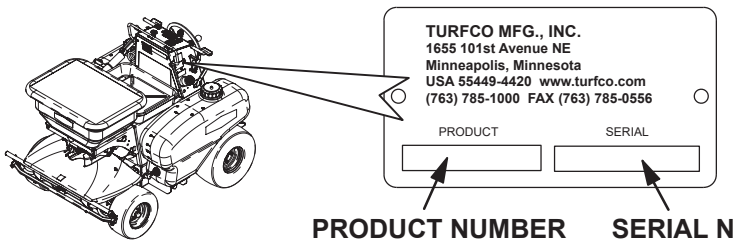
Product Records

IMPORTANT: Record the information from the serial number plate of your Turfco T5000 Applicator. It will be necessary to furnish your Product Number and Serial Number when ordering parts.

Model Designation **T5000 Applicator** Product Number _____

Serial Number _____ Engine Serial Number _____

Purchased From _____ Date Purchased _____



SS85890-01RevA

Specifications

Dimensions:
- Width ..... 47” Inches (1.19 Meter)
- Height ..... 52.5” Inches (1.33 Meter)
- Length ..... 73.5” Inches (1.87 Meter)

Weight Empty ..... 875 Pounds (397 Kg)

Weight Loaded
- Spreader Full, Sprayer Tanks Empty ..... 1,100 Pounds (499 Kg)
- Spreader Empty, Sprayer Tanks Full ..... 1,375 Pounds (624 Kg)
- Spreader Full, Sprayer Tanks Full ..... 1,600 Pounds (726 Kg)

Operator Controls
- Steering and Drive ..... Forward/Reverse Speed Control, Engine Throttle, Forward Speed Control Pedal, Parking Brake, Differential Lock, and Freewheel Lever.
- Spreader ..... Spreader Gate Open/Close, Vari-Rate Adjuster, Spinner Speed Infinite Adjustment, Trim Spread Deflector, Accuway Spread Pattern Adjuster, and Gate Calibration Dial.
- Sprayer ..... Standard Width On/Off, Narrow Width On/Off, Spray Gun Flow Control, Spray Pump On/Off, and Spray Pressure Adjustment.

Production Rates
- Spreading and/or Spraying ..... 4,840 Sq. Ft./Minute - 290,400 Sq. Ft./Hour (450 Sq. Meters/Minute - 26,979 Sq. Meters/Hour)

Spreader Hopper Capacity ..... Approximately 3.7 Cubic Feet - 225 Pounds (0.10 Cubic Meter - 102 Kg.)

Minimum/Maximum Spread Width
- Full Spread ..... 3’ to 25’ Feet (0.9 to 7.6 Meter)
- Trim Spread ..... 3’ to 14.5’ Feet (0.9 to 4.4 Meter)

Sprayer Tank Capacity ..... 60 US Gallons - 500 Pounds of Liquid (30 gallons per tank) (227 Liter - 227 Kg)

Minimum/Maximum Spray Width
- Standard Spray ..... 11’ to 13’ Feet (3.4 to 4.0 Meter) 10’ Effective
- Narrow Spray ..... 5’ to 6’ Feet (1.5 to 1.8 Meter)

Engine ..... Briggs and Stratton® 724cc 22HP Commercial Series (16.4 kW) with electric start, gasoline.

Fuel Tank Capacity ..... 5 Gallons (18.9 liters)

Transaxle ..... Variable Speed with Brake, Differential Lock, Freewheel Control.

Tires ..... Front - 16 x 7.50-8 Rear - 20 x 10.5-8

Maximum Transport ..... 7 MPH (11.3 Km/h)

Turning (Steering) ..... 10 Foot Circle (5 ft radius)

Maximum Slope Angle of Operation ..... 15° Degrees

Registered Trade Mark and Patents

US Patents 8,056,828 - 8,632,018 - 9,321,075 - 10,194,582
TURFCO® is a registered trademarks of Turfco Manufacturing, Inc.
T5000™ and VARI-RATE™ are trademarks of Turfco Manufacturing, Inc.
SPYKER, ACCUWAY, and BORDER PATROL trademarks of Spyker Spreaders, Brinly-Hardy, Inc.
DELAVAN® is a trademark of Delavan Pumps Inc.
BRIGGS AND STRATTON® is a registered trademark of Briggs and Stratton Corporation. Inc.

WARNING

THE ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

OPERATE ONLY IN AREAS WITH ADEQUATE VENTILATION. DO NOT OPERATE ENGINE IN ENCLOSED AREAS.

General Safety Practices

Safety on the job should always be a top priority. Training and experience are important factors in the safe operation of equipment. Please consider the following information and realize that safe operation is a matter of using common sense as it relates to the machine, its maintenance, the operator, the training, and the operating conditions. These are general safety instructions that apply to most turf maintenance equipment.

This list includes many, but not all, general safety instructions as they relate to turf equipment. Common sense must always be used to determine the safest way to operate a machine under specific conditions.

TRAINING:


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- Always read the manual and view the training video before operating a machine for the first time.
- Always read the warning decals before operating a machine for the first time.
- Always check the location and use of each control before operating a machine for the first time.
- Practice operating the machine in a safe area with no obstructions until becoming familiar with the controls. If you have questions, ask your supervisor or call the factory.

CLOTHING:

- Clothes should be snug fit. Loose fitting clothing is hazardous because it may get caught in the mechanism during service or operation.
- Remove jewelry before operation. Again, jewelry may get caught in the mechanism.
- Wear shoes that will protect your feet. Steel toed safety shoes should be considered for many situations.
- Hard Hat: The use of a hard hat should be considered when using equipment on a golf course. The danger of being hit by a golf ball should be a major concern as well as protection while operating under trees .
- Respirators: When operating in dusty, windy conditions, wear a respirator. This is also an important consideration if operating equipment while spreading or spraying chemicals and fertilizers.



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- Eye Protection: Safety glasses and/or face shields should be considered when operating, as well as working in close proximity to high speed rotary equipment. Watch for rotary mowers, edgers, brush and string trimmers. Rotary mowers can throw debris at speed up to 200 MPH.
- Hearing: If the noise level of the equipment is too loud, consider the use of ear protection. Do not use stereo headsets during operation. This is a distraction that may lead to an accident. Headsets also make it difficult to hear other people and equipment while operating in the work area.
- Gloves: Use gloves when handling sharp or hazardous objects, chemicals and fertilizers.

THE OPERATOR:

- The operator should never use a machine while under the influence of alcohol or drugs. The operator should be aware of the hazards of working in the sun and should take proper precautions to avoid heat stress and dehydration. Use sun screen products when necessary.
- The operator should never attempt to ride a machine that is not designed for that propose. Do not allow others to ride a machine that is not designed for passengers.
- Care should always be taken when mounting and dismounting a riding machine. Prevent injuries and falls by making sure the operator does not slip. Unless it is an emergency, do not jump off a machine. Injury may result when an operator's foot slips trying to jump from a machine.
- Keep hands and feet away from the spinner wheel, hopper mixing devices and drive components. Shut off the engine and remove ignition wire when servicing the spinner wheel, hopper mixing devices and drive components.

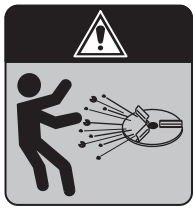

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- Do not operate any equipment at unsafe speeds. Speeds should be reduced when turning or operating on slopes. The operator must use common sense to determine a safe speed based on the equipment, the load, the slope, the surface, and other conditions that may affect safe operation.
- The operator must be aware of the conditions around the area. Be careful to observe other people and machines.

- Beware of slippery conditions. Wet turf can be encountered on slopes, when turning or stopping, or at higher speeds.
- If required to lift, an operator should ask for help if the object is too heavy. The operator should lift with his or her legs instead of the back. Care should be taken to avoid twisting the back while lifting a heavy load.
- Never allow children to operate the machine.

THE MACHINE:

- Do not modify the machine in any manner. Always check the machine to make sure it is in good working order.
- Do not place hands or feet near moving or rotating parts. Inspect to insure that all guards are in place. Do not operate a machine without all guards in place. Be aware of thrown objects from the spinner wheel.


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- Check to assure that all controls are in good operating condition. Make sure the brakes are operating properly.
- Do not overload machinery. The components are designed for certain weights and capacities. Overloading machine will cause unsafe conditions.
- Shut off the engine before servicing the machine. Check machines on a level area. Machines on a slope may roll when the engine is off.
- Refer unfamiliar repairs and adjustments to mechanics that have been trained to do them properly.
- Replace decals that have become damaged or illegible.

ENGINES:

- Prevent accidental starting by removing the spark plug wire when servicing the engine or the equipment.
- Do not strike the flywheel with a hammer or any hard object. This may cause the flywheel to shatter in operation. Use the correct tools to service the machine.
- Pull the starter cord slowly until resistance is felt. Then pull the cord rapidly to avoid kickback and to prevent hand or arm injury.
- Do not run the engine in an enclosed area. The exhaust gases contain carbon monoxide, an odorless and deadly poison.

WARNING

Engine Exhaust Contains Chemicals Known to the State of California to Cause Cancer, Birth Defects or Other Reproductive Harm.

- Do not store, spill, or use gasoline near an open flame, nor near an appliance like a stove, furnace, or water heater that uses a pilot light or can create a spark.
- Do not refuel indoors or in an unventilated area. Check the fuel level. Do not over fill. Do not add fuel while the machine is hot because spilled fuel may cause a fire. Use fresh gasoline. Stale fuel can gum the carburetor and can cause leakage. Check the fuel lines and fittings frequently for cracks and leaks. Replace if necessary.
- Do not remove the fuel tank cap or fill fuel tank while the engine is hot or running. Allow the engine to cool before refueling.
- Do not operate the engine if gasoline is spilled or when the smell of gasoline is present or other explosive conditions exist. Move the equipment away from the spill and avoid any ignition until the gasoline has evaporated.
- Do not transport the engine with fuel in the tank.
- Do not start the engine with the air cleaner and/or the air cleaner cover removed.
- Do not choke the carburetor to stop the engine. Whenever possible, gradually reduce the engine speed before stopping.
- Do not tamper with the governor springs, links or other parts to increase the engine speed. Run the engine at the speed set by the equipment manufacture.
- Do not check for a spark with the spark plug removed. Use an approved tester. Do not crank the engine with the spark plug removed. If the engine is flooded, place the throttle in fast and crank until the engine starts.
- Keep the cylinder fins and the governor parts free of dirt, grass, and other debris which can affect engine speed.
- Do not operate the machine without a muffler. Inspect the muffler periodically and replace it if it is leaking or worn. If necessary, replace it with correct muffler. Do not touch a hot muffler, cylinder, or fin. It may cause burns.


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- Do not operate the engine with an accumulation of grass, leaves, or other combustible material in the muffler area.
- Do not use the engine on any forest covered, brush covered, or grass covered unimproved land unless a spark arrester is installed in the muffler. The spark arrester must be maintained in 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 state may have similar laws. Federal laws apply on federal lands.

Safety

Recognizing Safety Warnings Used In Manual
LOOK FOR THE SAFETY HAZARD WARNING SYMBOLS



The symbol is used to alert the operator of safety hazards.
It is used in conjunction with the words DANGER, WARNING, and CAUTION.

DANGER **WARNING** **CAUTION**

"DANGER" identifies immediate hazards which will result in serious injury or death.
"WARNING" identifies potential hazards which could result in serious injury or death.
"CAUTION" identifies hazardous situations which may result in minor injury and/or could result in damage or destruction of equipment.

DANGER

PROTECT YOURSELF!
Read, Understand and Follow the Chemical Manufacturers Warning Labels and Instructions.
Read and Follow the Material Safety Data Sheet (MSDS) For All Chemicals Being Used.
Wear the Appropriate Personal Protective Equipment (PPE) To Protect Yourself In Accordance With the MSDS Sheet and the Chemical Manufacturers Labels, Handling Instructions and Application Instructions.

READ ALL CHEMICAL WARNING LABELS.



WEAR APPROPRIATE PROTECTIVE EQUIPMENT (PPE)

BE AWARE OF THE HAZARDS OF THE CHEMICALS THAT ARE BEING USED AND APPLIED.
ALWAYS WEAR PERSONAL SAFETY EQUIPMENT TO PROTECT FROM ALL HAZARDS.
REFER TO THE CHEMICAL MANUFACTURES SAFETY WARNINGS FOR THE PRODUCT BEING APPLIED, MIXED, TRANSPORTED, OR STORED.
CHEMICALS CAN BE POISONOUS, CAUSE BURNS, CAUSE SERIOUS ILLNESS OR DEATH.
PROTECT YOURSELF FROM CONTACT, INHALATION, EXPOSURE AND/OR OVEREXPOSURE
READ THE LABELS FROM THE PRODUCT.

DANGER

THE TURFCO T5000 *DOES NOT PROTECT* THE OPERATOR OR BYSTANDERS FROM THE HAZARDS OF EXPOSURE OR OVEREXPOSURE TO CHEMICALS.

THE TURFCO T5000 *DOES NOT PROTECT* THE OPERATOR OR BYSTANDERS FROM THE HAZARDS OF CHEMICALS BEING USED DURING APPLICATION OR AFTER APPLICATION.

THE TURFCO T5000 *DOES NOT PROTECT* THE OPERATOR OR BYSTANDERS FROM THE HAZARDS OF CHEMICALS DURING MIXING, DURING STORAGE, OPERATION, OR DURING TRANSPORTATION OF THE MACHINE.

Welcome

Welcome to the Turfco T5000 Series Applicator. This manual will describe the machine, give correct operating procedures, and help you learn and understand correct operation. Operation of this machine without training can result in injury to the operator or damage to the machine.

Intended Use

The Turfco T5000™ Applicator is a self-powered ride-on spreader/sprayer. The T5000 is intended to be used for the application of properly prepared turf care liquid spray products and turf care granular products. The T5000 is NOT intended to be used for any purpose other than the application of properly prepared turf care products to the turf. Operation is intended to be at properly prepared worksites only.

Description

Product Number 85890 - T5000 Series Applicator

The Turfco T5000 Applicator is an easy to operate, comfortable, high production lawn applicator for dry and spray products. The lawn applicator is capable of spreading fertilizer or spraying at the rate of 4,840 square feet per minute (450 square meters per minute). The T5000 Applicator is a 4 wheel machine using standard automotive style steering for directional control and operator comfort. The front wheels are the steering wheels and the rear wheels are the drive wheels.

The operators position is standing on a vibration isolated platform on the rear of the machine. The forward and reverse speeds are controlled by using a simple directional hand control allowing the operator total control of the speeds from 0 to 7 MPH (0 to 11.3 Km/h). Braking is provided by a dynamic braking system within the hydrostatic transmission and a hand operated parking brake. Releasing the speed control (and the foot operated forward speed control pedal) will stop the machine. The machine is designed so that it will stop movement if the operator dismounts and releases the speed control. Always engage parking brake when dismounting the machine.

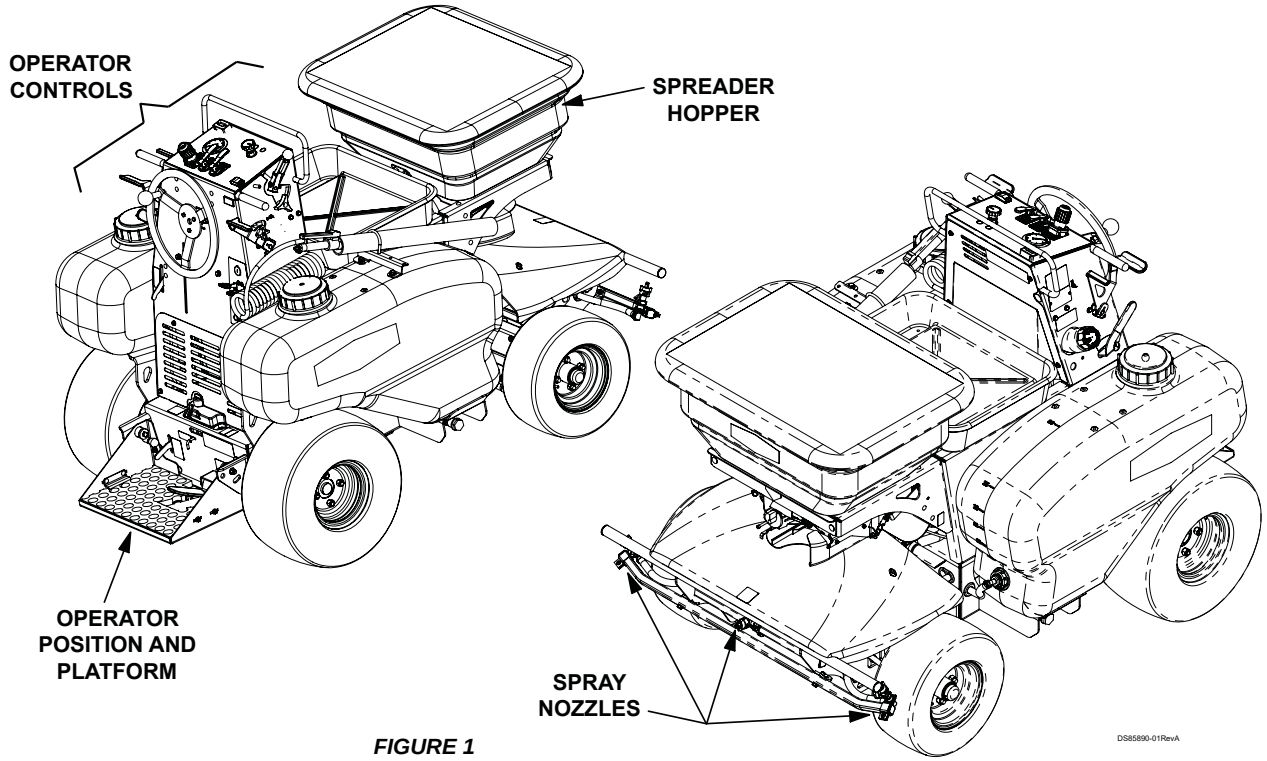


FIGURE 1

OPERATION

Before Operating the T5000 Series Applicator and Before Starting the Engine,



1. Read the Operators Manual.
2. Check the oil in the engine.
3. Check air pressure in the front and rear tires. Inflate to PSI shown on tire.
3. Fill the machine with fresh approved gasoline.
4. Inspect the machine for any loose nuts, bolts or hardware or anything that does not look normal.
5. Check all guards and covers to make sure they are secure.
6. Become familiar with the controls. Stand on the operators platform and test operate all the driving controls. Check that the platform locking knob is in place (locked).
7. Do not start the engine - you are not ready yet.

Turfco T5000 Applicator Operator Driving Controls ***(See Figure 2)***

WARNING

Warning: Driving the T5000 Applicator without training and practice can cause damage to the machine and injure the operator.

Before driving the applicator become familiar with the operator controls.

A. PARKING BRAKE LEVER
B. FREEWHEEL LEVER
C. ENGINE THROTTLE AND CHOKE
D. FORWARD/REVERSE SPEED CONTROL
E. FORWARD SPEED CONTROL PEDAL
F. STEERING WHEEL
G. ELECTRIC START

Take time to become familiar with all the controls before you attempt to drive this machine.

Become comfortable with the reach and movement of the Speed controls, the Steering Wheel and the locations of the Engine Throttle, Freewheel Lever, and Parking Brake.

It may take several hours of practice before one has the skill level required to properly applicate a lawn. Operation of the T5000 Applicator before one has developed the proper skill level can cause damage to the machine, operator or the lawn.

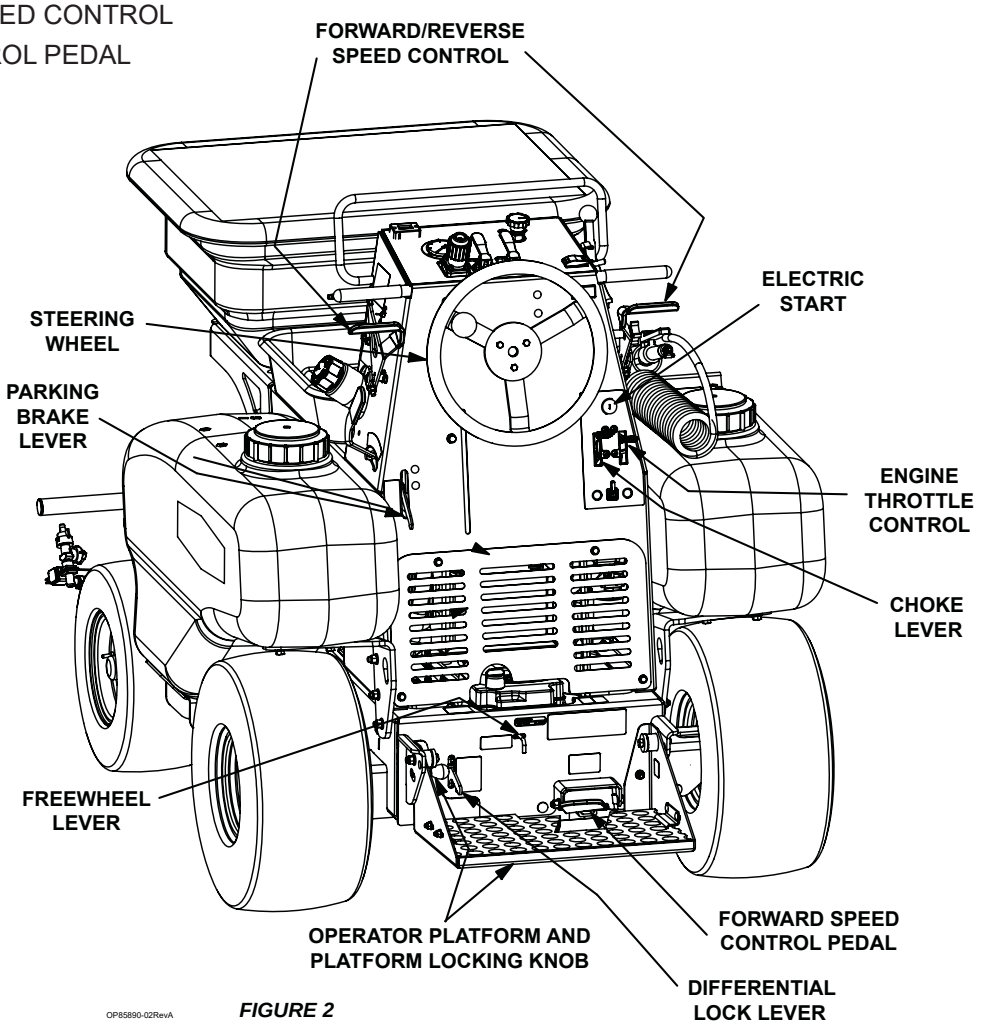


FIGURE 2

DRIVING CONTROLS

1. 

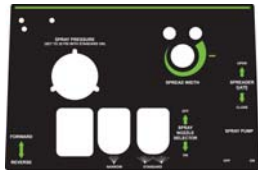
Locate the Parking Brake. Test the movement of the lever to the ON and OFF positions. The brake should always be set in the ON position when the operator is ***not present*** on the machine.

2. 

Locate the Freewheel Lever. This lever puts the transaxle in a “neutral” state allowing the machine to be pushed by hand when the engine is not running. The lever must be in normal position (pushed in) during operation.

3. 
Locate the Engine Throttle Control. Test the movement of the lever. Note the range of movement - from Slow to Fast. The throttle should be set at “Fast” during operation to maintain a constant and even ground speed.

Locate the Choke Control. Test the movement of the lever. Note the range of movement - from On to Off.

4. 
Locate and test the movement of the Forward/Reverse Speed Control. Make sure your hands can reach as needed for full movement of the control (either right or left hand control). The control operates by ***Slowly*** squeezing the control forward for forward movement, pull back for reverse movement, or releasing to stop movement.

5. 

Locate and test the Forward Speed Control Pedal. This is the pedal by your right foot. By ***Slowly*** pressing the pedal with your foot, you can move the Forward/Reverse Speed Control handle forward without using your hands. As long as you have the pedal depressed with your foot the speed lever control will remain in a forward position. Remove your foot from the Forward Speed Control Pedal and the speed control will return to the neutral position. Operation is for forward movement only, the pedal is not used for reverse movement.

6. Test the full movement of the Steering Wheel. The steering uses standard automotive style of steering the front wheels.

After you are totally comfortable with the location and movement of the operator controls, you are now ready to start the engine.

STARTING THE ENGINE

Before starting the engine, check that the fuel tank shut-off valve (located on fuel line before filter) is open.

1. Set the parking brake before starting the engine. Check the Freewheel lever.

2. Make sure Forward/Reverse Speed Controls are in the neutral (not engaged) position. Make sure Forward Speed Control Pedal is not depressed.

3. Move choke lever to ON position and check throttle lever is in slow position.

4. Operator must be off the machine before starting.

5. Use key (ignition switch) to start engine.

6. Allow engine to run on choke for a very short time and then choke lever to OFF position. Allow to machine to run a few minutes to warm up.

DRIVING THE MACHINE
(See Figures 3, 4 and 5)

To begin your driving lesson you will need a large smooth paved level area like a parking lot.

Forward and Reverse Operation (See Figure 3)

1. Stand on the operators platform before touching anything. Do Not stand on the green Forward Speed Control pedal.
2. Place one hand on the support bar and grip the steering wheel with the other hand.
3. Release the Parking Brake.
4. Using the hand on the support bar, move the speed control lever ***slowly*** towards the support bar. The machine should move ahead slowly. Slowly moving the speed control bar closer to the support bar will increase the forward speed.

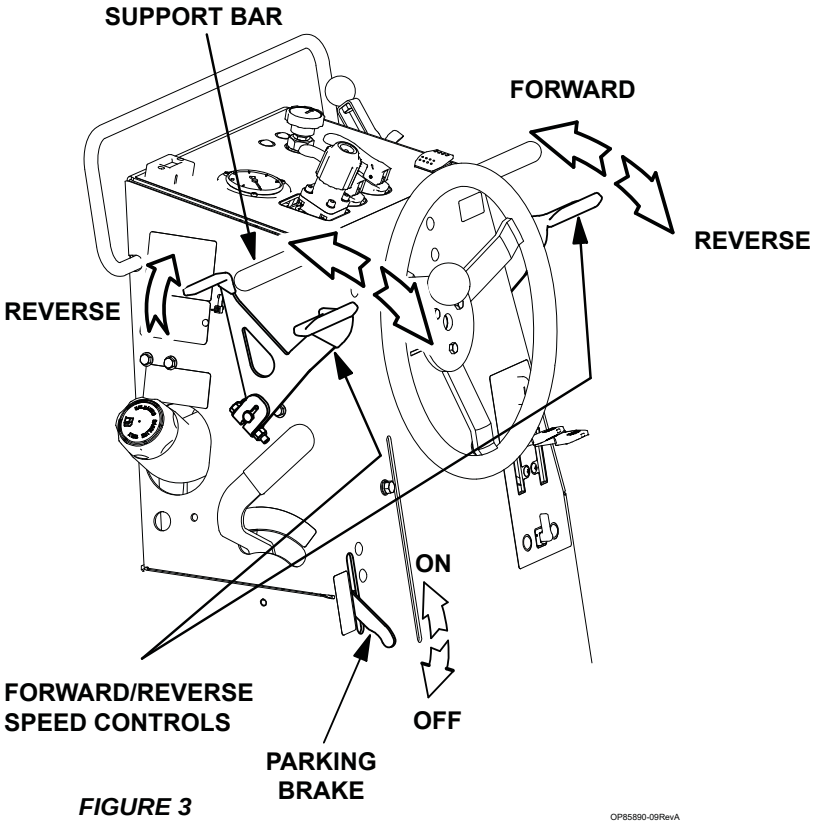


FIGURE 3

5. The transmission that automatically stops the machine when the speed control is released. Let go of the speed control and it will go to neutral. The machine will quickly come to a full stop in just a few feet of travel. Try this many times to get used to.
   - Go ahead slowly and release the speed control lever. The control will return to the neutral position and the machine will stop. ***The machine will stop quickly.***
   - You may speed up a little as you become more accustomed to the start and stop characteristics of the machine. Continue this for several minutes gradually getting more speed and becoming used to the stopping motion.
   - Also try the same movement using the reverse lever on the left side.
6. The reverse speed control is under the left side support bar. Move the reverse speed control upward toward the support bar ***slowly***. The machine will slowly start moving in reverse. Try this a few times to get used to the movement and control.

Using Forward Speed Control Pedal (See Figure 4)

The T5000 Applicator has a “Forward Speed Control Pedal”. This pedal can be used to control forward speed, the same as the forward speed control handles. This allows the operator to use his hand to operate the other spreader and sprayer controls on the machine.

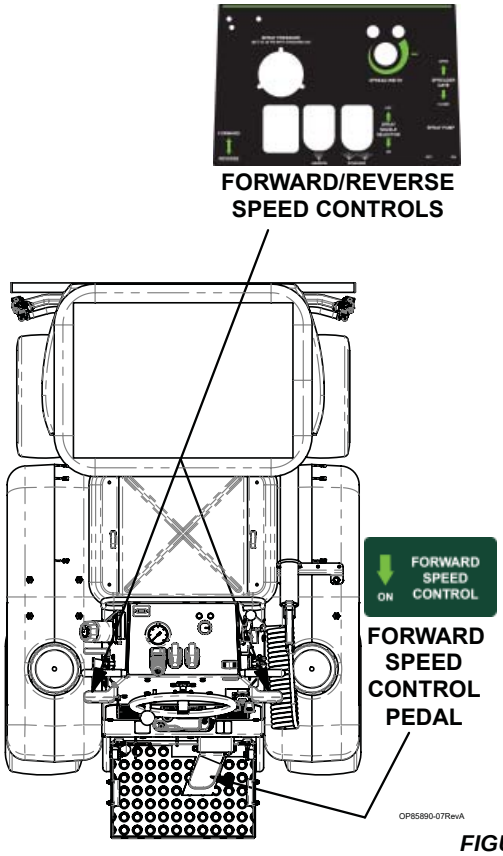


FIGURE 4

To operate the Forward Speed Control Pedal, step on the green colored pedal (located on the operators platform) and ***slowly*** press down. Notice that as you press the pedal the forward speed control handles are moving forward. The further you press the pedal, the further the speed control handles move. As long as pressure is applied on the pedal, the speed control will remain in forward position.

- Try this operation a number of times so you become very familiar with the operation of the Forward Speed Control Pedal. You will need to know this for later operation of the machine.

Note: The pedal is for forward movement only, the pedal is not for reverse.

Using Speed Selector (See Figure 5)

The T5000 Applicator speed selector on the right hand speed control allows user to drive at three different speeds when the handle is pressed fully. The lever limits the amount of forward movement of the speed control handle.

To change speeds, loosen the black plastic knob completely, push in on the plastic knob and line up with desired speed hole on handle, then let knob spring out into place and retighten knob.

The three speeds are:

- 7 mph (for transport only).
- 5.5 mph (standard speed for spreading and spraying).
- 3.5 mph (for training or spraying at a higher rate).

Note: Whenever spreading or spraying at a different speed user must re-calibrate machine to ensure correct application of fertilizer and chemical.

The speed lever can be used with or without the speed control pedal.

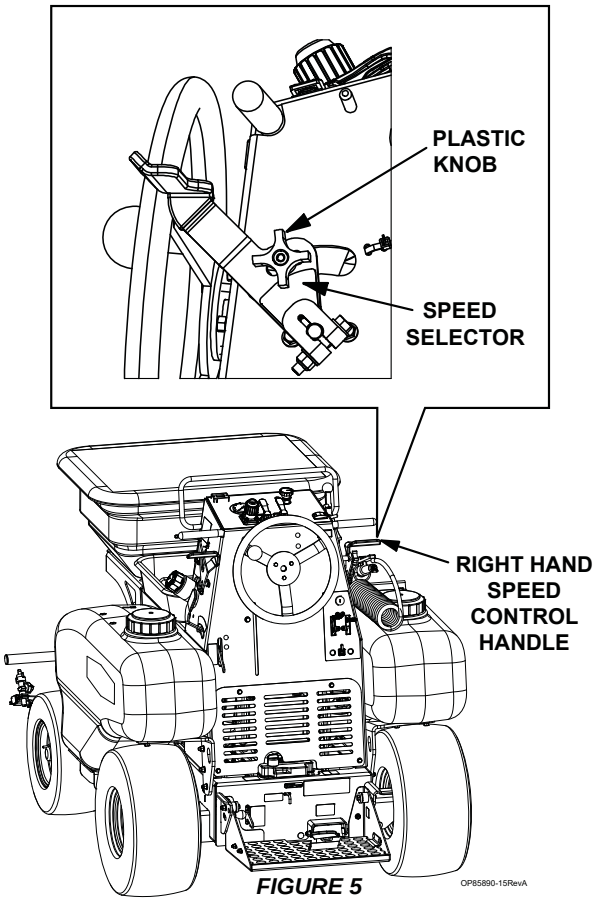
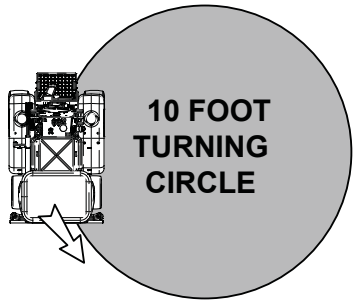


FIGURE 5

Steering the Machine

Now you are ready to try the steering and driving the machine on the parking lot. Like your car, the Turfco T5000 Applicator steers uses a steering wheel. A full spin to the right will give you a full right turn and a full spin to the left give you a full left turn. The steering wheel is equipped with a wheel spinner knob to make this easier.

Drive the machine in all modes; fast, slow, turns, figure 8's and reverse backing. One thing you must get accustomed to is steering and stopping of the machine. Do this for at least 10 minutes before we move on to the other controls.



- Drive the T5000 Applicator ahead slowly 10 feet and make a 180º degree turn using the steering wheel. Continue doing this several times gradually increasing the speed. Do not try to make a full 180º degree turn at full speed until you are well accustomed to the machine.

- Continue with other driving maneuvers such as figure "8's", circles, 90º degree turns and many 180º degree turns. The machine is designed to do a full 180º degree turn in 10 feet, to match the effective operation width of the spread and spray. Therefore the operator must practice this turn until they have it mastered.

Climbing Curbs
(See Figure 6)

Now that you are familiar with driving the T5000 Applicator, you are ready to try all the same turns and maneuvers you learned in the parking lot on the lawn. Now you are ready to move up into the lawn and practice turns, trimming, getting close around trees and obstacles.

You should always use curb cuts or driveways when ever possible. But, in the case they are not available you should know how to climb a curb with the machine. ***You should always dismount when climbing curbs or other obstacles with the machine.*** Hold the steering wheel firmly and advance the machine slowly until the entire machine is on the lawn. Stop and remount the machine.

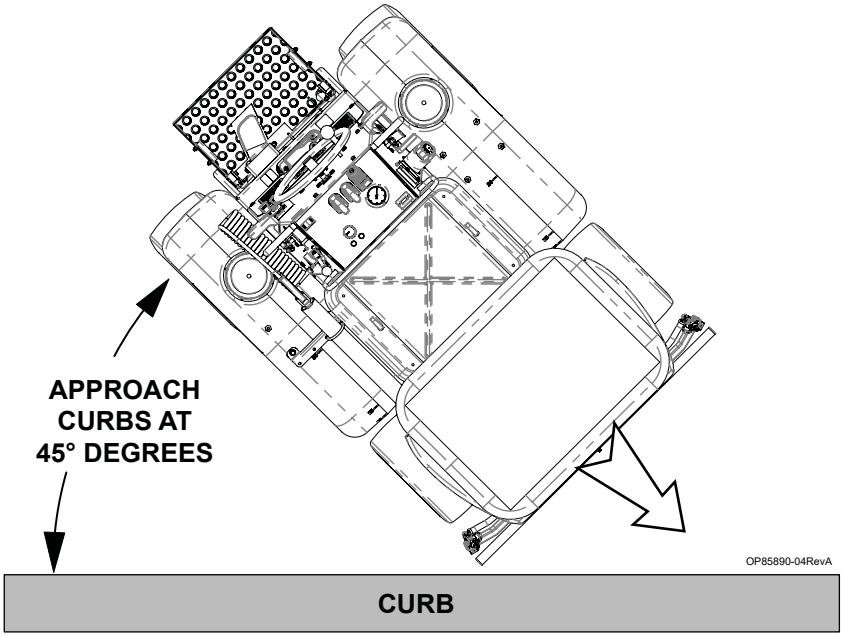


FIGURE 6

1. Approach the curb at a 45º degree angle. Stop the machine a few inches from the curb.
2. Dismount the machine keeping your hands on the support bar and steering wheel
3. Hold the steering wheel firmly and ***slowly*** advance the speed of the machine.
4. The machine should slowly climb over the curb. The operator may remount as soon as the machine is on top of the curb.
5. The same technique is used for going down over a curb.

WARNING

The Turfco T5000 Applicator is not designed to be operated on any incline or slope exceeding 15º Degrees. Operation on inclines of more than 15º degrees can result in injury and/or damage to the machine.
Operation on inclines exceeding the 15º degree limit can cause spillage of materials

Operation on Slopes, Inclines or Hills
(See Figure 7)

For safety reasons, the best way to drive up or down a slope is at a 45º degree angle to the slope. This will keep you from being directly above or under the mass of the machine. This machine is only rated to go on slopes of 15º degrees or less. Slopes of more than 15º degrees could cause injury to the operator or damage to the machine. ***Roll overs can occur***, using the machine to traverse along a slope of more than 15º degrees is not recommended. You should always use walking applicators on slopes more than 15º degrees.

- Do not turn the machine while on a slope or incline.
- If one must operate across a slope, angle the machine 45º degrees to the direction of the incline no matter if you are going up or down the slope.
- Do not operate the machine across the face of a slope or at 90º degree angles to the slope.

WARNING

*The Turfco T5000 Applicator is **not designed** to be operated on any incline or slope exceeding 15º Degrees.*

Operation on inclines of more than 15º degrees can result in injury and/or damage to the machine.

Operation on inclines exceeding the 15º degree limit can cause spillage of materials

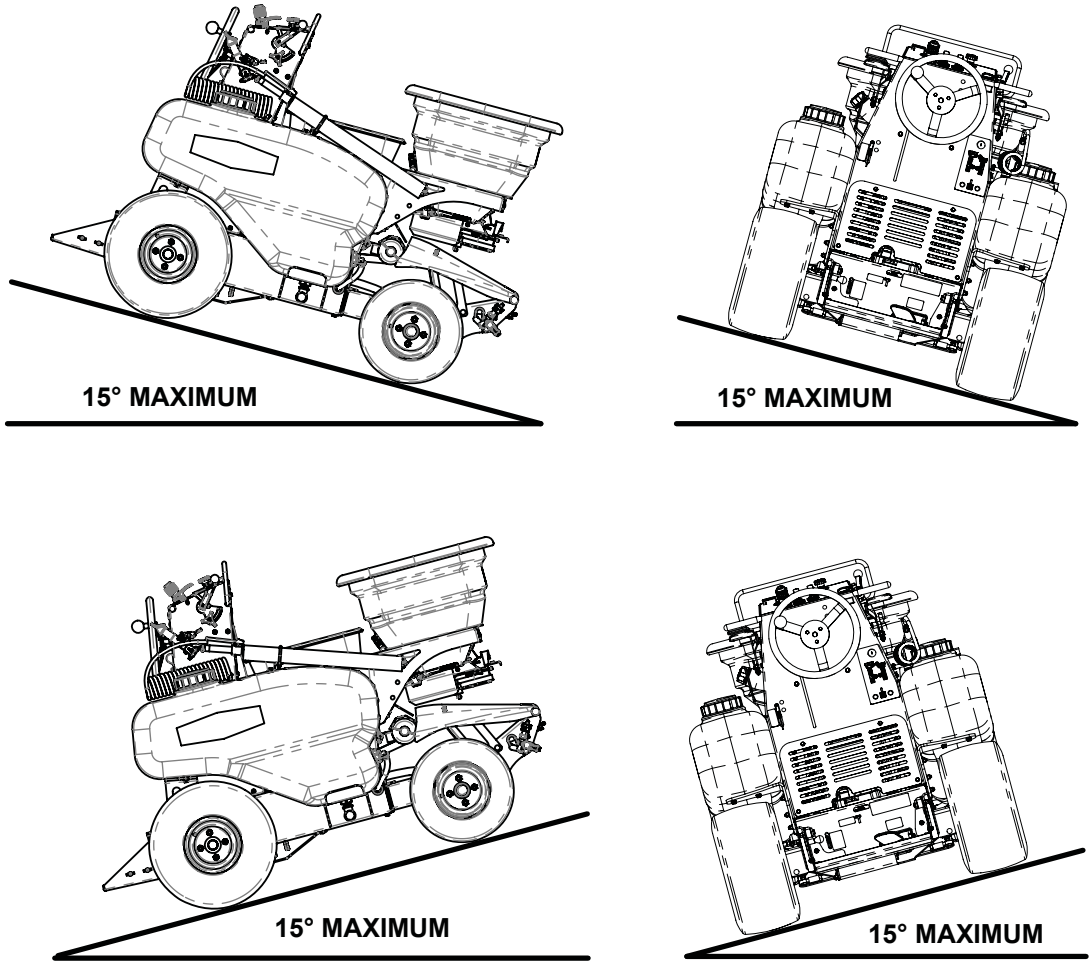


FIGURE 7

OP85890-05RevA

THE SPREADER

The spreader has several components and controls you should be familiar with before operating the machine.

1. **HOPPER** ***(See Figure 8) -*** The spreader hopper size is 3.7 cubic feet and holds 225 pounds (0.10 Cubic Meter/ 102 Kg.) of material.

2. **SPREADER GATE** ***(See Figure 8) -*** The Spreader Gate opens allowing the material from the hopper to fall onto the spinner wheel for spreading. The gate is operated from Spreader Gate Open/ Close Control lever on the right side of the operators control.

3. **SPREADER GATE RATE ADJUSTER DIAL** ***(See Figure 9) -*** The Spreader Gate Rate Adjuster Dial, is a round white plastic cam on the front of the spreader hopper. This cam sets the exact opening of the spreader gate. ***The exact setting for the gate dial should only be set by licensed persons.***

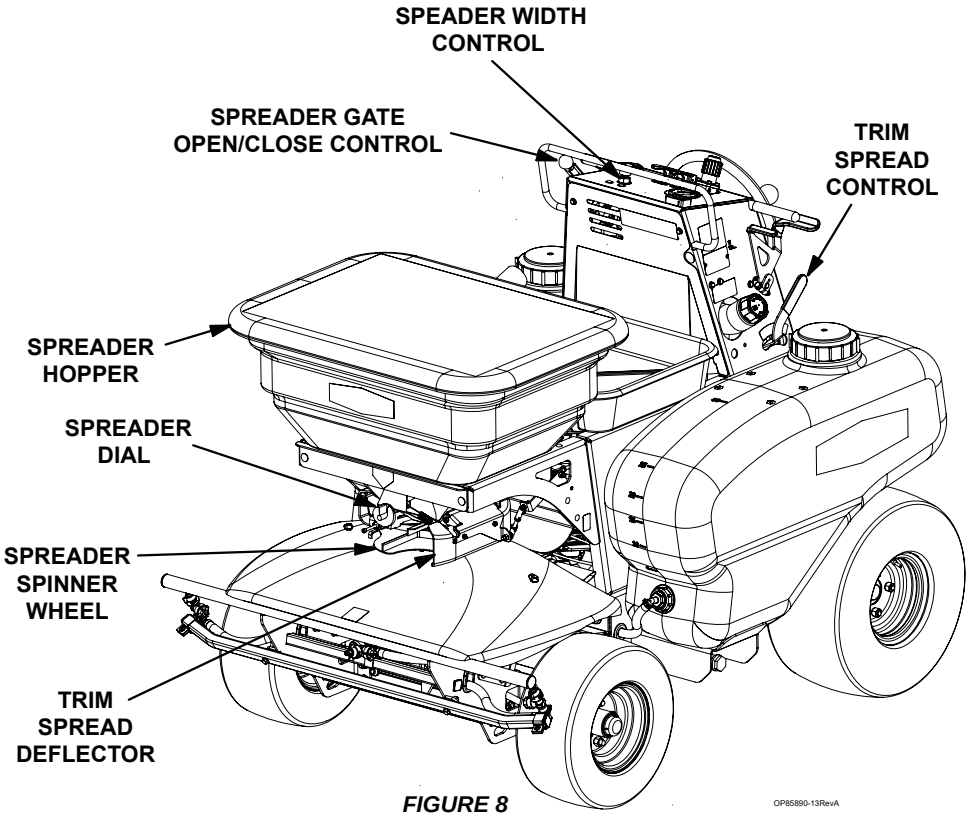


FIGURE 8

4. **"ACCUWAY" SPREAD PATTERN ADJUSTER** ***(See Figure 9) -*** The Spread Pattern Adjuster moves the position of a black plastic wedge that is under the hopper gate opening. When the gate is opened, the wedge controls where the material lands on the spinner wheel. This affects how fast the material exits the spinner wheel and changes the throw of the material. The wedge can be adjusted to throw more material to the right, more to the left, or an equal right to left pattern.

   More detailed information about the adjuster can be found in the spreader calibration section of this manual

   The Accuway Spread Pattern Adjuster must be readjusted if the Spreader Gate Rate Adjuster Dial has been changed or when a different product is being used. ***Consult the calibration section in this manual for proper adjustment.***

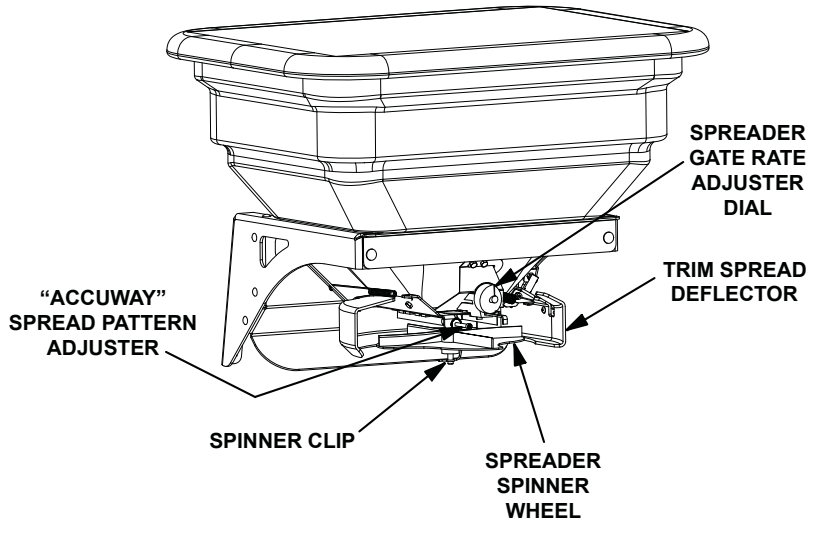


FIGURE 9

5. SPINNER WHEEL ***(See Figure 8 and 9) -*** The Spinner Wheel broadcasts the material from the hopper. The speed of the spinner wheel is controlled by the Spinner Speed Control.

6. SPINNER SPEED CONTROL ***(See Figure 8 and 10) -*** The spinner is operated by a hydraulic motor. The spinner speed knob allows operator to infinitely adjust spinner speed to vary spread width between approximately 3 and 25'. At the factory the knob is set so the arrow is pointing to the right, aligned with the line on the dash board. This speed will spread approximately 20' wide (10' effective) to match up with the width of the standard spray width nozzles.

For minimum spinner speed, turn spinner speed knob approximately 1.5 turns clockwise.

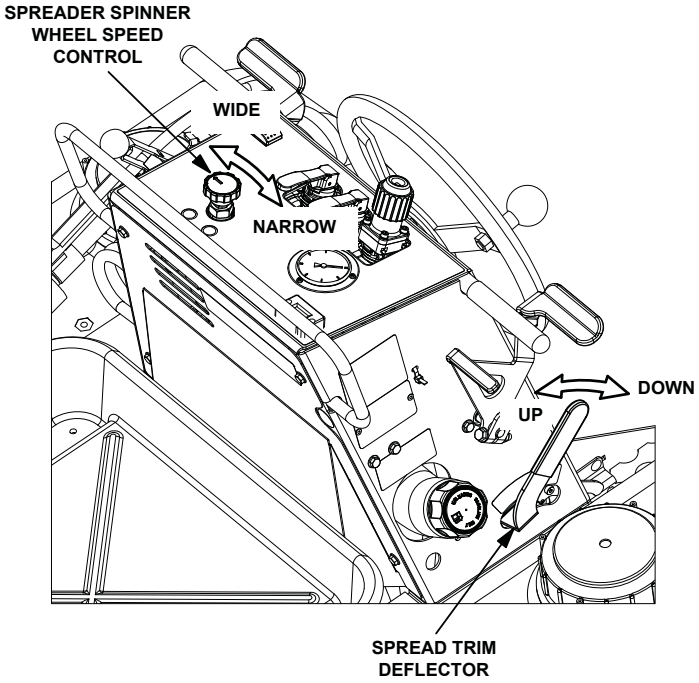
For maximum spinner speed, turn spinner speed knob approximately 0.5 turns ccw to get to the 25' spread width. The spinner knob can keep turning ccw, but the increased speed of the spinner will have a poor spread pattern

7. SPREADER GATE OPEN/CLOSE CONTROL ***(See Figure 10) -*** The Spreader Gate Open/Close Control handle controls the opening of the spreader gate. Push forward to the open the gate or pull back to close.

8. VARI-RATE ADJUSTABLE GATE STOP ***(See Figure 10) -*** Vari-Rate Adjustable Gate Stop is located next to the spreader gate handle. The stop will limit the movement of the spreader gate control handle. This causes the spreader gate to stop at a preset opening size that is less than 100% open (opening must be preset during calibration). To use the Vari-Rate stop, simply push the lever in as you open the gate. The lever will snap in to a more vertical position and stop at the gate stop. To bypass the stop, tip the control out as you move it forward to open the gate and the handle will miss the stop allowing the gate to fully open.

The Vari-Rate Adjustment Gate Stop should only be set by the person calibrating the spreader. This should never be done in the field and should be changed whenever the calibrated rate is changed. ***The exact setting for the Vari-Rate should only be set by licensed persons.*** Refer to the spreader calibration section in this manual.

9. SPREAD TRIM DEFLECTOR ***(See Figure 8 and 10) -*** The Spread Trim deflector is on the left side of the hopper and is operated by a lever on the left side of the operators panel. The deflector is operated by pulling the lever Down for trim and pushing Up for full width application.



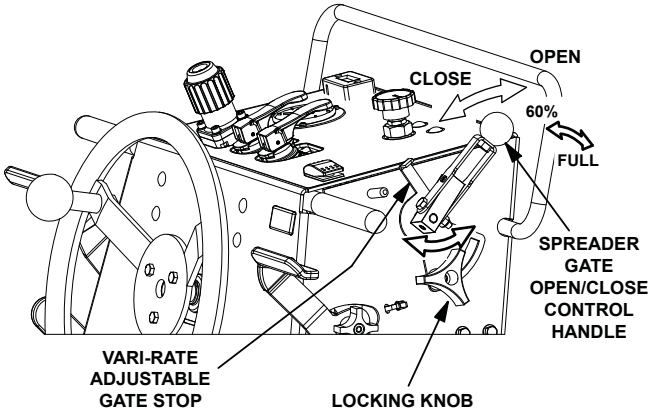


FIGURE 10 OP85890-14

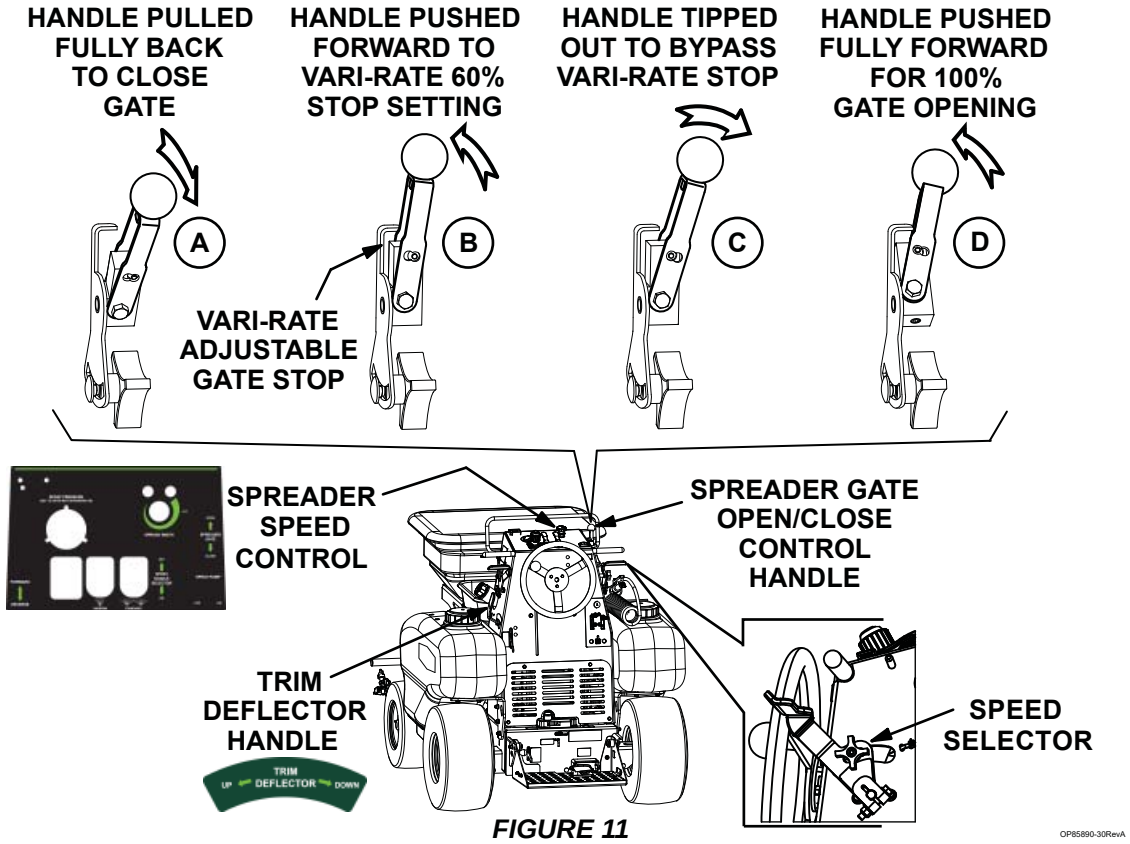


FIGURE 11

OPERATION FOR TRIMMING

To get clean trimming with little off target fertilizer on sidewalks and curbs use these tips.

- Pull the Trim Spread Handle back to lower the boarder patrol deflector (ON).
- Move the Spread Width to the Narrow position.
- Open the Gate Opening Handle to the left and forward against the Vari-Rate Stop.

Note: When trimming drive the unit with the left front tire approximately 6 inches away from the area you are trimming i.e. sidewalks, curbs, flower beds and etc. Prills coming off the front cover and left front tire will cover this area.

Also when you make your first full spread pass, make sure you are throwing fertilizer to the center of your trim tire tracks so you get 100% coverage.

Trimming to Right with Full Width Spread

When trimming to the right, you only need 60% of the full gate opening. Use all the Spreader controls together for a very accurate trim along a side walk and curb area.

1. Adjust the Vari-Rate Adjustable Gate Stop so it is at 60% of full open setting for your product *(Licensed Operator Adjustment Only).*

2. Pull the Trim Spread Handle Down to lower the deflector.

3. Open the Spreader Gate Open/Close Control handle. Handle should be positioned to stop at Vari-Rate stop - *See Position "B" in Figure 11*. This way you will be spreading only to the right and the rate will be at 60% of the full rate. The spread pattern will start approximately 2" to 3" inches to the left of the front tire and spread out to the far right.

SPREADING OPERATION ON THE LAWN

All lawns are different. Most accidents happen when operators are not familiar with either the machine or the terrain on which they will be using the machine.

1. Practice with the T5000 before you try to operate it on a lawn. Practice in all kinds of conditions for at least 30 minutes. Simulate close quarter operation (i.e. between a fence and AC unit) before you actually try it. Climb curbs, get used to operation on mild slopes and making turns. Be totally familiar with your machine before you every try to apply products to a lawn. You will need practice before you become good at the controls and driving at the same time.

2. *BEFORE YOU GO ON THE LAWN,* Place the screens in the hopper, fill the hopper with the material you are going to spread.

3. *BEFORE YOU APPLICATE ANYTHING,* go on the property to be treated and drive slowly around the entire perimeter. Note or mark all obstacles, holes, rocks or anything that can be a hazard, harmed by the machine or cause damage to the machine.

4. Trim out the property to be treated. Pull the Trim Spread Handle down to lower the deflector. You will be going around the property clockwise doing a trim strip around the outer edge of the property. Keep your left side wheels about 6 inches inside any walks or drives you do not want product on. As you start ahead open the spreader gate to the 60% setting as you are only spreading to the right. The deflector will keep the fertilizer from going “off target” to the left.

5. Stop after going around the entire edge of the property. With the settings in the same trim positions, you will want to make a counterclockwise pass around all objects on the property.

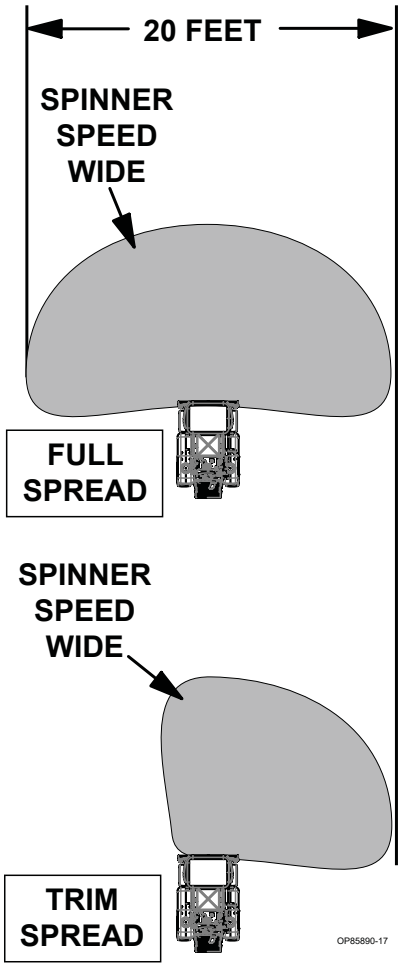
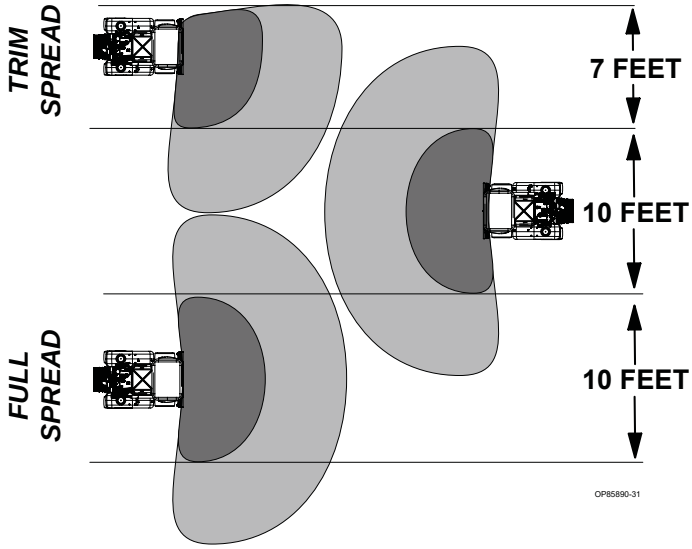


FIGURE 12



6. Stop. Push the Trim Spread Handle up to raise the deflector. You will now make another pass around the property exactly 6 feet out from the last pass tire track. The Spreader gate will be in the full open position. When you have finished this pass you will have a 14 foot band around the entire property to be used for turning. You are now ready to applicate the lawn.

7. To applicate go straight across the lawn, with the spreader gate in the full open position. As your spread hits the 14 foot turning band on the side of the lawn, turn off the spread and make a 180º degree turn. The machine will come straight at 10 foot from your last tire track. Turn on the spread, keeping the T5000 10 foot from your last tire track all the way across the lawn. Continue this procedure until you are done with the lawn.

The Sprayer

The sprayer has several components and controls you should be familiar with before operating the machine.

1. PUMP ***(See Figure 15) -*** The pump is located in the back of the console next to the battery. The pump is electric and will turn on with the switch on the dash board.

2. PUMP PRESSURE CONTROL AND GAUGE ***(See Figure 14) -*** The Turfco T5000 Applicator has an adjustable pressure spray system. The yellow knob adjusts the pressure and the pressure is indicated on the gauge. The amount of pressure in the system controls the amount of product being sprayed. ***Calibration, set-up and adjustment of this control can only be done by licensed personnel.*** The pump pressure should never be adjusted by the operator in the field. Consult the sprayer calibration adjustments in this manual. Watch the pressure gauge during operation. The gauge should read 25 PSI when spraying using the stanadard width nozzles. Note: If the tanks are empty, the gauge will read zero.

3. TANKS ***(See Figure 14) -*** The Turfco T5000 Applicator has two liquid tanks. Each Tank has a capacity of 30 gallons for a total of 60 gallons (227 liters). The tanks are connected to maintain an equal balance in both tanks. The product being sprayed is equally pumped from both tanks and any bypass of product is equally returned to both tanks. The by-pass flow back to the tanks is the agitation in the tanks to maintain product mix. Liquid solutions are all that are supposed to be used in these tanks. Wettable (soluble) powders may plug the system and should not be used. ***PROPERLY MIX THE PRODUCT BEING SPRAYED OUTSIDE OF THE TANKS BEFORE FILLING THE TANKS. TO AVOID CONTAMINATION OF WATER SUPPLIES, NEVER PLACE A HOSE DOWN IN THE TANK.***

4. SPRAY CONTROLS ***(See Figure 14) -*** There are two spray controls.

- The right control turns on the standard width spray nozzles.
- The left control turns on the narrow width spray nozzle.

5. SPRAY NOZZLES ***(See Figures 13 and 15) -*** There are three nozzles, two standard width spray nozzles and one narrow width spray nozzle. Both standard and narrow width blue nozzles will apply 1/3 gallon per 1000 sq .ft. at 25 psi (while spraying) and 5.5 mph when properly calibrated.

See Page 27 for Sprayer Calibration

- The standard width spray nozzles are located above on each end of the spray bar below the front bumper. The nozzles together produce a 10 foot wide “Effective Spray Pattern” combined with a “Next Pass” overlap on both sides resulting in a 12 foot wide spray pattern. Note that the 10 foot turning radius of the machine will place you back in line with the overlap “Next Pass” spray for your next pass.
- The narrow width spray nozzle is located centered under the front bumper. This nozzle produces a 5’ foot wide “Effective Spray Pattern”.

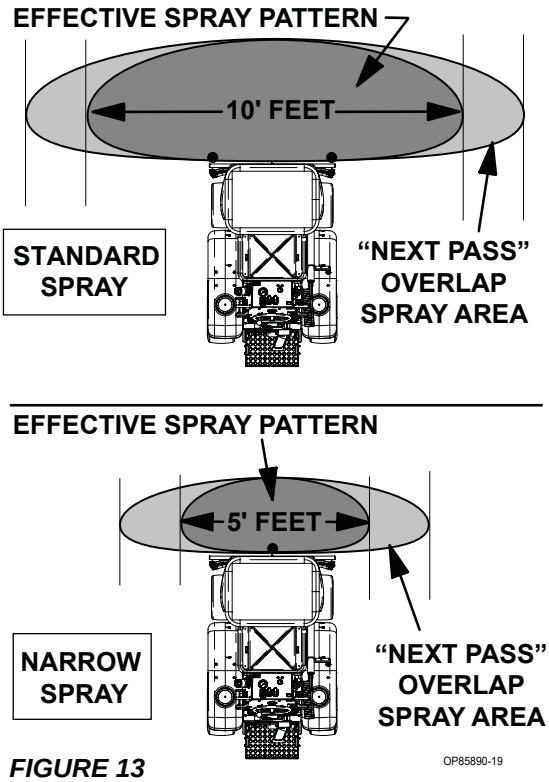


FIGURE 13

6. SPRAY GUN ***(See Figure 14) -*** The hand spray gun allows the operator to spot spray product in small areas. When the pump switch is in the on position, the trigger on the gun allows the operator control the guns spray. Use the spray gun flow control valve to control (limit) the amount of flow to the spray gun. All other spray controls should be off when using the spray gun.

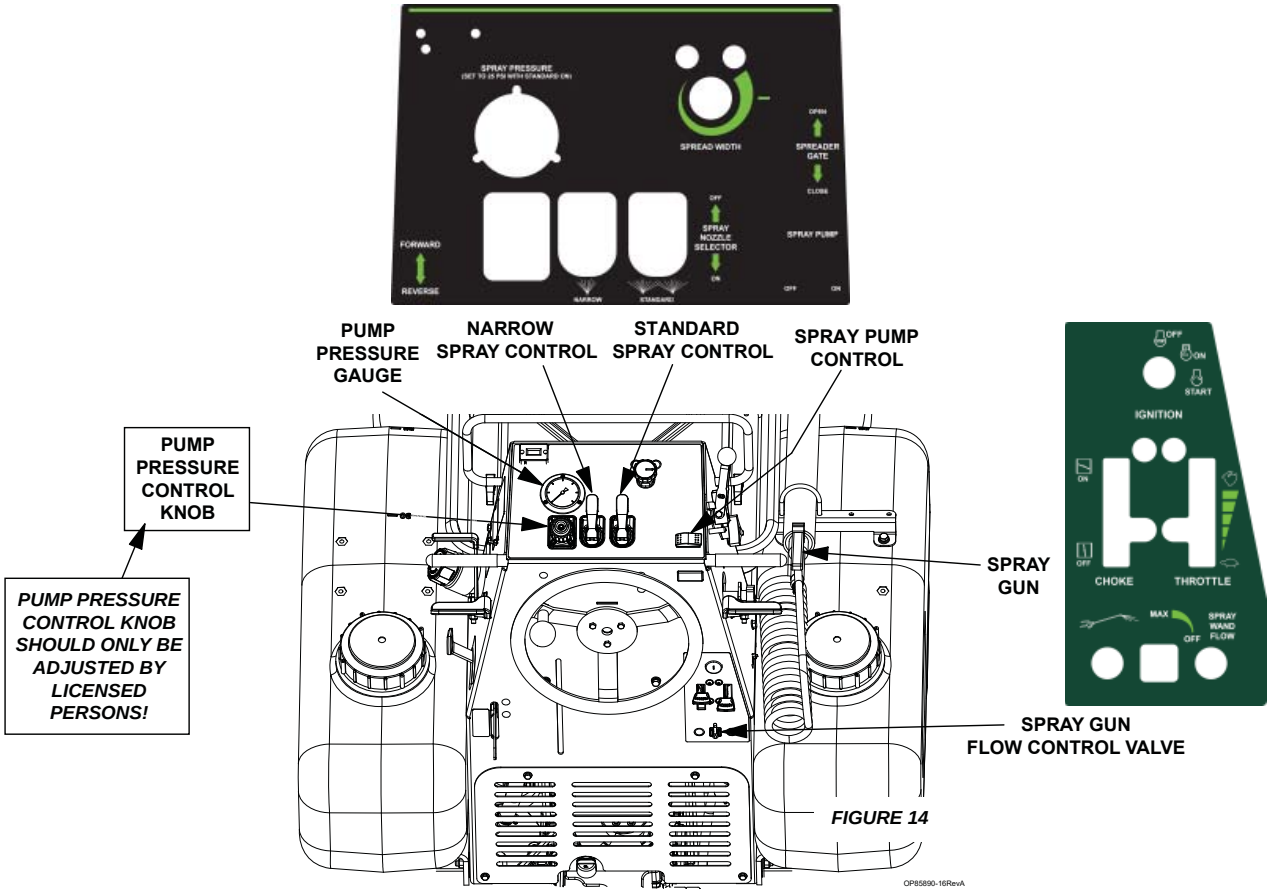


FIGURE 14

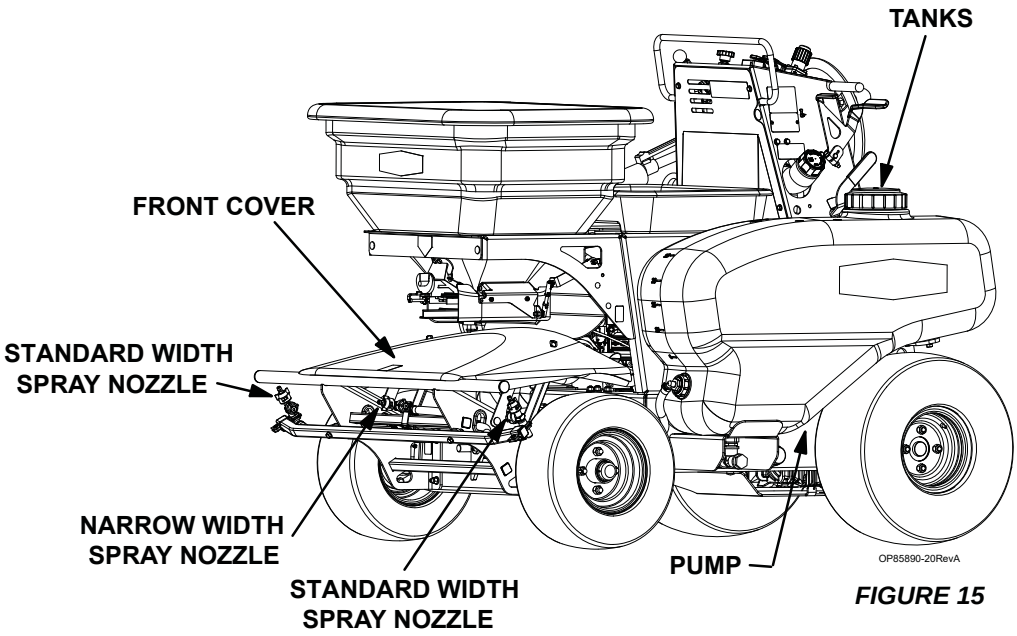


FIGURE 15

SPRAY OPERATION ON THE LAWN

All lawns are different. Most accidents happen when operators are not familiar with either the machine or the terrain on which they will be using the machine. Practice with the T5000 before you try to operate it on a lawn. Practice in all kinds of conditions for at least 30 minutes. Simulate close quarter operation (i.e. between a fence and AC unit) before you actually try it. Climb curbs, get used to operation on mild slopes and making turns. Be totally familiar with your machine before you every try to spray product to a lawn. You will need practice before you become good at the controls and driving at the same time.

1. *BEFORE YOU GO ON THE LAWN,* fill the tanks with the product you are going to spray.
2. *BEFORE YOU SPRAY ANYTHING,* go on the property to be treated and drive slowly around the entire perimeter. Note or mark all obstacles, holes, rocks or anything that can be a hazard, harmed by the machine or cause damage to the machine.
3. First trim out the property to be treated. Use the "Narrow" control handle to operate the narrow width nozzle. You will be going around the property clockwise doing a trim strip around the outer edge of the property. Keep your left side tire about 6 inches away from any walks or drives you do not want product on. As you start moving ahead, open the narrow width spray handle. The narrow width spray nozzle will spray 5' to 6' feet wide.
4. Stop after trimming around the entire edge of the property. Using the same "Narrow Spray", you will want to make a counterclockwise pass around all objects on the property.
5. Stop. You will now make another pass around the property exactly 6 feet out from the trim pass tire track. Use the "Standard" control. When you have finished this pass you will have a 14 foot band around the entire property to be used for turning. You are now ready to spray the lawn.
6. To applicate go straight across the lawn using the standard spray control. As your spray hits the 14 foot turning band on the side of the lawn, turn off the spray and make a 180º degree turn. The machine will come straight at 10 foot from your last tire track. Turn on the spray, keeping the T5000 10 foot from your last tire track all the way across the lawn. Continue this procedure until you are done with the lawn.

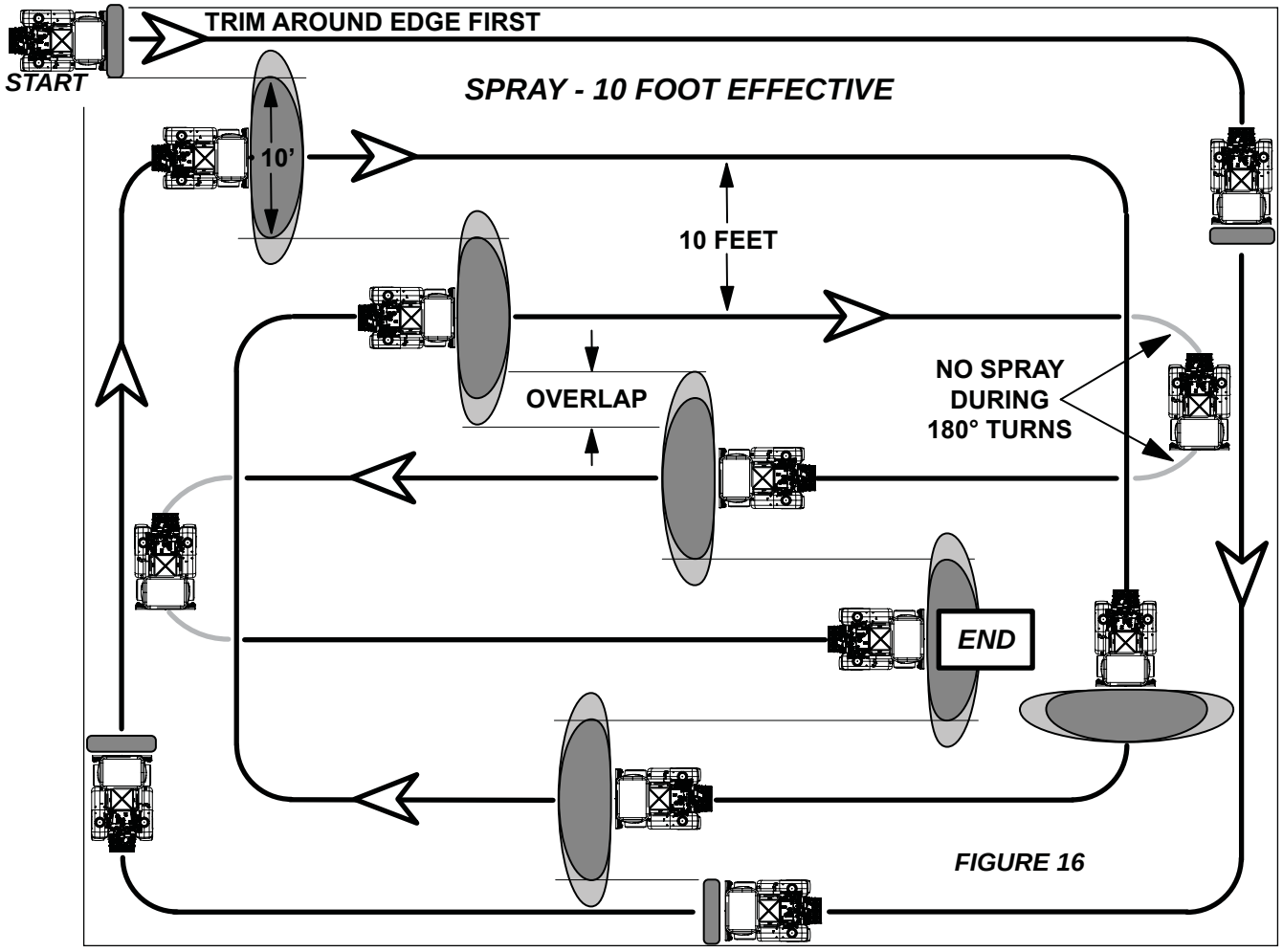


FIGURE 16

Transporting the Machine to the Worksite

Whether you use trailers, carriers or a pickup, loading and unloading the T5000 Applicator is very easy using the hydrostatic drive. Just approach the load area or ramps, get off the machine and slowly walk it into or onto the transport device. ***Never, repeat never attempt to ride the machine while loading.***

Unloading is just the opposite as loading. Walk slowly with the machine using the speed control to move the machine. ***Do not attempt to drive the machine down ramps, carriers or trailers while riding the machine.***

If you need to push the machine by hand, the transaxle has a freewheel "neutral" position so the machine can be moved without starting the engine. Just place the transmission neutral lever in the freewheel position and it will make the machine free wheel so you can move the machine by pushing it. ***WARNING - When the freewheel lever is in the neutral position, the machine can roll away on ramps and slopes.*** Use the parking brake to secure the machine.

Always use the front bumper and rear tie down locations when you tie the machine for transport. Do not attach ties to the fertilizer hopper, tanks or other parts of the machine. Only use the front bumper and rear tie down locations for transport tie down.

Loading and Unloading using Ramps

1. Position the machine at the bottom of the ramps.
2. The operator should be ***off the machine*** standing behind the operators platform.
3. Using the Speed Control Lever slowly advance the machine forward and up the ramps into the trailer, truck or carrier. The operator will remain off the machine the entire time.
4. Unloading is the same process. The operator will remain ***off the machine*** slowly walking the machine down the ramps.

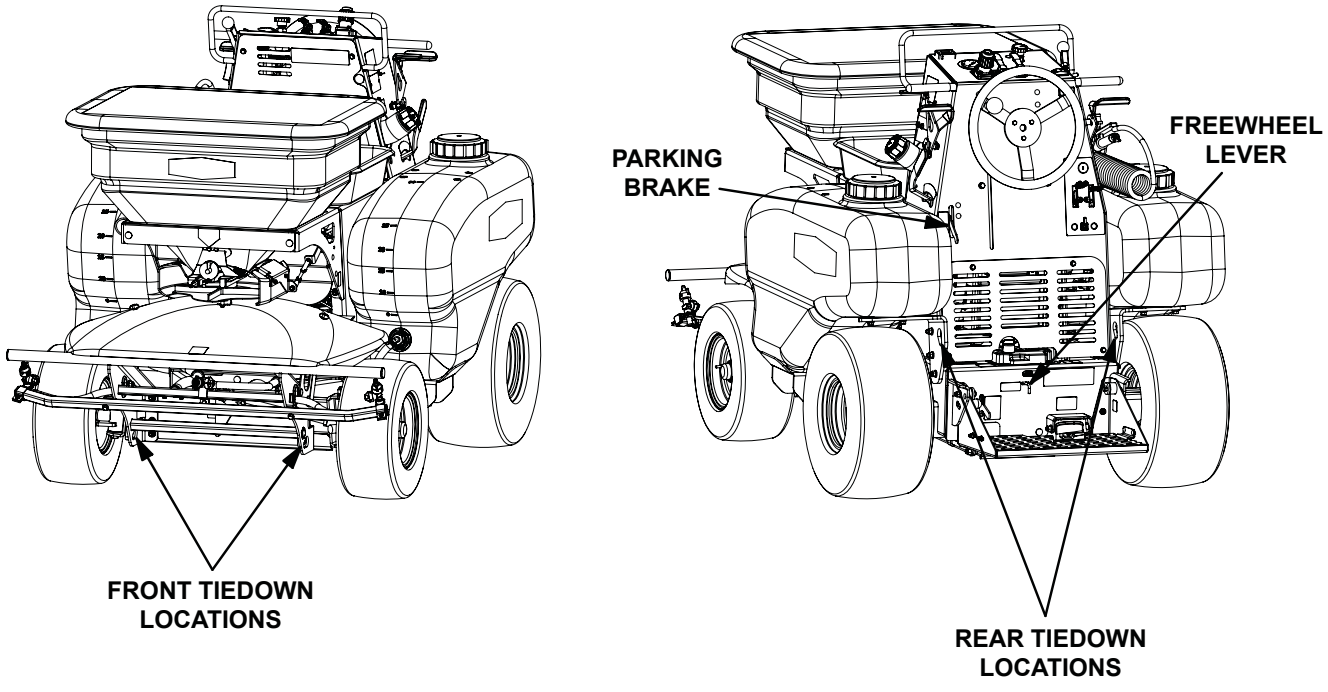


FIGURE 17

TROUBLESHOOTING TABLE

PROBLEM	POSSIBLE CAUSE
GROUND SPEED WRONG	ENGINE RPM WRONG
	BENT OR MISADJUSTED TRANSAXLE ADJUSTMENT ROD
	V-BELT TO TRANSAXLE DAMAGED OR MISADJUSTED
	PARKING BRAKE ON OR NOT DISENGAGING
	OVERLOADED
	TRANSAXLE PROBLEMS
STEERING PROBLEMS	LOOSE STEERING CHAIN
	DAMAGED OR BENT TIE RODS, WORN TIE ROD ENDS
	BENT SPINDLES
	FRONT WHEEL BEARINGS
EXCESSIVE NOISE OR VIBRATION	LOOSE COVERS OR GUARDS
	MOTOR MOUNTS LOOSE OR DAMAGED
	ENGINE PULLEY LOOSE, IDLER PULLEY BEARINGS DAMAGED OR WORN

SPREADER PROBLEMS	
SPINNER NOT ROTATING	ENGINE NOT AT FULL RPM
	SPINNER SPEED KNOB TURNED DOWN
	MISSING SPINNER SHAFT PINS
	WORN OR DAMAGED SPINNER SHAFT BEARING IN HOPPER
POOR SPREAD	GATE SETTING WRONG OR GATE NOT OPENING
	DEBRIS IN GATE
	GATE CONTROL LINKAGE BOUND UP
	TRIM DEFLECTOR - HANDLE IN WRONG POSITION
	ACCUWAY SETTING WRONG
	ENGINE RPM
	GROUND SPEED
SPREADING HEAVY TOWARDS LEFT OR RIGHT SIDE	ACCUWAY SPREAD PATTERN ADJUSTER SETTING WRONG

TROUBLESHOOTING TABLE

PROBLEM	POSSIBLE CAUSE
SPRAYER PROBLEMS	
NO PRESSURE OR LOW PRESSURE	BLOCKED FILTER
	SHUTOFF VALVE IN OFF POSITION
	PUMP FAILURE
	HOSES FROM TANK TO PUMP BLOCKED OR KINKED
	HOSES FROM PUMP TO REGULATOR BLOCKED OR KINKED
	PRESSURE REGULATOR FAILURE OR SET WRONG
	SYSTEM AIR LOCKED, VENTS ON TANK CAPS BLOCKED
PRESSURE BUT NO SPRAY	BLOCKED SPRAY TIPS
	BLOCKED FILTER
	DAMAGED SPRAY CONTROLS
	DAMAGED OR KINKED HOSES TO SPRAY TIPS
OSCILLATING PUMP PRESSURE NEEDLE (RAPID 10+ LBS. MOVEMENT)	SYSTEM LEAKS KINKED HOSE
	FILTER BLOCKED
	PRODUCT LEVEL IN TANKS TOO LOW
	BAD PUMP
	PRODUCT IN TANKS FOAMING - KEEP TANKS 1/3 FULL
POOR SPRAY	MISSING SPRAY TIPS
	BLOCKED SPRAY TIPS
	PRESSURE SETTING WRONG
SYSTEM LEAKS	DAMAGED OR LOOSE HOSES
	PUMP FAILURE, PUMP LEAKING AT SEALS, REPLACE PUMP
	DAMAGED OR CRACKED FITTINGS
	DAMAGED OR LOOSE O-RINGS ON FITTINGS
	DAMAGED TANKS OR TANK FITTINGS
SPRAY GUN NOT WORKING	BLOCKED SPRAY GUN TIP MISADJUSTED SPRAY GUN TIP
	SPRAY GUN FLOW CONTROL VALVE NOT OPENED

Calibration of Machine Speed

Calibration should only be done by qualified persons.

Mark off a length of 88 ft. on a level surface.

Set the speed selector to the 5.5 mph speed setting.

A. With a running start, time how long it takes to travel the 88 ft. A = _____ sec

B. Measured mph (60 ÷ A) B = _____ mph

Adjust speed rod as needed and redo test until desired speed is achieved.

Calibration of Spreader

Calibrate the machine for product desired. See the product label for application rates. Calibration should only be done by licensed persons.

A. Speed Selector Setting (3.5, 5.5, or 7 mph) A = _____ mph

B. Effective Spread Width (Overall Spread Width ÷ 2) B = _____ ft

C. Time to Cover 1000 ft² (682 ÷ A ÷ B) C = _____ sec

D. Effective Spread Width with Trim Deflector Down (B ÷ 2 + 2) D = _____ ft

Example: Factory Settings

A = 5.5 mph

B = 10 ft

C = 682 ÷ 5.5 ÷ 10 = 12.4 seconds

D = 10 ÷ 2 + 2 = 7 ft

C is the amount of time to catch granular product from the hopper for calibration. Weigh the amount of product. This is the rate applied per 1000 ft².

For Full Spread: Have gate handle tipped out when opening gate, rate dial on hopper will control gate opening width. Adjust rate dial on hopper as needed and redo test until desired rate is achieved.

For Trim Spread: Complete Full Spread Calibration before doing Trim Spread Calibration. Have gate handle tipped in when opening gate, vari-rate stop by gate lever will control gate opening width. Adjust vari-rate stop as needed and redo test until desired rate is achieved.

Note:

- Always refer to product label to identify correct application rate/1000 ft2 that is needed.
- To get more accurate calibration, take the time X 4 for catching product, and take the amount of product ÷ 4 to find the rate applied.

Setting the Vari-Rate Stop (See Figure 20)

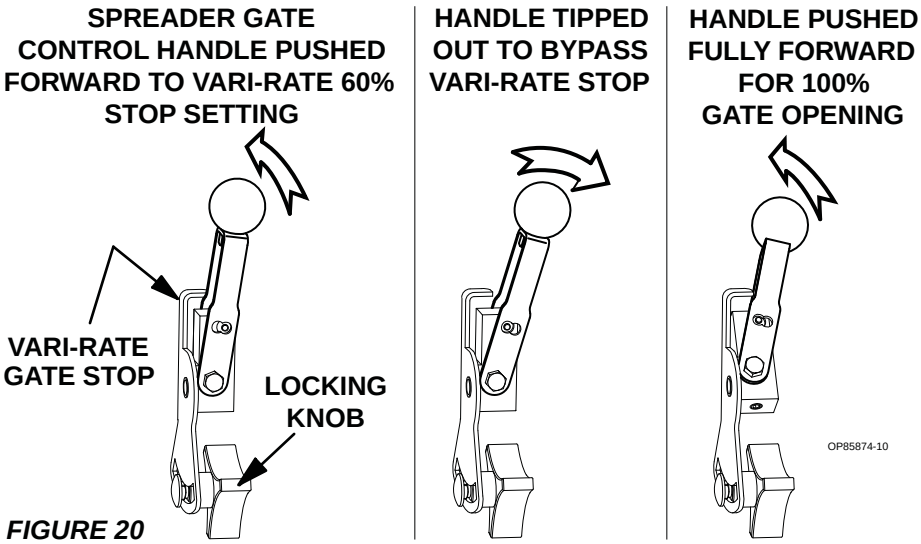


FIGURE 20

Setting the "Accuway" Spread Pattern Adjuster (See Figure 21 and Figure 22)

The Accuway Spread Pattern Adjuster is a black plastic wedge that is under the spreader gate opening. When the gate is opened, the Accuway wedge controls where the material lands on the spinner wheel. This affects the throw of the material. If the material lands closer to the center of the wheel, it spreads more material to the right. If it lands closer to the outside edge of the wheel, it spreads more material towards the left.

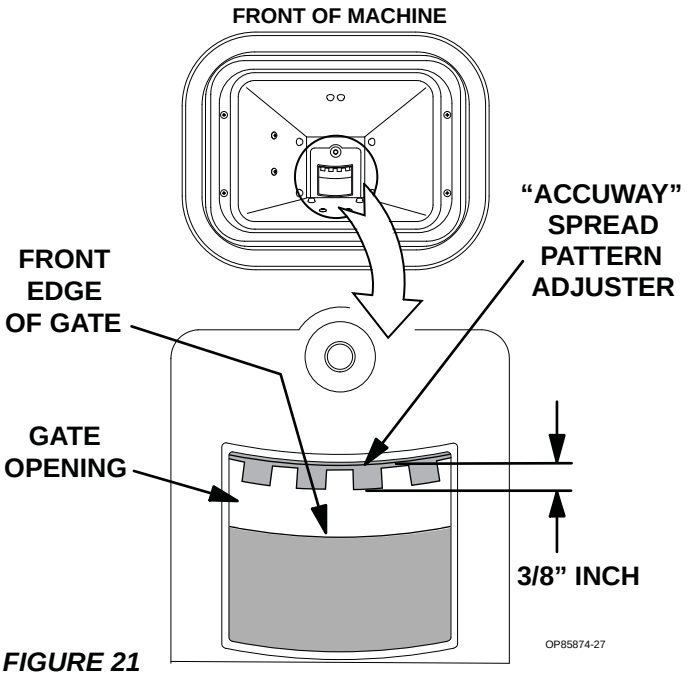


FIGURE 21

Material drops out of the hopper just behind the center of the wheel (spinner wheel rotates clockwise).

Product that lands closer the center of the spinner wheel has father to travel on the wheel as it moves to outside edge to be thrown. As a result of staying on the wheel longer, it gets thrown out last - or to the right.

Product that lands closer the outside edge of the spinner wheel is thrown first. It is on the wheel for a shorter time and is thrown out first - or to the left.

Adjust your Accuway to give a even balanced left to right spread. Start with an empty hopper -

- Open the gate all the way. Look straight down into the opening, you will see the black plastic Accuway wedge.
- Screw the adjuster knob (on front of hopper) so the Accuway moves into the gate opening. Move the Accuway far enough forward so that 3/8" of an inch is visible in the opening.
- To adjust the throw more to the left, increase the amount that the Accuway is visible in the opening.
- To adjust the throw more to the right, decrease the amount that the Accuway is visible in the opening.
- Continue moving the wedge until you get the left to right balance spread of the product.

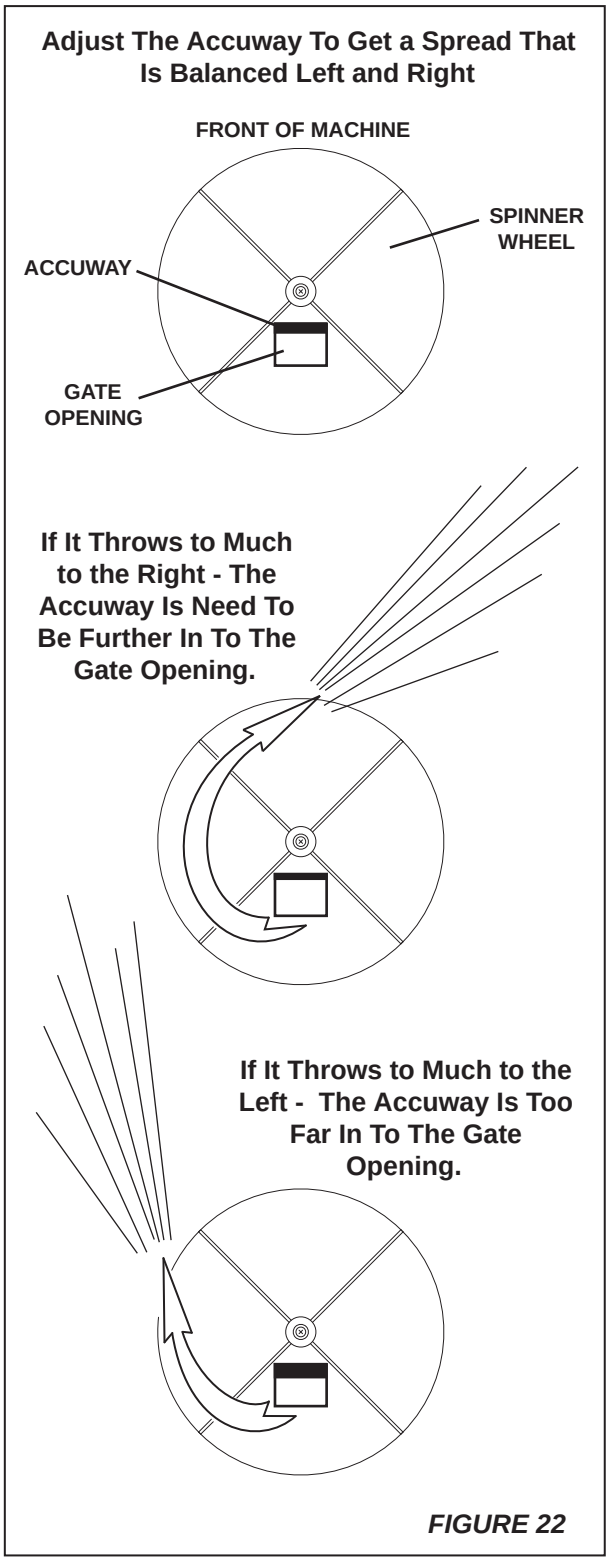


FIGURE 22

Note: The Accuway pattern adjuster needs to be changed when the gate opening size is changed (recalibrated) or product type is changed.

Calibration of Sprayer

Calibrate the machine for product desired. See the product labels for application rates. Calibration should only be done by licensed persons.

A. Speed Selector Setting (3.5 or 5.5 mph) A = _____ mph

B. Effective Spray Width (10 ft) B = ____10____ ft

C. Time to Cover 1000 ft² (682 ÷ A ÷ B) C = _____ sec

Example: Factory Settings

A = 5.5 mph

B = 10 ft

C = 682 ÷ 5.5 ÷ 10 = 12.4 seconds

Nozzle Rate Chart:

	Approx. Rate (gal/1000)	
NOZZLE	5.5 mph	3.5 mph
TF-4 (White)	0.25	0.40
TF-5 (Blue)	0.33	0.50
TF-7.5 (Green)	0.50	0.75
1/4K-18*	1.00	1.50

* Requires High Spray Rate Kit (7 GPM pump)

C is the amount of time to catch spray from both nozzles. Measure amount of spray. This is the rate applied per 1000 ft². Adjust spray pressure as needed and redo test until desired rate is achieved.

Notes:

- Always refer to product label to identify correct application rate/1000 ft² that is needed
- This calibration is for applying pre-mixed product. This is not an instruction on how to mix product with water, refer to product label for ounces of product per gallon of water
- Start by setting pressure to 25 psi when standard width nozzles are on
- Not recommended to spray at 7 mph setting
- Reminder-if measuring in ounces, divide by 128 to convert to gallons/1000 ft² rate
- To get more accurate calibration, take the time X 4 for catching product, and take the amount of product ÷ 4 to find the rate applied

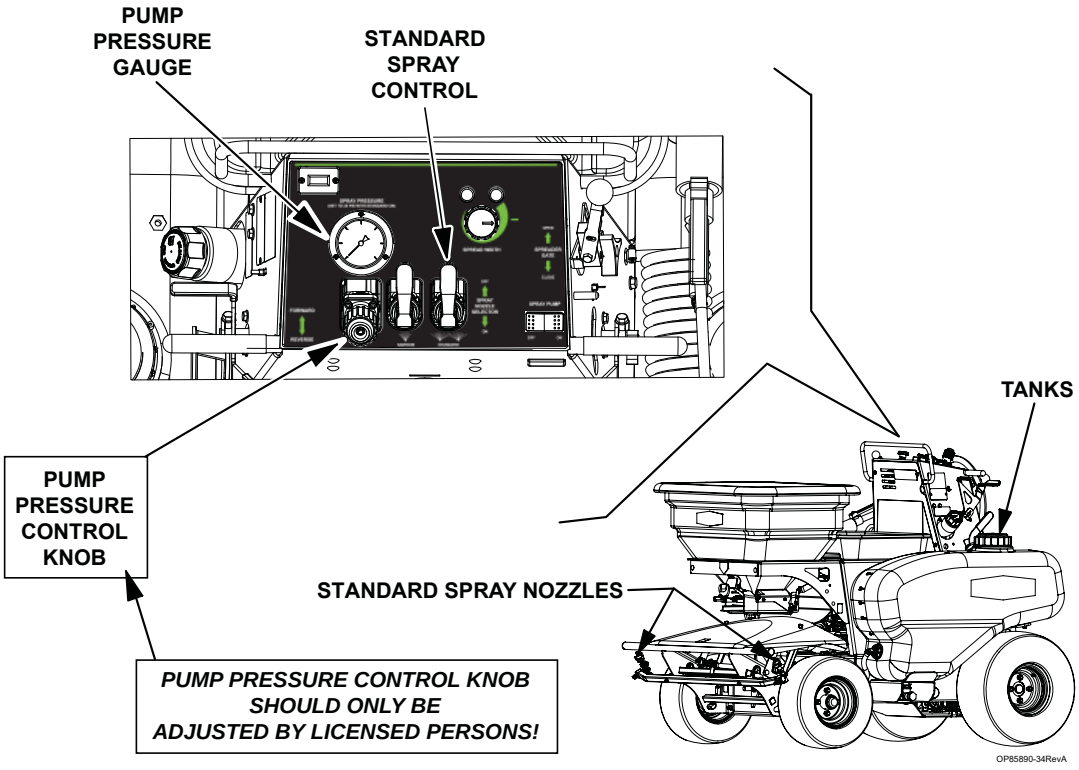


FIGURE 23

SERVICE AND MAINTENANCE

WARNING

TO AVOID SERIOUS INJURY, Do Not Service, Inspect, Lubricate Or Adjust The T5000 With Any Part of the Sprayer or Spinner Assembly Operating or With the Engine Running.

All Of The Service And Adjustment Procedures Involve Or Are Near Rotating And Moving Parts. Work Safely, Follow All Hazard Warnings, Decals, Safety Precautions And Wear The Appropriate Safety Gear.

Operator Daily Inspection

INSPECTION - A general inspection is a good idea before the machine is ready to used or put away. Before and after each use, check the following items:

- Inspect for damaged or missing guards or covers. Do not operate any machine with missing or damaged guards.
- Inspect entire T5000 for damaged or inoperable components. Do not operate any machine with damaged or inoperable components.
- Inspect the entire machine for loose fasteners. Retighten as required.
- Inspect all the operator controls for proper operation.
- Check the tires for proper inflation.
- Inspect the spinner assembly spinner wheels. Check for proper alignment, damage, wear, and missing hardware.
- Check for a buildup of fertilizer on spinner assembly components and the hopper gate. Check for a buildup on and under the spinner wheels. Check for debris caught in spinner wheel.
- Check for a buildup of fertilizer on components under the hopper.
- Protect from rust and moisture with a very light coating of machine oil.

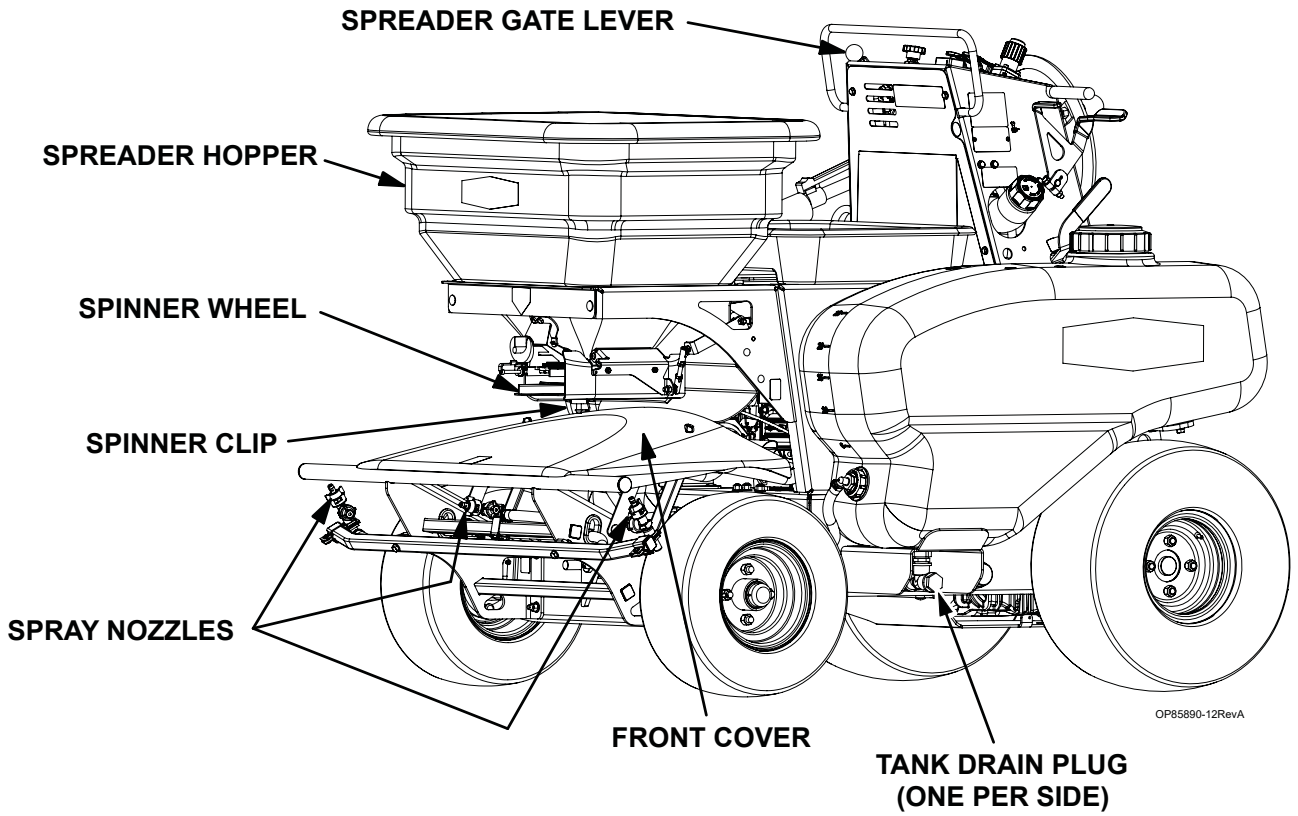


FIGURE 24

CLEANING

IMPORTANT!!

Keeping the machine clean and free of fertilizer and chemical residue is critical to the life of the machine. Always wash the machine until it is clean and free of fertilizer everywhere. ***Fertilizer left on the machine will ruin the paint and cause corrosion.*** This will damage the machine and be the cause of failures later.

- Clean the entire machine by blowing off debris with air. If needed, can wash off with a hose or low pressure washer.
- Avoid high pressure washing around bearings.
- Wash out the Fertilizer hopper.
- Move the gate opening lever while washing to make sure the gates are clean and free of chemicals. Use a dry lubricant on the spreader linkages.
- Clean the carburetor governor springs and linkages weekly. Refer to Lubrication Section in this Manual.
- Sparingly apply light machine oil to control rust. Refer to Lubrication Section in this Manual.

REMOVAL OF THE SPINNER WHEEL *(See Figure 25) -* The spinner wheel can be removed to aid in inspection and cleaning. Remove spinner clip under spinner to drop spinner from shaft. To remove shaft after spinner is off, remove hairpin in shaft under spinner motor in hopper.

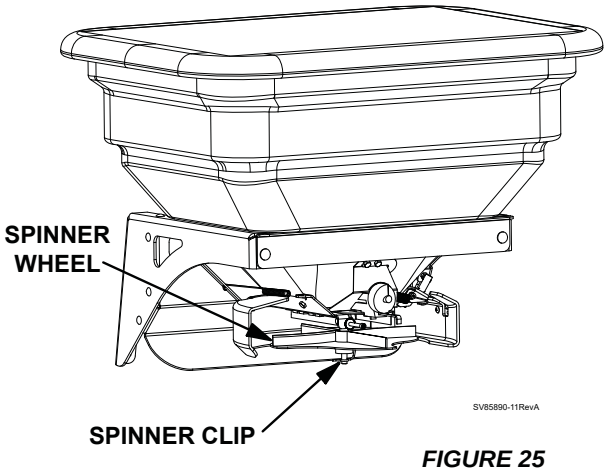


FIGURE 25

Storage

TO STORE THE T5000 OVER AN EXTENDED PERIOD, perform a complete inspection. Refer any needed service or repair to service level personnel.

- Completely clean the hopper and spinner wheel. Use low pressure wash, DO NOT use high pressure wash.
- Perform a complete lubrication procedure.
- Lubricate engine in accordance with the engine manufacturers instruction.
- Lubricate all grease fittings.
- Empty the engine fuel tank
- Apply a film of light machine oil to the pivot points, ball joints, steering components and engine to control rust.
- Flush and drain the tanks. Leaving caustic products in the system for storage could damage the pump and hoses. *(See Protection Against Freeze Damage in the Winter Storage section)*
- To protect the rubber and plastic parts, store the T5000 out of direct sunlight.

TO RETURN TO SERVICE AFTER EXTENDED STORAGE, inspect the entire machine for any damage that may have occurred during storage.

- Perform a complete lubrication procedure. Lubricate engine in accordance with the engine manufacturers instruction. Refer any needed service or repair to service level personnel.

Winter Storage

Protection Against Freeze Damage

The pump, tanks and spray system must be protected from freezing during storage. Use the following steps-

- Flush the entire spray system with clean water. Run the pump until the tanks are completely empty and water no longer sprays from the tips and the hand held wand.
- Stop the engine and remove the cap from the strainer. Allow any water to drain from the pump and hoses. Replace the cap.
- Put 1 gallon of RV antifreeze in each tank.

DANGER

TANKS MUST BE FLUSHED WITH WATER. DO NOT PUT ANTIFREEZE IN WITH CHEMICAL OR FERTILIZER AS A CHEMICAL REACTION CAN OCCUR. CHEMICAL REACTIONS CAN RELEASE HARMFUL AND TOXIC GASSES.

- Run the pump to circulate the antifreeze in the system.
- Open each valve one at a time until antifreeze sprays from the tips. Use the hand held spray wand until antifreeze sprays from the tip.

  Do not spray out all of the RV antifreeze, allow antifreeze to remain in strainer cap, pump, controls and tanks.

Lubrication

ENGINE AND TRANSAXLE *(See Figure 26)*

Engine: **CHECK OIL LEVELS DAILY.** Follow the engine manufacturer's manual for intervals of oil change, oil filter replacement, proper oil types, and fill levels for the engine. Inspect and clean/replace the engine air filter as needed.

Engine Carburetor Linkages and Springs: **CLEAN AND LUBRICATE WEEKLY.** Clean and remove fertilizer dust from the linkages, governor springs, choke linkage on the carburetor with carb cleaner. Lightly lubricate to protect from rust. Wipe away excess lubrication that will attract and collect dust, dirt and debris.

Transaxle: Check the level of fluid in the transaxle reservoir. Fill only to the "Full Cold" level mark on the reservoir (located very low on reservoir). Use John Deere Hy-Gard transmission oil for the transaxle. Do not overfill.

Transaxle capacity is 179 fluid ounces (5.3 Liter/5.6 quarts). Add extra to allow for filter and hoses (approximately one quart).

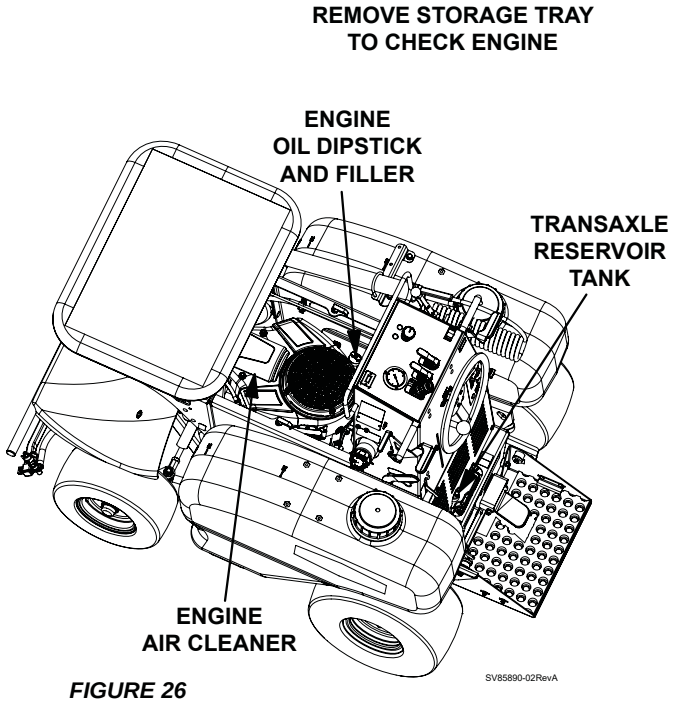


FIGURE 26

GREASE FITTINGS *(See Figure 27)*

Grease Fittings: (qty 5) Grease weekly. Wipe away excess lubrication that will attract and collect dust, dirt and debris.

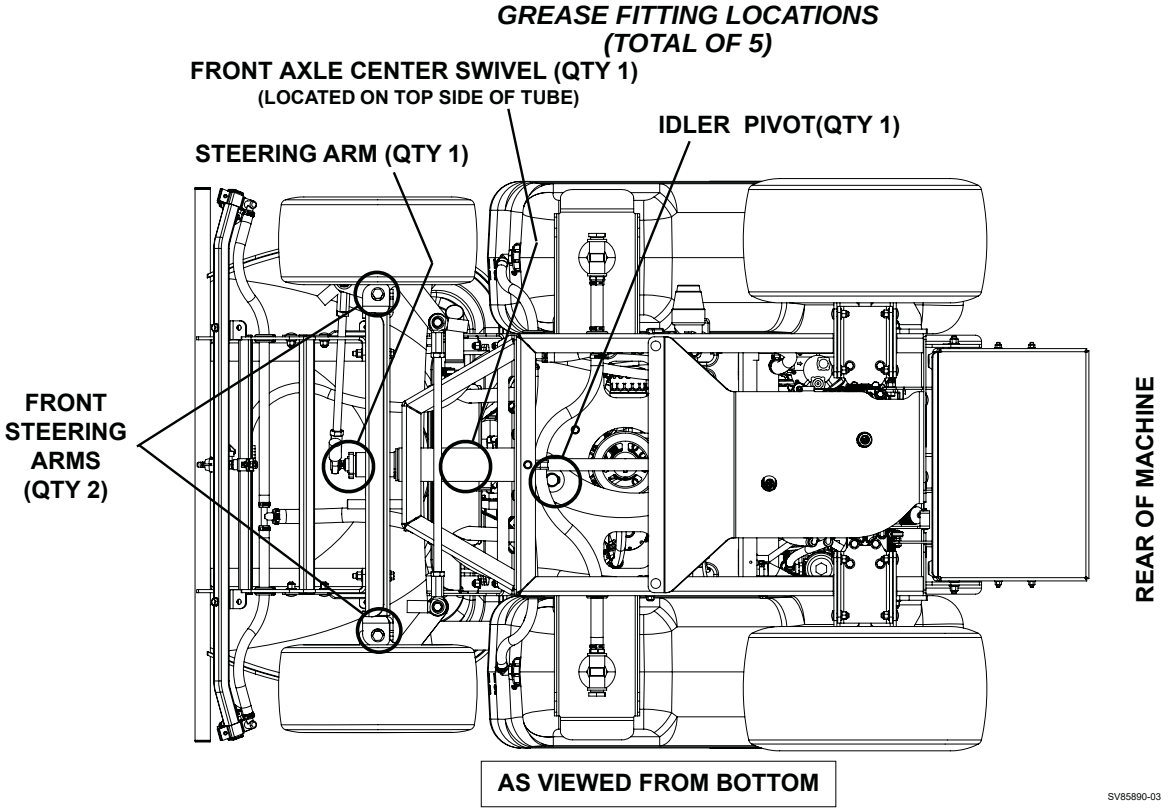


FIGURE 27

Recommended Service Schedule

				PERFORM EVERY			
WHEN TO PERFORM SERVICE	DAILY	WEEKLY	BREAK-IN PERIOD	50 HOURS	100 HOURS	400 HOURS	OFFSEASON
CLEAN OFF FERTILIZER WITH AIR	X						X
IF NECESSARY WASH WITH WATER		X					X
INSPECT HARDWARE	X						X
GREASE FITTINGS (5)		X					X
ENGINE							
CHECK OIL	X						
CHANGE OIL & FILTER			**5 HRS**	X			X
CHECK/CLEAN AIR FILTER		X					
CHANGE AIR FILTER					X		X
CLEAN CARB LINKAGE		X					X
CHANGE SPARK PLUG							X
TRANSAXLE							
CHECK FLUID LEVEL	X						
CHANGE FLUID & FILTER			**75 HRS**			X	X
CHECK TIRE AIR PRESSURE		X					X
CHECK/CLEAN SPRAY NOZZLES		X					X
CLEAN STRAINER		X					X
LUBE HOPPER GATE		X					X
INSPECT V-BELT TENSION		X					X
ADJUST STEERING CHAIN IDLER			**25 HRS**				X
DRAIN FUEL AND ADD FUEL STABILIZER TO GAS TANK							X
EMPTY WATER AND ADD 2 GALLONS OF RV ANTIFREEZE							X
DISCONNECT BATTERY CABLES							X
CHECK V-BELT FOR WEAR, REPLACE IF NEEDED							X
ADJUST PARKING BRAKE							X
CHANGE FUEL FILTER							X
INSPECT HOSES FOR CRACKS, REPLACE IF NEEDED							X

USE A DRY LUBRICANT ON THE SPREADER HOPPER LINKAGES TO AVOID ATTRACTING A BUILDUP OF FERTILIZER, DUST, DIRT, AND DEBRIS ON THE COMPONENTS.

LOCATION OF SPRAY SYSTEM SHUTOFF VALVE AND STRAINER SCREEN
(See Figure 28)

When the handle on the shutoff valve is rotated down, flow from the tanks is stopped (closed).

Remove the strainer cap to access the screen (filter) for cleaning. The cap on the strainer should only be removed when the shutoff valve is closed.

NOTE: When the strainer cap is remove, some fluid from the pump will be present.

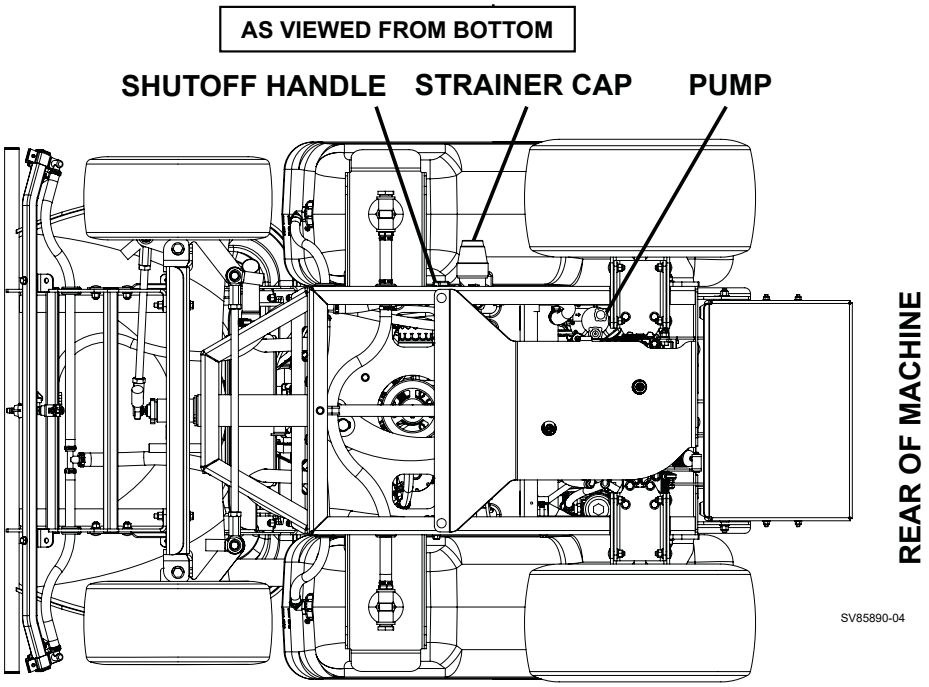


FIGURE 28

ADJUST STEERING CHAIN IDLER SPROCKET
(See Figure 29)

To tighten steering chain, loosen nut on idler sprocket shown.

Rotate steering handle to left to get all the slack in the chain on that sprocket side.

Pull sprocket outward and re-tighten nut.

Chain between idler sprocket should have approximately +/- 1/4” movement.

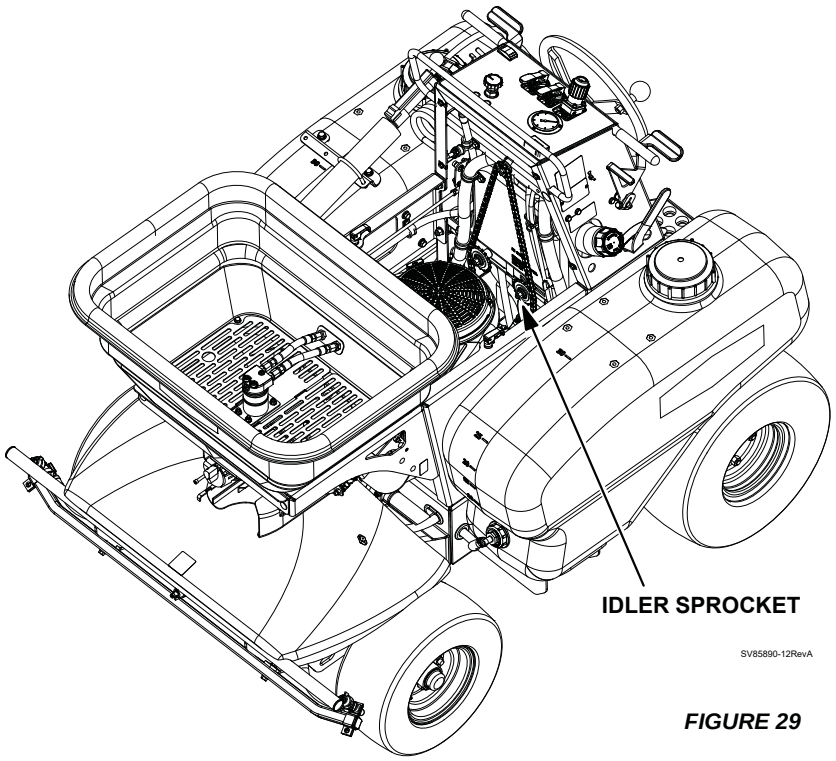


FIGURE 29

V-BELT IDENTIFICATION ***(See Figure 30)***

A. Engine Pulley to Transaxle Pulley - BX-47

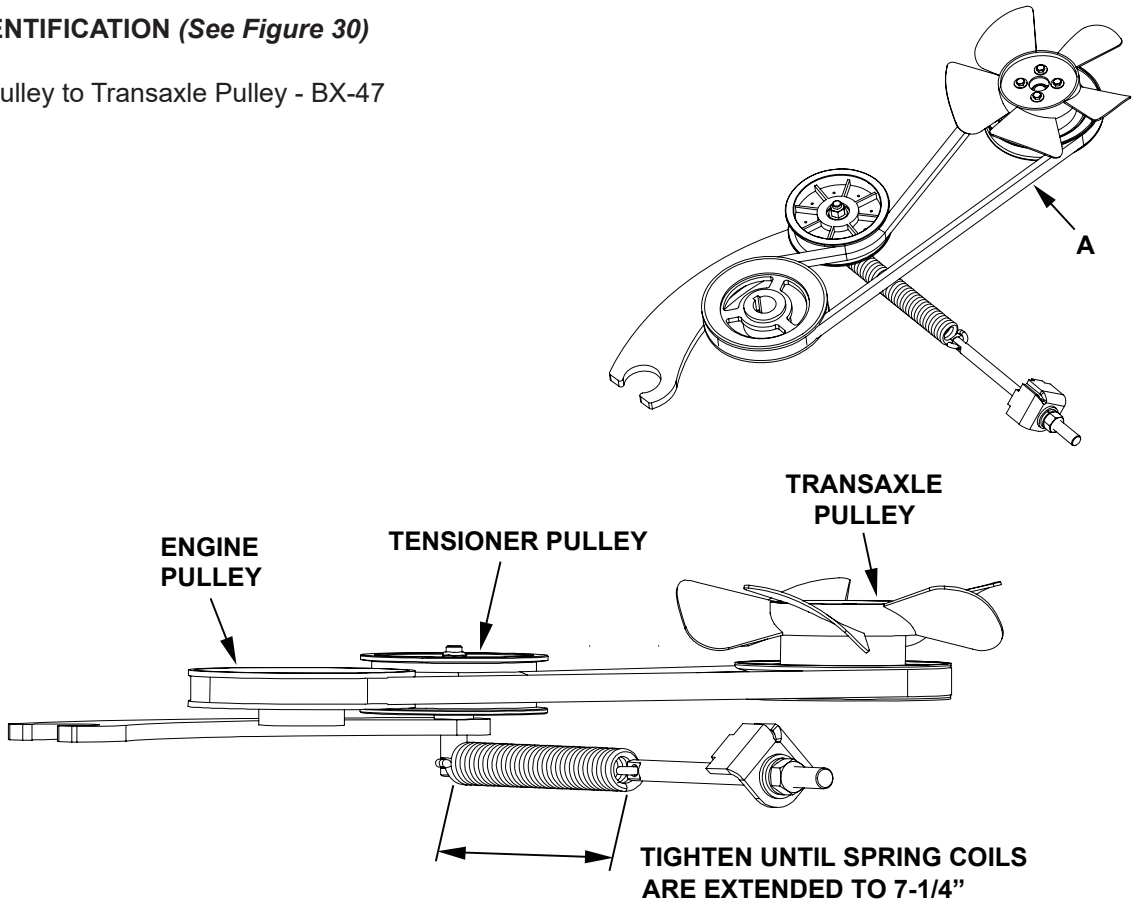


FIGURE 30

Electrical Power Supply Connection

An auxiliary electrical power supply connection is available on T5000 engine that produces DC electrical power. Normal no load voltage range is 13.5 to 16 VDC negative ground. The electrical output will vary with the engine RPM and voltage draw. Output is 16 amp.

The electrical connection is designed to be used to power 12 volt devices (electric motors and motor controls) that are equipped with their own internal electrical protection and regulation to handle the fluctuation in the current.

All Equipment or Devices Connected To The Electrical Power Supply Must Be Turfco Approved Equipment.

CAUTION

DO NOT Use the Power Supply To Power Sensitive Electronic Equipment (Phones, Computers, Etc.).

Power Levels, Power Fluctuation and Spikes Can Occur and Will Damage Sensitive Equipment.

For more information, contact your Briggs and Stratton servicing dealer. Refer to engine model 44C7770010G1.

If the engine fails to provide electrical current -

- Check all electrical connections. Look for corrosion or broken contacts in all connections.
- Check the ground wire at the engine. Wire is connected to the engine case next to the voltage regulator.
- Test for power directly at the voltage regulator. Readings can vary from 13.5 to 16 volts DC.

How To Obtain Parts and Service

Contact TURFCO to order parts or to arrange repair service. For a list of authorized TURFCO dealers in your area, or for additional information regarding TURFCO T5000 APPLICATOR, direct inquiries to TURFCO.

TURFCO
1655 101st Avenue North East
Minneapolis, MN. 55449-4420 USA

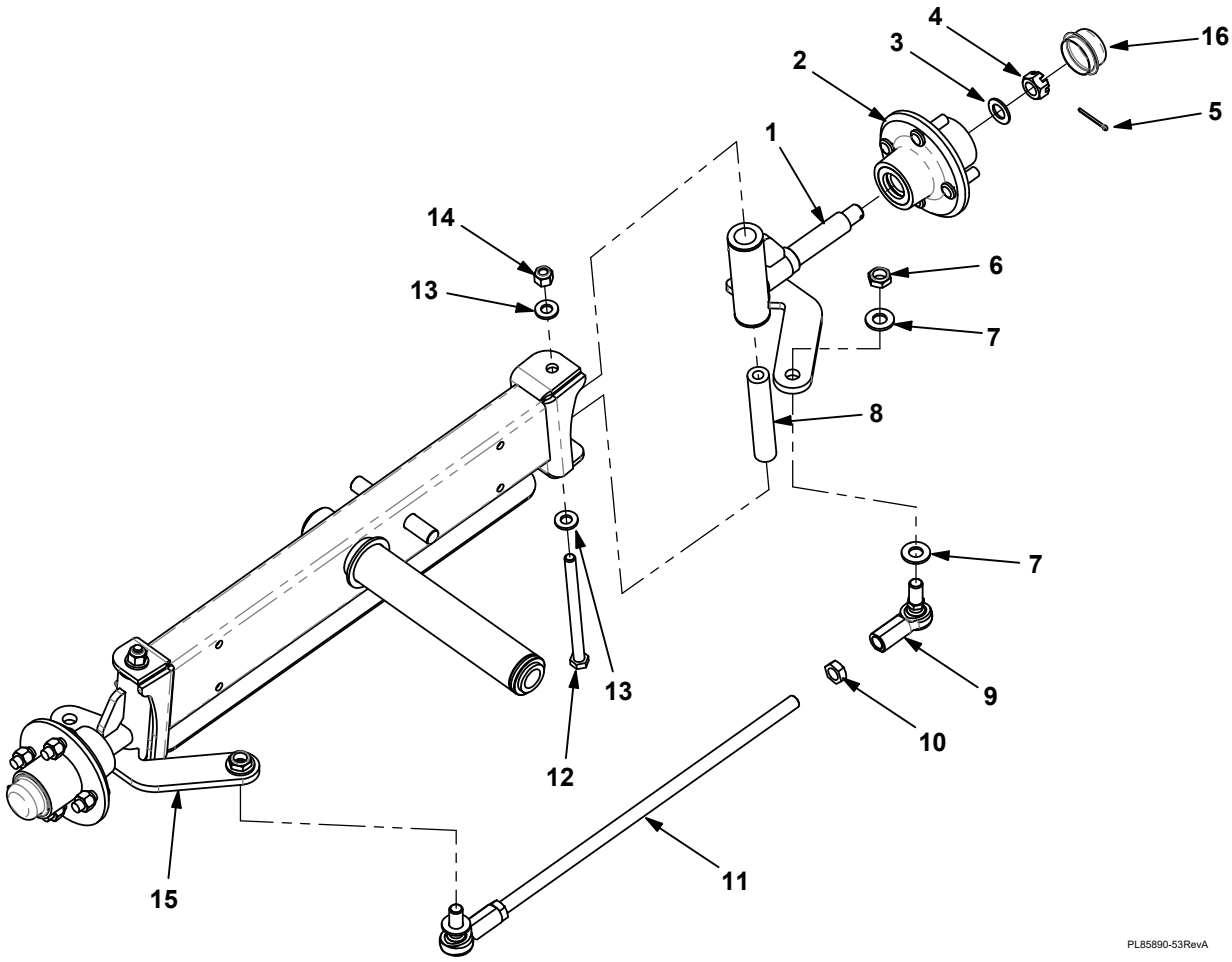
Telephone (763) 785-1000
FAX (763) 785-0556
E-Mail - service@turfco.com
Internet - www.turfco.com

To ensure safety and proper operation, always purchase genuine TURFCO replacement parts from an authorized TURFCO dealer. Replacement parts from other sources may damage the TURFCO T5000 APPLICATOR and/or create a safety hazard. Always refer repairs to properly trained service personnel.

DO NOT ALTER the TURFCO T5000 APPLICATOR in any manner. Unauthorized alterations may affect its operation, performance, and may result in injury or death to the operator as well as other individuals in the work area. ***Unauthorized alterations will void the warranty.***

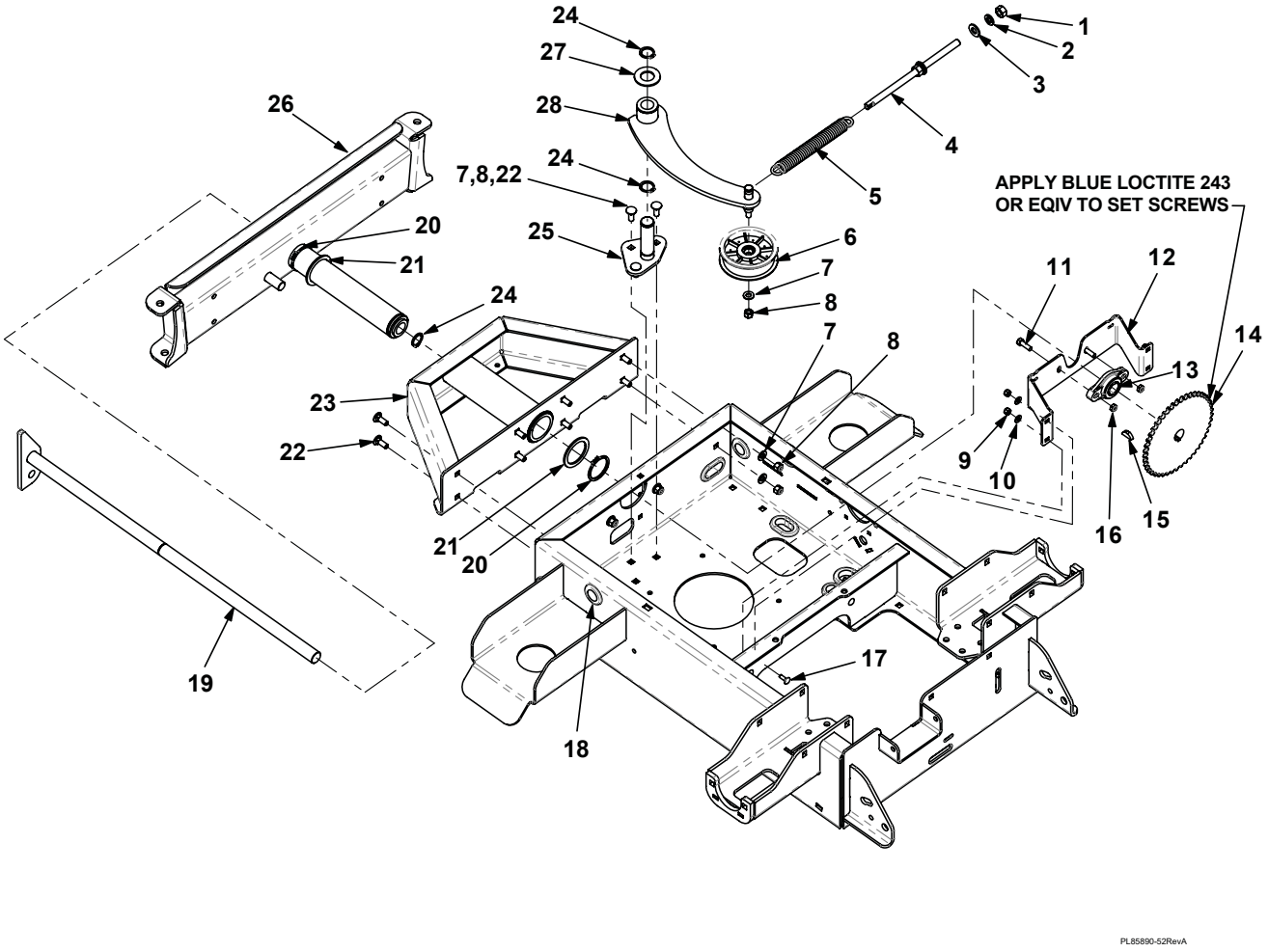
DO NOT ADD equipment or accessories not approved by Turfco Manufacturing. Unauthorized additions of unapproved equipment or accessories may affect its operation, performance, and may result in injury or death to the operator as well as other individuals in the work area. ***Unauthorized additions of unapproved equipment or accessories will void the warranty.***

Front Spindles Assembly



Item No.	Part No.	Description	Qty.
1	671549	ASSEMBLY, FRONT SPINDLE, RH, INCLUDES	1
	471214	LUBE FITTING, 1/4-28 STRAIGHT, INCLUDES	1
2	671558	ASSEMBLY, WHEEL HUB, 4 BOLT	2
	672294	BOLT, LUG, 1/2-20 X 1-9/16 LG	4
3	660836	WASHER, FLAT (.765 X 1.312 X .090)	2
4	445691	NUT, HEX, 3/4-16, SLOTTED	2
5	460032	PIN, COTTER, 1/8 X 1.50	2
6	302700	NUT, HEX, 5/8-18, NYLOC, THIN, SST	2
7	303085	WASHER, FLAT, 5/8 SAE, .656 X 1.312 X .097, SST	4
8	671559	SPACER, FRONT SPINDLE	2
9	671570	ROD END, 5/8-18 FEMALE	2
10	302705	NUT, HEX, 5/8-18, JAM, SST	2
11	671568	TIE ROD, LONG	1
12	300570	SCREW, CAP, 1/2-13 X 7.00, HEX HD, SST	2
13	303080	WASHER, FLAT, .531 ID X 1.06 OD X .097 THK SST	4
14	302510	NUT, HEX, 1/2-13, NYLOCK, SST	2
15	671885	ASSEMBLY, FRONT SPINDLE, LH, INCLUDES	1
	471214	LUBE FITTING, 1/4-28 STRAIGHT	1
16	672295	DUST CAP, AXLE	2

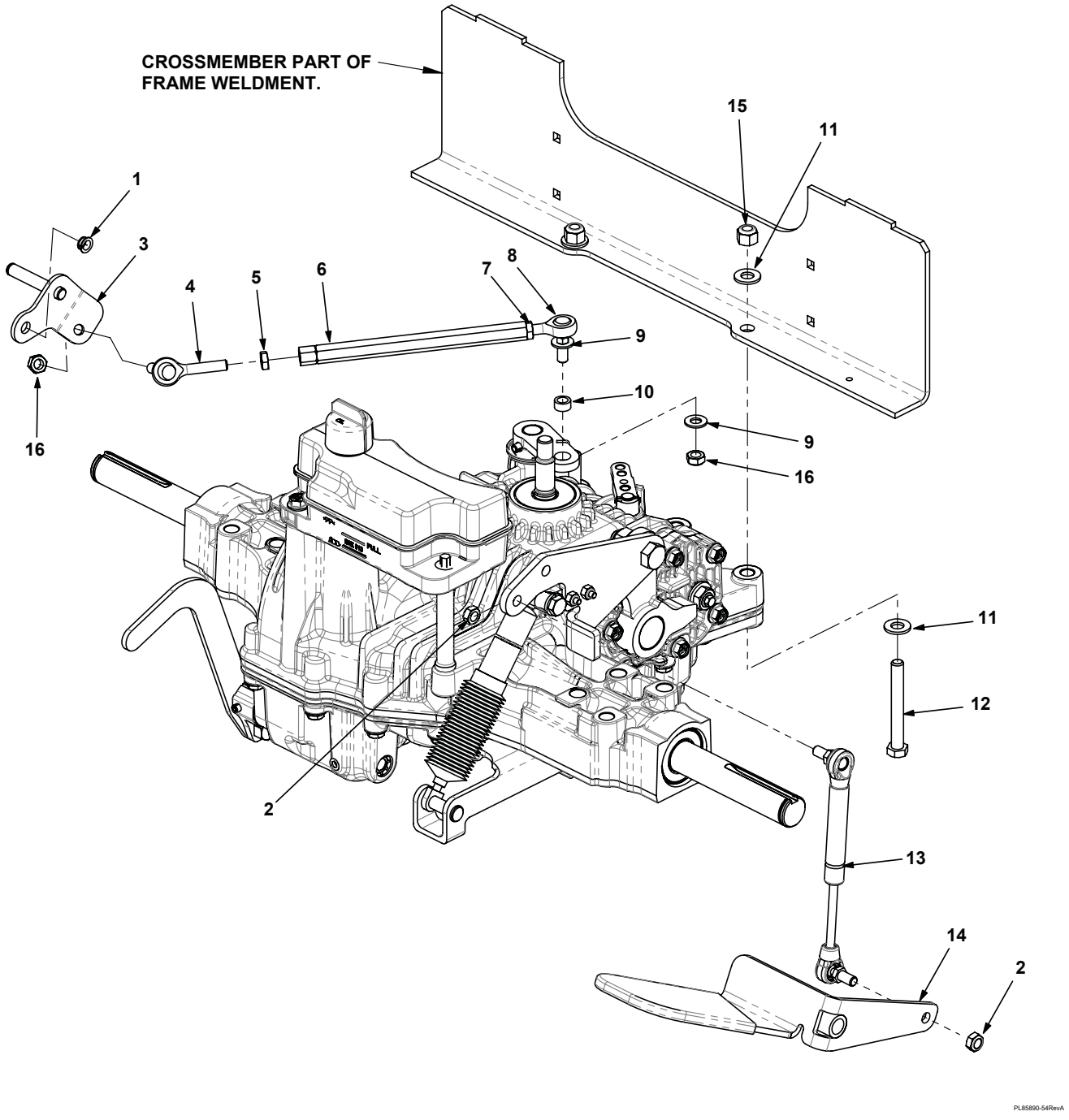
Steering Shaft & Idler Pulley Assembly



Steering Shaft & Idler Pulley Assembly

Item No.	Part No.	Description	Qty.
1	302505	NUT, HEX, 1/2-13, FULL, SST	2
2	303315	WASHER, LOCK, 1/2, SPRING, MEDIUM, SST	2
3	303080	WASHER, FLAT, .531 ID X 1.06 OD X .097 THK SST	2
4	671945	ROD, IDLER SPRING TENSIONER	1
5	671946	SPRING, EXTENSION, 1.031 OD X 8.13 LG	1
6	671869	PULLEY, IDLER, 17mm BORE, SST BEARING	1
7	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	12
8	302310	NUT, NYLOC, 3/8-16, SST	12
9	302110	NUT, 1/4-20 NYLOCK, SST	4
10	303010	WASHER, FLAT, .281 ID X .63 OD, SST	4
11	300220	SCREW, CAP, 5/16-18 X 1, HEX HD, SST	2
12	671953	MOUNT, LOWER STEERING BEARING	1
13	671680	BEARING, FLANGE, SPHERICAL, 1.0 BORE, 2 BOLT	1
14	671952	SPROCKET, 40B45 X 1.0 BORE, 1/4 KEYWAY, INCLUDES	1
	415553	SCREW, SET, 5/16-18 X 5/16	2
15	463031	KEY, WOODRUFF, 1/4” X 1”	1
16	302212	NUT, HEX, 5/16-18, NYLOC, THIN, SST	2
17	301111	BOLT, CARR, 1/4-20 X 3/4, SST	4
18	671411	GROMMET, RUBBER, 1.00 ID X 1.75 OD X .63 THK	2
19	671878	ASSEMBLY, LOWER STEERING SHAFT, INCLUDES	1
	471214	LUBE FITTING, 1/4-28 STRAIGHT	1
20	663631	RING, RETAINING, EXTERNAL RING. 2.00	2
21	671535	WASHER, FRONT PIVOT	2
22	301315	BOLT, CARR, 3/8”-16 X 1”, SST	11
23	671947	ASSEMBLY, FRONT PIVOT FRAME	1
	471215	LUBE FITTING, 1/4-28, 45 DEG	1
24	671726	RING, RETAINING, EXTERNAL, 1.00, HEAVY DUTY	3
25	671941	WELDMENT, IDLER ARM PIVOT	1
26	671882	ASSEMBLY, FRONT AXLE PIVOT, INCLUDES	1
	671678	BEARING, FLANGE IGLIDE, 1.0 BORE X1.25 OD X 3/4 LG	2
27	303190	WASHER, THRUST, 1.062 ID X 2.00 OD X .125T, SST	1
28	671936	ASSEMBLY, IDLER ARM, INCLUDES	1
	471214	LUBE FITTING, 1/4-28 STRAIGHT	1

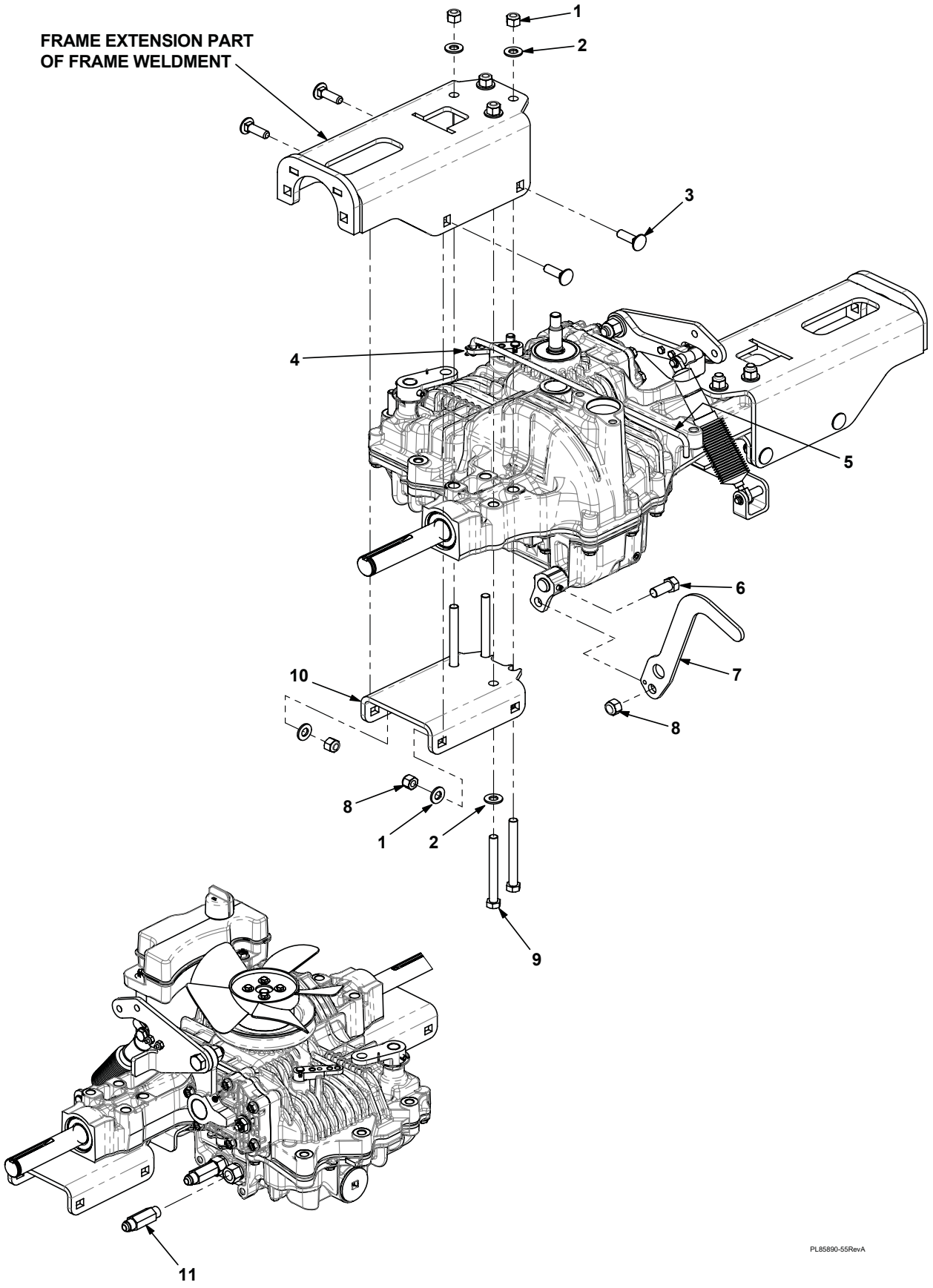
Brake & Foot Pedal Assembly



Brake & Foot Pedal Assembly

Item No.	Part No.	Description	Qty.
1	667140	BEARING, IGLIDE CLIP 5/16” I.D.	1
2	302212	NUT, HEX, 5/16-18, NYLOC, THIN, SST	2
3	671926	WELDMENT, BRAKE PIVOT	1
4	668739	LINKAGE, BALL JOINT, 5/16-24, LH MALE SHANK	1
5	668751	NUT, 5/16-24, JAM, LH THREAD	1
6	671922	SHAFT, HEX, BRAKE LINKAGE	1
7	668744	NUT, 5/16-24, JAM, RH THREAD	1
8	668743	LINKAGE, BALL JOINT, 5/16-24, RH MALE SHANK & STUD	1
9	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	2
10	671525	SPACER, .500 OD X .334 ID X .260 LG	1
11	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	4
12	300345	SCREW, CAP, 3/8-16 X 3.00, HEX HD, SST	2
13	668786	ASSEMBLY, GAS SPRING, SPEED CONTROL	1
14	671923	WELDMENT, FOOT PEDAL	1
15	302310	NUT, NYLOC, 3/8-16, SST	2
16	302213	NUT, NYLOC, 5/16-24,SST	2

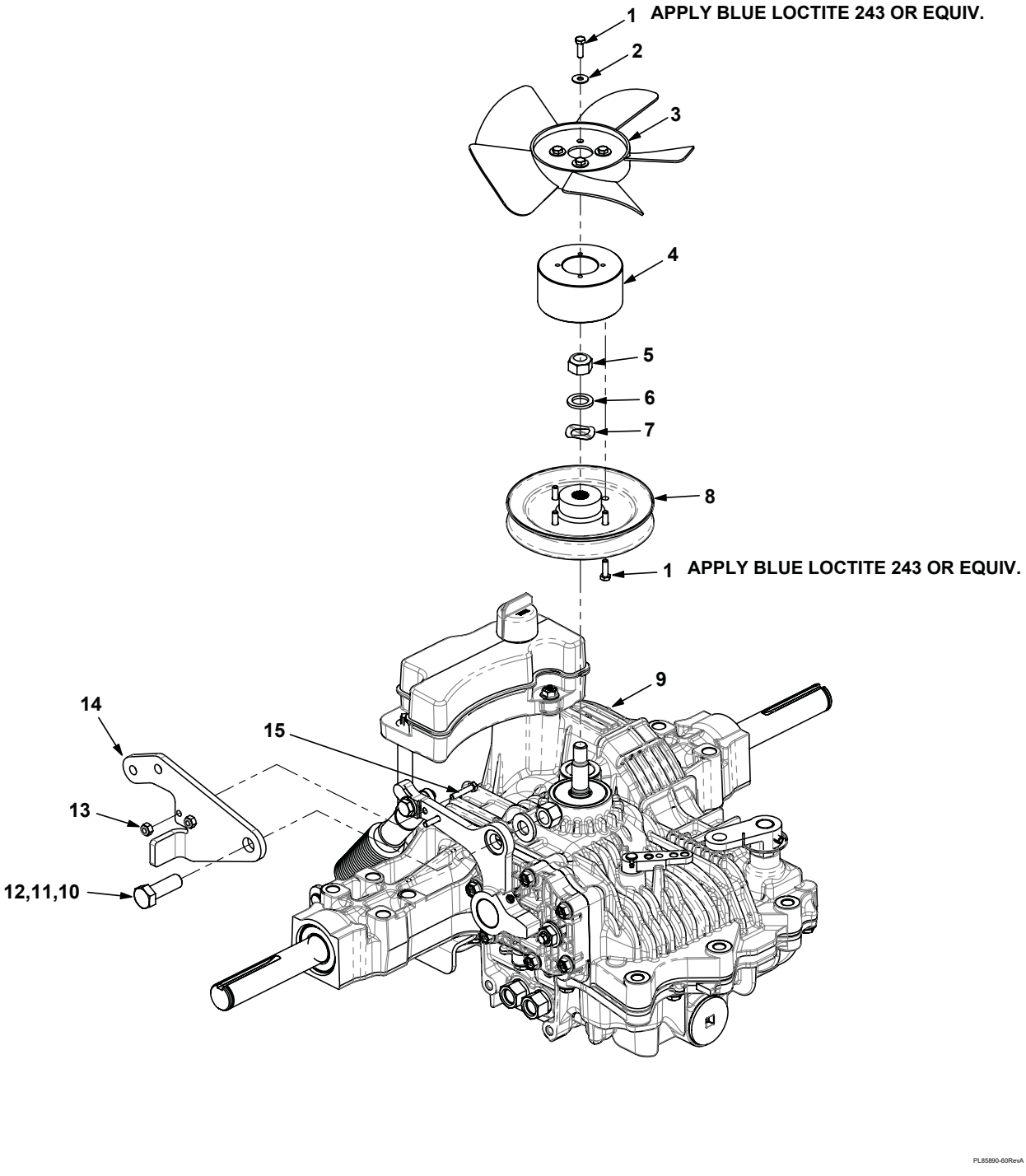
Transaxle Assembly



Transaxle Assembly

Item No.	Part No.	Description	Qty.
1	302310	NUT, NYLOC, 3/8-16, SST	16
2	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SS	20
3	301317	BOLT, CARR, 3/8”-16 X 1 1/4 LG, SST	8
4	304005	PIN, COTTER, .063 DIA X .5 LG, SST	2
5	671876	ROD, FREEWHEEL	1
6	300420	SCREW, CAP, 7/16-14 X 1.00, HEX HD, SST	1
7	672146	LEVER, DIFFERENTIAL LOCK	1
8	302410	NUT, NYLOC, 7/16-14 UNC-2B, SST	1
9	300355	SCREW, CAP, 3/8-16 X 3-1/2, HEX HD, SST	8
10	671586	BRACKET, STIFFENER, TRANSAXLE	2
11	671975	ADAPTER, 9/16-18 MALE O-RING X 9/16-18 MJIC	2

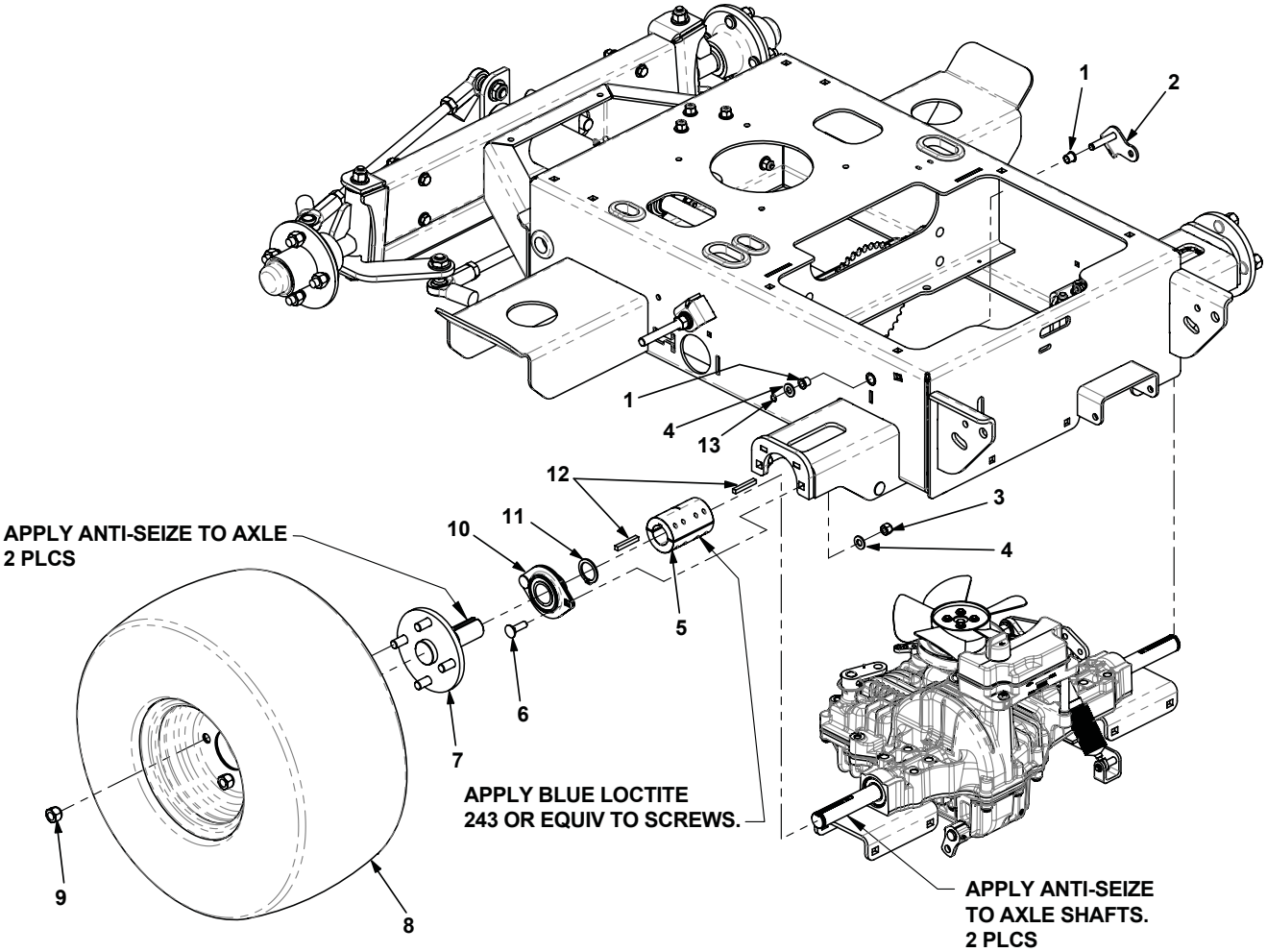
Rear End Assembly



Rear End Assembly

Item No.	Part No.	Description	Qty.
1	300056	SCREW, CAP, 10-24 X 5/8, HEX HD, SST	8
2	303005	WASHER, .56 OD X .203 ID X .040T, SST.	4
3	671495	FAN, TRANSAXLE, 8” CCW	1
4	671875	HUB, TRANSAXLE FAN	1
5	302915	NUT, HEX, M12 X 1.75, NYLOC, SST	1
6	671874	SPACER, TRANSAXLE PULLEY	1
7	671497	WASHER, WAVE, TRANSAXLE	1
8	671872	PULLEY, TRANSAXLE, MODIFIED	1
9	671489	TRANSAXLE, T5000, INCLUDES	1
	672298	FILTER, RESERVOIR CAP	1
	672299	CAP, RESERVOIR	1
10	302510	NUT, HEX, 1/2-13, NYLOCK, SST	1
11	303080	WASHER, FLAT, .531 ID X 1.06 OD X .097 THK SST	1
12	300525	SCREW, CAP, 1/2-13 X 1-1/2, HEX HD, SST	1
13	302055	NUT, NYLOC, 10-24, SST	2
14	671871	BRACKET, TRANSAXLE LINKAGE	1
15	300064	SCREW, HEX HD, 10-24 X 1.0, SST	2

Rear Final Drive Assembly

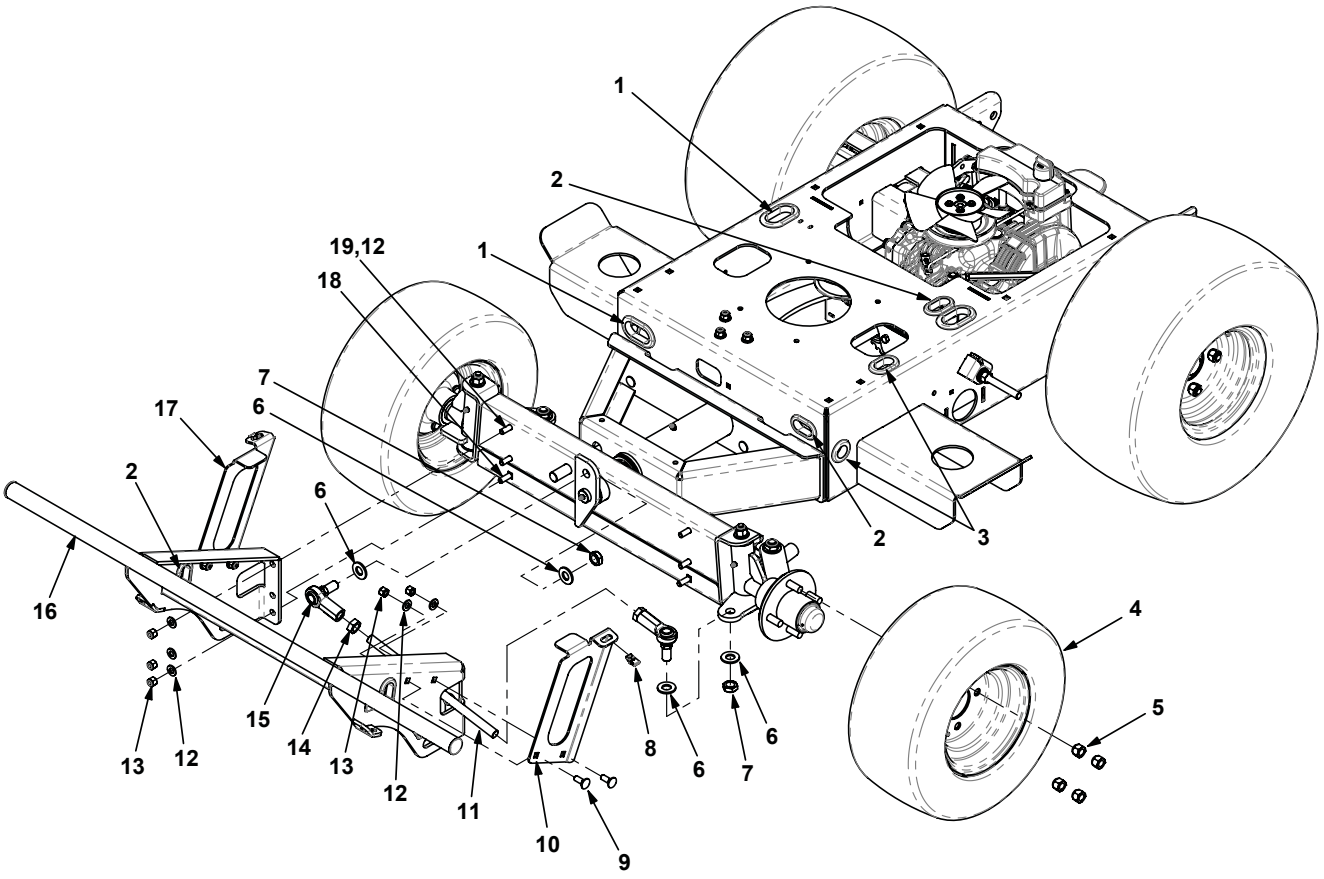


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Rear Final Drive Assembly

Item No.	Part No.	Description	Qty.
1	667429	BEARING, FLANGED IGLIDE	2
2	671926	WELDMENT, BRAKE PIVOT	1
3	302310	NUT, NYLOC, 3/8-16, SST	4
4	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	5
5	671524	COUPLER, SPLIT	2
6	301317	BOLT, CARR, 3/8”-16 X 1 1/4 LG, SST	4
7	671520	ASSEMBLY, AXLE, REAR WHEEL, INCLUDES	2
	667235	STUD,WHEEL, 1/2-20UNF, COATED	4
8	671502	WHEEL & TIRE, 20 X 10.5 X 8, 4 PLY	2
9	667239	NUT, LUG 1/2-20 UNF, COATED	8
10	658541	BEARING, 1-1/4” BORE, INCLUDES FLANGETTES	2
11	661320	RING, RETAINING, 1-1/4”	2
12	668885	KEY, SQ, 1/4 X 1 3/4	4
13	458001	RING, RETAINING, 3/8 EXTERNAL SHAFT	1

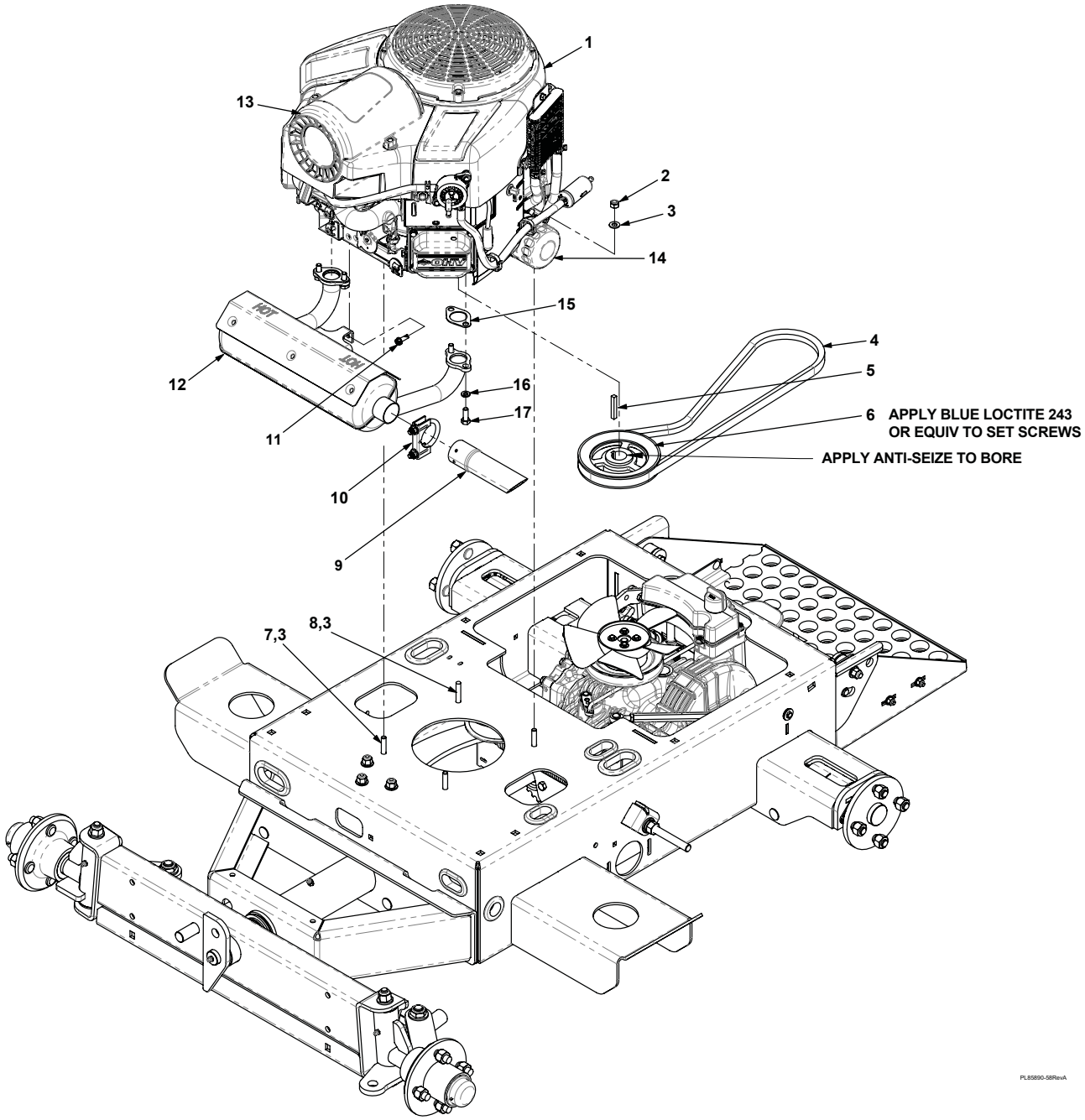
Bumper Assembly



Bumper Assembly

Item No.	Part No.	Description	Qty.
1	671725	GROMMET, RUBBER 2.00 ID X 2.75 OD X .56 THK	3
2	671976	GROMMET, RUBBER, 1.5 ID X 2.13 OD X .63 THK	4
3	671411	GROMMET, RUBBER, 1.00 ID X 1.75 OD X .63 THK	3
4	671557	WHEEL & TIRE, 16 X 7.5 X 8, 4 PLY	2
5	667239	NUT, LUG 1/2-20 UNF, COATED	8
6	303085	WASHER, FLAT, 5/8 SAE, .656 X 1.312 X .097, SST	4
7	302700	NUT, HEX, 5/8-18, NYLOC, THIN, SST	2
8	304014	NUT, 1/4 - 20 “U” TYPE (MULTI - THREAD)	2
9	301315	BOLT, CARR, 3/8”-16 X 1”, SST	4
10	671920	MOUNT, SHROUD, LH	1
11	671569	TIE ROD, SHORT	1
12	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	14
13	302310	NUT, NYLOC, 3/8-16, SST	10
14	302705	NUT, HEX, 5/8-18, JAM, SST	2
15	671570	ROD END, 5/8-18 FEMALE	2
16	672077	ASSEMBLY, BUMPER, T5000, INCLUDES	1
	671724	PLUG, ROUND, PLASTIC, 1-1/4 X 11 GA, BLACK	2
	672074	PLUG, SQUARE, PLASTIC, 1 X 11 GA, BLACK	4
17	671919	MOUNT, SHROUD, RH	1
18	301317	BOLT, CARR, 3/8”-16 X 1 1/4 LG, 304 SST	2
19	300345	SCREW, CAP, 3/8-16 X 3.00, HEX HD, SST	4

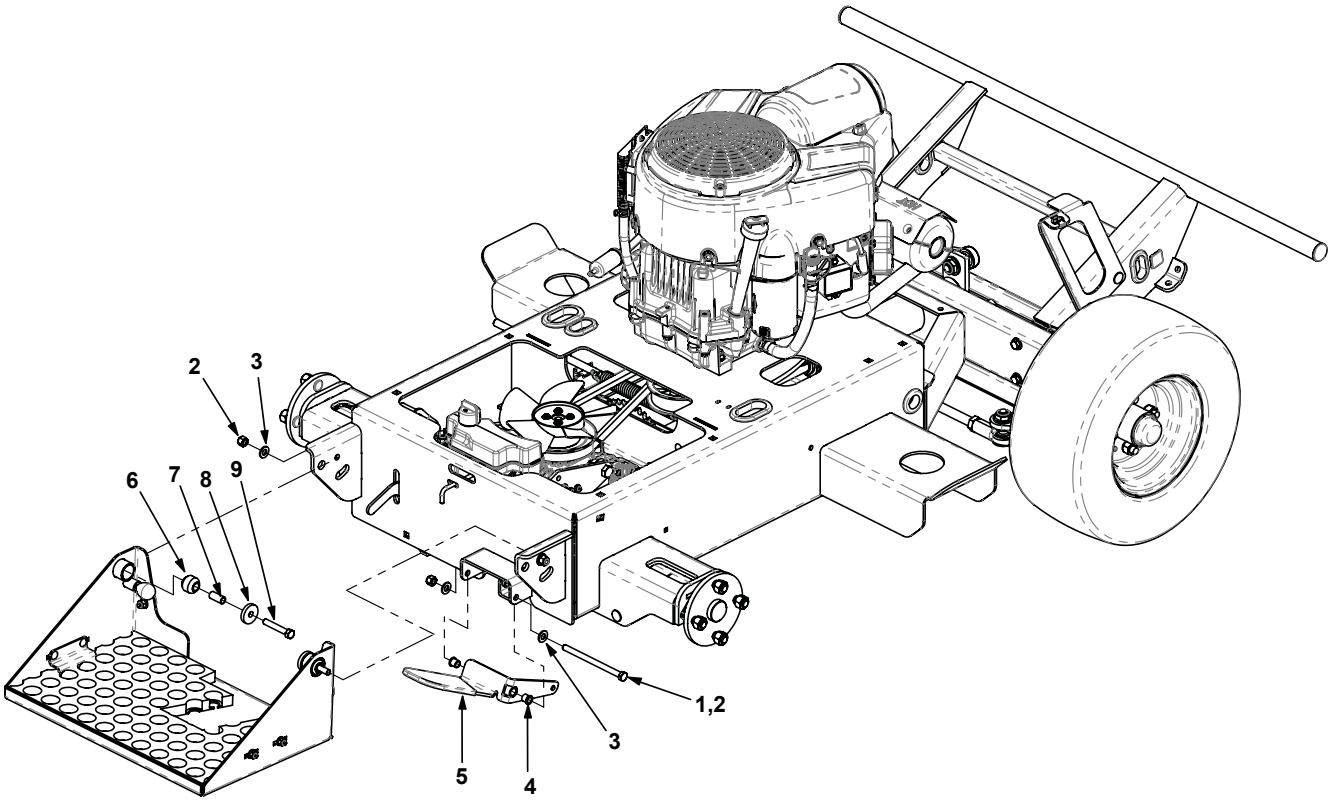
Engine & Exhaust Assembly

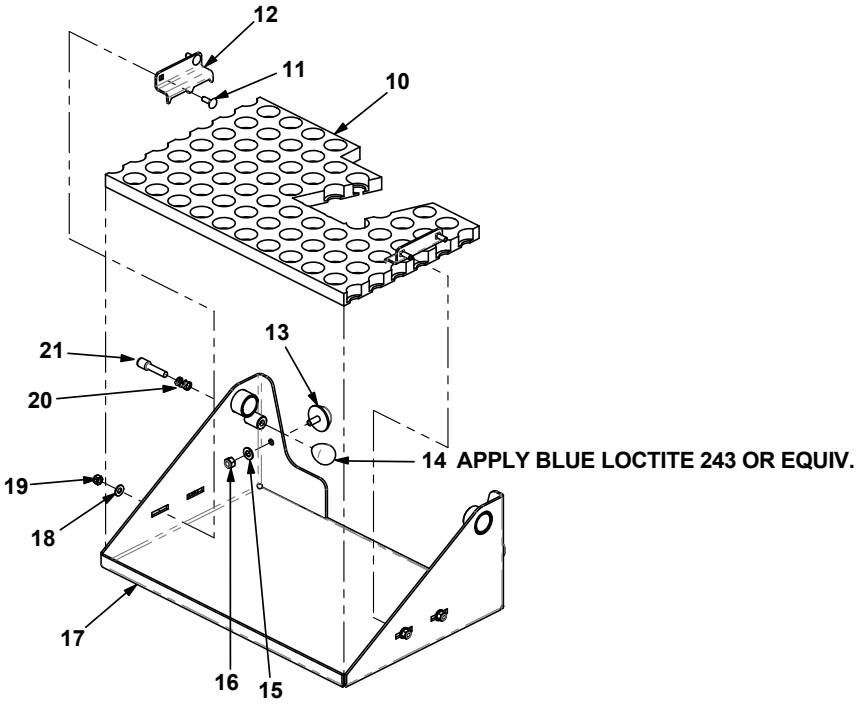


Engine & Exhaust Assembly

Item No.	Part No.	Description	Qty.
1	671017	ENGINE, BRIGGS AND STRATTON, 724cc	1
2	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	4
3	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	8
4	671944	V-BELT, BX-47	1
5	668885	KEY, SQ, 1/4 X 1 3/4	1
6	671929	PULLEY, BK-57 X 1.00 BORE, 1/4 KW, INCLUDES	1
	415553	SCREW, SET, 5/16-18 X 5/16	2
7	300225	SCREW, CAP, 5/16-18 X 1-1/2, HEX HD, SST	3
8	300230	SCREW, CAP, 5/16-18 X 1-3/4, HEX HD, SST	1
9	671534	PIPE, EXHAUST EXTENSION	1
10	672195	CLAMP, EXHAUST, U-BOLT, 5/16 X 1-1/2” ID, SST	1
11	657142	SCREW, THREAD CUTTING, TYPE 23, 1/4-20 X 3/4,	1
12	670599	WELDMENT, MUFFLER	1
13	670612	FILTER, AIR	1
14	670611	FILTER, ENGINE OIL	1
15	670614	GASKET, EXHAUST	2
16	446134	WASHER, LOCK, 5/16	2
17	400186	SCREW, CAP, 5/16-18 X7/8, HEX HD	2

Operator Platform Assembly





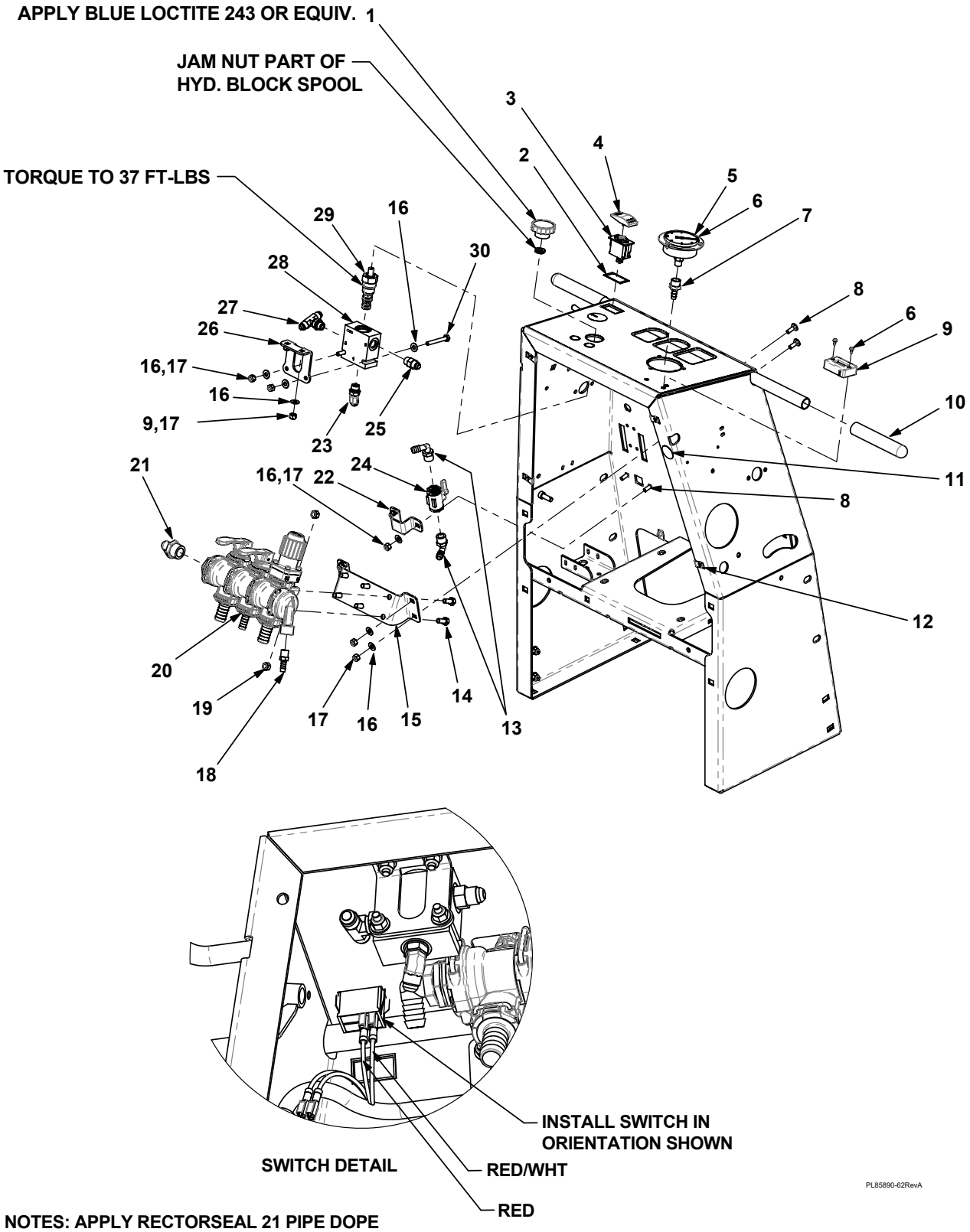
OPERATOR PLATFORM

PL85890-59RevA

Operator Platform Assembly

Item No.	Part No.	Description	Qty.
1	300365	SCREW, CAP, 3/8-16 X 5-1/2, HEX HD, SST	1
2	302310	NUT, NYLOC, 3/8-16, SST	3
3	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	4
4	667429	BEARING, FLANGED IGLIDE	2
5	671923	WELDMENT, FOOT PEDAL	1
6	667151	ISOLATOR, OPERATOR PLATFORM	2
7	667152	BUSHING, OPERATOR PLATFORM	2
8	667147	SPACER, PLATFORM	2
9	300340	SCREW, CAP, 3/8-16 X 2-1/4, HEX HD, SST	2
10	671957	MAT, OPERATOR PLATFORM	1
11	301111	BOLT, CARR, 1/4-20 X 3/4, SST	4
12	671582	HOLD DOWN, MAT	2
13	667150	STOP, OPERATOR PLATFORM	2
14	665338	KNOB, SEED, GATE	1
15	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	2
16	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	2
17	671955	WELDMENT, OPERATOR PLATFORM	1
18	303010	WASHER, FLAT, .281 ID X .63 OD, SST	4
19	302110	NUT, 1/4-20 NYLOCK, SST	4
20	670310	SPRING, COMPRESSION, .416 ID, SST	1
21	670309	PIN, OPERATOR PLATFORM STOP	1

Controls & Gauges Assembly

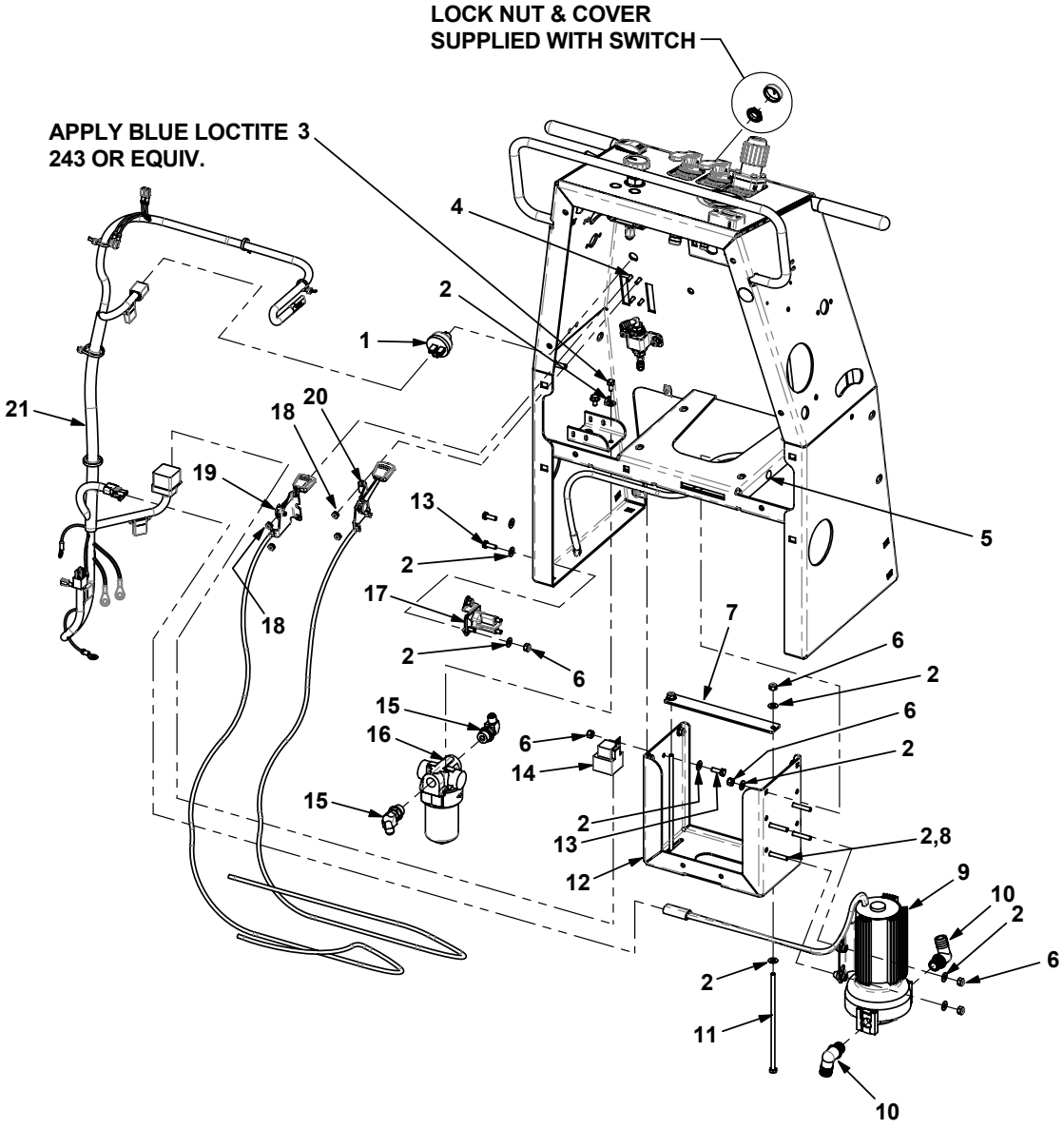


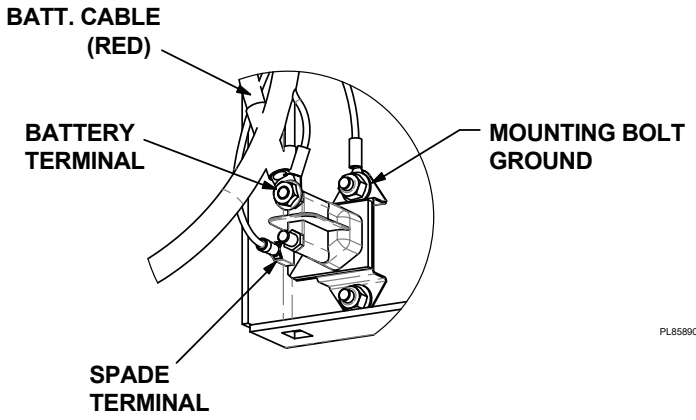
NOTES: APPLY RECTORSEAL 21 PIPE DOPE OR EQUIV. TO ALL PLASTIC PIPE THREAD FITTINGS.

Controls & Gauges Assembly

Item No.	Part No.	Description	Qty.
1	672137	KNOB, FLOW CONTROL	1
2	658156	GASKET, ROCKER SWITCH	1
3	658150	SWITCH, ROCKER BODY	1
4	658155	SWITCH ROCKER, ACTUATOR	1
5	672102	GAUGE, SPRAY PRESSURE, 0-60 PSI	1
6	300030	SCREW, PAN PHILLIPS, #6 X 3/8 SELF TAP - SST	5
7	671104	ADAPTER, 1/4 FNPT X 3/8 HOSE BARB	1
8	301111	BOLT, CARR, 1/4-20 X 3/4, SST	6
9	667350	HOURMETER	1
10	667386	GRIP, HAND REST	2
11	658647	PLUG	1
12	304014	NUT, 1/4 - 20 “U” TYPE (MULTI - THREAD)	4
13	672037	ELBOW, 90 DEG, 3/8 MNPT X 3/8 HOSE BARB	2
14	300215	SCREW, CAP, 5/16-18 X 3/4 SST	6
15	672019	MOUNT, MANIFOLD	1
16	303010	WASHER, FLAT, .281 ID X .63 OD, SST	12
17	302110	NUT, 1/4-20 NYLOCK, SST	10
18	672035	ADAPTER, 1/4 MNPT X 3/8 HOSE BARB	1
19	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	6
20	672024	MANIFOLD, SPRAY, w/REGULATOR, INCLUDES	1
	672025	FITTING, 1/2”	2
	672026	FITTING, 3/4”	1
	672049	FORK	6
	672051	VALVE	2
	672052	REGULATOR	1
	672053	O-RING	6
21	670832	ELBOW, 90 DEG, 3/4 MNPT X 3/4 HOSE BARB	1
22	671652	MOUNT, VALVE	1
23	665680	ELBOW, 45 DEG, 9/16-18 SAE ORING X 9/16-18 JIC	1
24	672020	VALVE, BALL, 3/8 FNPT	1
25	657660	ADAPTER, 9/16-18 MALE O-RING/9/16-18 37° FLARE	1
26	672038	MOUNT, FLOW CONTROL	1
27	672095	TEE, 9/16-18 MJIC X 9/16-18 MALE O-RING	1
28	672083	VALVE BODY, FLOW CONTROL	1
29	672084	FLOW CONTROL, SPINNER SPEED, INCLUDES	1
	672053	SEAL KIT	1
30	300128	SCREW, CAP, 1/4-20 X 2, HEX HD, SST	2

Battery, Pump, Filter & Engine Controls





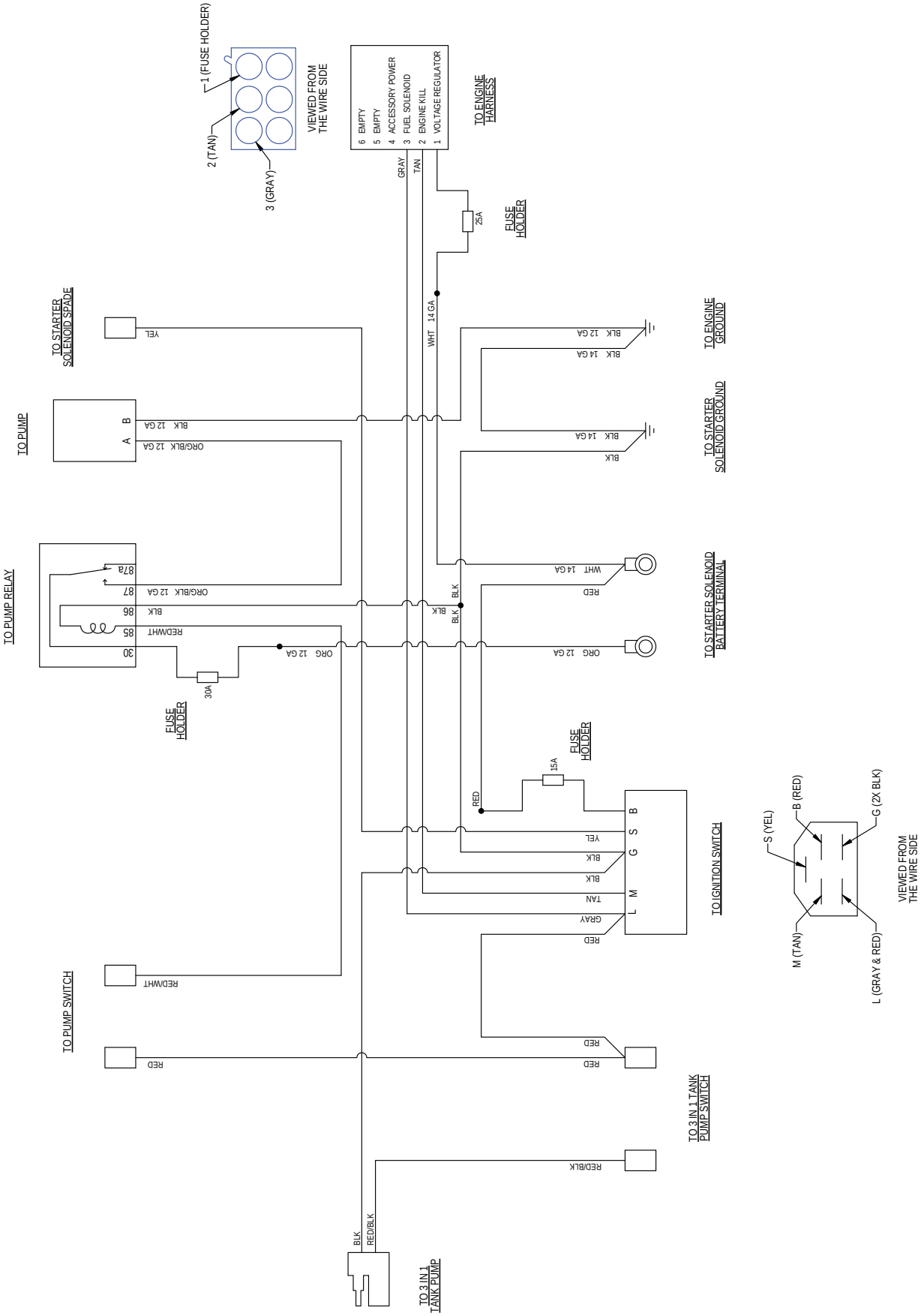
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NOTES: APPLY DI-ELECTRICAL GREASE TO ALL ELECTRICAL CONNECTIONS.

Battery, Pump, Filter & Engine Controls

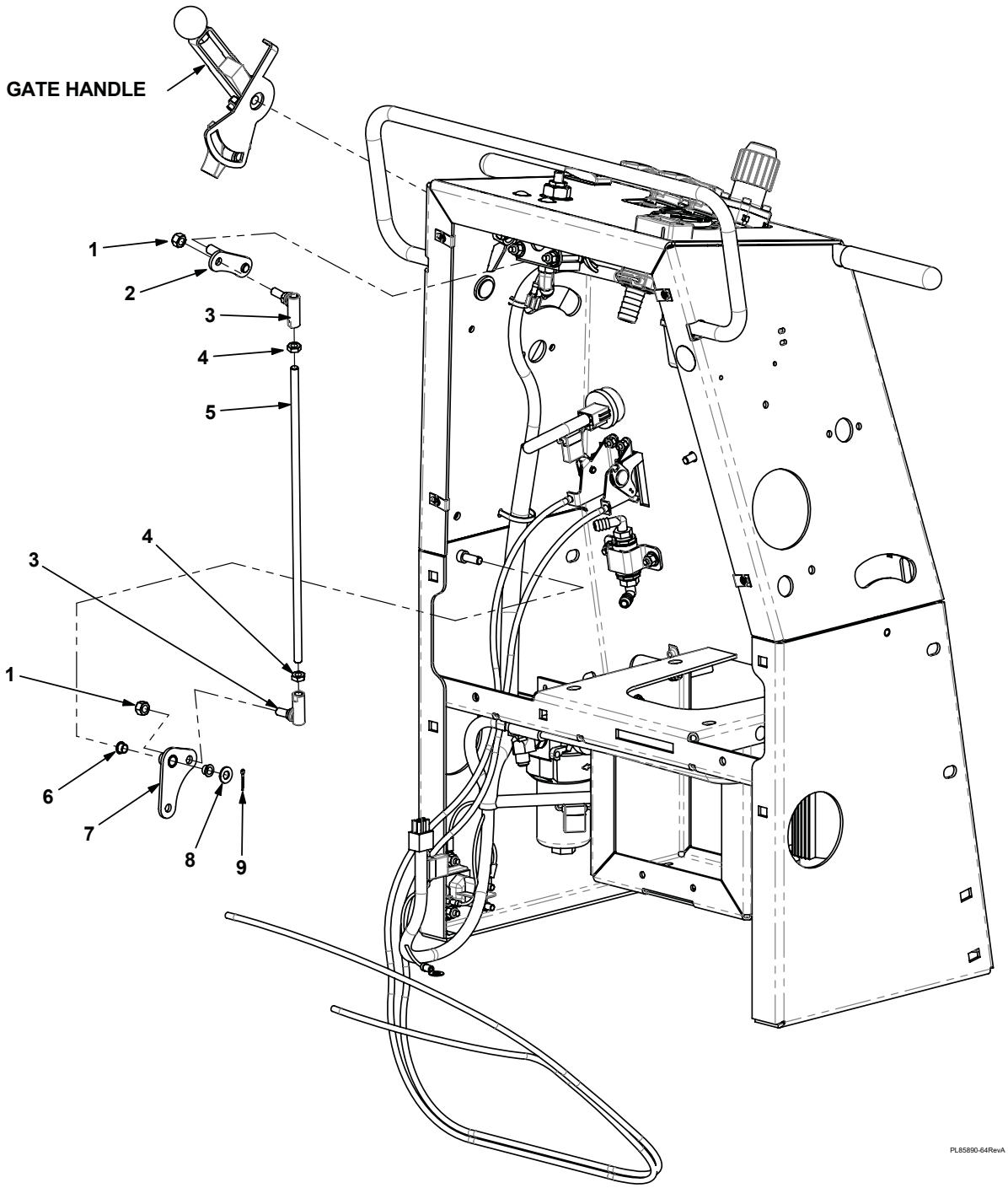
Item No.	Part No.	Description	Qty.
1	669706	SWITCH, IGNITION, 3 POSITION	1
2	303010	WASHER, FLAT, .281 ID X .63 OD, SST	23
3	300105	SCREW, CAP, 1/4-20 X 1/2, HEX HD, SST.	2
4	669691	SCREW, MACH, 10-24 X 5/8, SST, TRUSS HD PHILLIPS	4
5	301111	BOLT, CARR, 1/4-20 X 3/4, SST	4
6	302110	NUT, 1/4-20 NYLOCK, SST.	13
7	668501	BRACKET, BATTERY HOLDDOWN	1
8	300125	SCREW, CAP, 1/4-20 X 1-1/2, HEX HD, SST.	4
9	671994	ASSEMBLY, PUMP, 5 GPM	1
10	671993	ELBOW, 90°, 3/4 QA X 3/4 HOSE BARB	2
11	668552	SCREW, CAP 1/4-20 X 7-1/2	2
12	672039	SUPPORT, BATTERY	1
13	300110	SCREW, CAP, 1/4-20 X .75, SST	3
14	669571	RELAY, ELECTRICAL,	1
15	657538	ELBOW, 3/4-16 MALE O-RING 9/16-18	2
16	671995	FILTER, SPIN-ON, 10 MICRON, INCLUDES	1
	671996	FILTER ELEMENT	1
17	668259	SOLENOID, STARTER	1
18	302055	NUT, NYLOC, 10-24, SST	4
19	670151	CONTROL, LEVER, THROTTLE	1
20	670148	CONTROL, LEVER, CHOKE	1
21	672071	WIRING HARNESS, MAIN, T5000	1

Wiring Harness, Main



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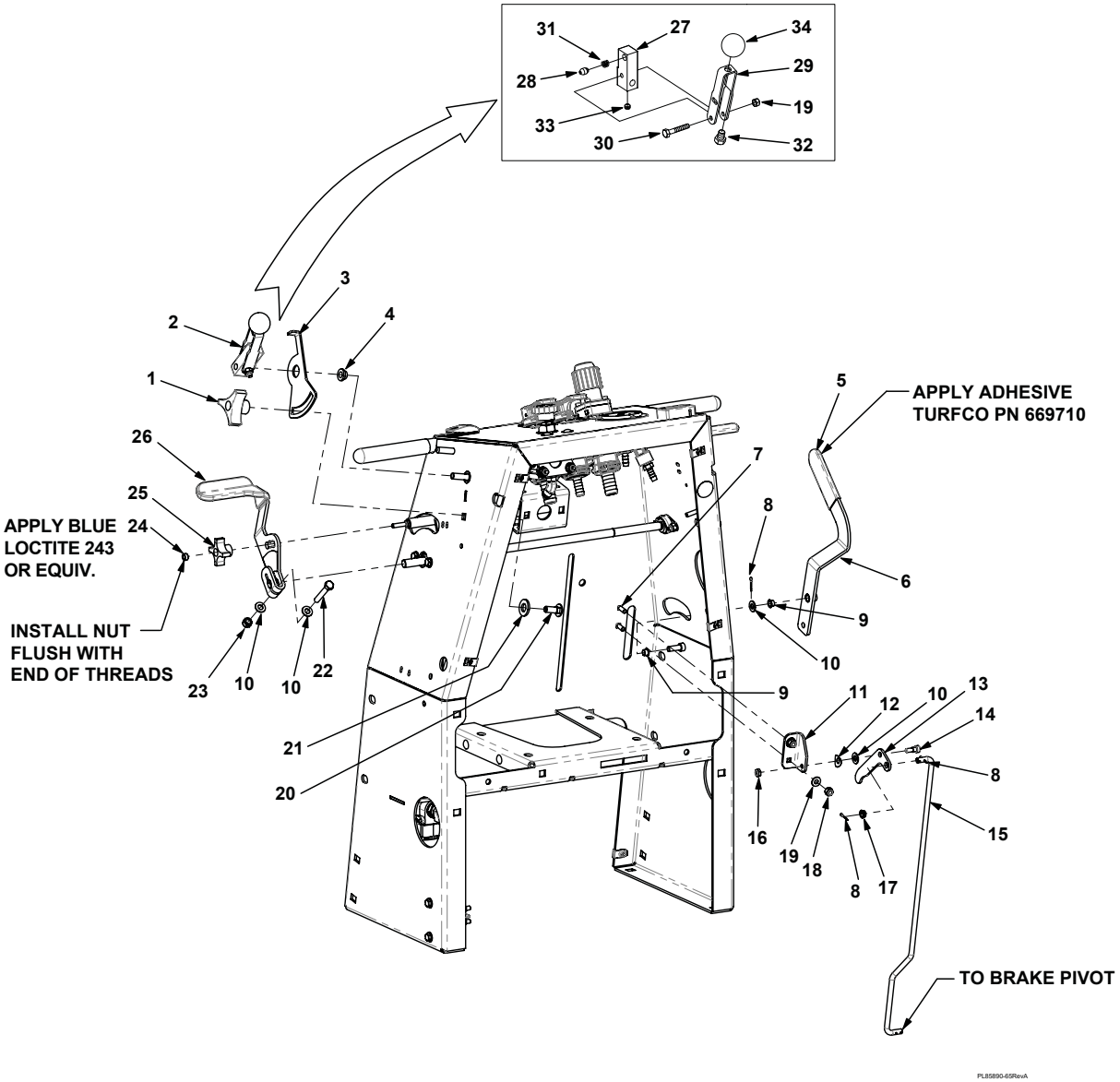
Hopper Gate Linkage Assembly



Hopper Gate Linkage Assembly

Item No.	Part No.	Description	Qty.
1	302213	NUT, NYLOC, 5/16-24, SST	2
2	672021	WELDMENT, GATE LEVER	1
3	670334	BALL JOINT, 5/16-24, SST	2
4	302210	NUT, 5/16-24, JAM, S.S	2
5	672032	ROD, GATE LEVER	1
6	671909	BEARING, FLANGE, 5/16 ID X 3/8 OD X 1/4 LG	2
7	672027	WELDMENT, GATE PIVOT	1
8	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SS	1
9	304005	PIN, COTTER, .063 DIA X .5 LG, S.S	1

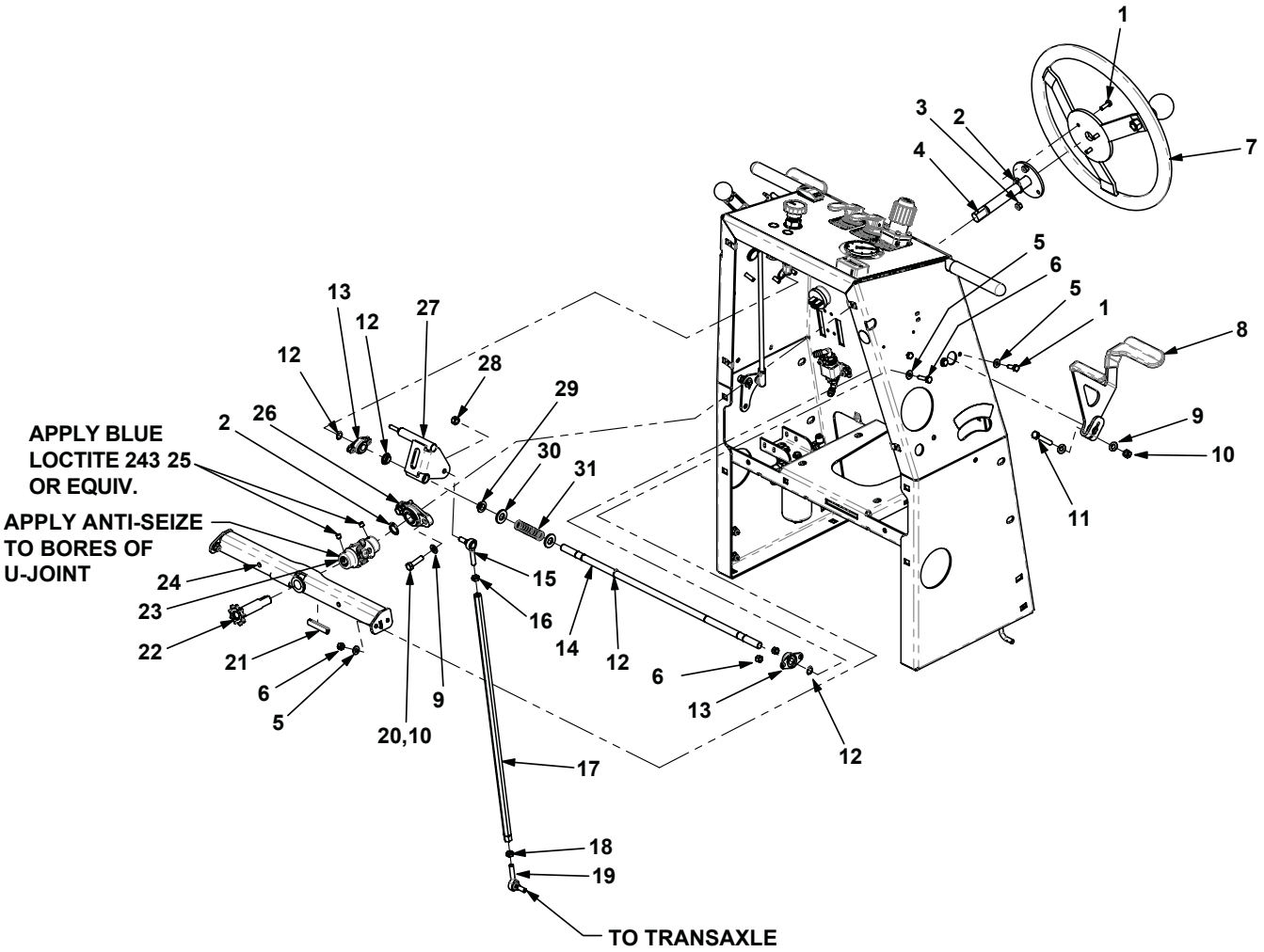
Gate Control Lever & Trim Control Lever Assembly



Gate Control Lever & Trim Control Lever Assembly

Item No.	Part No.	Description	Qty.
1	662516	KNOB, LOCKING	1
2	667377	ASSEMBLY, GATE HANDLE	1
3	667342	STOP, PARTIAL GATE	1
4	667394	BEARING, FLANGE, 0.380 ID NYLON	2
5	672033	GRIP, HANDLE, 3/16 X 1.25 ID X 4 LG, GREEN	1
6	672030	WELDMENT, TRIM LEVER	1
7	301111	BOLT, CARR, 1/4-20 X 3/4, SST BOLT, CARR, 1/4-20 X 3/4, SST	2
8	304005	PIN, COTTER, .063 DIA X .5 LG, SST	3
9	671909	BEARING, FLANGE, 5/16 ID X 3/8 OD X 1/4 LG	2
10	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	4
11	671640	MOUNT, BRAKE LEVER	1
12	303225	WASHER, SPRING, .328 ID X .766 OD X .016 THICK	1
13	667213	HANDLE, BRAKE	1
14	300101	BOLT, SHOULDER, 1/4”-20UNC-2A SST	1
15	672040	ROD, BRAKE LINKAGE	1
16	302115	NUT, HEX, 1/4-20, NYLOC, THIN, SST	1
17	667140	BEARING, IGLIDE CLIP 5/16” I.D.	1
18	302110	NUT, 1/4-20 NYLOCK, SST	3
19	303010	WASHER, FLAT, .281 ID X .63 OD, SST	2
20	301315	BOLT, CARR, 3/8”-16 X 1”, SST	1
21	303080	WASHER, FLAT, .531 ID X 1.06 OD X .097 THK SST	1
22	300235	SCREW, CAP, 5/16-18 X 2 SST	1
23	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	1
24	657081	NUT, PRESS, 1/4-20	1
25	670530	KNOB, FOUR LOBED, 1/4-20	1
26	672017	HANDLE, SPEED CONTROL, RH	1
27	667378	ARM, HANDLE DETENT	1
28	667379	PLUNGER, DETENT	1
29	667380	CLEVIS, GATE HANDLE	1
30	300125	SCREW, CAP, 1/4”-20 X 1-1/2”, HEX HEAD, STAINLESS STEEL	1
31	667382	SPRING, DETENT	1
32	300350	SCREW, CAP, 3/8”-24 X 1/2”, HEX HEAD, STAINLESS STEEL	1
33	499120	SCREW, SET, 5/16”-24	1
34	667338	KNOB, BALL	2

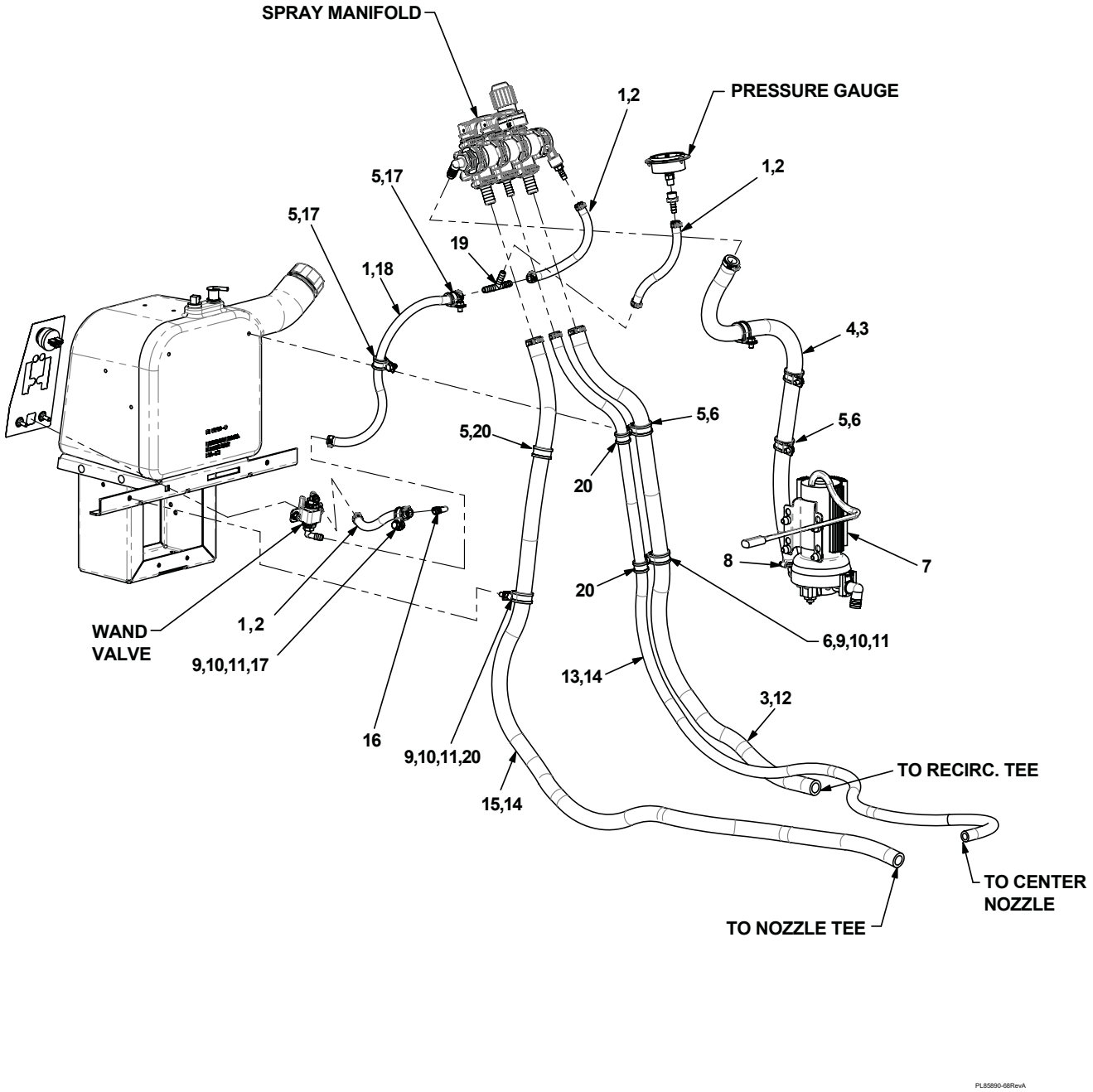
Steering & Speed Control Assembly



Steering & Speed Control Assembly

Item No.	Part No.	Description	Qty.
1	300110	SCREW, CAP, 1/4-20 X .75, SST	7
2	662628	RING, EXTERNAL RETAINING,	2
3	302110	NUT, 1/4-20 NYLOCK, SST	11
4	672088	WELDMENT, STEERING WHEEL SHAFT	1
5	303010	WASHER, FLAT, .281 ID X .63 OD, SST	12
6	300115	SCREW, CAP, 1/4-20 X 1, HEX HD, SST	4
7	667360	WHEEL, STEERING	1
8	672018	HANDLE, SPEED CONTROL, LH	1
9	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	10
10	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	5
11	300235	SCREW, CAP, 5/16-18 X 2 SST	1
12	668938	RING, RETAINING, EXTERNAL, 1/2 SHAFT, .035 THK, STEEL	3
13	667393	BEARING, FLANGE, 1/2 ID FLUSHMOUNT	2
14	672012	SHAFT, HANDLE SUPPORT	1
15	668743	LINKAGE, BALL JOINT, 5/16-24, RH MALE SHANK	1
16	302210	NUT, 5/16-24, JAM, SST	3
17	672011	SHAFT, HEX, LINKAGE	1
18	668751	NUT, 5/16-24, JAM, LH THREAD	1
19	668739	LINKAGE, BALL JOINT, 5/16-24, LH MALE SHANK	1
20	300222	SCREW, CAP, 5/16-18 X 1-1/4, HEX HD, SST	4
21	663969	TRIM, EDGE 7 GA.	2
22	672091	WELDMENT, STEERING SPROCKET	1
23	672087	U-JOINT, STEERING, 3/4 DD BORE	1
24	672178	ASSEMBLY, STEERING BUSHING, INCLUDES	1
	672179	BEARING, FLANGE, IGLIDE	2
25	415553	SCREW, SET 5/16-18 X 5/16	4
26	671571	BEARING, FLANGE, SPHERICAL,	2
27	672013	WELDMENT, SPEED SELECTOR	1
28	302213	NUT, NYLOC, 5/16-24, SST	1
29	662841	BEARING, 1/2” FLANGED	2
30	303080	WASHER, FLAT, .531 ID X 1.06 OD X .097 THK SST	2
31	671638	SPRING, COMPRESSION, .687 OD X 2.5 LG	1

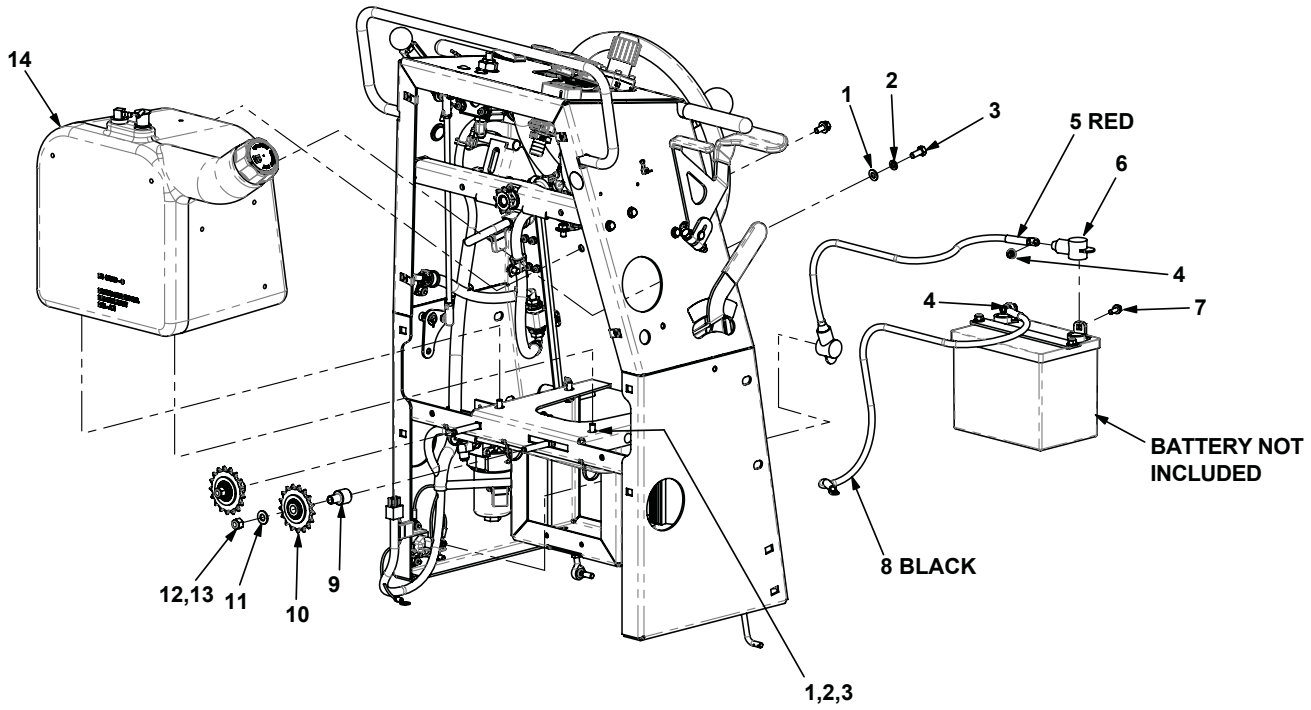
Spray Hose Assembly



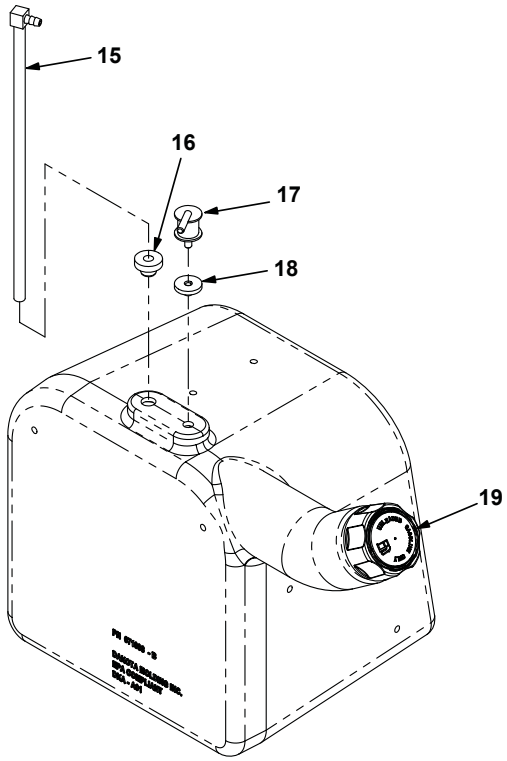
Spray Hose Assembly

Item No.	Part No.	Description	Qty.
1	671749	CLAMP, PINCH, .58/.67 ID X .28 W, SST	8
2	672096	HOSE, SPRAY, 3/8 ID X 8.5 LG	3
3	672106	CLAMP, PINCH, 1.06/1.19 ID, .28 W, SST	2
4	672100	HOSE, SPRAY, 3/4 ID X 36.0 LG	1
5	300205	SCREW, CAP, 5/16-18 X 1/2 SST	7
6	672104	CLIP, P, 1-1/8 ID, CUSHIONED, SST	5
7	671994	ASSEMBLY, PUMP, 5 GPM	1
8	671751	CLAMP, HOSE, WORM DRIVE, .69/1.25 ID X .31 W, SST	1
9	300215	SCREW, CAP, 5/16-18 X 3/4 SST	3
10	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SS	3
11	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	3
12	672103	HOSE, SPRAY, 3/4 ID X 48.0 LG	1
13	672098	HOSE, SPRAY, 1/2 ID X 78.0 LG	1
14	671750	CLAMP, PINCH, .70/.82 ID X .28 W, SST	2
15	672296	HOSE, SPRAY, 1/2 ID X 73.0 LG	1
16	672036	ELBOW, 90 DEG, 3/8 HOSE BARB,	1
17	672105	CLIP, P, 11/16 ID, CUSHIONED, SST	3
18	672097	HOSE, SPRAY, 3/8 ID X 20.0 LG	1
19	670833	TEE, 3/8 HOSE BARB	1
20	672107	CLIP, P, 13/16 ID, CUSHIONED, SST	4

Fuel Tank & Battery Assembly



NOTE: APPLY DI-ELECTRIC GREASE TO ALL ELECTRICAL CONNECTIONS

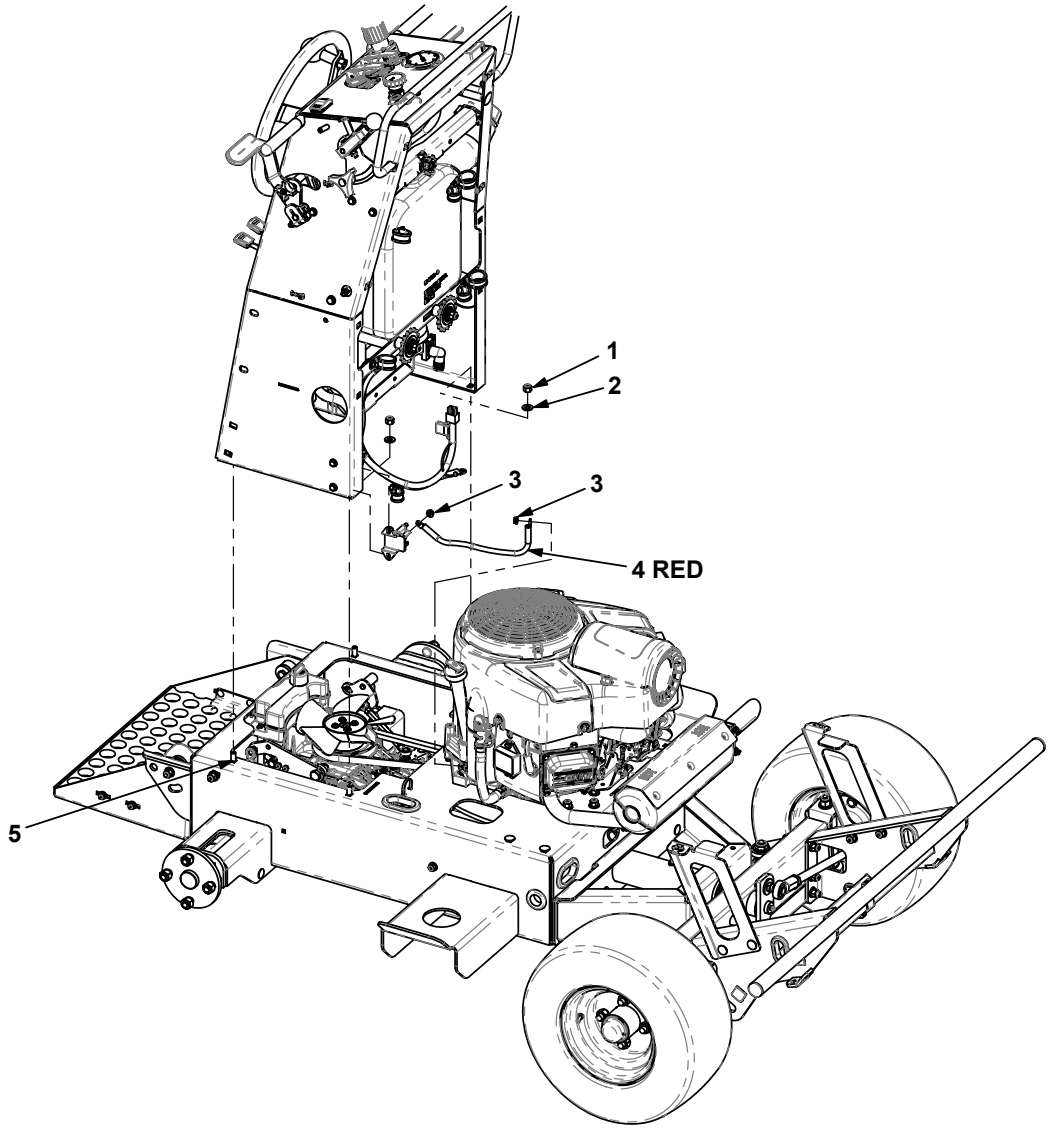


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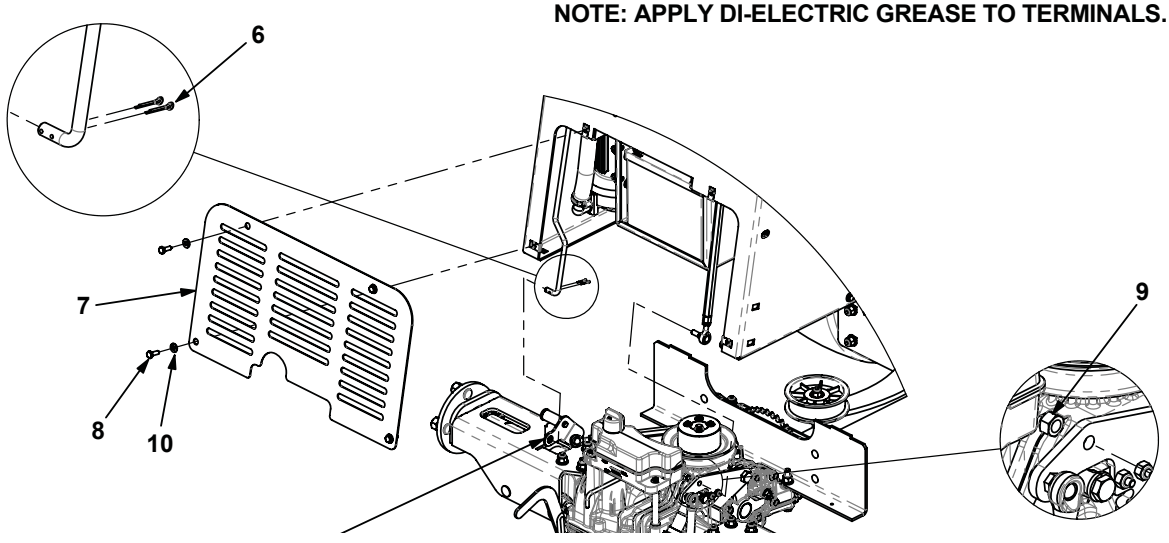
Fuel Tank & Battery Assembly

Item No.	Part No.	Description	Qty.
1	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	6
2	303305	WASHER, LOCK, MEDIUM 5/16” SPRING, SST	6
3	300215	SCREW, CAP, 5/16-18 X 3/4 SS	6
4	302120	NUT, HEX, 1/4-20 FLANGE, WHIZ-LOCK, SST	2
5	672108	CABLE, BATTERY, RED, 25.0 LG	1
6	668511	BOOT, RING, RED	2
7	300107	SCREW, CAP, 1/4-20 X 3/4, FLANGE, SST.	2
8	672109	CABLE, BATTERY, BLACK, 34.0 LG	1
9	672034	SPACER, STEERING IDLER SPROCKET	2
10	667395	SPROCKET, IDLER, RC40 17 TOOTH	2
11	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	2
12	301330	BOLT, CARR, 3/8-16 X 2-1/4, SST	2
13	302310	NUT, NYLOC, 3/8-16, SST	2
14	672000	ASSEMBLY, FUEL TANK, 5 GAL, INCLUDES ITEMS 15 THRU 19	1
15	672001	TUBE PICK UP, 1/4 ID X 12.0, 90 ELBOW	1
16	668853	GROMMET, FUEL TANK, 1.0 OD X .63 LG	1
17	668594	VALVE, SLOSH, 3/16 HOSE	1
18	668593	GROMMET, 1.0 OD	1
19	672002	CAP, FUEL, 2.25 DIA, INLET VENT	1

Console Assembly



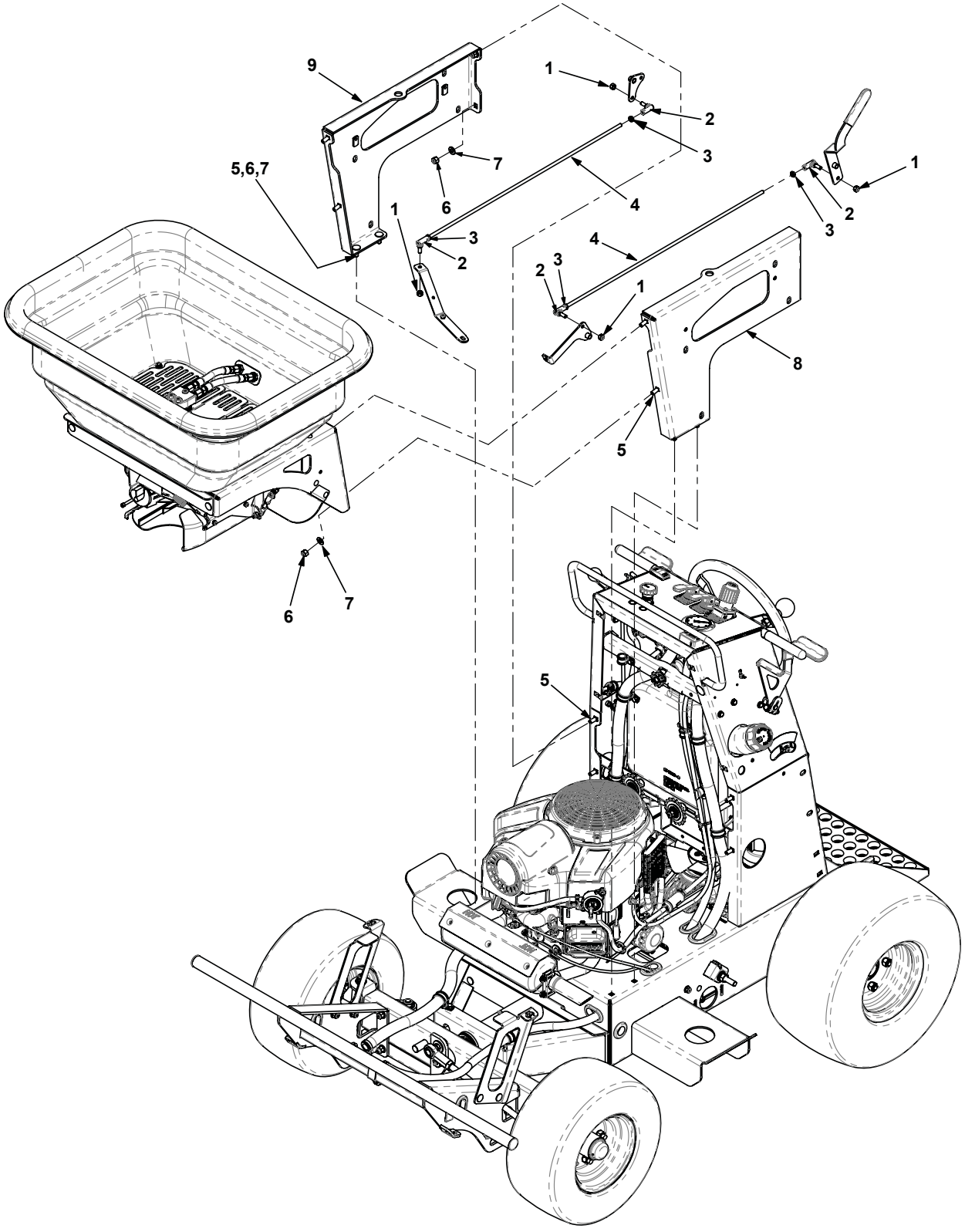
NOTE: APPLY DI-ELECTRIC GREASE TO TERMINALS.



Console Assembly

Item No.	Part No.	Description	Qty.
1	302310	NUT, NYLOC, 3/8-16, SST	4
2	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	4
3	302120	NUT, HEX, 1/4-20 FLANGE, WHIZ-LOCK, SST	2
4	672127	CABLE, BATTERY, RED, 12.5 LG.	1
5	301315	BOLT, CARR, 3/8”-16 X 1”, 304 SST	4
6	304005	PIN, COTTER, .063 DIA X .5 LG, SST	2
7	672064	COVER, REAR CONSOLE	1
8	300110	SCREW, CAP, 1/4-20 X .75, SST	4
9	302213	NUT, NYLOC, 5/16-24, SST	1
10	303010	WASHER,FLAT,.281 ID X .63 OD, SST	4

Tank & Spreader Support Assembly

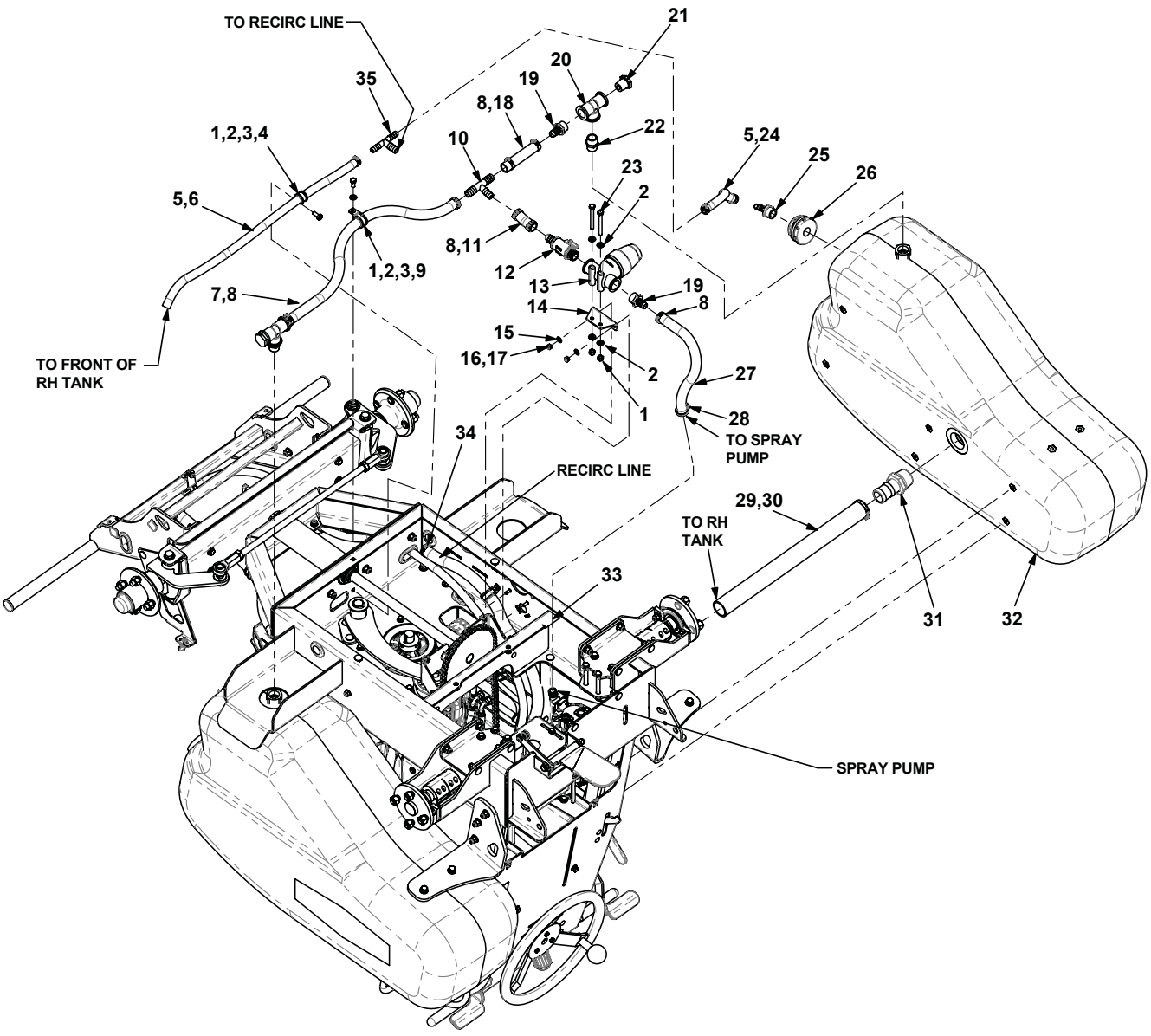


PL85890-71RevA

Tank & Spreader Support Assembly

Item No.	Part No.	Description	Qty.
1	302213	NUT, NYLOC, 5/16-24, SST	4
2	670334	BALL JOINT, 5/16-24, SST	4
3	302210	NUT, 5/16-24, JAM, SST	4
4	672070	ROD, LINKAGE	2
5	301315	BOLT, CARR, 3/8”-16 X 1”, SST	12
6	302310	NUT, NYLOC, 3/8-16, SST	12
7	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	12
8	672054	WELDMENT, TANK SUPPORT, LH	1
9	672055	WELDMENT, TANK SUPPORT, RH	1

LH Tank & Filter Assembly



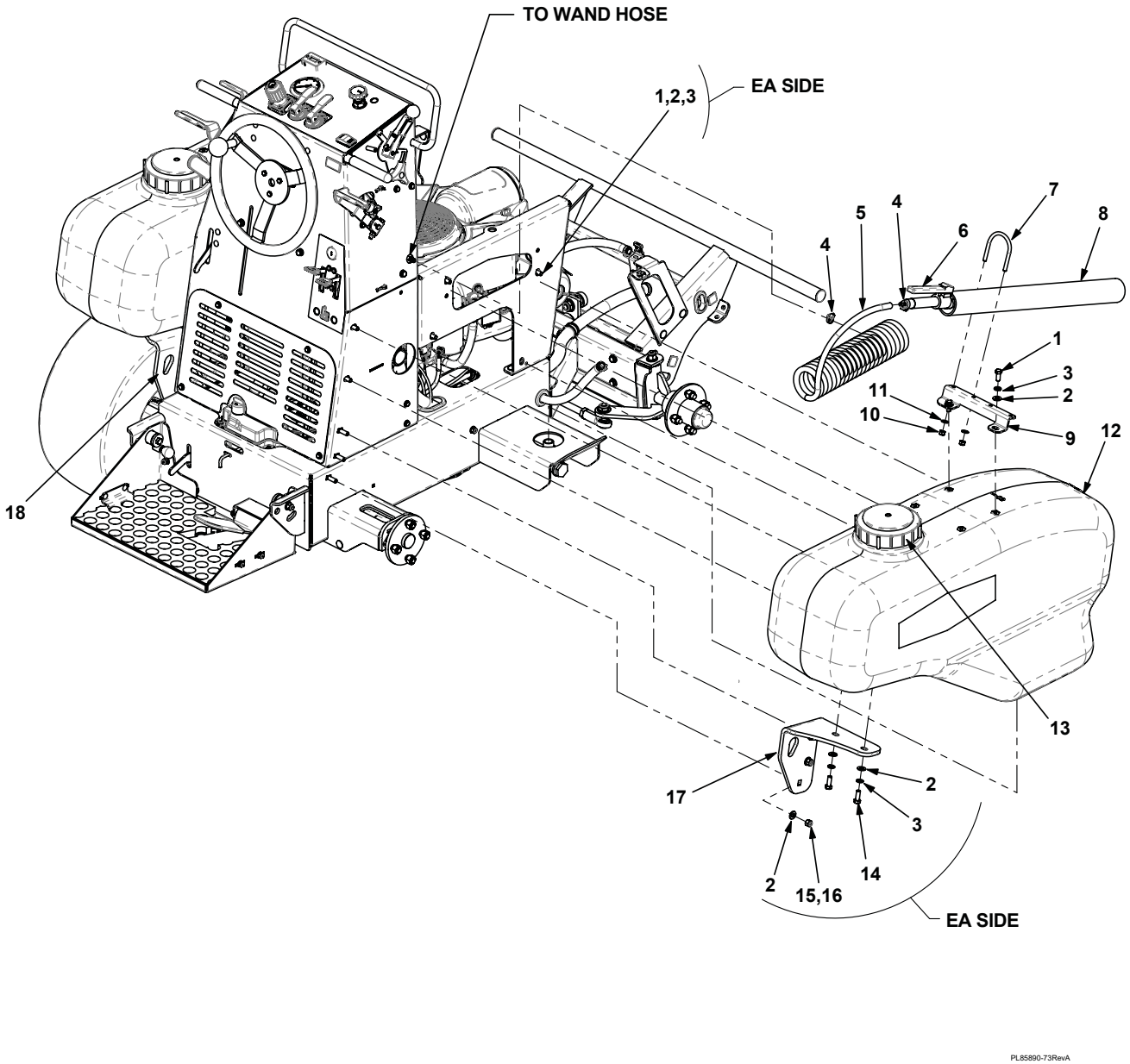
NOTE: APPLY RECTORSEAL 21 PIPE DOPE OR EQUIV. TO ALL PLASTIC PIPE THREAD FITTINGS.

PL85890-72RevA

LH Tank & Filter Assembly

Item No.	Part No.	Description	Qty.
1	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	4
2	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	6
3	300215	SCREW, CAP, 5/16-18 X 3/4 SST	2
4	672107	CLIP, P , 13/16 ID, CUSHIONED, SST	1
5	671750	CLAMP, PINCH, .70/.82 ID X .28 W, SST	4
6	672118	HOSE, SPRAY, 1/2 ID X 28.0 LG	1
7	672115	HOSE, SUCTION, 3/4 ID X 28.0 LG	1
8	671808	CLAMP, PINCH, .94/1.06 ID X .28 W, SST	7
9	672128	CLIP, P, 1 ID, CUSHIONED, SST	1
10	671761	TEE, HOSE BARB, 3/4 X 3/4 X 3/4	1
11	672114	HOSE, SUCTION, 3/4 ID X 2.5 LG	1
12	671663	VALVE, BALL,	1
13	668396	STRAINER, INLINE, 3/4 FNPT, INCLUDES	1
	668364	SCREEN, INLINE FILTER, 50 MESH	1
	668489	BOWL, (CAP), STRAINER, INLINE FILTER	1
	668490	GASKET, STRAINER,INLINE FILTER	1
14	672068	MOUNT, STRAINER	1
15	303010	WASHER, FLAT, .281 ID X .63 OD, SST	2
16	302110	NUT, 1/4-20 NYLOCK, SST	2
17	301111	BOLT, CARR, 1/4-20 X 3/4, SST	2
18	672113	HOSE, SUCTION, 3/4 ID X 4.75	1
19	667845	ADAPTER, 3/4 MNPT X 3/4 HOSE BARB	3
20	668316	TEE, 3/4 FPT	2
21	671763	PLUG, HEX, 3/4 MNPT, PLASTIC	2
22	668362	NIPPLE, 3/4 MALE NPT	2
23	300255	SCREW, CAP, 5/16-18 X 3 HEX HEAD, SST	2
24	672117	HOSE, SPRAY, 1/2 ID X 10.0 LG	1
25	667843	ELBOW, 90 DEG, 3/4 MNPT X 1/2 HOSE BARB	2
26	667847	BULKHEAD FITTING, 3/4 NPT	2
27	672116	HOSE, SUCTION, 3/4 ID X 14.0 LG	1
28	671751	CLAMP, HOSE, WORM DRIVE, .69/1.25 ID X .31 W, SST	1
29	671807	CLAMP, PINCH, 1.78/1.91 ID X .28 W, SST	2
30	672112	HOSE, PVC, 1-1/2 ID X 20.5 LG	1
31	669857	ADAPTER, 1 1/2 MNPT X 1 1/2 BARB,	2
32	671977	TANK, LH, 30 GAL	1
33	663969	TRIM, EDGE 7 GA	1
34	672106	CLAMP, PINCH, 1.06/1.19 ID, .28 W, SST	1
35	672062	TEE, HOSE BARB, 3/4 X 1/2 X 1/2	1

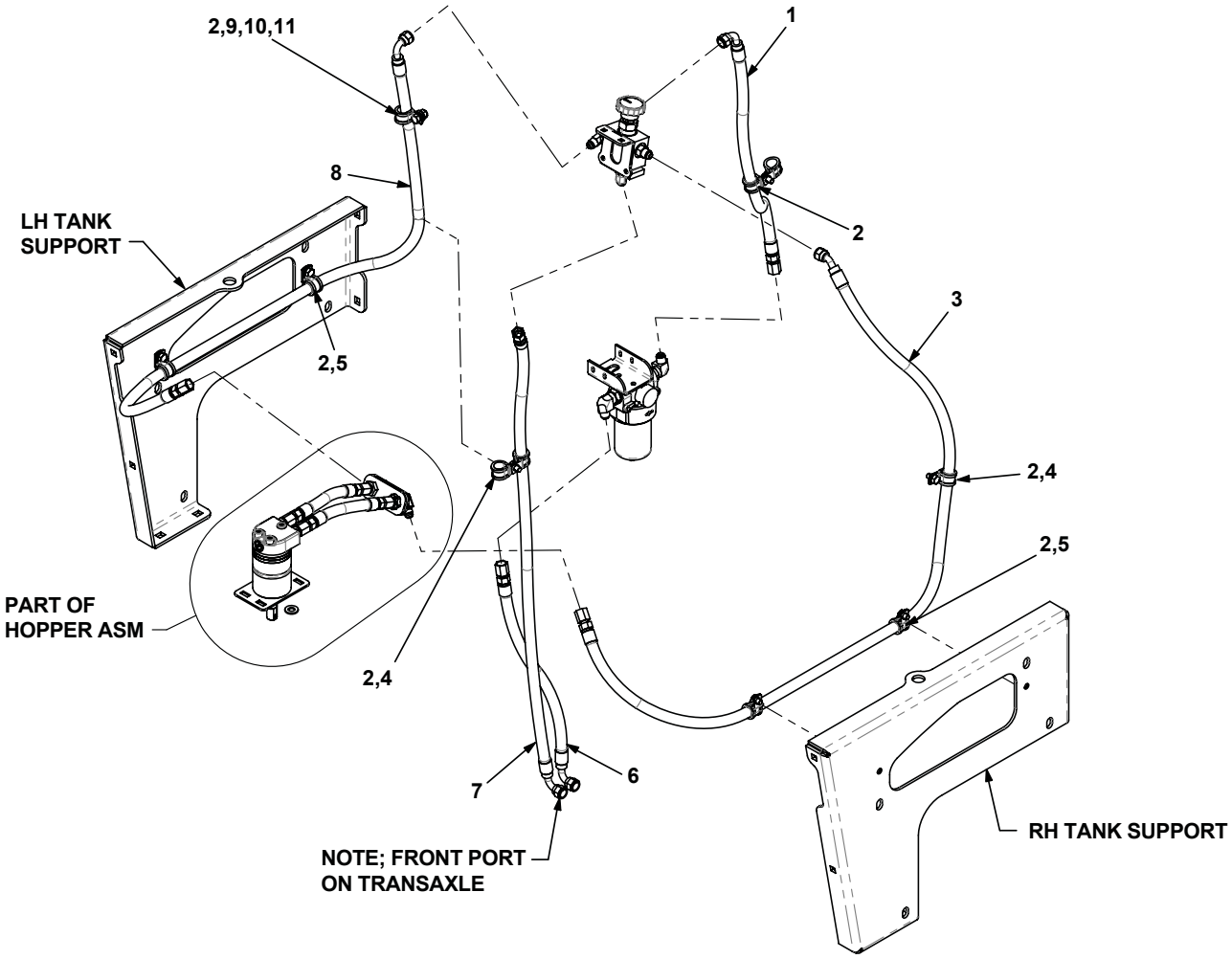
RH Spray Tank ASM & Wand Assembly



RH Spray Tank ASM & Wand Assembly

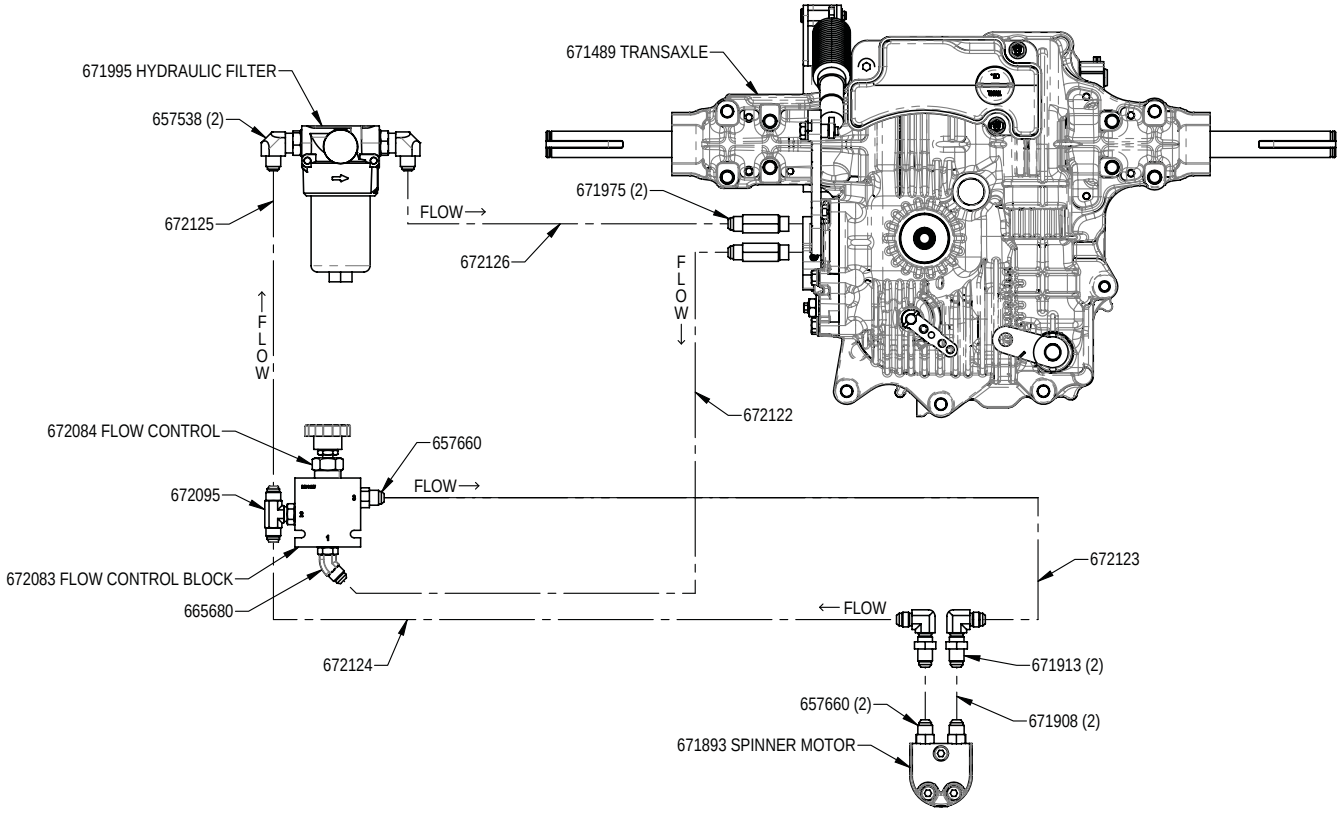
Item No.	Part No.	Description	Qty.
1	300315	SCREW, CAP, 3/8-16 X 7/8, HEX HD, SST	12
2	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	22
3	303310	WASHER, LOCK, 3/8, SPRING, MEDIUM, SST	16
4	671810	CLAMP, HOSE, WORM DR, .22/.63 ID	2
5	671714	HOSE, 3/8 ID X 3.0 COIL,	1
6	670348	SPRAY WAND	1
7	304056	U-BOLT, 5/16-18 X 2 1/2 IN ID, SST	1
8	669234	SPRAY WAND TUBE	1
9	671803	MOUNT, WAND TUBE	1
10	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	2
11	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	2
12	671978	TANK, RH, 30 GAL	1
13	671703	ASSEMBLY, CAP, SPRAY TANK, 6”, INCLUDES	2
	668782	GASKET, EPDM, LID,6”	1
14	300310	SCREW, CAP, 5/16-18 X 1.00, HEX HD, SST	2
15	302310	NUT, NYLOC, 3/8-16, SST	6
16	301317	BOLT, CARR, 3/8”-16 X 1 1/4 LG, SST	6
17	672059	TIE DOWN, REAR, RH	1
18	672058	TIE DOWN, REAR, LH	1

Hydraulic Hoses Assembly

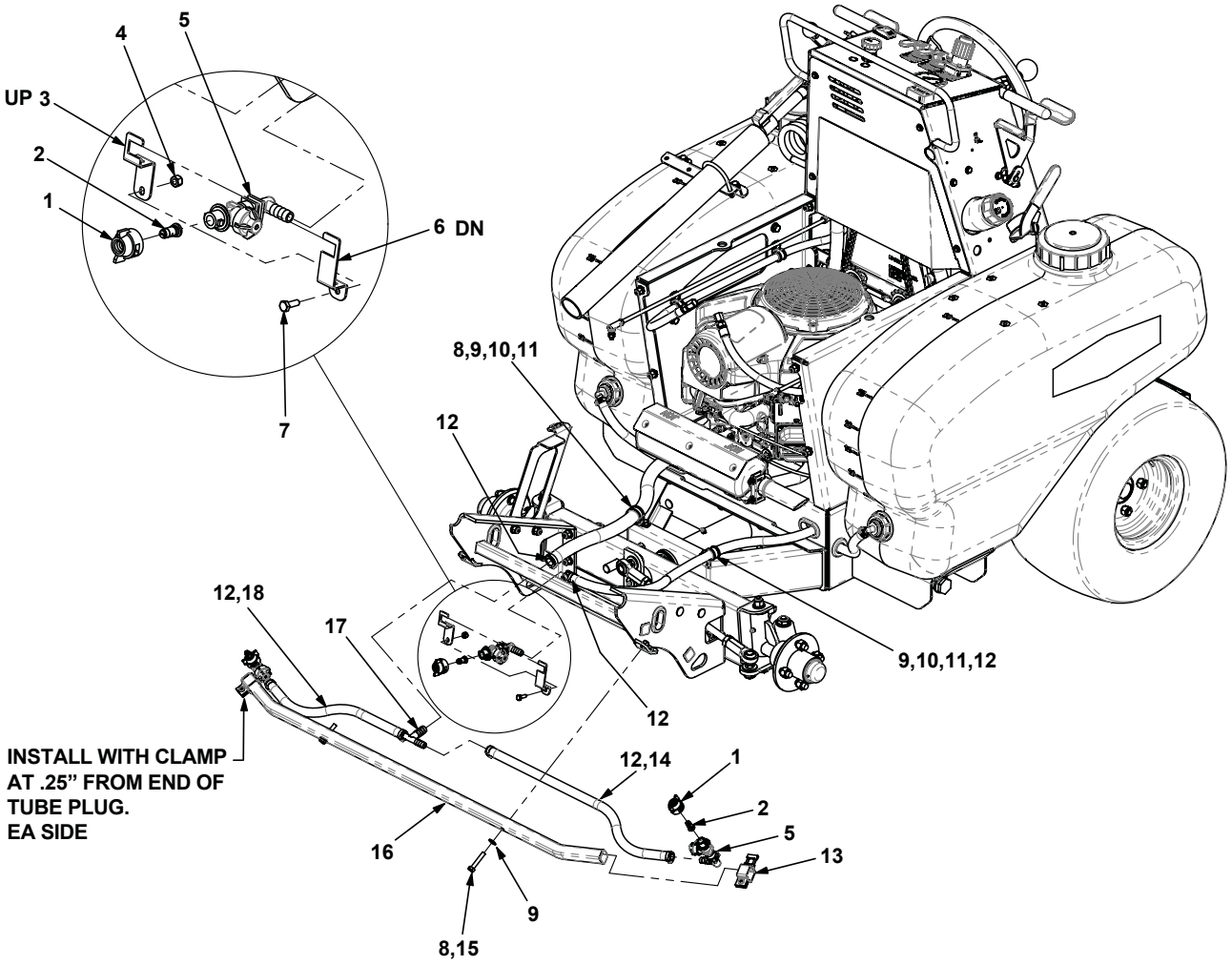


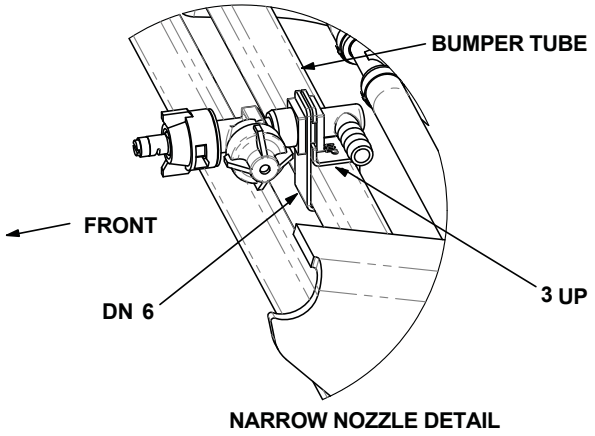
Hydraulic Hoses Assembly

Item No.	Part No.	Description	Qty.
1	672125	HOSE ASSY, HYD, 3/8 X 27.0 LG	1
2	672105	CLIP, P, 11/16 ID, CUSHIONED, SST	9
3	672123	HOSE ASSY, HYD, 3/8 X 58.0 LG	1
4	300205	SCREW, CAP, 5/16-18 X 1/2 SST	2
5	300200	SCREW, CAP, 5/16-18 X 3/8, HEX HD, SST	4
6	672126	HOSE ASSY, HYD, 3/8 X 18.0 LG	1
7	672122	HOSE ASSY, HYD, 3/8 X 40.0 LG	1
8	672124	HOSE ASSY, HYD, 3/8 X 53.0 LG	1
9	300215	SCREW, CAP, 5/16-18 X 3/4 SST	1
10	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	1
11	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	1



Spray Nozzle Assembly





NARROW NOZZLE DETAIL

PL85890-75RevA

Spray Nozzle Assembly

Item No.	Part No.	Description	Qty.
1	670816	CAP, NOZZLE	3
2	671665	NOZZLE, TURBO FLOODJET, BLUE (1/3 GAL/1000 RATE)	3
3	672257	CLAMP, NOZZLE BODY, UPPER	1
4	302110	NUT, 1/4-20 NYLOCK, SST	1
5	671664	NOZZLE BODY, 1/2 HOSE BARB	3
6	672256	CLAMP, NOZZLE BODY, LOWER	1
7	300110	SCREW, CAP, 1/4-20 X .75, SST	1
8	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	4
9	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SS	6
10	300215	SCREW, CAP, 5/16-18 X 3/4 SST	2
11	672107	CLIP, P, 13/16 ID, CUSHIONED, SST	2
12	671750	CLAMP, PINCH, .70/.82 ID X .28 W, SST	6
13	672073	CLAMP, NOZZLE BODY, 1 SQ TUBE	2
14	672120	HOSE, SPRAY, 1/2 ID X 25.0 LG	1
15	300230	SCREW, CAP, 5/16-18 X 1-3/4, HEX HD, SST	2
16	672076	ASSEMBLY, BROADCAST NOZZLE MOUNT, INCLUDES	1
	672074	PLUG, SQUARE, PLASTIC, 1 X 11 GA, BLACK	2
17	677833	TEE, HOSE BARB, 1/2 X 1/2 X 1/2	2
18	672119	HOSE, SPRAY, 1/2 ID X 17.0 LG	1

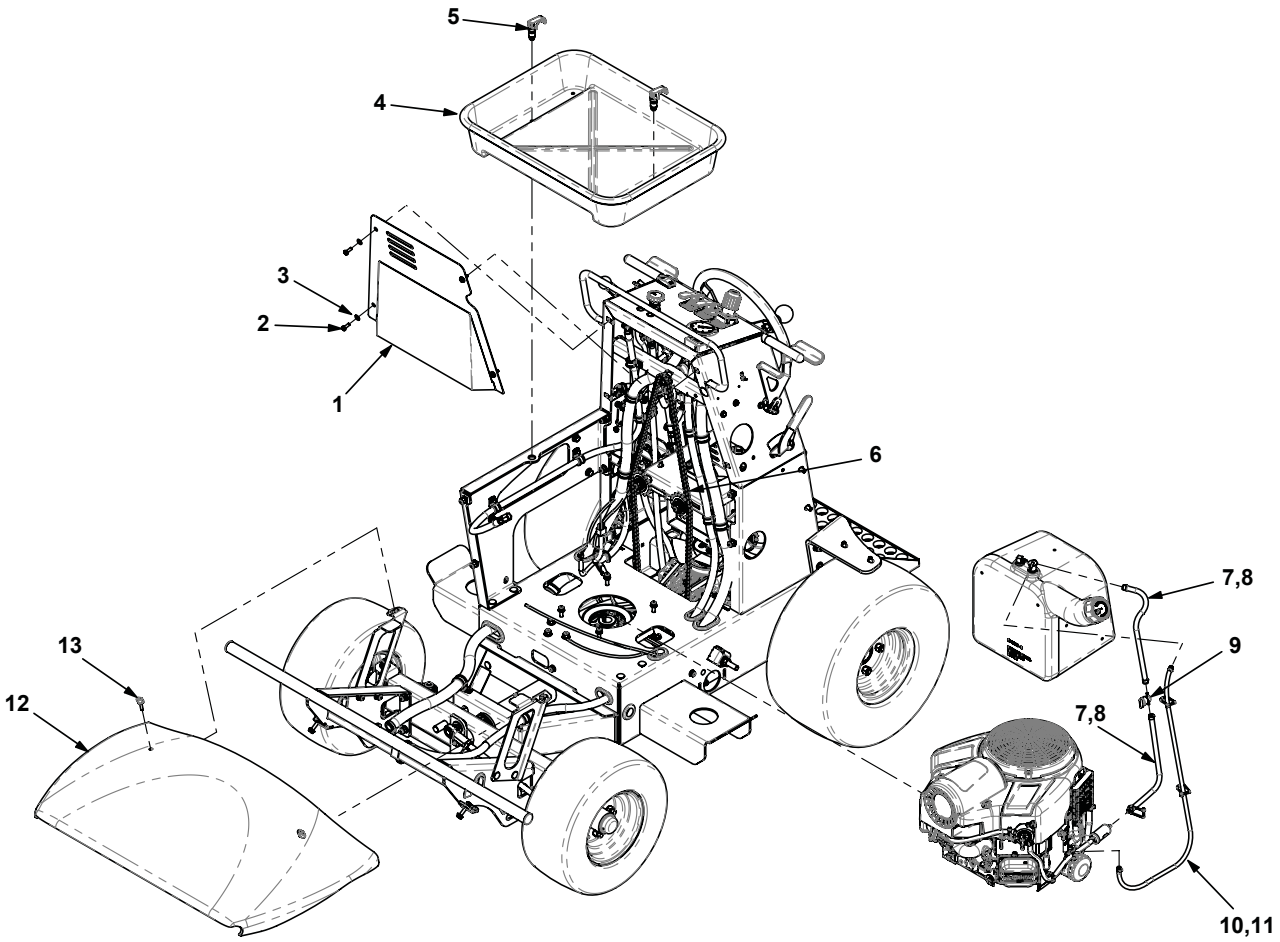
OPTIONAL NOZZLES AVAILABLE

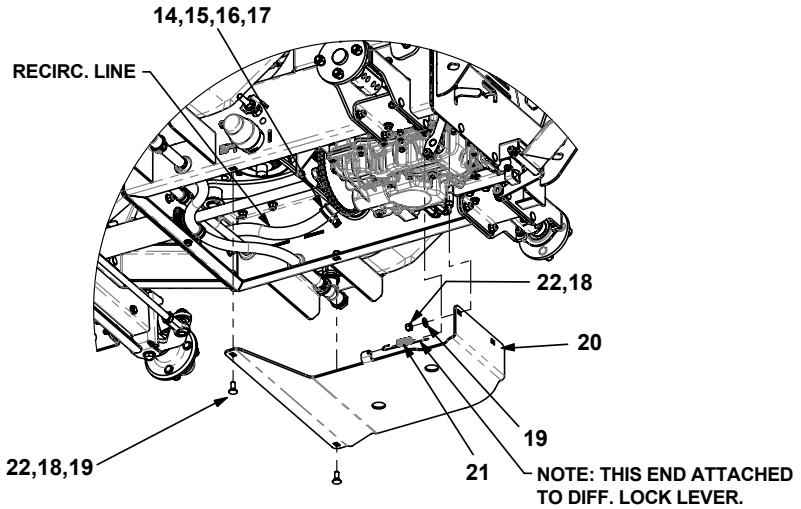
	672166	NOZZLE, TURBO FLOODJET, WHITE (1/4 GAL/1000 RATE) 3
	672167	NOZZLE, TURBO FLOODJET, GREEN (1/2 GAL/1000 RATE) 3
	672163	NOZZLE, TURBO FLOODJET, 14K-18 (1 GAL/1000 RATE) REQUIRES KIT 86521 3

OPTIONAL ATTACHMENTS AVAILABLE

	86520	KIT, HOSE REEL, 75' (NOT COMPATIBLE WITH 3 IN 1 TANK) 1
	86521	KIT, HIGH SPRAY RATE, T5000 (7 GPM PUMP) 1
	86522	KIT, 3 IN 1 TANK, T5000 (NOT COMPATIBLE WITH HOSE REEL) 1

Shroud, Tray, Cover & Fuel Line Assembly





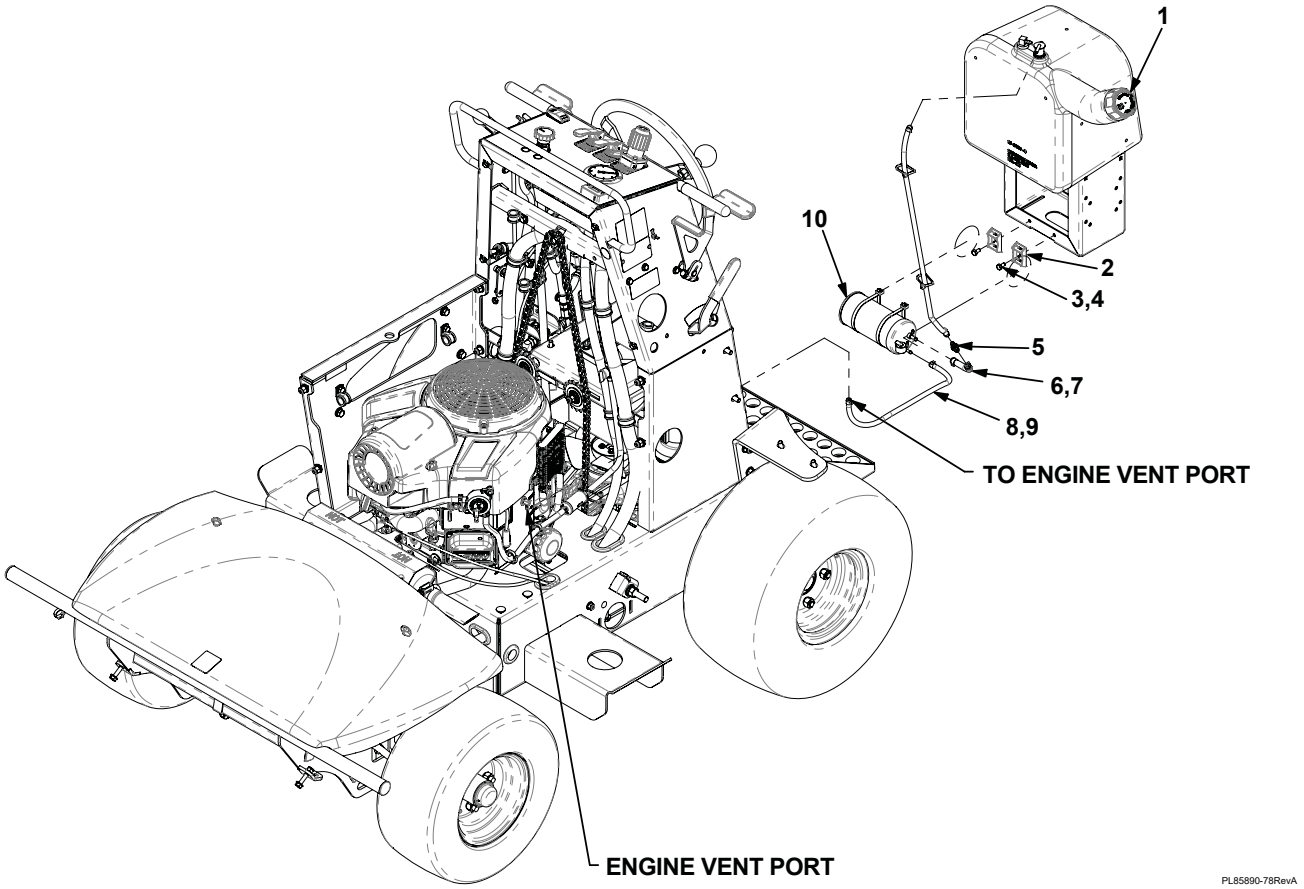
SKID PLATE ASM

PL85890-76RevA

Shroud, Tray, Cover & Fuel Line Assembly

Item No.	Part No.	Description	Qty.
1	672065	WELDMENT, FRONT CONSOLE COVER	1
2	300110	SCREW, CAP, 1/4-20 X .75, SST	4
3	303010	WASHER, FLAT, .281 ID X .63 OD, SST	4
4	667631	STORAGE TRAY	1
5	667642	CAM LATCH, TRAY	2
6	672121	CHAIN, RC-40 X 156 PITCHES, INCLUDES	1
	650703	MASTER LINK	1
7	668697	CLAMP, HOSE, 1/4	4
8	672129	HOSE, FUEL, 1/4 X 13.5 LG	2
9	667935	VALVE, FUEL SHUT OFF	1
10	672134	HOSE, FUEL, 3/16 ID X 35.0 LG	1
11	668802	CLAMP, HOSE, 3/16 ID	2
12	672063	SHROUD, FRONT, T5000	1
13	668633	SCREW, T-HANDLE, 1/4-20 X .80, SST	2
14	302215	NUT, NYLOC, 5/16-18 UNC-2B, SST	1
15	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	1
16	300215	SCREW, CAP, 5/16-18 X 3/4 SST	1
17	672104	CLIP, P, 1-1/8 ID, CUSHIONED, SST	1
18	301315	BOLT, CARR, 3/8”-16 X 1”, SST	4
19	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	4
20	672069	SKID PLATE	1
21	655484	SPRING, EXTENSION	1
22	302310	NUT,NYLOCK, 3/8-16, SST	4

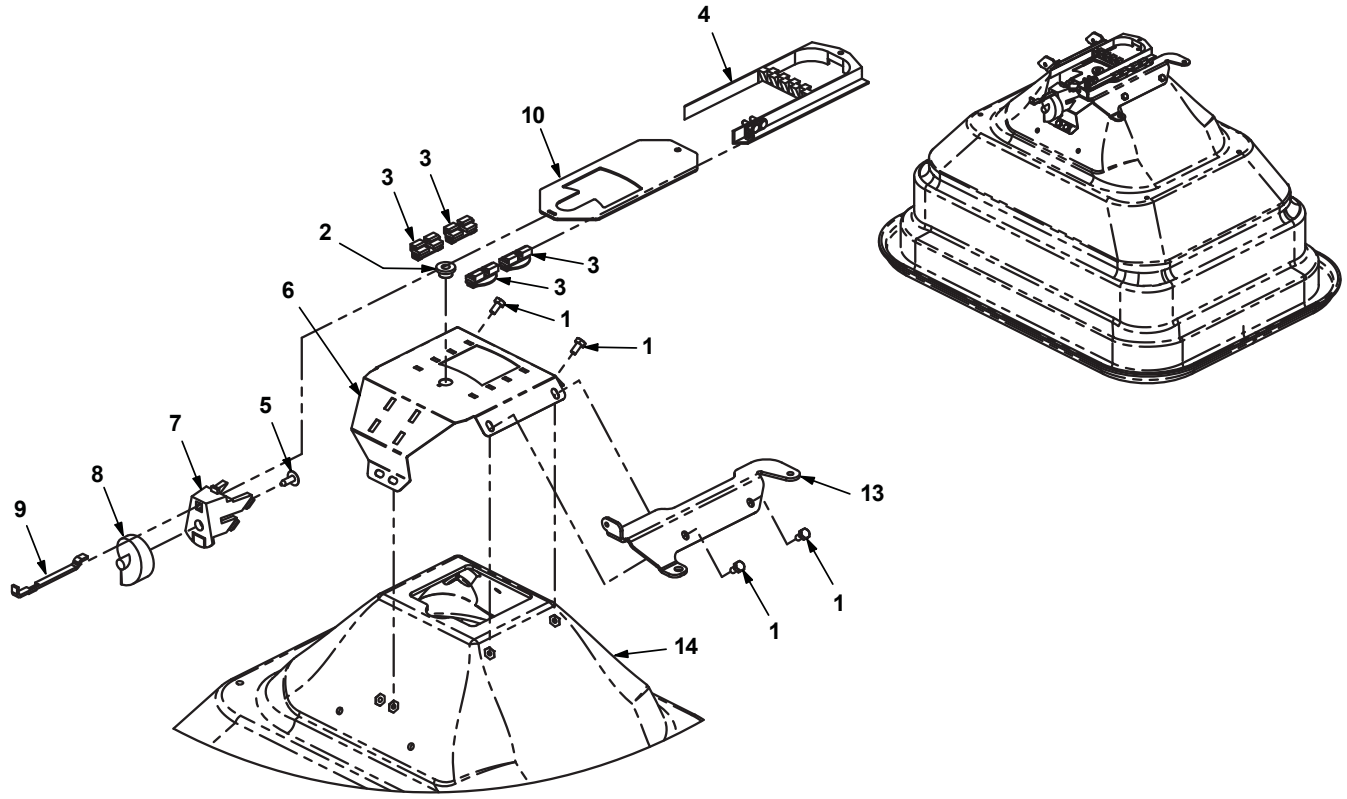
Carbon Canister Assembly
Model 85890CA ONLY



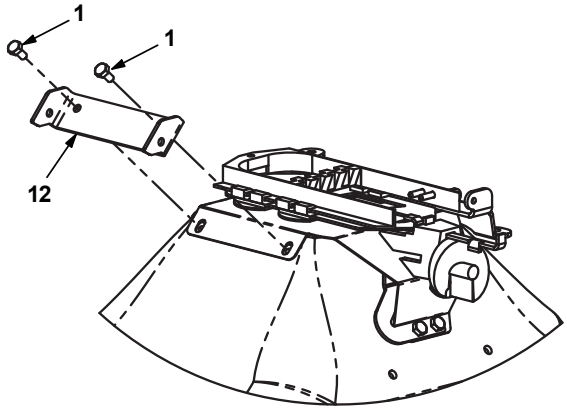
Item No.	Part No.	Description	Qty.
1	668592	CAP, FUEL	1
2	668680	BRACKET, CANISTER MOUNT	2
3	300105	SCREW, CAP, 1/4-20 X1/2, HEX HD, SST	2
4	302115	NUT, HEX,1/4-20, NYLOC, THIN, SST	2
5	669728	ADAPTER, HOSE, REDUCER, 1/4 TO 3/16	1
6	668697	CLAMP, HOSE, 1/4	2
7	670959	HOSE, FUEL, 1/4 ID X 3.50 LG	1
8	668802	CLAMP, HOSE, 3/16 ID	2
9	672136	HOSE, FUEL, 3/16 X 19.0 LG	1
10	669643	CANISTER, CARBON, 400cc	1

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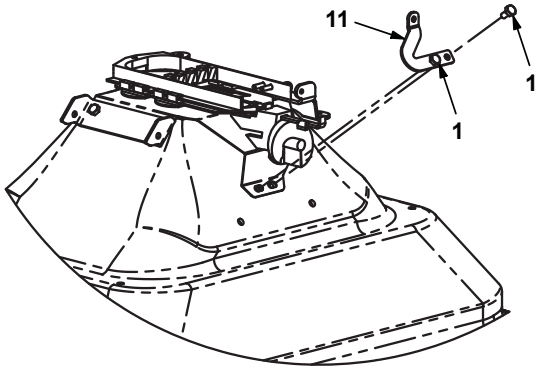
225 LB Hopper Assembly



GATE ASSEMBLY



TRIM BRACKET ASSEMBLY



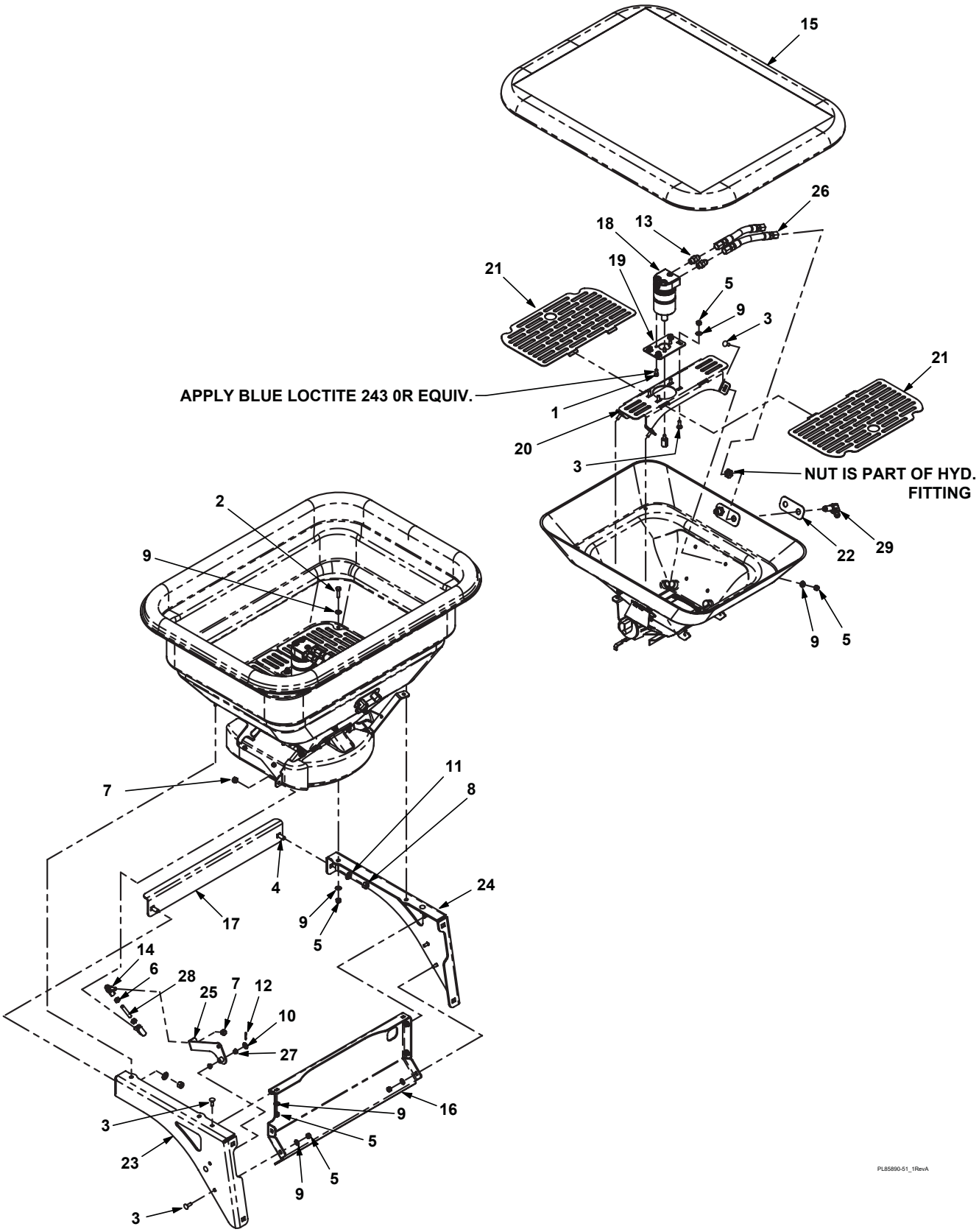
SPRING MOUNT ASSEMBLY

PL85890-50RevA

225 LB Hopper Assembly

Item No.	Part No.	Description	Qty.
1	300105	SCREW, CAP, 1/4-20 X 1/2, HEX HD, SST	8
2	667708	BEARING, BOTTOM, HOPPER	1
3	667712	ACCURACY GUIDE, RATE GATE	4
4	667719	ASSEMBLY, ACCUWAY	1
5	671144	PINE TREE CLIP, 50 LB HOPPER	1
6	671460	BOTTOM PLATE, HOPPER	1
7	671461	MOUNT, HOPPER DIAL	1
8	671462	DIAL, RATE GATE, 225 LB HOPPER	1
9	671463	LINKAGE, GATE, HOPPER	1
10	667713	GATE, HOPPER	1
11	671478	MOUNT, SPRING	1
12	671889	BRACKET, TRIM HINGE	1
13	671902	BRACKET, GATE PIVOT	1
14	671914	HOPPER, 225 LB, MACHINED	1

T5000 Hopper Assembly

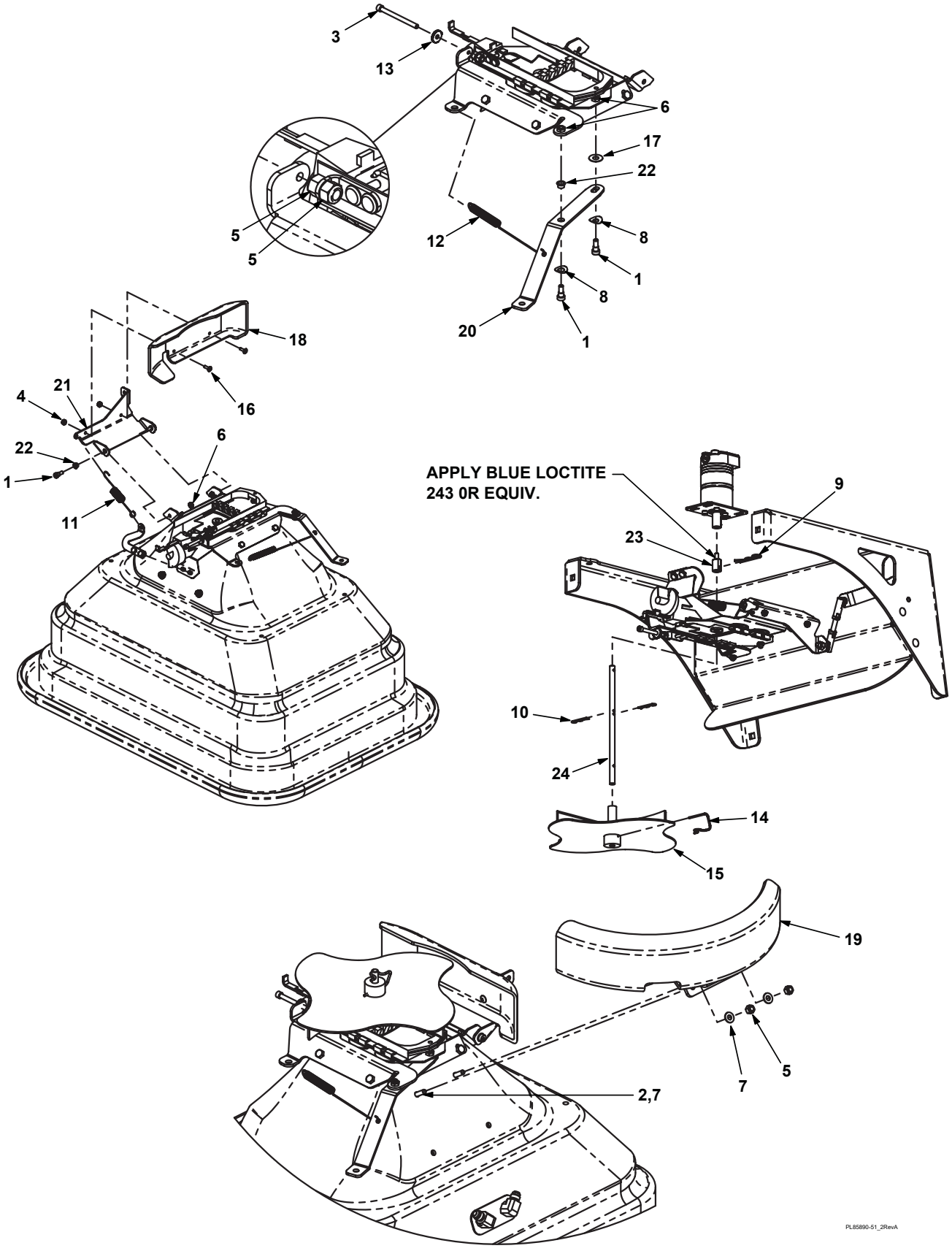


T5000 Hopper Assembly

Item No.	Part No.	Description	Qty.
1	300103	SCREW, CAP, 1/4-28 X 1/2, SOCKET HD, SST	3
2	300115	SCREW, CAP, 1/4-20 X 1, HEX HD, SST	4
3	301111	BOLT, CARR, 1/4-20 X 3/4, SST	15
4	301315	BOLT, CARR, 3/8”-16 X 1”, SST	2
5	302110	NUT, 1/4-20 NYLOCK, SST	19
6	302210	NUT, 5/16-24, JAM, SST	2
7	302213	NUT, NYLOC, 5/16-24, SST	2
8	302310	NUT, NYLOC, 3/8-16, SST	2
9	303010	WASHER, FLAT, .281 ID X .63 OD, SST	23
10	303020	WASHER, FLAT, .344 ID X .875 OD X .062 THICK SST	1
11	303040	WASHER, FLAT, .406 ID X .81 OD X .066 THICK SST	2
12	304005	PIN, COTTER, .063 DIA X .5 LG, SST	1
13	657660	ADAPTER, 9/16-18 MALE O-RING/9/16-18 37° FLARE	2
14	670334	BALL JOINT, 5/16-24, SST	2
15	671480	COVER, RAIN, 225 LB HOPPER	1
16	671890	SHIELD, REAR HOPPER	1
17	671891	BRACE, SUPPORT, HOPPER	1
18	671893	MOTOR, HYD, SPINNER, .76 CI	1
19	671894	PLATE, MOTOR MOUNT	1
20	671895	SUPPORT, SPINNER MOTOR	1
21	671896	SCREEN, HOPPER, T5000	2
22	671897	PLATE, BULKHEAD	2
23	671898	WELDMENT, HOPPER SUPPORT, LH	1
24	671901	SUPPORT, HOPPER, RH	1
25	671905	WELDMENT, TRIM PIVOT	1
26	671908	HOSE ASSY, HYD, 3/8 X 8.0 LG	2
27	671909	BEARING, FLANGE, 5/16 ID X 3/8 OD X 1/4 LG	2
28	671910	ROD, TRIM, SHORT	1
29	671913	ELBOW, 90 DEG, 9/16-18 MJIC BULKHEAD X	2

T5000 Hopper Assembly Continued on next page.

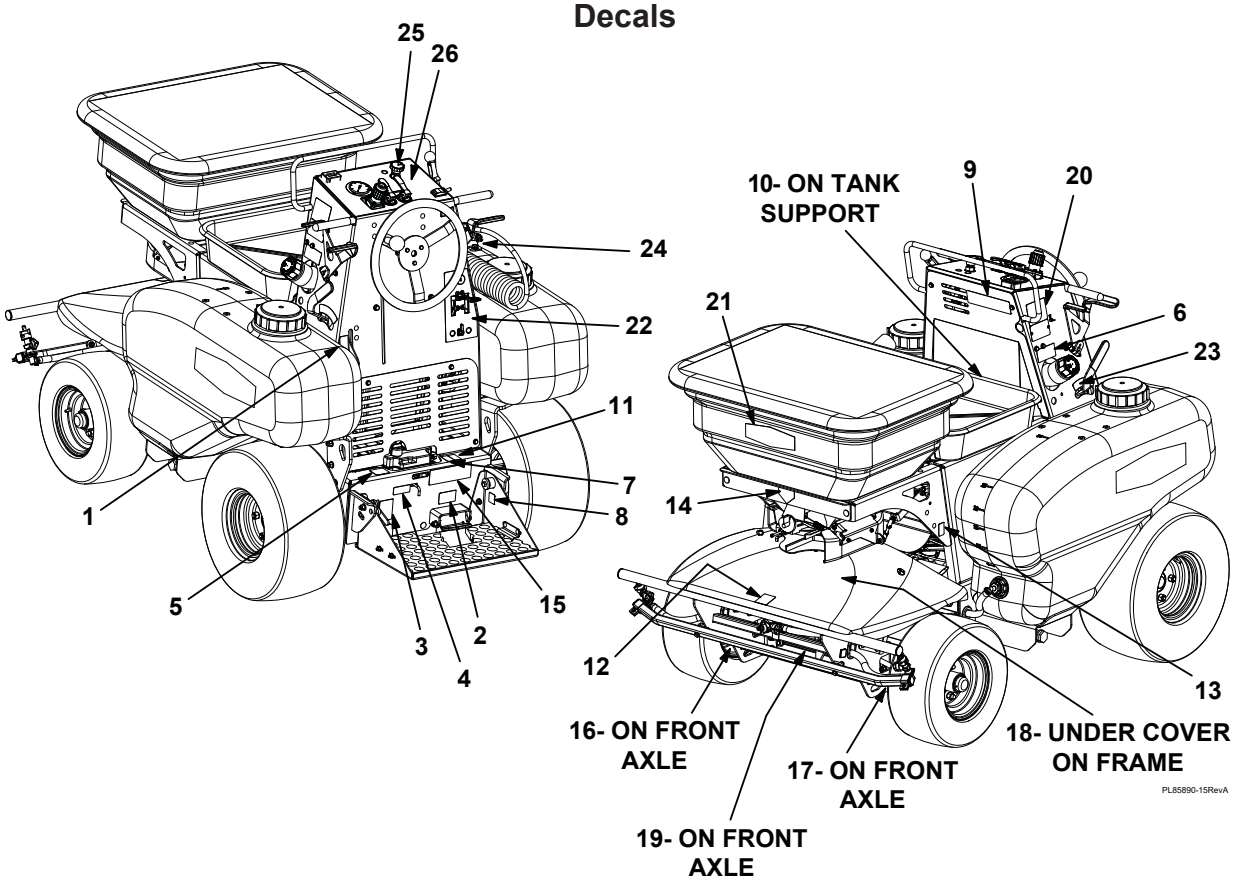
T5000 Hopper Assembly



T5000 Hopper Assembly

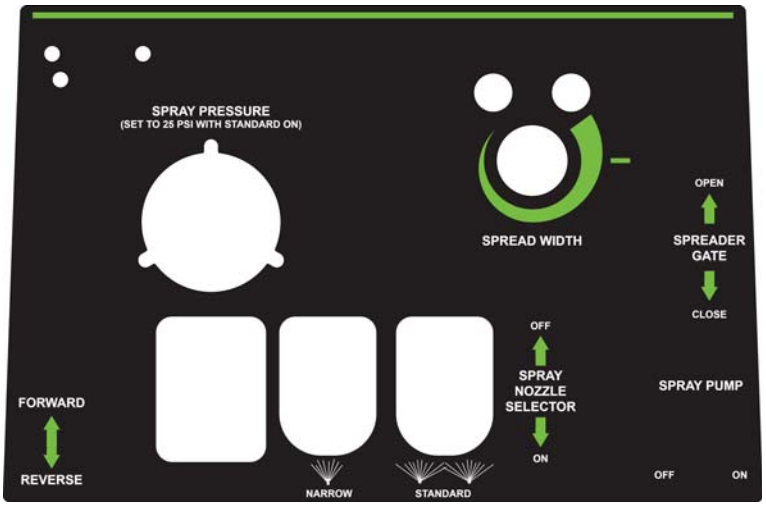
Item No.	Part No.	Description	Qty.
1	300101	BOLT, SHOULDER, 1/4”-20UNC-2A SST	4
2	300115	SCREW, CAP, 1/4-20 X 1, HEX HD, SST	2
3	300133	SCREW, CAP, SOCKET HD 1/4-20 X 3.00LG, SST	1
4	302055	NUT, NYLOC, 10-24, SST	2
5	302110	NUT, 1/4-20 NYLOCK, SST	4
6	302115	NUT, HEX, 1/4-20, NYLOC, THIN, SST	4
7	303010	WASHER, FLAT, .281 ID X .63 OD, SST	4
8	303225	WASHER, SPRING, .328 ID X .766 OD X .016 THICK	2
9	304020	PIN, HAIR	1
10	304055	PIN, HAIR, SST	2
11	655484	SPRING, EXTENSION	1
12	663387	SPRING, EXTENSION	1
13	667741	THUMB NUT 1/4-20	1
14	667747	CLIP, SPINNER	1
15	667749	SPINNER, WHEEL	1
16	669691	SCREW, MACH, 10-24 X 5/8, SST, TRUSS HD PHILLIPS	2
17	670760	WASHER, (.344 X .813 X .030) 5/16 SHIM, SST	1
18	671470	DEFLECTOR, TRIM	1
19	671892	SKIRT, SPINNER	1
20	671903	LEVER, HOPPER GATE	1
21	671904	BRACKET, TRIM DEFLECTOR	1
22	671909	BEARING, FLANGE, 5/16 ID X 3/8 OD X 1/4 LG	3
23	671911	ADAPTER, SPINNER SHAFT	1
24	671912	SHAFT, SPINNER, T5000	1

Decals



Item No.	Part No.	Description	Qty.
	672145	DECAL SHEET, PRODUCT ID, WARNINGS, LOGOS AND T5000, REV A, INCLUDES ITEMS 1 THRU 21	1
1		DECAL, PARKING BRAKE	1
2		DECAL, FORWARD SPEED CONTROL	1
3		DECAL, DIFFERENTIAL LOCK	1
4		DECAL, PULL TO FREEWHEEL	1
5		DECAL, TRANSMISSION OIL	1
6		DECAL, FUEL LEVEL, READ MANUAL	1
7		DECAL, FINGER HAZARD	1
8		DECAL, MAX OPERATOR WEIGHT	1
9		DECAL, T5000 LOGO	1
10		DECAL, CHAIN HARARD	1
11		DECAL, BELT HAZARD	1
12		DECAL, THROWN HAZARD	1
13		DECAL, HEAT HAZARD	1
14		DECAL, SPINNER HAZARD	1
15		DECAL, MAX ANGLE, WEAR PPE	1
16		DECAL, GREASE, RH WHEEL	1
17		DECAL, GREASE, LH WHEEL	1
18		DECAL, GREASE, IDLER	1
19		DECAL, GREASE, STEERING	1
20		DECAL, PRODUCT ID	1
21		DECAL, TURFCO LOGO	1
	672111	DECAL SHEET, OPERATIONAL CONTROLS, INCLUDES ITEMS 22 THRU 25	1
22		DECAL, IGNITION, THROTTLE, CHOKE, SPRAY WAND FLOW	1
23		DECAL, TRIM DEFLECTOR	1
24		DECAL, SPEED SELECTOR	1
25		DECAL, SPREAD WIDTH INDICATOR	1
26	672110	DECAL, DASHBOARD	1
	671819	MANUAL, OPERATOR AND PARTS LIST, 85890	1

Decals



A



B



C



D



E



F



G



H



I



J



K



L



M



N



O



P



Q



R



S



T



U



V



W



X



Y



Z

PL85890-16RevA

A. DASHBOARD DECAL
B. IGNITION, THROTTLE, CHOKE, SPRAY WAND FLOW DECAL
C. TRIM DEFLECTOR DECAL
D. SPEED SELECTOR DECAL
E. SPREAD WIDTH INDICATOR DECAL
F. PARKING BRAKE DECAL
G. FORWARD SPEED CONTROL DECAL
H. DIFFERENTIAL LOCK DECAL
I. PULL TO FREEWHEEL DECAL
J. TRANSMISSION OIL DECAL
K. FUEL LEVEL, READ MANUAL DECAL
L. FINGER HAZARD DECAL
M. MAX OPERATOR WEIGHT DECAL
N. T5000 LOGO DECAL
O. CHAIN HARARD DECAL
P. BELT HAZARD DECAL
Q. THROWN HAZARD DECAL
R. HEAT HAZARD DECAL
S. SPINNER HAZARD DECAL
T. MAX ANGLE, WEAR PPE DECAL
U. GREASE, RH WHEEL DECAL
V. GREASE, LH WHEEL DECAL
W. GREASE, IDLER DECAL
X. GREASE, STEERING DECAL
Y. PRODUCT ID DECAL
Z. TURFCO LOGO DECAL

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