



**942536J**

**PROCAT SE EFI KOHLER ECV730 W/52 SIDE DISCHARGE**

**942537J**

**PROCAT SE EFI KOHLER ECV749 W/61 SIDE DISCHARGE**

**MAN 4171306**  
Rev. A. 09-2014

OPERATOR'S MANUAL 4171313



[www.bobcatturf.com](http://www.bobcatturf.com)

# PARTS MANUAL

**CALIFORNIA**

**Proposition 65 Warning**

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

**⚠ WARNING**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**Californie Proposition 65 Avertissement**

Les échappements des moteurs diesel et certains de leurs composés sont reconnus par l'Etat de Californie pour être cancérigènes, provoquer des défauts congénitaux et d'autres dangers en matière de reproduction.

**⚠ AVERTISSEMENT**

L'émission du moteur de ce matériel contient des produits chimiques que l'Etat de Californie considère être cancérigènes, provoquer des défauts congénitaux et d'autres dangers en matière de reproduction.

**California Advertencia de la Proposicion 65**

El estado de California hace saber que los gases de escape de los motores diesel y algunos de sus componentes producen cáncer, defectos de nacimiento y otros daños en el proceso de reproducción humana.

**⚠ ADVERTENCIA**

El estado de California hace saber que los gases de escape de este producto contienen productos químicos que producen cáncer, defectos de nacimiento y otros daños en el proceso de reproducción humana.

**CALIFORNIA**

**Proposition 65 Warning**

Battery posts, terminals, wiring insulation, and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
**WASH HANDS AFTER HANDLING.**

## IMPORTANT MESSAGE

Thank you for purchasing this Schiller Grounds Care, Inc. product. You have purchased a world class mowing product, one of the best designed and built anywhere.

This machine comes with an Operation and Safety Manual and a separate Setup, Parts and Maintenance Manual. The useful life and good service you receive from this machine depends to a large extent on how well you read and understand these manuals. Treat your machine properly, lubricate and adjust it as instructed, and it will give you many years of reliable service.

Your safe use of this Schiller Grounds Care, Inc. product is one of our prime design objectives. Many safety features are built in, but we also rely on your good sense and care to achieve accident-free operation. For best protection, study the manuals thoroughly. Learn the proper operation of all controls. Observe all safety precautions. Follow all instructions and warnings completely. Do not remove or defeat any safety features. Make sure those who operate this machine are as well informed and careful in its use as you are.

See a Schiller Grounds Care, Inc. dealer for any service or parts needed. Schiller Grounds Care, Inc. service ensures that you continue to receive the best results possible from Schiller Grounds Care, Inc. products. You can trust Schiller Grounds Care, Inc. replacement parts because they are manufactured with the same high precision and quality as the original parts.

Schiller Grounds Care, Inc. designs and builds its equipment to serve many years in a safe and productive manner. For longest life, use this machine only as directed in the manuals, keep it in good repair and follow safety warnings and instructions. You'll always be glad you did.

**Schiller Grounds Care, Inc.**  
**One Bob Cat Lane**  
**Johnson Creek, WI 53038-0469**

| <b>TABLE OF CONTENTS .....</b>          | <b>FIGURES.....</b> | <b>PAGE</b> |
|-----------------------------------------|---------------------|-------------|
| SAFETY.....                             |                     | 2           |
| ASSEMBLY AND SETUP .....                |                     | 3-5         |
| MAINTENANCE CHART .....                 |                     | 6           |
| MAINTENANCE RECORD.....                 |                     | 7           |
| MAINTENANCE .....                       |                     | 8-14        |
| ADJUSTMENTS .....                       |                     | 15-19       |
| BELT REPLACEMENT .....                  |                     | 20          |
| SPECIFICATIONS.....                     |                     | 21-24       |
| PARTS SECTION.....                      |                     | 25          |
| UPPER ENGINE DECK ASSY AIR COOLED ..... | FIGURE 1.....       | 26, 28      |
| LOWER ENGINE DECK ASSY/CLUTCH.....      | FIGURE 2.....       | 28, 29      |
| BUMPER.....                             | FIGURE 3.....       | 30, 31      |
| FUEL TANKS/CONTROL PANEL.....           | FIGURE 4.....       | 32, 33      |
| BRAKES/REAR WHEEL .....                 | FIGURE 5.....       | 34, 35      |
| OIL COOLER.....                         | FIGURE 6.....       | 36, 37      |
| HYDRAULICS - AIR COOLED .....           | FIGURE 7.....       | 38, 39      |
| HYDROGEAR PUMP .....                    | FIGURE 8.....       | 40, 41      |
| KAWASAKI WIRE HARNESS- AIR COOLED ..... | FIGURE 9.....       | 42, 43      |
| SEAT ASSEMBLY.....                      | FIGURE 10.....      | 44, 45      |
| FOLDING ROPS .....                      | FIGURE 11.....      | 46, 47      |
| STEERING/DECK LIFT .....                | FIGURE 12.....      | 48, 49      |
| CRADLE ASSEMBLY .....                   | FIGURE 13.....      | 50, 51      |
| CRADLE & CASTER ASSEMBLY .....          | FIGURE 14.....      | 52, 53      |
| 52" SIDE DISCHARGE.....                 | FIGURE 15.....      | 54, 55      |
| 61" SIDE DISCHARGE.....                 | FIGURE 16.....      | 56, 57      |
| CHUTE, BAFFLES, & EDGES .....           | FIGURE 17.....      | 58, 59      |
| DECALS-POWER UNIT .....                 | FIGURE 18.....      | 60, 61      |
| DECALS-CUTTERDECKS .....                | FIGURE 19.....      | 62, 63      |

**NOTICE !!!**

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

Schiller Grounds Care, Inc. strongly warns against, rejects and disclaims any modifications, add-on accessories or product alterations that are not designed, developed, tested and approved by Schiller Grounds Care, Inc. Engineering Department. Any Schiller Grounds Care, Inc. product that is altered, modified or changed in any manner not specifically authorized after original manufacture-including the addition of "after-market" accessories or component parts not specifically approved by Schiller Grounds Care, Inc.-will result in the Schiller Grounds Care, Inc. Warranty being voided.

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



This Operator's Manual should be regarded as part of the machine. Suppliers of both new and second-hand machines must make sure that this manual is provided with the machine.

**¡LEA EL INSTRUCTIVO!**

Si no lee Ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad.

**Schiller Grounds Care, Inc.**

One Bobcat Lane  
Johnson Creek, WI 53038 U.S.A  
Phone: 920-699-2000  
Fax: 920-699-3683

MODEL NUMBER

SERIAL NUMBER



This symbol means:  
**ATTENTION!**  
**BECOME ALERT!**

Your safety and the safety of others is involved.

**Signal word definitions:**

The signal words below are used to identify levels of hazard seriousness. These words appear in this manual and on the safety labels attached to Schiller Grounds Care, Inc. machines. For your safety and the safety of others, read and follow the information given with these signal words and/or the symbol shown above.

**⚠ DANGER**

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

**⚠ WARNING**

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

**⚠ CAUTION**

**CAUTION** indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices or property damage.

**CAUTION**

**CAUTION** used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, **MAY** result in property damage

**MODEL NUMBER:** This number appears on sales literature, technical manuals and price lists.

**SERIAL NUMBER:** This number appears only on your mower. It contains the model number followed consecutively by the serial number. Use this number when ordering parts or seeking warranty information. Located under seat plate on Frame of unit.

## TOOLS REQUIRED FOR ASSEMBLY

- Wrecking bar
- Claw hammer
- Ratchets: 3/8", e
- Sockets: 9/16", 3/4"
- Wrenches: 3/8", 9/16", 3/4"
- Straight edge
- Tire pressure gauge
- Blocks (for deck leveling)

**NOTE:** All references below to the "right" or "left" are with respect to an operator at the controls.

### 1. UNCRATE UNIT

Discard packing materials. Remove and discard shipping brackets. Tighten caster wheel axle bolts against caster axle spanner bushings.

2. **72" in. deck models:** Tires need to be installed using eight 64187-03 wheel nuts included in hardware bag. Torque nut to 75 - 110 ft./lbs.
3. Set rear tire pressures to 12 lbs/in<sup>2</sup> (0.8 kg/cm<sup>2</sup>). Tires are overinflated for shipping. Front tires should be set to 15 lbs/in<sup>2</sup> (1.05 kg/cm<sup>2</sup>).

### 4. DECK LEVELING

- a) Park the machine on a smooth, level surface. Raise the deck to the transport position.
- b) **SIDE DISCHARGE:** Lower the deck onto a pair of equal height blocks **A** under the rear corners of the deck. Place another pair of adjustable blocks **B** under the front of the deck so that the deck top is pitched forward 1/8".

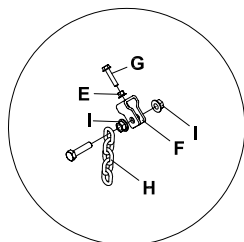
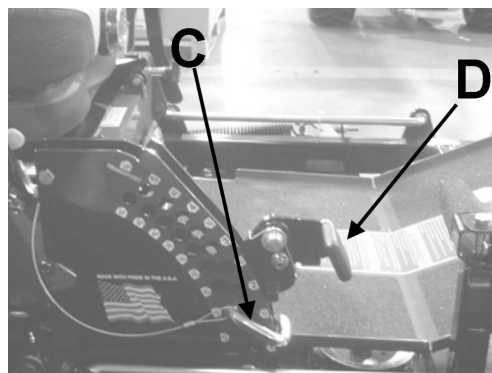
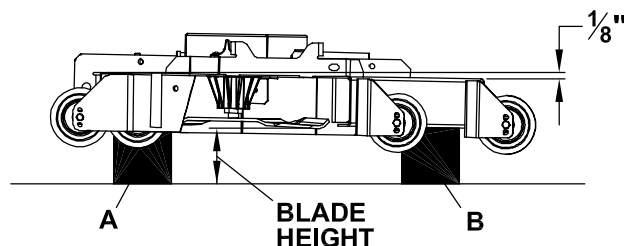
**REAR DISCHARGE:** Lower the deck onto a pair of equal height blocks **A** under the rear corners of the deck. Place another pair of adjustable blocks **B** under the front of the deck so that the deck has a reverse pitch of 1/8".

**NOTE:** The front and rear of the deck are at different heights.

- c) Measure the height of the blade cutting edge above the ground. Remove pin **C** and set the height of cut lever **D** to that height.
- d) Loosen nuts **I** at all four corners of the deck.

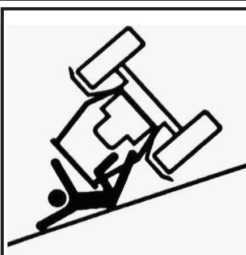
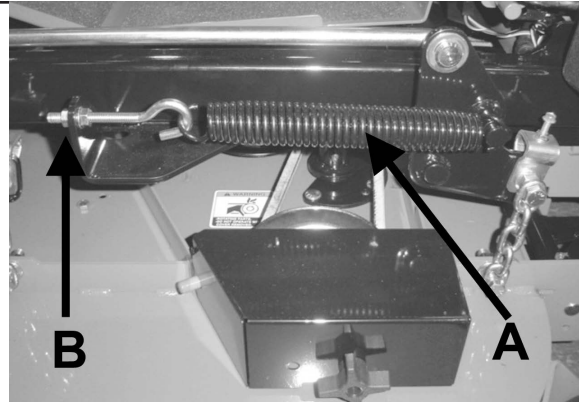
**NOTE:** This will relieve tension on chains **H**.

- e) Loosen the jam nuts **E** on the height of cut clips **F** and adjusting screws **G**. Turn the adjusting screws **G** until the play is taken out of the chains **H** at all four corners. Tighten the jam nuts **E** against the clips **F** and at the adjusting screws **G**. Retighten nuts **I** at this time.



## 5. COUNTERBALANCE SPRINGS

- Raise the cutterdeck all the way.
- Adjust the spring **A** with nut **B**:  
Approximately 1" of threads should be extending past the spring mounting bracket at nut **B**.  
The springs may be tightened or loosened from this point according to personal preference.



### ⚠ WARNING

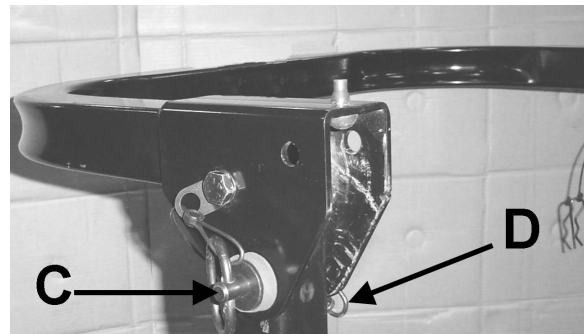
SERIOUS INJURY OR DEATH MAY RESULT FROM MACHINE ROLLOVER

- DO NOT OPERATE MACHINE ON STEEP SLOPES OR NEAR DROP OFFS
- ALWAYS USE SEAT BELTS WITH ROPS IN RAISED POSITION
- AVOID SHARP AND/OR QUICK TURNS
- DO NOT EXCEED THE MACHINE WEIGHT RATING OF THE ROPS

### ⚠ WARNING

ROLLOVER MAY CAUSE PERMANENT INJURY OR DEATH.

- ROPS RAISES THE CENTER OF GRAVITY AND REDUCES STABILITY ON SLOPES.
- SUDDEN STARTS OR TURNS ON RAMPS OR SLOPES CAN CAUSE OVERTURN.
- USE GREATER CARE ON RAMPS AND AS THE SLOPE INCREASES.



## 6. ROPS (Roll Over Protection Structure)

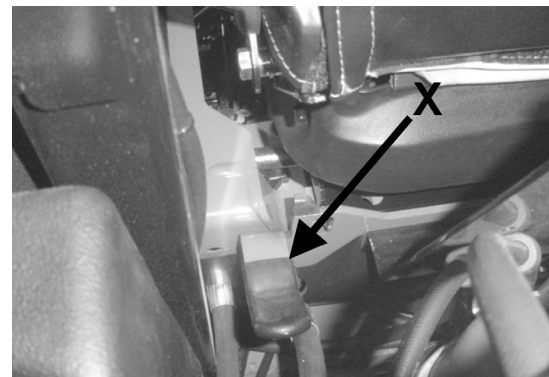
The ROPS reduces the risk of serious or fatal injury in the unlikely event of a tip over, although the system cannot protect the operator from all possible injuries. It is not designed, made, or intended to provide protection for a machine that is driven off an embankment, retaining wall or similar situation. A ROPS does not replace the need to exercise care when operating on slopes. **DO NOT USE SEATBELT WHEN ROPS IS IN THE LOWERED POSITON.**

IMPORTANT:

- Do not cut, drill, modify or repair a ROPS structure in any manner..b) Always replace a damaged ROPS.
- Inspect roll bar and seat belts for damage or loose hardware before use. Tighten/replace any loose/damaged hardware. Replace worn or damaged seat belts.

**SET UP:** Remove cotter pin **D** from hitch pin **C**. Pull out hitch pin **C**, rotate upper hoop to the upright position. Reinstall hitch pin **C**. Reinstall cotter Pin **D** through hitch pin **C**.

Ensure that seat plate is secured using spring-loaded latch. To flip seat forward, push down on handle **X**.



### ⚠ WARNING

This ROPS is certified for use on machines with a maximum gross vehicle weight (GVW) of 2000 LB. The GVW includes the weight of the base machine, operator, fuel, ROPS and any other attachments and payloads. When attachments are added, causing the GVW of the machine to be more than 2000 LB., the ROPS may not provide adequate protection resulting in serious injury or death. Use caution when installing attachments and **DO NOT EXCEED** the GVW rating of the ROPS.

## 7. FINAL PREPARATIONS

- Check the engine and hydraulic oil levels. Top up with the correct oil if necessary. Use SAE 10W30 motor oil for the engine. Use fresh, clean SAE 15W40 or SAE 20W50 motor oil or SAE 15W50 synthetic motor oil for the hydraulic system. After running for one hour, let hydraulic system oil cool. When cold check levels.
- Remove the battery from the machine. Fill the battery to the bottom of the vent wells with acid and trickle charge for several hours.



**WARNING** Battery acid is caustic and fumes are explosive and can cause serious injury or death.

Use insulated tools, wear protective glasses or goggles and protective clothing when working with batteries. Read and obey the battery manufacturer's instructions.

Be certain the ignition switch is OFF and the key has been removed before servicing the battery.

- a) Verify battery polarity before connecting or disconnecting the battery cables.
  - b) When installing the battery, always assemble the RED, positive ( + ) battery cable first and the ground, BLACK, negative ( - ) cable last.
  - c) Tighten cables securely to battery terminals and apply a light coat of silicone dielectric grease to terminals and cable ends to prevent corrosion. Keep terminal covers in place.
- Read Operation and Safety Manual before starting.
  - Deck can be adjusted to allow for the best horsepower, best quality of cut, or best pipping. See deck leveling procedure in the Adjustments Section in this manual to set as desired.
  - Run engine at full RPM for 5 minutes before engaging blades to allow the engine to be fully lubricated before load is applied.
  - Check the hydrostat neutral adjustment. Neutral is set at the factory but may require readjustment if air trapped during the initial oil fill has worked out of the system. See adjustments section later in this manual.
  - Do not use the machine without an approved grass collector, the grass discharge chute or mulching plates correctly fitted.

| MAINTENANCE OPERATION                                                 | Maintenance is an ongoing job. These intervals are maximum times between maintenance operations. Perform more often under severe conditions. |                                  |                |                |                 |                 |                 |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------|----------------|-----------------|-----------------|-----------------|
|                                                                       | FIRST 5 HOURS                                                                                                                                | DAILY                            | EVERY 25 HOURS | EVERY 50 HOURS | EVERY 100 HOURS | EVERY 200 HOURS | EVERY 500 HOURS |
| <b>ENGINE</b>                                                         |                                                                                                                                              |                                  |                |                |                 |                 |                 |
| Consult the engine manual for additional information and instructions |                                                                                                                                              |                                  |                |                |                 |                 |                 |
| Check/Top Off Engine Coolant Level<br>(Where Applicable)              |                                                                                                                                              | X                                |                |                |                 |                 |                 |
| Check/Top Off Oil Level                                               |                                                                                                                                              | X                                |                |                |                 |                 |                 |
| Check For Leaks                                                       |                                                                                                                                              | X                                |                |                |                 |                 |                 |
| Clean Air Intake Screen                                               |                                                                                                                                              | X                                |                |                |                 |                 |                 |
| Clean Air Cleaner Precleaner                                          |                                                                                                                                              |                                  | X*             |                |                 |                 |                 |
| Clean Air Cleaner Element                                             |                                                                                                                                              |                                  |                |                | X               | X**             |                 |
| Clean Cooling Fins                                                    |                                                                                                                                              |                                  |                |                | X               |                 |                 |
| Change Oil And Filter                                                 | X                                                                                                                                            | See engine manufacturer's manual |                |                |                 |                 |                 |
| Check/Replace Spark Plugs                                             |                                                                                                                                              |                                  |                |                |                 | X               |                 |
| * N/A IF EQUIPPED WITH HEAVY DUTY CYCLONIC AIR CLEANER                |                                                                                                                                              |                                  |                |                |                 |                 |                 |
| **IF EQUIPPED WITH HEAVY DUTY CYCLONIC AIR CLEANER                    |                                                                                                                                              |                                  |                |                |                 |                 |                 |
| <b>HYDRAULICS</b>                                                     |                                                                                                                                              |                                  |                |                |                 |                 |                 |
| Check For Leaks                                                       | X                                                                                                                                            | X                                |                |                |                 |                 |                 |
| Check/Top Off Oil Level                                               | X                                                                                                                                            |                                  |                |                | X               |                 |                 |
| Change Oil And Filter                                                 | X                                                                                                                                            |                                  |                |                |                 |                 | X               |
| <b>MACHINE</b>                                                        |                                                                                                                                              |                                  |                |                |                 |                 |                 |
| Check Interlock Operation                                             |                                                                                                                                              | X                                |                |                |                 |                 |                 |
| Check Tire Pressures                                                  |                                                                                                                                              | X                                |                |                |                 |                 |                 |
| Check/Top Off Battery                                                 |                                                                                                                                              |                                  |                |                | X               |                 |                 |
| Lubricate All Points                                                  |                                                                                                                                              |                                  |                |                |                 | X               | X               |

## This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

7

## CHECK DAILY

### Operator Presence Interlock System - Start Operation

For the engine to crank, the parking brake must be on, the PTO (blades) off and traction levers in the neutral lock position. Sit in the seat and check, one by one, if the engine will crank with the parking brake off, the blades on, and either traction lever out of neutral lock. Also, make sure engine coolant temperature gauge light flashes upon turning key to the **ON** position.

### Operator Presence Interlock System - Run Operation

The operator must be in the seat for the engine to run with the parking brake off, the traction levers moved out of the neutral lock position, or the blades on. To check:

1. Start the engine and run at 1/2 throttle with the operator on the machine but raised off the seat.
2. One by one: move the parking brake to the OFF position, traction levers out of the neutral lock position (check each independently), and turn the blades on. Each check should kill the engine after 1/2 second. (A 1/2 second delay is built into the system to prevent engine cutout when traversing rough terrain.)

Repair machine before using if the Operator Presence Interlock System does not operate correctly in start or run. Contact your authorized BOB-CAT dealer.

### Hardware

Tighten any nuts and bolts found loose. Replace any broken or missing cotter pins. Repair any other problems before operating.

### Tire pressure

Rear tires should be kept inflated at 12 lbs/in<sup>2</sup> (.8 kg/cm<sup>2</sup>). Improper tire inflation can cause rapid tire wear and poor traction. Uneven inflation can cause uneven cutting. Front tires should be set to 15 lbs/in<sup>2</sup> (1.05 kg/cm<sup>2</sup>).

## BATTERY-AGM TYPE BATTERY SUPPLIED

**⚠ WARNING** Battery acid is caustic and fumes are explosive and can cause serious injury or death. Use insulated tools, wear protective glasses or goggles and protective clothing when working with batteries. Read and obey the battery manufacturer's instructions.

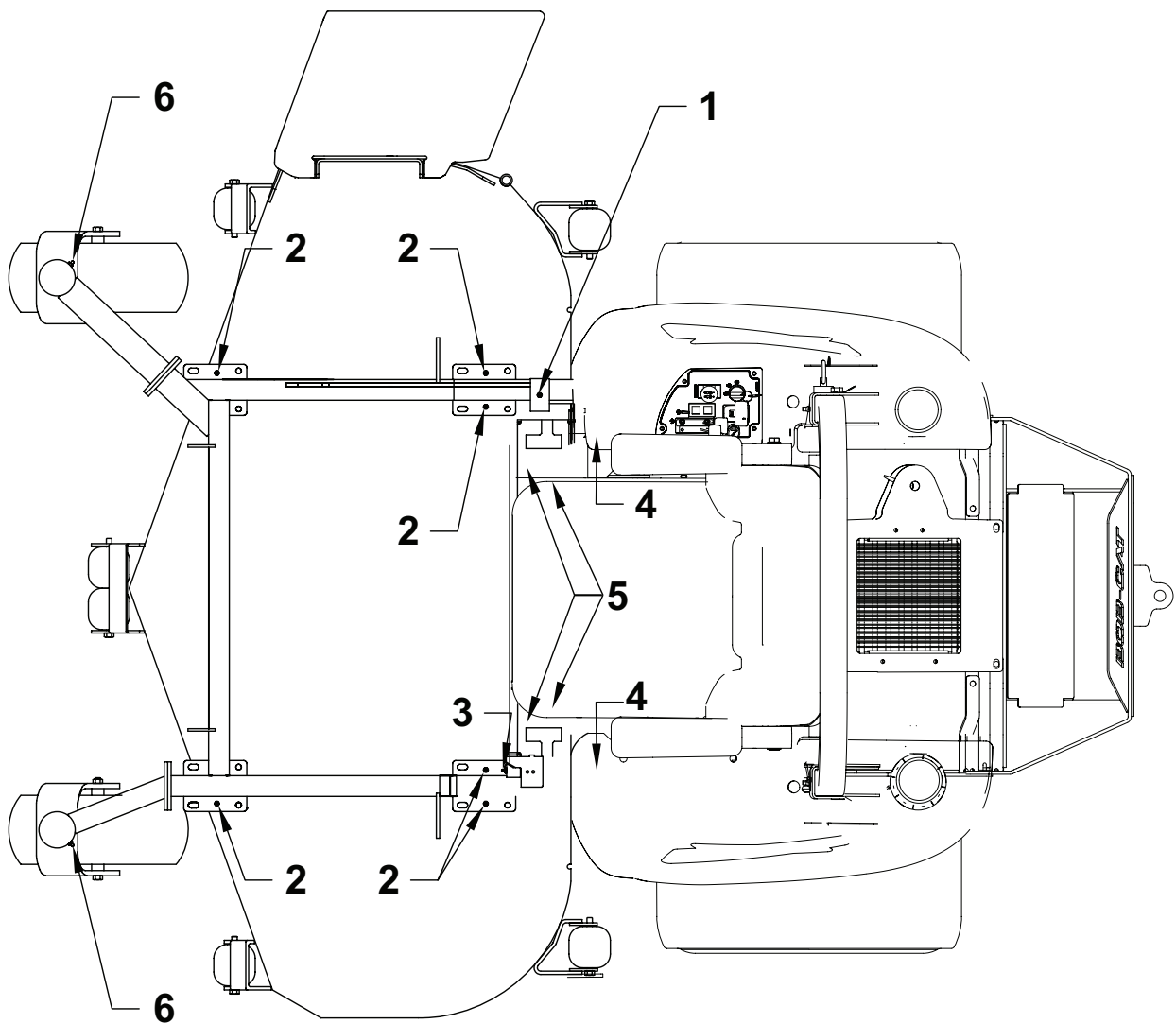
Be certain the ignition switch is OFF and the key has been removed before servicing the battery.

1. Verify battery polarity before connecting or disconnecting the battery cables.
2. When installing the battery, always assemble the RED, positive ( + ) battery cable first and the ground, BLACK, negative ( - ) cable last.
3. When removing the battery, always remove the ground, negative ( - ) cable first and the red, positive ( + ) cable last.

4. AGM type battery. **Use AGM charger when charging. P/N 4171973**

5. Clean the cable ends and battery posts with steel wool. Use a solution of baking soda and water to clean the battery. Do not allow the solution to enter into the battery cells.

6. Tighten cables securely to battery terminals and apply a light coat of silicone dielectric grease to terminals and cable ends to prevent corrosion. Keep terminal covers in place.



## LUBRICATION

Every 50 hours of operation, lubricate the following points (1-4) with grease:

1. Deck lift rockshaft (1 point)
  2. Deck lift pivots (6 points)
  3. Brake lever pivot (1 point)
  4. Push arms (2 points located at rear of cutterdeck under each fuel tank)
  5. Isolation mounts (4 points located under seat at front of machine.)
  6. Caster wheel pivots (2 points)
- (Lubricate every 500 hours or once a year)

**NOTE ON BLADE SPINDLES** - The blade spindles on these machines use a superior sealed bearing that does not require relubrication.

## HYDRAULIC SYSTEM

Fluid level in the hydraulic system should be checked after the first 5 hours of operation, and every 100 hours thereafter, or when a leak has occurred. If the fluid is low, check all components for leaks.

To check, remove reservoir cap **M**. The fluid level should be at the bottom of the filler tube. If low, top up (do not overfill). Use one of the oils listed below:

- SAE 15W40 motor oil
- SAE 20W50 motor oil
- 15W50 synthetic motor oil

## AFTER FIRST FIVE (5) HOURS

1. Remove plug **N** to drain hydraulic reservoir. Dispose of used oil in accordance with local requirements.
2. Clean and replace the plug.
3. Change hydraulic oil filter **G**.
4. Fill the reservoir with fresh oil to the bottom of the reservoir filler tube, using an oil from the list above. Do not overfill.

## PERIODIC OIL CHANGES

Change the hydraulic fluid and hydraulic filter after each 500 hours of operation using the same procedure given above.

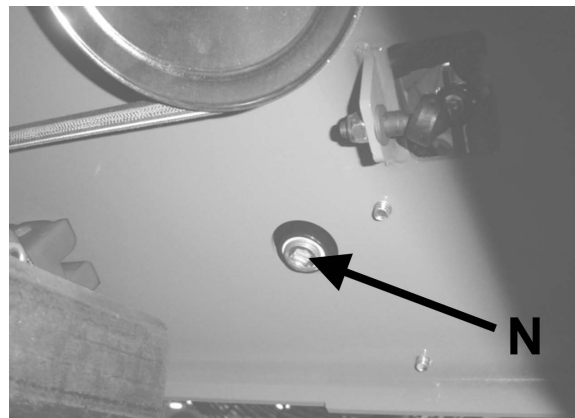
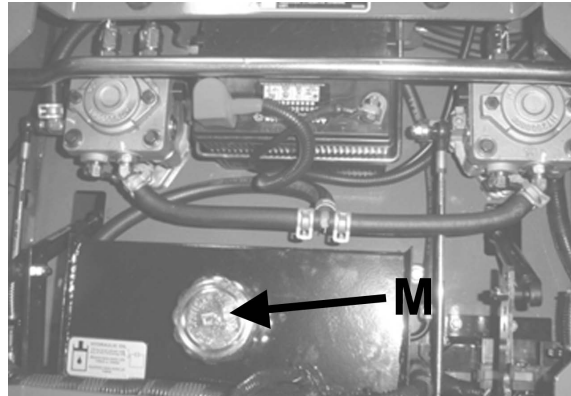
## NOTES:

Before servicing the hydraulic system, stop the engine, disconnect spark plug wires and disengage the PTO.

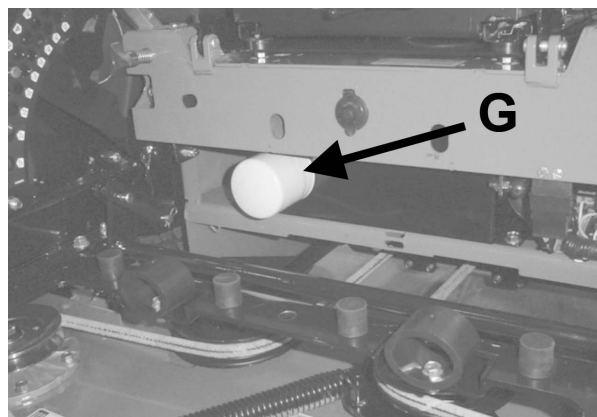
- After any hydraulic line is opened, plug or cap it promptly to reduce the risk of contamination.
- Do not use sealant tape on hydraulic pipe fittings. Use a liquid sealant that will dissolve into the system.
- Make sure all hydraulic connections are tight and hydraulic hoses and lines are in good condition before applying pressure to system.

## **⚠ WARNING**

The machine's hydraulic system operates under high pressure. When checking for leaks, do not use your hands to attempt to find a leak. Instead, use cardboard or paper. Escaping hydraulic fluid can be under sufficient pressure to penetrate skin and cause serious injury. If hydraulic fluid is injected into the skin, it must be promptly removed by a doctor familiar with this form of injury or gangrene may result.



View from below machine



## PROCAT SE

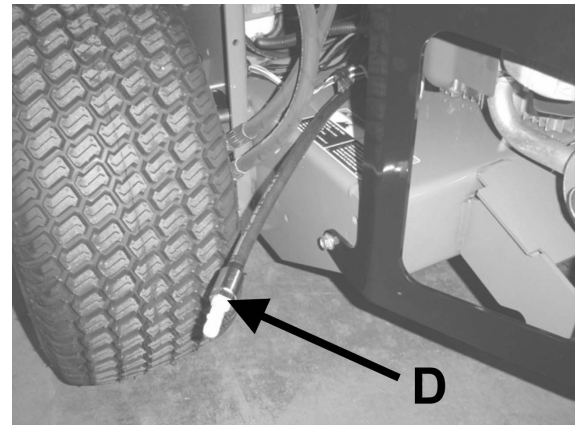
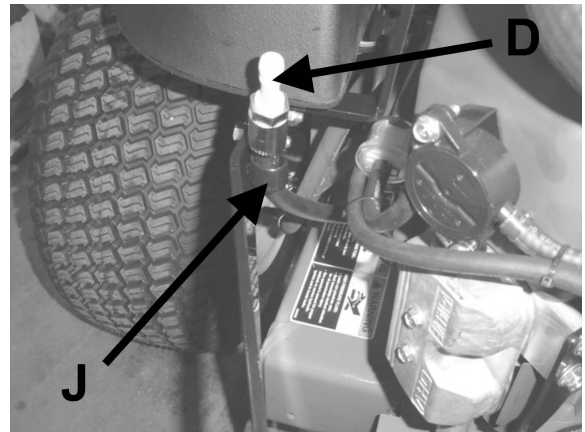
### ENGINE OIL

Do not perform engine maintenance without the engine off, spark plug wires disconnected and PTO disengaged.

#### AFTER FIRST FIVE (5) HOURS

While the engine is warm:

1. Release the oil drain hose assembly from the engine clip **J**. Lay hose assembly over the frame edge.
2. Remove the rubber cap **D** from the tip of the hose assembly and turn the drain valve to allow oil to drain from the engine. Dispose of used oil in accordance with local requirements.
3. Clean drain valve and tighten the plastic portion of the drain valve back into the metal portion of the valve. Replace rubber cap over the tip of the valve. Replace hose assembly back into engine clip.
4. Change oil filter.
5. Fill the crankcase with fresh oil to the full mark. Do not overfill. See engine manual for oil specifications.



#### DAILY

1. Check oil level with the dipstick.
2. If oil is needed, add fresh oil of proper viscosity and grade. See engine manual for oil specifications. Do not overfill.
3. Replace dipstick before starting engine.

#### PERIODIC OIL CHANGES

1. See engine manual for oil and filter change intervals after the break-in period.
2. Follow instructions for first oil change, above.

### SPARK PLUGS

Remove each plug and check condition.

- Good operating conditions are indicated if the plug has a light coating of grey or tan deposit.
- A white blistered coating indicates overheating. A black coating indicates an “over rich” fuel mixture. Both may be caused by a clogged air cleaner or improper carburetor adjustment.
- Do not sandblast, wire brush or otherwise attempt to repair a plug in poor condition. Best results are obtained with a new plug.
- Set plug gap as specified in engine manual..

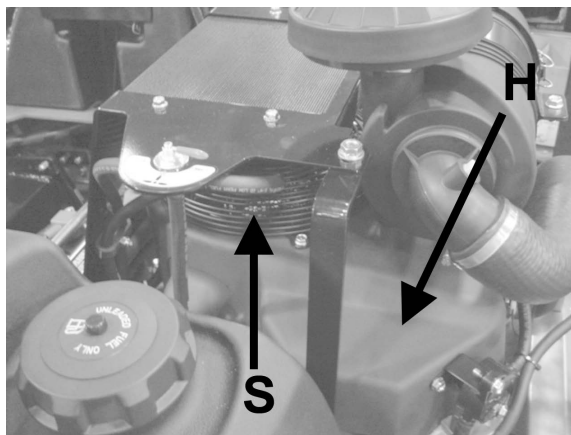
## FUEL FILTER

An inline fuel filter is located in the fuel supply line. Inspect at every oil change to make sure it is clean and unobstructed. Replace if dirty.

## ENGINE COOLING

Continued operation with a clogged cooling system will cause severe overheating and can result in engine damage.

- **Daily:** Clean air intake screen **S** on air cooled engines.
- **Every 100 hours:** Clean cooling fins beneath blower housing **H** with reference to information in the engine manufacturer's manual.

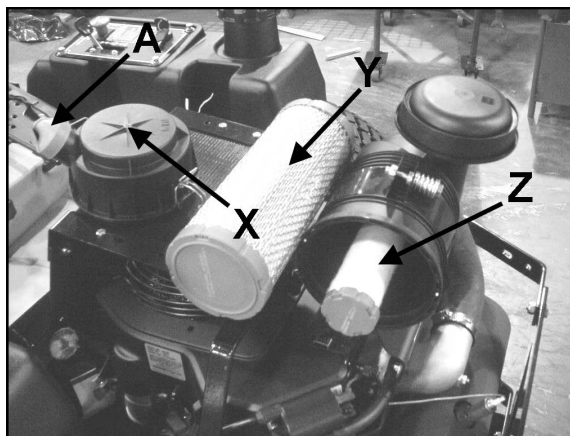


## HEAVY DUTY CYCLONIC AIR CLEANER

Clean and replace the air cleaner element as specified in the service chart. Uneven running, lack of power or black exhaust fumes may indicate a dirty air cleaner.

### To replace air cleaner elements:

1. Unclamp end cover **X** and remove existing cleaner elements.
2. Insert new elements **Y** and **Z** and replace cover. Ensure the breathing port **A** is pointing down and towards the front of the tractor.



## CLEANING MACHINE

Clean the machine after use. Compressed air is recommended. Do not use a pressure washer. The machine will run cooler and last longer if kept free of clippings and other debris. A clean machine also reduces the risk of fire due to accumulation of combustible debris and chaff.

Brush or blow clippings and debris off the cutterdeck and engine deck. DO NOT use a pressure washer.

## WASHING MACHINE

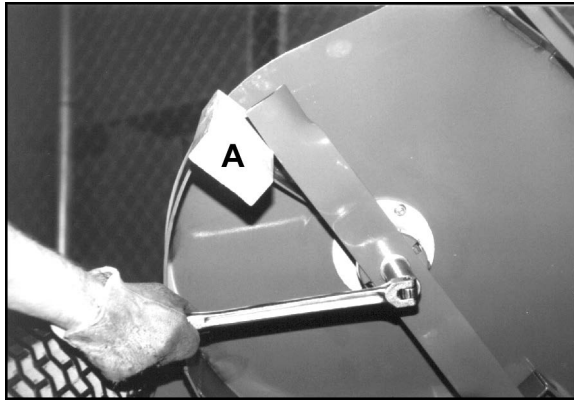
**CAUTION:** Improperly washing a machine can cause water to enter bearings and other components. This can greatly reduce component life.

- Do not use a pressure washer. Do not direct water at bearings or seals. High pressure water can blow past seals and enter sealed bearings.
- Allow the machine to cool down before washing. Water on a warm machine can be sucked into sealed bearings as they cool.
- Avoid getting electrical connections wet. Water can cause electrical faults and corrosion of electrical components.

## BLADE REMOVAL

Follow these instructions to prevent injury during blade removal:

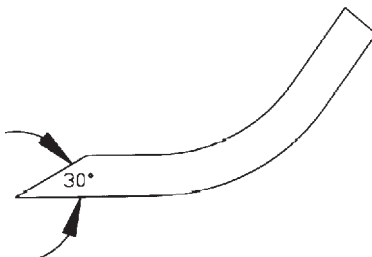
1. Loosen with a box wrench or a socket and long breaker bar. To gain additional leverage, slip a long pipe or thick-walled tube over breaker bar or wrench.
2. Insert wood block **A** as shown, with grain perpendicular to blade, to prevent blade from turning when loosening.
3. Wear thickly padded gloves. Keep hands clear of blade path. Blades may rotate when bolt releases.



## SHARPENING

Blades may be sharpened by filing or grinding.

- Inspect blades before sharpening.
- Replace bent or cracked blades.
- Replace blades when the lift portion has worn thin.
- Maintain cut angle at 30°.
- Do not overheat blades when sharpening.
- Always use BOB-CAT blades. Use of another manufacturer's blades may be dangerous.



## BLADE BALANCE

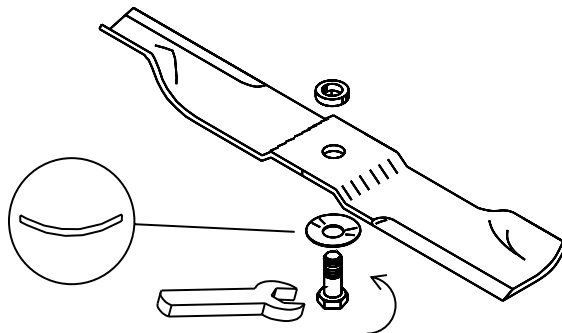
Blade balance must be maintained at 5/8 oz-in (19.4 g-cm) or less. Failure to keep blades balanced causes excess vibration, wear, and shortened life of most components of the machine.

### To balance a blade:

1. Sharpen blade first.
2. Balance the blade at the center.
3. Attach a 1/8 oz (3.9 g) weight at a distance 5" (127 mm) from center on the light end. This should make the light end the heavy end:
  - If it does, the blade is balanced.
  - If does not, file or grind the heavy end until the addition of the weight makes the light end the heavy end.

## BLADE INSTALLATION

1. Wear thickly padded gloves to prevent cuts from the sharp blade.
2. Insert the blade bolt, in order, through the conical washer (cup side toward the blade, as shown), the blade, and the blade spacer.
3. Install assembly on the blade spindle.
4. Torque the blade bolt to 70 ft-lbs.



## BELTS

All belts are tensioned by spring loaded idlers. No adjustment is required.

## DECK LEVELING

- Park the machine on a smooth, level surface. Raise the deck to the transport position.
- Lower the deck onto a pair of equal height blocks **A** under the rear corners of the deck. Place another pair of adjustable blocks **B** under the front of the deck so that the deck top is pitched forward 1/8".

A 1/8" forward pitched deck provides the best horsepower.

A level deck provides the best quality of cut.

A 1/8" rearward pitched deck provides the best striping.

Certain grass types and conditions may vary.

**NOTE:** The front and rear of the deck are at different heights.

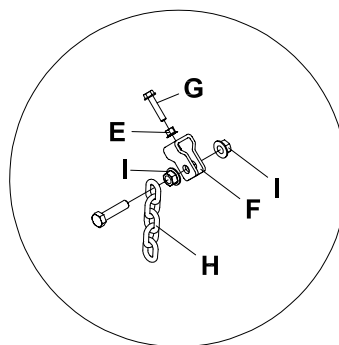
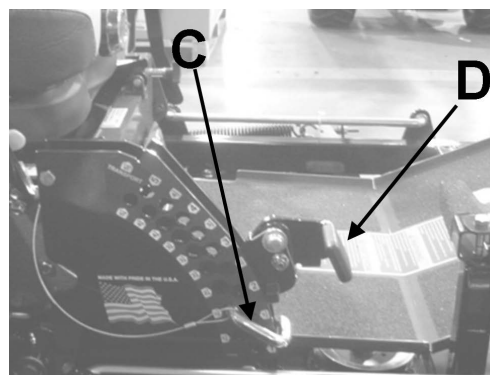
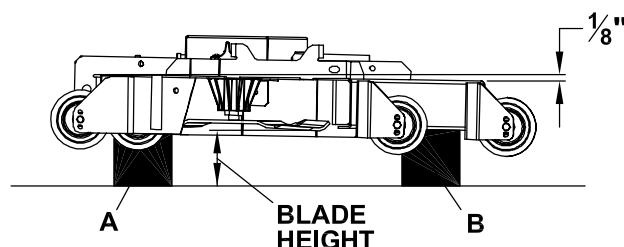
- Measure the height of the blade cutting edge above the ground. Remove pin **C** and set the height of cut lever **D** to that height.

- Loosen nuts **I** at all four corners of the deck.

**NOTE:** This will relieve tension on chains **H**.

- Loosen the jam nuts **E** on the height of cut clips **F** and adjusting screws **G**. Turn the adjusting screws **G** until the play is taken out of the chains **H** at all four corners. Tighten the jam nuts **E** against the clips **F** and at the adjusting screws **G**. Retighten nuts **I** at this time.

## FORWARD PITCH SHOWN



## HEIGHT OF CUT

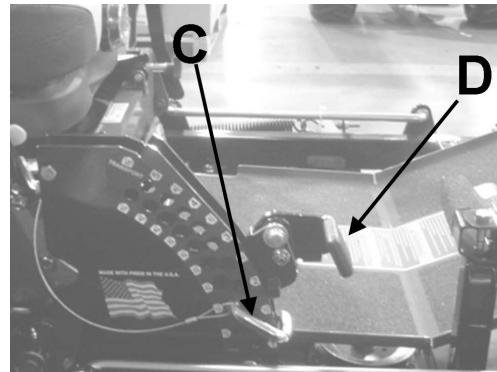
The height of cut is set by moving height of cut pin **C** to the hole designated for the height of cut desired.

To change the height of cut:

1. Lift the deck lever **D** to the highest position.
2. Move pin **C** to the selected hole.
3. Lower the deck until the lift lever is stopped by the pin.

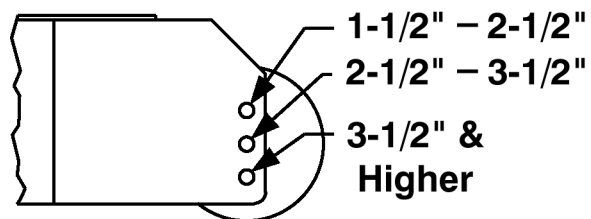
### NOTES:

- Height of cut may vary due to the amount of tread on the tires, tire diameter or inflation pressure.
- For best results, adjust the rear deck rollers for the height of cut to be used (see below).



## REAR DECK ROLLERS

The rear outside deck rollers are adjustable up and down to provide improved deck flotation and scalping protection at various heights of cut. They are not intended to ride continuously on the ground. Adjust no closer than 3/8" (10mm) to the ground.

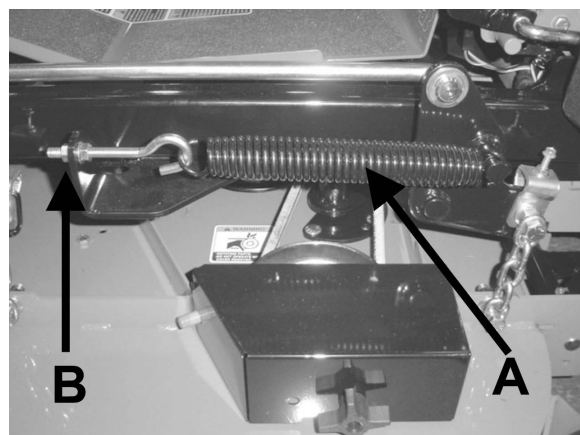


Height of cut ranges for roller adjustment

## COUNTERBALANCE SPRINGS

1. Raise the cutterdeck all the way.
2. Adjust the spring **A** with nut **B**: The spring length should be set at approximately 8-3/4", inside loop to inside loop, when in transport position.

The springs may be tightened or loosened from this point according to personal preference.



## CONTROL LEVERS

There are two mounting positions for the control levers, upper and lower. The lower position works well for most people. Taller operators may need the upper position.

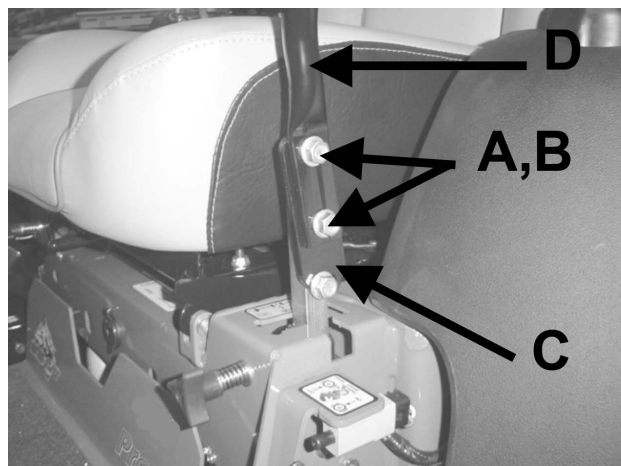
To adjust the height of the control levers:

- Remove bolts **A** and nuts **B**.
- Align holes in control lever **D** with appropriate holes in traction lever bracket **C**.
- Install bolts **A** and nuts **B**.

The upper mounting hole for the control levers is slotted to allow fore-aft adjustment and to allow alignment of the levers.

To adjust or align the control levers:

- Loosen nuts **B**.
- Adjust control lever position.
- Tighten nuts **B**.



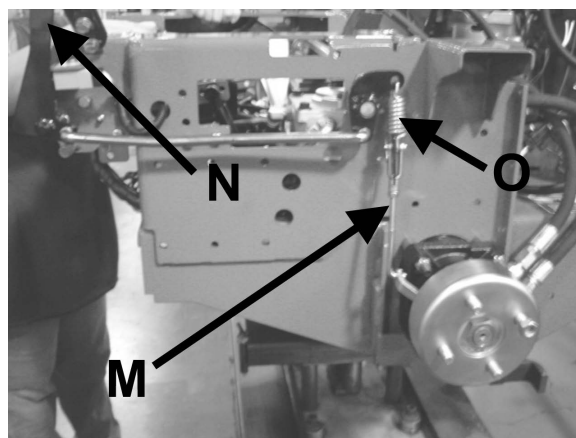
## PARKING BRAKE

Park machine on a smooth level surface.

Support the machine with the rear wheels off the ground, using jack stands or equivalent. DO NOT rely on mechanical or hydraulic jacks.

1. Remove rear wheels.
2. Measure spring length **O** with parking brake **N** in the OFF position.
3. Move parking brake **N** to the ON position and measure length of spring **O** again. When spring deflects 3/8" it is properly adjusted.
4. If adjustment is required, return parking brake **N** to the OFF position.
5. Disconnect one end of rod **M** at the brake and loosen jam nut.
6. Adjust rod **M** in or out as required until 3/8" deflection in brake spring **O** is achieved with parking brake **N** in the ON position.
7. Reconnect rod **M** and retighten jam nut.
8. Repeat steps 2-7 on opposite side of machine.
9. Replace wheels and tighten wheel nuts.

**NOTE:** Parking brake must be in the OFF position to properly seat brake drums.



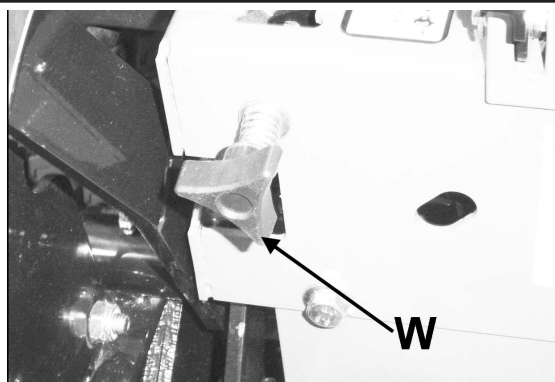
**Parking brake assembly (tire and deck not shown for clarity - brake in ON position).**

This adjustment will cause the brake springs to stretch 3/8" when the parking brake is in the ON position, providing the correct parking brake force without overloading the brake arm.

## TRACKING HANDLES

An adjustment is provided to allow the operator to adjust machine tracking during operation.

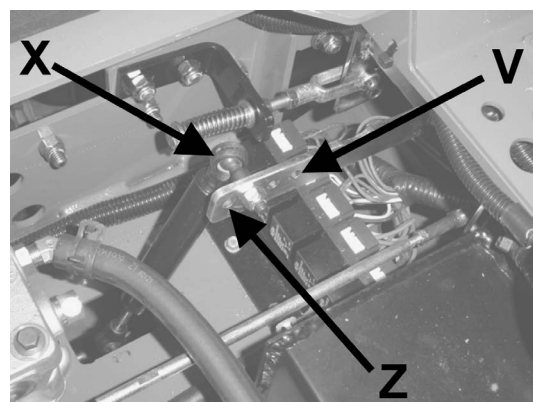
1. Turn knob **W** clockwise to shorten control lever travel.
2. Turn knob **W** counter-clockwise to increase control lever travel.



## DAMPERS

Different damper mounting holes have been provided for various operator preferences with control lever motion.

1. For a stronger resistance feel, mount the dampers **X** in the outer most hole **Z** of the motion control weldment.
2. For a lighter resistance feel, mount the dampers **X** in the inner most hole **V** of the motion control weldment.

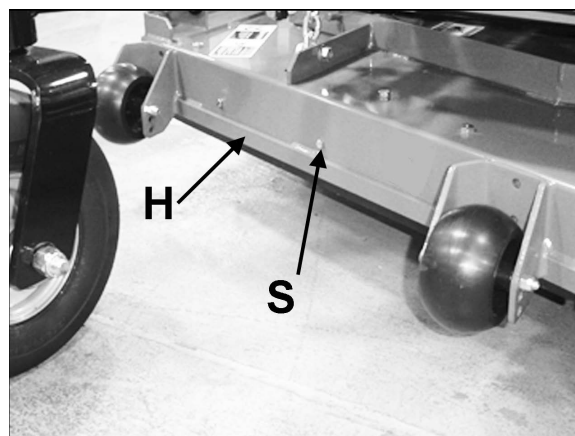


## FRONT DECK LIP

Adjustable front deck lips have been provided on 48in., 52 in. and 61 in. cutterdecks for various cutting conditions.

To revise per conditions:

1. Loosen the front bolts **S**.
2. Adjust height of **H**.
3. Retighten **S** once you have desired height.



## HYDROSTAT ADJUSTMENTS

A turnbuckle-style hydrostat neutral adjustment is provided.

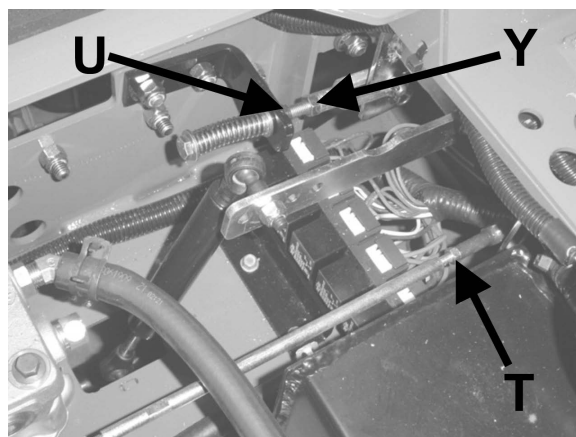
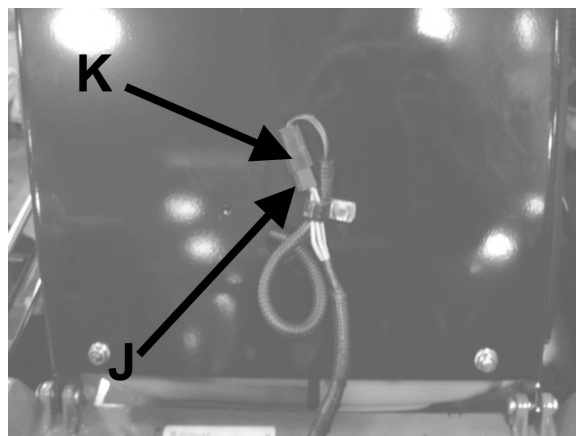
### Neutral:

1. Support the machine with the rear wheels off the ground. Use jackstands or equivalent support. Do not rely only on mechanical or hydraulic jacks.
2. Move the traction levers out into the neutral lock position and raise the seat.
3. Disconnect the seat switch wire **K** and temporarily connect the two terminals with jumper wire **J** as shown.
4. Start the engine and run at low speed.
5. Loosen jam nuts **T** at both ends of the control rod.
6. Rotate the control rod until the corresponding wheel stops turning. Lock the jam nuts. Run the engine up to high idle to check the adjustment. Readjust if necessary.
7. Repeat steps 5 and 6 for the opposite side.
8. Remove the jumper wire **J** and reconnect the seat switch.

### Reverse Return:

1. Move traction levers out to the neutral lock position and raise the seat.
2. Locknut **U** should be run on the bolt as far as it will go.
3. Loosen jam nut **Y**. Adjust the clevis yoke by turning the head of the bolt until the clevis pin just makes contact with the rear of the slot in the lever it connects with. Tighten jam nut **Y**.
4. Repeat steps 2 and 3 for the opposite side.

**NOTE:** A slight creep in reverse is acceptable provided the wheel does not turn and the hydrostat pump does not whine when the parking brake is on.



Right side adjustments

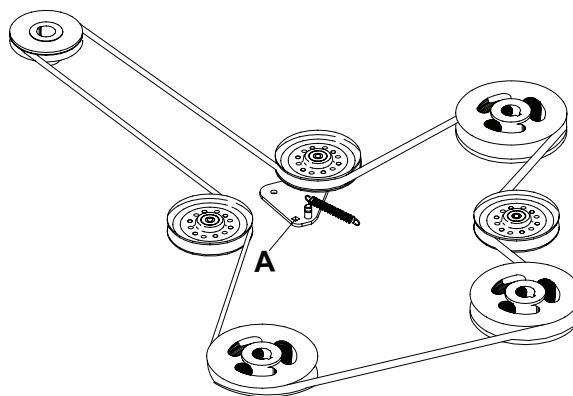
**Note:** Always use Schiller Grounds Care, Inc. replacement belts, not general purpose belts. Schiller Grounds Care, Inc. belts are specially designed for use on commercial mowers and will normally last longer.

## CUTTERDECK BELT

1. Tilt floorplate all the way forward.
2. Set the cutterdeck in a middle height-of-cut position.
3. Use a 3/8" ratchet and extension to back tensioning idler off to remove belt from idler. Remove belt from cutterdeck pulleys.

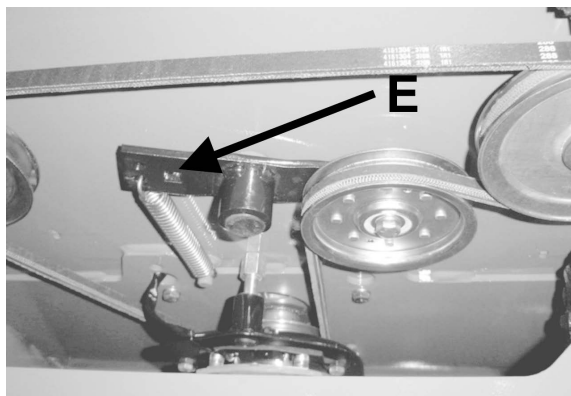
**NOTE:** Use the 3/8" ratchet in the square hole **A** on the idler.

4. Remove belt from clutch pulley.
5. Install the new belt by performing these steps in reverse order.



## PUMP-DRIVE BELT

1. Remove engine-cutterdeck belt (see engine-cutterdeck belt replacement).
2. Attach an extension to a 3/8" drive ratchet. Insert the ratchet extension in the square hole of the pump drive idler arm. Use the ratchet handle to rotate it enough to remove the pump drive belt.
3. Install a new pump drive belt in the same manner as it was removed.
4. Re-install engine-cutterdeck belt (see engine-cutterdeck belt replacement).



## POWER UNITS

### ENGINES:

**Construction:** Aluminum block with cast-in cast iron sleeves. Aluminum head.

**Configuration:** 4-stroke, vertical shaft, V-twin cylinder, overhead valve, air-cooled.

### DRIVE SYSTEM:

Full hydrostatic pump and wheel motor combination for independently controlled drive wheels.

**Pump:** Hydrogear 12cc variable displacement piston pump.

**Motors:** Parker displacement MB series. Direct drive 1-1/4" (31.8mm) diameter output shaft.

**Turn Radius:** True Zero

### OPERATOR PRESENCE

#### INTERLOCK SYSTEM:

**Start:** The PTO (blades) must be off, traction levers in neutral lock, and parking brake on for engine to crank.

**Run:** Operator must be in seat to take parking brake off, to move traction levers out of the neutral lock position, or to turn the PTO (blades) on or the engine will kill. The parking brake must be off for the traction levers to move out of the neutral lock position.

The operator may leave the seat with the engine running if the parking brake is on, the PTO (blades) is off, and the traction levers are in the neutral lock position. A time delay eliminates annoying engine cutout from operation over rough terrain.

### WEIGHT:

1256 lbs (570 kg) w/52" deck

1293 lbs (587 kg) w/61" deck

### CONTROLS:

Throttle; power takeoff (PTO) clutch switch; traction levers; parking brake lever; lift lever.

### FUEL SYSTEM:

One tank on each side of operator, each with a shut-off (1/4 turn). Total capacity 14 gallons (52.9 liters). Fuel selector/shutoff switch on rear cooler mounting bracket(1/4 turn). Replaceable fuel filter.

### MAXIMUM GROUND SPEEDS:

**Forward:** 11.5 mph (18.5 km/h)

**Reverse:** 4 mph (6.4 km/h)

### WHEELS & TIRES:

#### Drive wheels:

942536J: 23 X 10.5-12 4-Ply Turf Tread Tires

942537J: 24 X 12.00-12 4-Ply Turf Tread Tires

#### Casters:

**52", 61":** 13 X 6.5-6 tires

**Rear Tire Pressure:** 12 p.s.i. (0.84 kg/cm<sup>2</sup>)

**Front Tire Pressure:** 15 p.s.i. (1.05 kg/cm<sup>2</sup>)

### BRAKING:

Parker brakes. Spring applied for overload protection.

### SEAT:

High back, foam padded seat with standard armrests. Fore and aft adjusters, hinged for easy tilt-up access to pumps and battery. Internally mounted seat switch.

| ENGINES          |                                                 |                                  |
|------------------|-------------------------------------------------|----------------------------------|
| MODEL NUMBERS    | 942536J                                         | 942537J                          |
| MANUFACTURER     | Kohler                                          | Kohler                           |
| MODEL            | ECV730                                          | ECV749                           |
| CYLINDERS        | 2                                               | 2                                |
| COOLING          | Air                                             | Air                              |
| BORE / STROKE    | 3.3 X 2.7"<br>(83 X 69mm)                       | 3.3 X 2.7"<br>(83 X 69mm)        |
| DISPLACEMENT     | 45 cu. in.<br>(747cc)                           | 45 cu. in.<br>(747cc)            |
| COMPRESSION      | 9.1:1                                           | 9.1:1                            |
| OUTPUT POWER     | Refer to manufacturer's specifications/website. |                                  |
| OUTPUT TORQUE    | 40.4 ft-lb (54.8J)<br>@ 2600 rpm                | 44.2 ft-lb (59.9J)<br>@ 2600 rpm |
| LUBRICATION      | FULL PRESSURE                                   | FULL PRESSURE                    |
| GOVERNOR         | Mechanical                                      | Mechanical                       |
| AIR CLEANER      | Heavy Duty Cyclone                              | Heavy Duty Cyclone               |
| IGNITION SYSTEM  | Electronic                                      | Electronic                       |
| CHARGING BATTERY | 15 amp, regulated                               | 15 amp, regulated                |
| BATTERY          | BCI group U1                                    | BCI group U1                     |
| FUSES            | Two, 20 amp blade                               | Two, 20 amp blade                |

| GENERAL                                                                                    | DATE | HRS | DATE | HRS | DATE | HRS | DATE | HRS | DATE | HRS | DATE | HRS |
|--------------------------------------------------------------------------------------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| Check Tire Pressures                                                                       |      |     |      |     |      |     |      |     |      |     |      |     |
| Lubricate All Points                                                                       |      |     |      |     |      |     |      |     |      |     |      |     |
| Check Nuts & Bolts                                                                         |      |     |      |     |      |     |      |     |      |     |      |     |
| ENGINE                                                                                     |      |     |      |     |      |     |      |     |      |     |      |     |
| Check Engine Coolant Level<br>(Where Applicable)                                           |      |     |      |     |      |     |      |     |      |     |      |     |
| Check Oil Level                                                                            |      |     |      |     |      |     |      |     |      |     |      |     |
| Change Oil                                                                                 |      |     |      |     |      |     |      |     |      |     |      |     |
| Clean Air Cleaner Element                                                                  |      |     |      |     |      |     |      |     |      |     |      |     |
| Clean Cooling Fins                                                                         |      |     |      |     |      |     |      |     |      |     |      |     |
| Replace Air Cleaner Element                                                                |      |     |      |     |      |     |      |     |      |     |      |     |
| Clean & Gap Spark Plugs                                                                    |      |     |      |     |      |     |      |     |      |     |      |     |
| NOTE: After first 5 hours of operation replace engine oil, hydraulic oil and both filters. |      |     |      |     |      |     |      |     |      |     |      |     |

| CUTTERDECKS        |                                                |                                                |
|--------------------|------------------------------------------------|------------------------------------------------|
| MODEL NUMBER       | 942536J                                        | 942537J                                        |
| TYPE               | Side Discharge                                 | Side Discharge                                 |
| CUTTING WIDTH      | 52.5" (133cm)                                  | 61" (155cm)                                    |
| WIDTH (CHUTE UP)   | 56.25" (143cm)                                 | 62" (157cm)                                    |
| WIDTH (CHUTE DOWN) | 64.5" (164cm)                                  | 73" (18cm)                                     |
| BLADE              | high lift<br>(low lift optional)               | high lift<br>(low lift optional)               |
| NUMBER OF BLADES   | 3                                              | 3                                              |
| BLADE LENGTH       | 18" (46cm)                                     | 21" (53cm)                                     |
| BLADE THICKNESS    | .205" (5.2mm)                                  | .25" (6.35mm)                                  |
| TIP SPEED          | 18585 ft/min<br>5665 m/min<br>@3600 Engine RPM | 18850 ft/min<br>5745 m/min<br>@3600 Engine RPM |
| DAILY PRODUCTION   | Up to 25.5 acres<br>(10.3 ha)                  | Up to 29.5 acres<br>(11.9 ha)                  |

## CONSTRUCTION:

Fabricated and welded 10-gauge, double-layer steel top with 7-gauge side skirts. Full floating design.

## CUTTERDECK DRIVE SYSTEM:

Electric clutch/brake drives belt directly from engine to cutterdeck. No twists in drive belt.

## SPINDLES:

Top mounted and maintenance free, with 1" shaft in precision machined, aluminum housing

## ANTI-SCALP ROLLERS:

52" SD Cutterdecks - 6 Rollers

61" SD Cutterdecks - 7 Rollers

## CUTTING HEIGHT & PRODUCTION:

**Height:** Spring assisted lift lever allows easy setting of cut heights from 1" to 5 1/2" in 1/4" increments. "Set and forget" feature allows height of cut to be set and returned to without searching from operator position.

## SPECIFIC TORQUES

BLADE BOLT TORQUE: 70 FT-LBS (95 Nm)

WHEEL HUB NUTS: 225 FT-LBS (237 Nm)

ENGINE CRANKSHAFT BOLT: 50 FT-LBS (68 Nm)

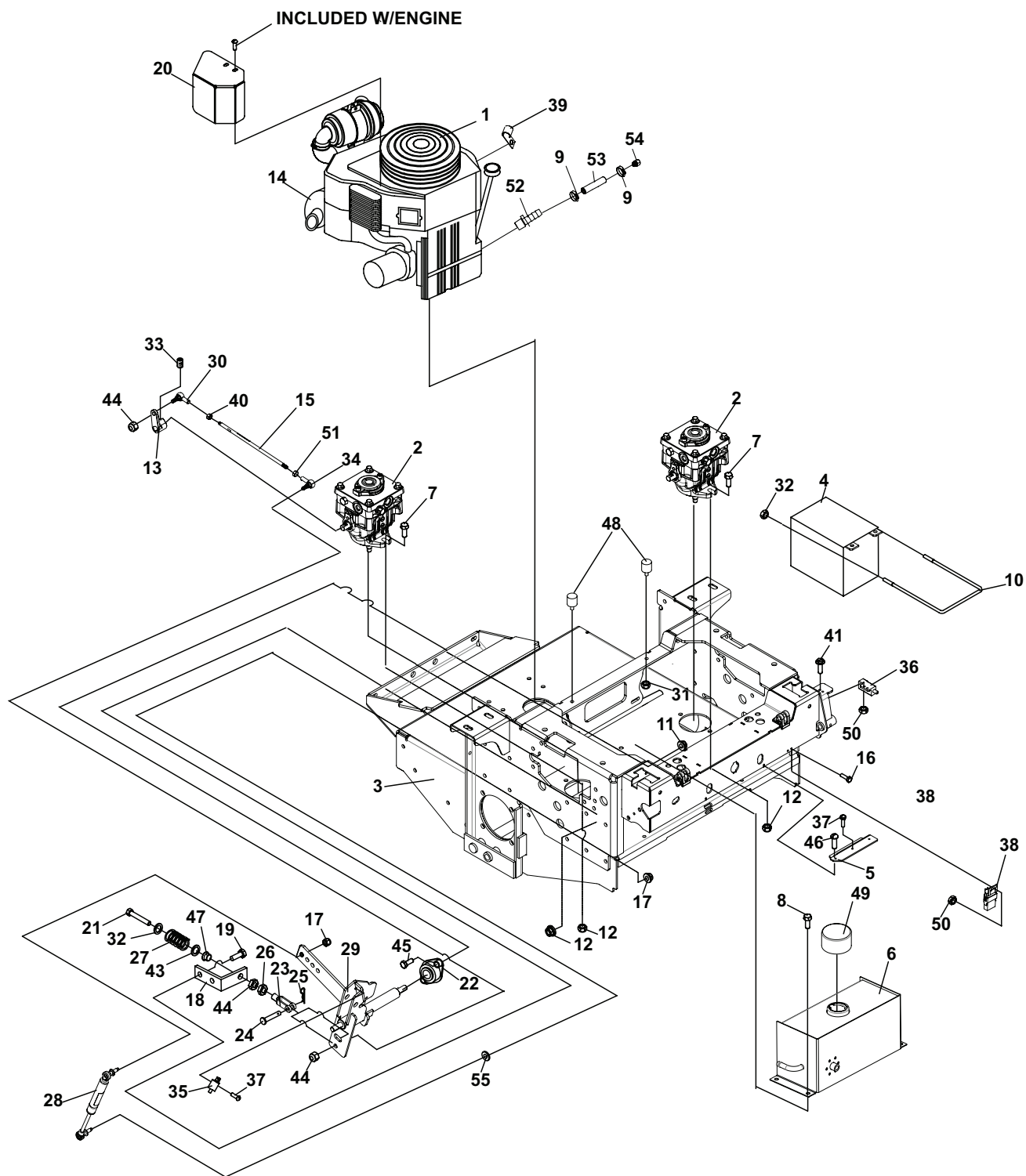
LUG NUTS: 75-100 FT-LBS

# PARTS SECTION

# UPPER ENGINE DECK ASSY

PROCAT SE

FIGURE 1



# UPPER ENGINE DECK ASSY

PROCAT SE

FIGURE 1

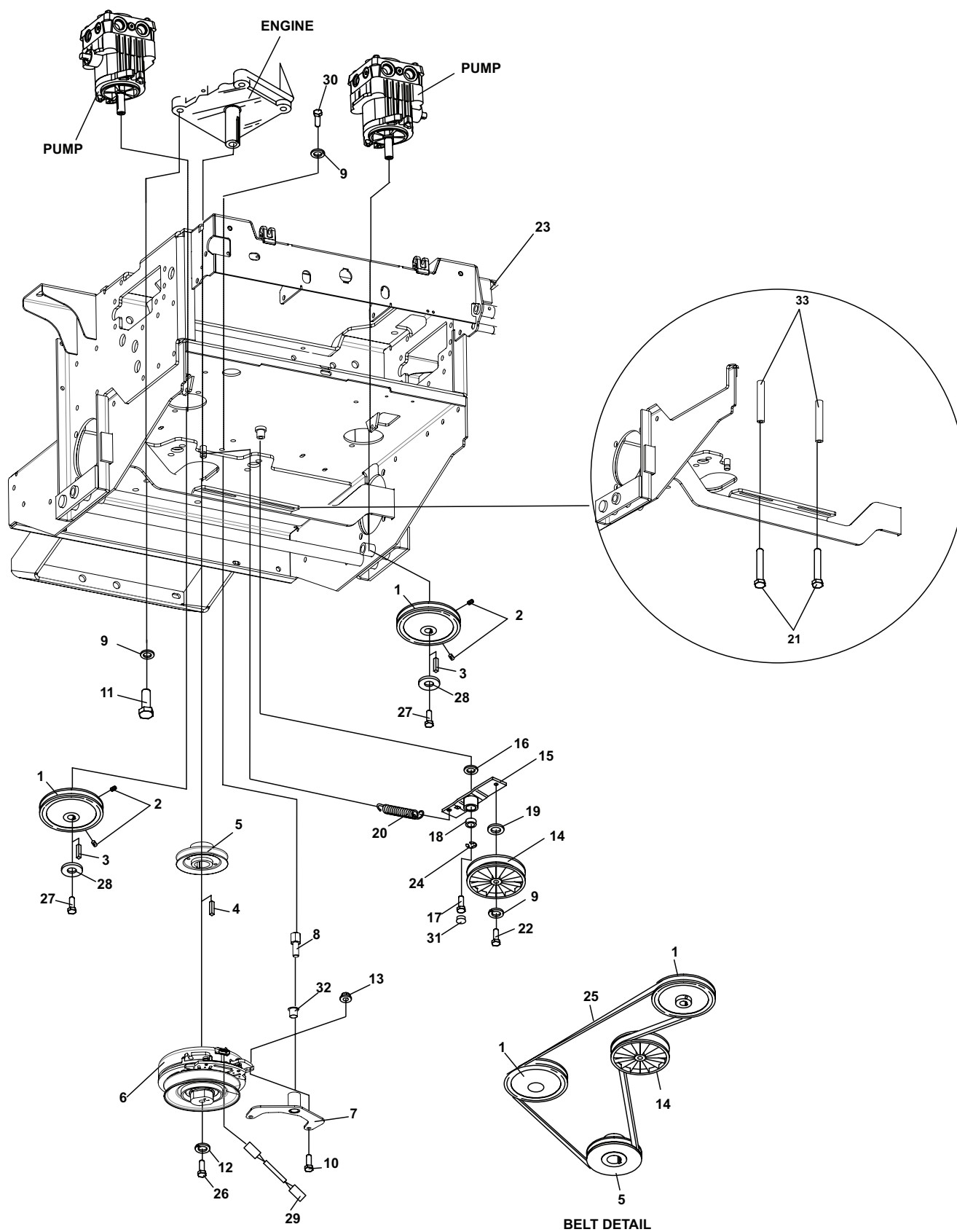
| ITEM | PART NO.  | DESCRIPTION                                           | QTY | ITEM | PART NO.    | DESCRIPTION               | QTY |
|------|-----------|-------------------------------------------------------|-----|------|-------------|---------------------------|-----|
| 1    | 4168097   | ENGINE-KOHLER ECV730                                  | 1   | 29   | 4167143     | WLDMT-MOTION CTRL LH      | 1   |
|      | 4168098   | ENGINE-KOHLER ECV749                                  | 1   |      | * 4167144   | WLDMT-MOTION CTRL RH      | 1   |
|      | 4168595   | FILTER-FUEL, KOHLER EFI                               |     | 30   | 4167343-02  | ROD END-5/16 FEMALE LH    | 2   |
|      | 4114746   | FILTER-AIR PRIMARY                                    |     | 31   | 64141-6     | NUT-WLF 5/16-18           | 2   |
|      | 4114747   | FILTER-SAFETY                                         |     | 32   | 64268-02    | NUT-FL NYLON LOCK 5/16-18 | 2   |
|      | 842502    | FILTER-ELEMENT OIL                                    |     | 33   | 64192-06    | SETSCR SQHD 5/16-18X3/4   | 2   |
| 2    | 4164841   | PUMP-HYDROSTATIC 12CC<br>(SEE FIGURE 8 FOR BREAKDOWN) | 2   | 34   | 4167343-01  | ROD END-5/16 FEMALE RH    | 2   |
| 3    | 4167906   | S-ENGINE DECK W/LABS                                  | 1   | 35   | 108208      | SWITCH DBL POLE           | 2   |
| 4    | 4167215   | BATTERY                                               | 1   | 36   | 2188156     | SWITCH-NONO DBL POLE      | 1   |
| *    | 4171973   | CHARGER-BATTERY, AGM                                  |     | 37   | 64197-015   | BLT-TDFM 10-32X1/2 TORX   | 6   |
|      |           |                                                       |     | 38   | 2188154     | MODULE-DELAY              | 1   |
| 5    | 4165497.7 | BRACKET-RELAY MNTG                                    | 1   | 39   | 48412-01    | CLAMP-J                   | 1   |
| 6    | 4167655   | S HYD RESERVOIR W/LABS                                | 1   | 40   | 64025-33    | NUT-HEX 5/16-24 LH        | 2   |
| 7    | 64262-012 | BLT-FLG HD 3/8-16 X 1-1/4                             | 4   | 41   | 64263-007   | BLT-FLG HD M8-1.25 X 20   | 4   |
| 8    | 64197-016 | BLT-TDFM 3/8-16X1/2                                   | 4   | 42   | 64152-49    | SCREW-SLT HH 10-24X3/4    | 2   |
| 9    | 88042-03  | CLAMP-HOSE 5/8                                        | 2   | 43   | 64163-55    | WASHER .328X.75X14 GA     | 2   |
| 10   | 4167239   | STRAP-BATTERY                                         | 1   | 44   | 64229-08    | LOCKNUT NYLON 5/16-24     | 6   |
| 11   | 64141-4   | NUT-WLF 3/8-16                                        | 8   | 45   | 64123-15    | BOLT-3/8-16X3/4 HEX       | 8   |
| 12   | 64268-03  | NUT-FL NYLON LOCK 3/8-16                              | 8   | 46   | 64197-025   | BLT-TDFM 1/4-20X5/8       | 2   |
| 13   | 4118430   | ARM-PUMP                                              | 2   | 47   | 38304-02    | BRG, FLGD PLASTIC         | 2   |
| 14   | 4168606   | MUFFLER-KOHLER                                        | 1   | 48   | 4143354     | BUMPER-RUBBER             | 2   |
| 15   | 4167289   | ROD-LINK ASSY                                         | 2   | 49   | 4167240     | CAP-RESERVOIR             | 1   |
| 16   | 64152-46  | SCREW-SLT HH 10-24X1/2                                | 2   | 50   | 64152-49    | SCREW-SLT HH 10-24X3/4    |     |
| 17   | 64237-05  | LOCKNUT-NYLON M8-1.25                                 | 4   | 51   | 64025-03    | NUT-HEX 5/16-24 RH        | 2   |
| 18   | 2182405.7 | BRKT-REVERSE RETURN                                   | 2   | 52   | 4164252-001 | FITTING-3/8NPT TO 3/8     | 1   |
| 19   | 64123-50  | BLT-HEX 3/8-16X1                                      | 4   | 53   | 69053-03    | HOSE, HYDRAULIC 18"       | 1   |
| 20   | 4167911.7 | SHIELD-HEAT KOHLER                                    | 1   | 54   | 4164251     | VALVE-OIL DRAIN           | 1   |
| 21   | 64123-205 | BLT-HEX 5/16-24X4                                     | 2   | 55   | 64163-95    | WSHR-.344X.688X.065       | 2   |
| 22   | 2188145   | BEARING-.75ID BRZ                                     | 4   |      |             |                           |     |
| 23   | 38020N    | CLEVIS YOKE, 5/16 PLATE                               | 2   |      |             |                           |     |
| 24   | 64188-02  | PIN, CLEVIS 5/16X1                                    | 2   |      |             |                           |     |
| 25   | 64168-2   | COTTER-HAIRPIN.08X1.19                                | 2   |      |             |                           |     |
| 26   | 64025-03  | NUT-HEX 5/16-24                                       | 2   |      |             |                           |     |
| 27   | 2188139   | SPRING-COMPRESSION                                    | 2   |      |             |                           |     |
| 28   | 4171612   | DAMPER                                                | 2   |      |             |                           |     |

\* NOT ILLUSTRATED

# LOWER ENGINE DECK ASSY/CLUTCH

PROCAT SE

FIGURE 2



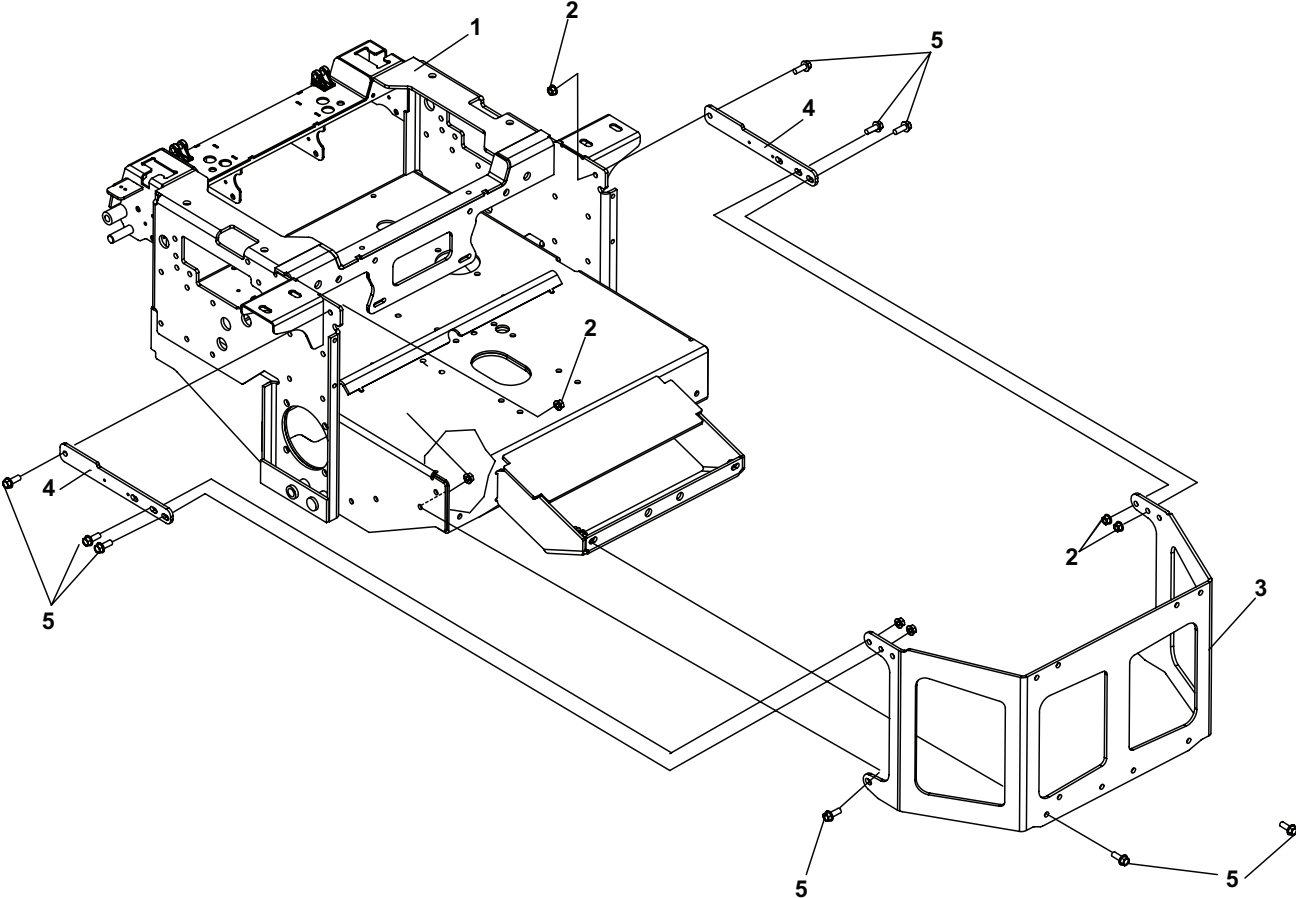
# LOWER ENGINE DECK ASSY/CLUTCH

PROCAT SE

FIGURE 2

| ITEM | PART NO.  | DESCRIPTION                  | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-----------|------------------------------|-----|------|----------|-------------|-----|
| 1    | 4158360   | PULLEY-PUMP                  | 2   |      |          |             |     |
| 2    | 64044-18  | SCREW-SET 1/4-20 X 5/16      | 4   |      |          |             |     |
| 3    | 64238-03  | KEY-MET 5MM SQX28MM          | 2   |      |          |             |     |
| 4    | 64164-12  | KEY                          | 1   |      |          |             |     |
| 5    | 4165509   | PULLEY- 5.25 OD X 1.126      | 1   |      |          |             |     |
| 6    | 4165689   | CLUTCH-ELECTRIC, 225         | 1   |      |          |             |     |
| 7    | 4165570.7 | WLDMT-CLUTCH STOP            | 1   |      |          |             |     |
| 8    | 4121540   | PIN-CLUTCH                   | 1   |      |          |             |     |
| 9    | 64006-03  | LOCKWSHR-3/8 HELICAL         | 6   |      |          |             |     |
| 10   | 64123-54  | BLT-HEX 5/16-18X3/4          | 2   |      |          |             |     |
| 11   | 64123-70  | BLT-HEX 3/8-16X1-1/2         | 4   |      |          |             |     |
| 12   | 64006-06  | LCKWSHER-HELICAL 7/16        | 1   |      |          |             |     |
| 13   | 64268-02  | NUT-FL NYLON LCK 5/16-18     | 2   |      |          |             |     |
| 14   | 2308000   | PULLEY-IDLER 4.00 EOD        | 1   |      |          |             |     |
| 15   | 4128923   | S-ASSY-IDLER ARM PUMP        | 1   |      |          |             |     |
|      |           | (INCLUDES ITEMS 16, 18 & 24) |     |      |          |             |     |
| 16   | 4127999   | SEAL                         | 1   |      |          |             |     |
| 17   | 64270-01  | BOLT-MET HEX M10-1.5X30      | 1   |      |          |             |     |
| 18   | 4128004   | BEARING                      | 1   |      |          |             |     |
| 19   | 33148-01  | SPACER-0.379X0.750X0.25      | 1   |      |          |             |     |
| 20   | 2188131   | SPRING-EXTENSION             | 1   |      |          |             |     |
| 21   | 64262-006 | BLT-5/16-18X1                | 2   |      |          |             |     |
| 22   | 64123-21  | BLT-HEX 3/8-24X1-1/4         | 1   |      |          |             |     |
| 23   | 4168749   | S-ENGINE DECK W/LABS         | 1   |      |          |             |     |
|      |           | (INCLUDES ITEMS 34 & 35)     |     |      |          |             |     |
| 24   | 64144-40  | SNAP RING                    | 1   |      |          |             |     |
| 25   | 4157920   | BELT PUMP DRIVE              | 1   |      |          |             |     |
| 26   | 64123-216 | BLT-HEX 7/16-20X2-1/4        | 1   |      |          |             |     |
| 27   | 64205-013 | BLT-MET M6-1X12              | 2   |      |          |             |     |
| 28   | 64209-09  | WASHER-CONICAL SPRING        | 2   |      |          |             |     |
| 29   | 2720949   | ASSY-CLUTCH WIRE             | 1   |      |          |             |     |
| 30   | 64123-15  | BLT-HEX 3/8-16X3/4           | 1   |      |          |             |     |
| 31   | 4128002   | END CAP                      | 1   |      |          |             |     |
| 32   | 38304-03  | BEARING-FLNGD PLASTIC        | 1   |      |          |             |     |
| 33   | 4166355   | PIN-BELT GUIDE               | 2   |      |          |             |     |

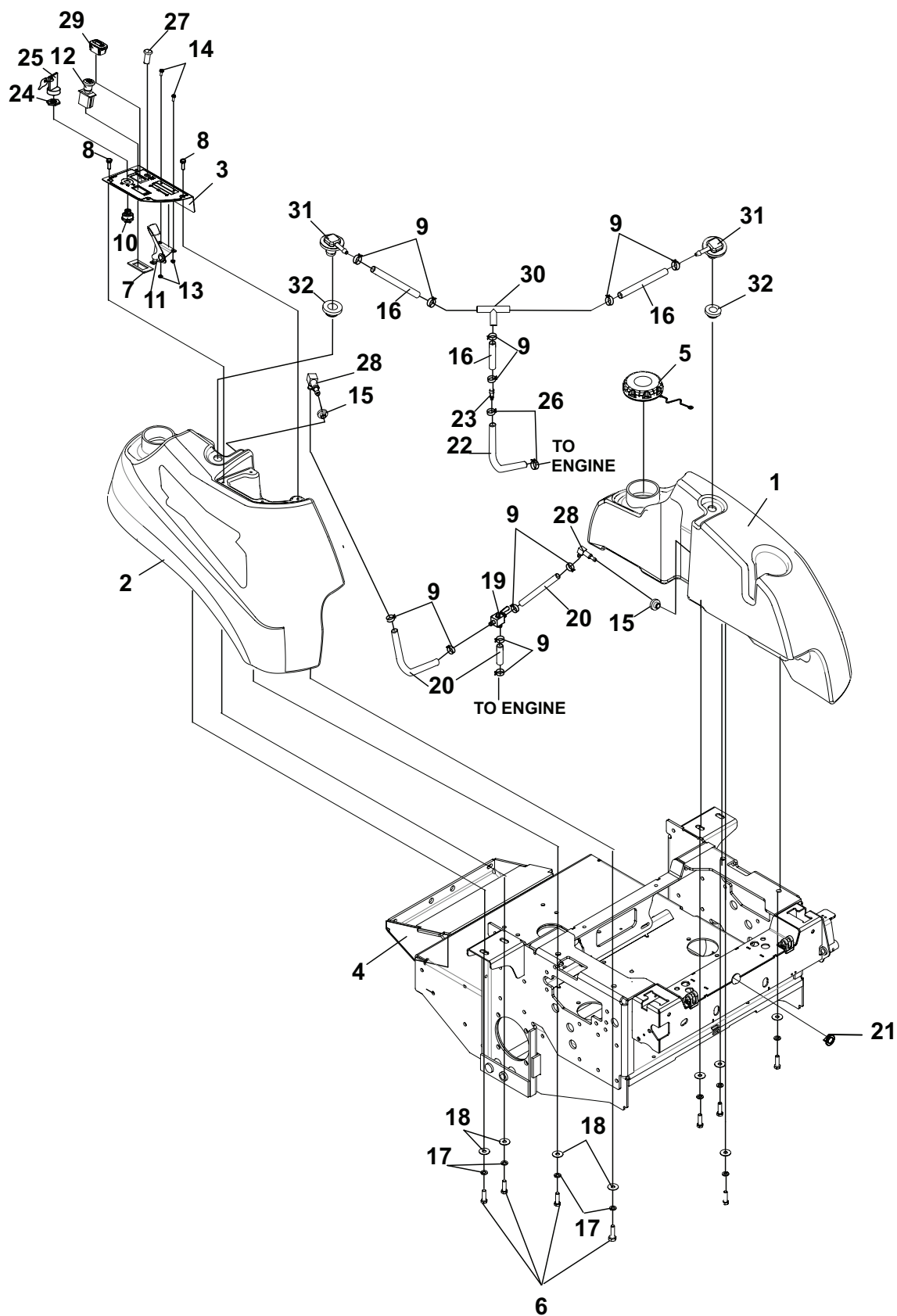
**FIGURE 3**



## FIGURE 3

| ITEM | PART NO.  | DESCRIPTION               | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-----------|---------------------------|-----|------|----------|-------------|-----|
| 1    | 4167906   | S-ENG DECK W/LABS         | 1   |      |          |             |     |
| 2    | 64268-03  | NUT-FL NYLON LOCK 3/8-16  | 8   |      |          |             |     |
| 3    | 4165490.7 | WRAPPER-BUMPER            | 1   |      |          |             |     |
| 4    | 4165492.7 | STRAP-BUMPER              | 2   |      |          |             |     |
| 5    | 64262-012 | BLT-FLG HD 3/8-16 X 1-1/4 | 10  |      |          |             |     |

FIGURE 4



| ITEM | PART NO.    | DESCRIPTION                                            | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|--------------------------------------------------------|-----|------|----------|-------------|-----|
| 1    | 4165428     | TANK-FUEL LH<br>(INCLUDES ITEMS 15, 31-33, 35, 36, 37) | 1   |      |          |             |     |
| 2    | 4165429     | TANK-FUEL RH<br>(INCLUDES ITEMS 15, 31-33, 35, 36, 37) | 1   |      |          |             |     |
| 3    | 4169448     | S-CONTROL PANEL                                        | 1   |      |          |             |     |
| 4    | 4167906     | S ENG DECK W/LABS                                      | 1   |      |          |             |     |
| 5    | 4165291     | CAP-FUEL, RATCHET TYPE                                 | 2   |      |          |             |     |
| 6    | 64123-50    | BLT-HEX 3/8-16X1                                       | 8   |      |          |             |     |
| 7    | 2188178     | SWITCH-RETAINER                                        | 1   |      |          |             |     |
| 8    | 64262-001   | BLT-FLG HD 1/4-20 X 1/2                                | 4   |      |          |             |     |
| 9    | 88042N      | HOSE CLAMP                                             | 12  |      |          |             |     |
| 10   | 128010      | KEY-SWITCH                                             | 1   |      |          |             |     |
| 11   | 118020-16   | CONTROL-THROTTLE 48.0                                  | 1   |      |          |             |     |
| 12   | 2721505     | SWITCH-PTO                                             | 1   |      |          |             |     |
| 13   | 64025-15    | NUT-HEX #10-24 KEPS                                    | 2   |      |          |             |     |
| 14   | 64152-46    | SCR.-SLT HH #10-24X1/2                                 | 2   |      |          |             |     |
| 15   | 4132325     | GROMMET-FUEL TANK                                      | 2   |      |          |             |     |
| 16   | 4162977-020 | HOSE,.25IDX.50OD                                       | 3   |      |          |             |     |
| 17   | 64006-03    | LOCKWSHR-3/8 HELICAL                                   | 8   |      |          |             |     |
| 18   | 64163-31    | WSHR 25/64X1X12                                        | 8   |      |          |             |     |
| 19   | 2188161     | VALVE-TANK SELECTOR                                    | 1   |      |          |             |     |
| 20   | 4162977-001 | HOSE,.25IDX.50OD X                                     | 2   |      |          |             |     |
| 21   | 4142266     | CONNECTOR, 12V RECEPT                                  | 1   |      |          |             |     |
| 22   | 4162989-001 | HOSE, FUEL LINE                                        | 1   |      |          |             |     |
| 23   | 4165864     | FTTNG-HOSE 1/4" TO 3/16"                               | 1   |      |          |             |     |
| 24   | 128010-01   | S-KEY SWITCH NYLON NUT                                 | 1   |      |          |             |     |
| 25   | 128010-03   | S-COVERED KEY                                          | 1   |      |          |             |     |
| 26   | 88042-01    | CLAMP                                                  | 2   |      |          |             |     |
| 27   | 4169447     | LIGHT-RED, ENGINE                                      | 1   |      |          |             |     |
| 28   | 4165429-03  | TUBE-FUEL PICK UP                                      | 2   |      |          |             |     |
| 29   | 4165120     | METER-HOUR                                             | 1   |      |          |             |     |
| 30   | 4165863     | TEE-FITING 1/4" HOSE                                   | 1   |      |          |             |     |
| 31   | 4165763     | ROLL-OVER VENT                                         | 2   |      |          |             |     |
| 32   | 4165387     | GROMMET-ROLL OVER                                      | 2   |      |          |             |     |
| 33*  | 970391      | KIT-LIGHT ACCESSORY                                    | 1   |      |          |             |     |

\*NOT ILLUSTRATED

FIGURE 5

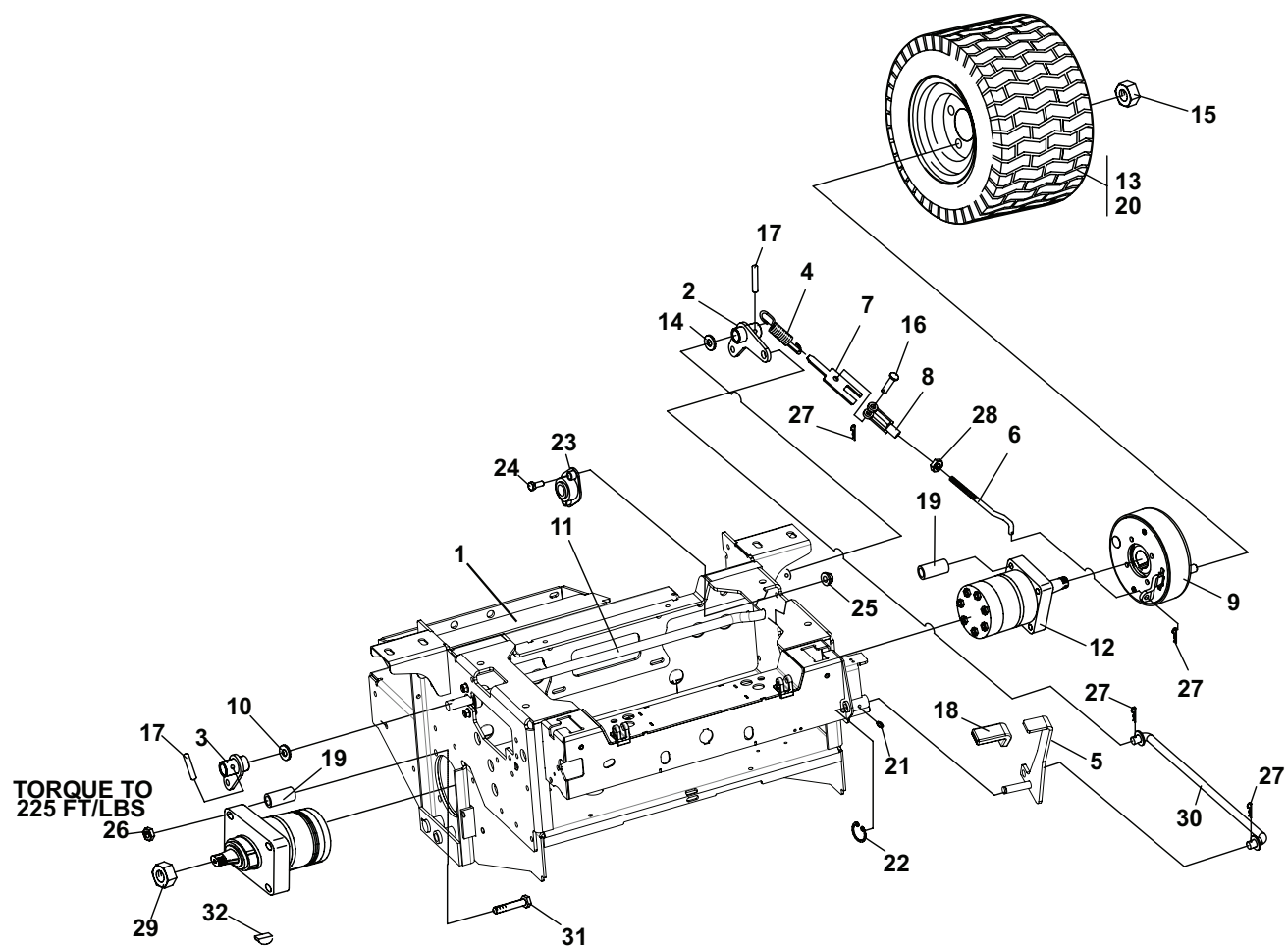


FIGURE 5

| ITEM | PART NO.    | DESCRIPTION              | QTY | ITEM | PART NO. | DESCRIPTION              | QTY |
|------|-------------|--------------------------|-----|------|----------|--------------------------|-----|
| 1    | 4167906     | S-ENGINE DECK W/LABS     | 1   | 21   | 85010N   | ZERK, 1/4-28 STR SLFTHRD | 1   |
| 2    | 4165701.7   | WLDMT-BRAKE ARM LH       | 1   | 22   | 64144-34 | SNAP RING.50             | 1   |
| 3    | 4165700.7   | WLDMT-BRAKE ARM RH       | 1   | 23   | 2188145  | BEARING-.75ID SELF ALIGN | 2   |
| 4    | 128102      | SPRING,EXTENSION         | 2   | 24   | 64123-15 | BOLT-3/8-16X3/4 HEX      | 4   |
| 5    | 4165449.7   | WLDMT-BRAKE LEVER        | 1   | 25   | 64268-03 | NUT-FL NYLN LCK 3/8-16   | 4   |
| 6    | 4159701     | ROD-BRAKE CONTROL        | 2   | 26   | 64237-06 | LOCKNUT-NYLON M12-1.75   | 8   |
| 7    | 2182387.7   | GUIDE-SPRING             | 2   | 27   | 64168-2  | COTTER-HAIRPIN.08X1.19   | 4   |
| 8    | 38020N      | CLEVIS YOKE, 5/16 PLATE  | 2   | 28   | 64025-03 | NUT-HEX 5/16-24          | 2   |
| 9    | 4167999     | BRAKE-PARKER             | 2   | 29   | 64025-31 | NUT 1-20 UNSLOTTED TRW   | 2   |
| 9A*  | 4167999-01  | BRAKE-BACK PLATE W/ PADS | 1   | 30   | 4159242  | WLDMT-PRK BRAKE ROD      | 1   |
| 9B*  | 4167999-02  | BRAKE-DRUM               | 1   | 31   | 450767   | CAPSCREW 12-1.75X110     | 8   |
| 9C*  | 4159281-003 | BRAKE-SCREW              | 4   | 32   | 64164-08 | S-KEY FOR WHEEL MOTOR    | 2   |
| 10   | 64163-06    | WSHR,.768/.756X1.25X14   | A/R |      |          |                          |     |
| 11   | 4159000     | BAR-PARKING BRAKE        | 1   |      |          |                          |     |
| 12   | 4159280     | MOTOR-PARKER             | 2   |      |          |                          |     |
|      |             | (INCLUDES ITEMS 32)      |     |      |          |                          |     |
| *    | 970438      | KIT-WHEEL HUB PULLER     |     |      |          |                          |     |
| 13   | 4171647     | WHEEL-ASSY, 24X12.00-12  | 2   |      |          |                          |     |
|      | 4171646-01  | RIM12X8.50               |     |      |          |                          |     |
|      | 4171647-01  | TIRE-24X12.00-12         |     |      |          |                          |     |
|      |             | (61" DECKS ONLY)         |     |      |          |                          |     |
| 14   | 64163-89    | WSHR- 1.25ODX.76IDX18GA  | 1   |      |          |                          |     |
| 15   | 64187-03    | WHEEL NUT-1/2-20         | 8   |      |          |                          |     |
| 16   | 64188-02    | PIN, CLEVIS 5/16X1       | 2   |      |          |                          |     |
| 17   | 64061-25    | ROLL PIN-1/4X1-1/4       | 2   |      |          |                          |     |
| 18   | 2188155     | GRIP, 1/4X1X4-1/2        | 1   |      |          |                          |     |
| 19   | 2183063-01  | SPACER, 32MM LONG        | 8   |      |          |                          |     |
| 20   | 4171646     | WHEEL-ASSY, 23X10.5-12   | 2   |      |          |                          |     |
|      | 4171646-01  | RIM12X8.50               |     |      |          |                          |     |
|      | 4171646-02  | TIRE-23X10.50-12         |     |      |          |                          |     |
|      |             | (52" DECKS ONLY)         |     |      |          |                          |     |

\*NOT ILLUSTRATED

FIGURE 6

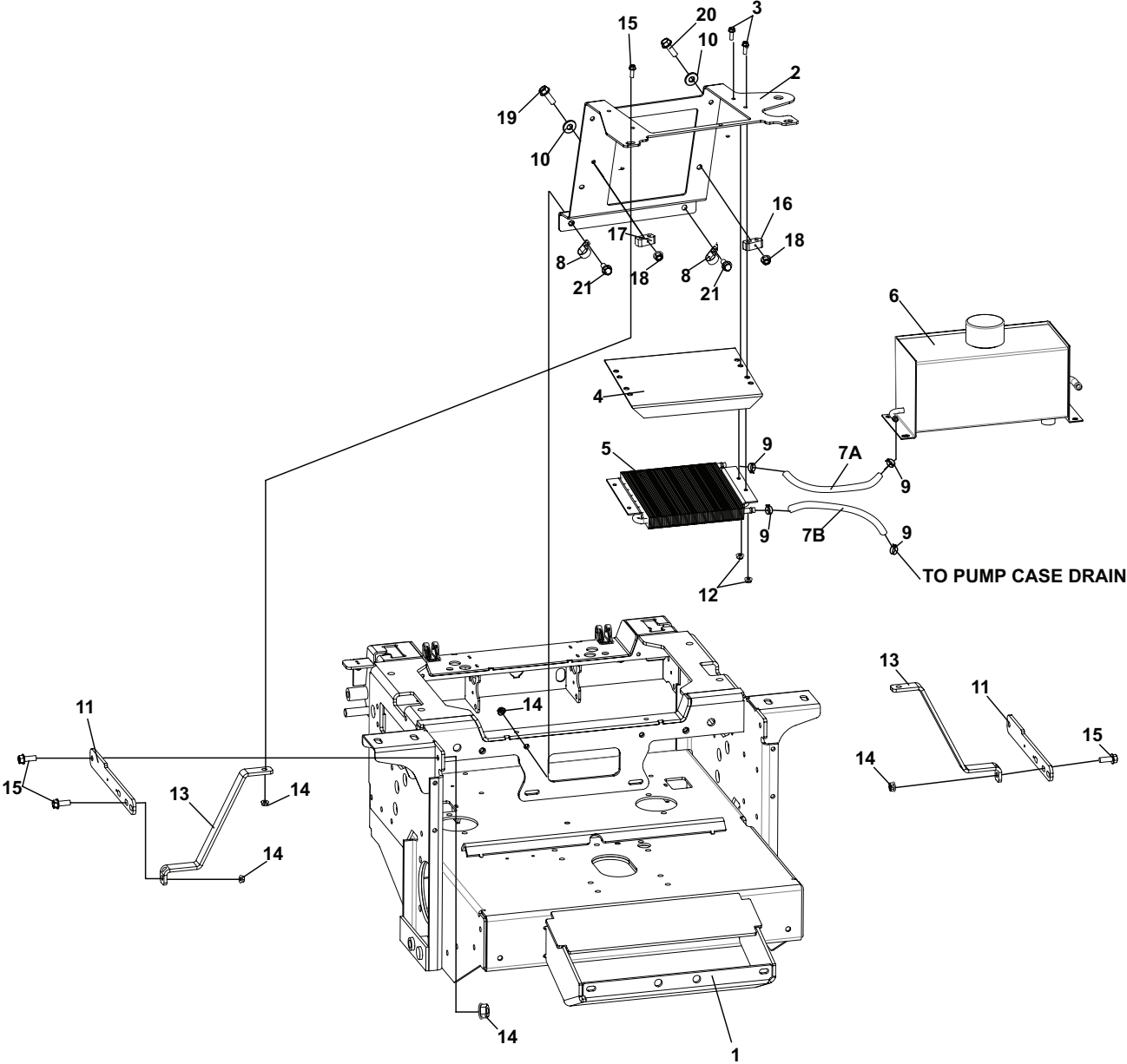
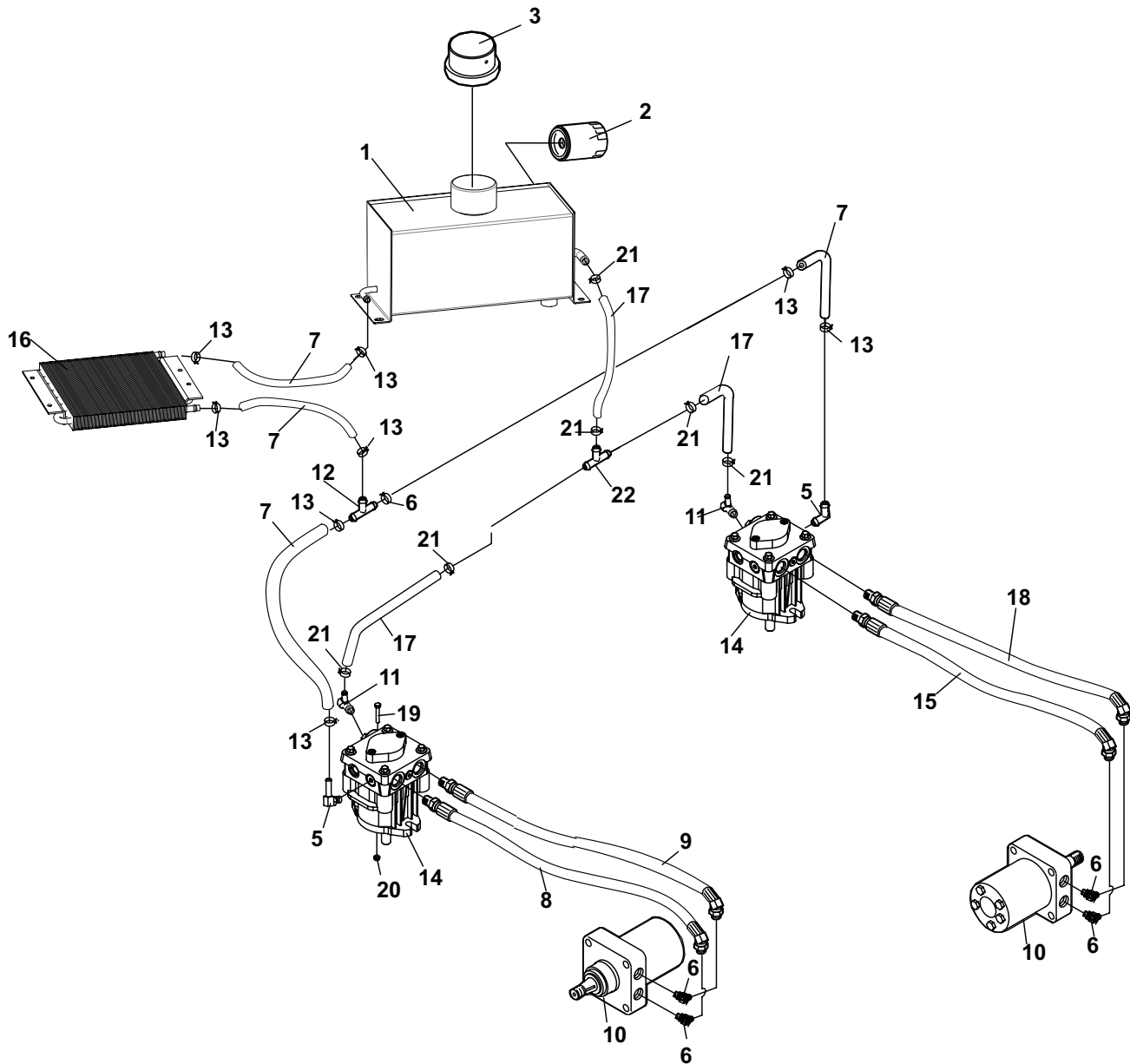


FIGURE 6

| ITEM                                      | PART NO.  | DESCRIPTION               | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|-------------------------------------------|-----------|---------------------------|-----|------|----------|-------------|-----|
| 1                                         | 4167906   | S ENGINE DECK W/LABS      | 1   |      |          |             |     |
| 2                                         | 4168913.7 | BRKT-COOLER FRONT         | 1   |      |          |             |     |
| 3                                         | 64262-002 | BLT-FLG HD 1/4-20 X 3/4   | 4   |      |          |             |     |
| 4                                         | 2720891.7 | SCREEN-OIL COOLER         | 1   |      |          |             |     |
| 5                                         | 2188173   | COOLER-OIL                | 1   |      |          |             |     |
| 6                                         | 4167655   | S HYD RSRVR W/LABS        | 1   |      |          |             |     |
| (69053-05 IS A SERVICEABLE LENGTH OF 55") |           |                           |     |      |          |             |     |
| 7A                                        | 69053-05  | 3/8 HIGH TEMP HOSE        | 1   |      |          |             |     |
| 7B                                        | 69053-05  | 3/8 HIGH TEMP HOSE        | 1   |      |          |             |     |
| 8                                         | 48412-01  | CABLE-CLIP N              | 2   |      |          |             |     |
| 9                                         | 88042-04  | CLAMP-3/4 CLIP            | 4   |      |          |             |     |
| 10                                        | 64163-03  | WSHR .256X.62X18GA        | 2   |      |          |             |     |
| 11                                        | 4165492.7 | ARM-BUMPER                | 2   |      |          |             |     |
| 12                                        | 64229-01  | NUT-NYLON LOCK 1/4-20     | 4   |      |          |             |     |
| 13                                        | 4169246.7 | BRKT-COOLER REAR          | 2   |      |          |             |     |
| 14                                        | 64268-03  | NUT-FL NYLON LOCK 3/8-16  | 8   |      |          |             |     |
| 15                                        | 64262-012 | BLT-FLG HD 3/8-16 X 1-1/4 | 6   |      |          |             |     |
| 16                                        | 4165752   | CLAMP-HOSE, 5/8IN         | 1   |      |          |             |     |
| 17                                        | 4165751   | CLAMP-HOSE, 1/2IN         | 1   |      |          |             |     |
| 18                                        | 64229-01  | NUT-NYLON LOCK 1/4-20     | 2   |      |          |             |     |
| 19                                        | 64123-07  | BLT-HEX 1/4-20X1-1/2      | 1   |      |          |             |     |
| 20                                        | 64123-60  | BLT-HEX 1/4-20X2          | 1   |      |          |             |     |
| 21                                        | 64262-011 | BLT-FLG HD 3/8-16X1       | 2   |      |          |             |     |

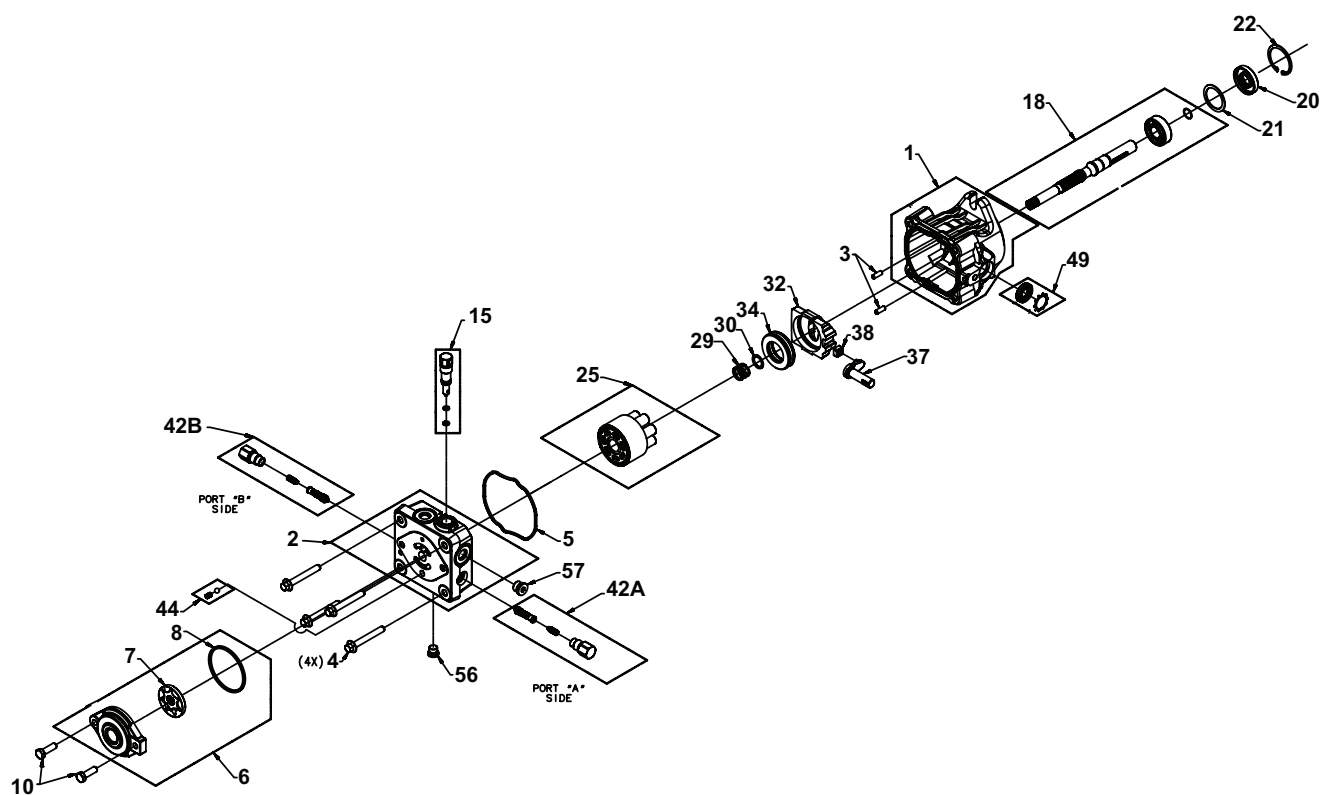
FIGURE 7



| ITEM                                      | PART NO.   | DESCRIPTION            | QTY |
|-------------------------------------------|------------|------------------------|-----|
| 1                                         | 4167655    | S HYD RESERVOIR W/LAB  | 1   |
| 2                                         | 2720396    | FILTER 25 MICRON       | 1   |
| 3                                         | 4167240    | CAP-RESERVOIR          | 1   |
| 4                                         | 4160243    | PLUG-HYDRAULIC TANK    | 1   |
| 5                                         | 158058-04  | FTG-90 BRB 9/16-18X.38 | 2   |
| 6                                         | 108205-03  | ELBOW-MALE 45 37-ORB   | 4   |
| 7                                         | 69053-05   | 3/8 HIGH TEMP HSE      | 4   |
| (69053-05 IS A SERVICEABLE LENGTH OF 55") |            |                        |     |
| 8                                         | 2188157-02 | LH PUMP PORT B-HOSE    | 1   |
| 9                                         | 2188157-01 | LH PUMP PORT A-HOSE    | 1   |
| 10                                        | 4159280    | MOTOR-PARKER           | 2   |
| 11                                        | 2690030-02 | FTG 9/16-18 ORB X 3/8  | 2   |
| 12                                        | 58026-01   | 3 WAY CONNECTOR 3/8    | 2   |
| 13                                        | 88042-04   | CLAMP-HOSE 5/8         | 14  |
| 14                                        | 4164841    | PUMP-HYDRO 12cc        | 2   |
| 15                                        | 2188157-02 | RH PUMP PORT B-HOSE    | 1   |
| 16                                        | 2188173    | OIL COOLER             | 1   |
| 17                                        | 4165341-02 | HOSE-HYDR,             | 2   |
| 18                                        | 2188157-01 | RH PUMP PORT A-HOSE    | 1   |
| 19                                        | 64123-60   | BOLT, 1/4-20X2 HEX     | 2   |
| 20                                        | 64229-01   | LOCKNUT-NYL 1/4-20     | 2   |
| 21                                        | 88042-05   | CLAMP-HOSE 13/16       | 6   |
| 22                                        | 58026-04   | 3 WAY CONNECTOR 3/16   | 1   |

| SAE PORT 'O' RING |             |         |
|-------------------|-------------|---------|
| PART NUMBER       | THREAD SIZE | AS-568# |
| 158061-10         | 9/16-18     | -906    |
| 158061-11         | 3/4-16      | -908    |
| 158061-12         | 7/8-14      | -910    |
| 158061-13         | 1-1/16-12   | -912    |
| 158061-14         | 1-5/16-12   | -916    |
| 158061-16         | 1-5/8-12    | -920    |
| 158061-03         | 1-7/8-12    | -924    |

FIGURE 8



## FIGURE 8

| ITEM | HYDROGEAR PART NO. | SCHILLER PART NO. | DESCRIPTION              | QTY |
|------|--------------------|-------------------|--------------------------|-----|
| 1    | 70516              | ----              | HOUSING KIT              | 1   |
| 2    | 72011              | 4164841-001       | END CAP KIT              | 1   |
| 3    | 50641              | ----              | STRAIGHT HEADLESS PIN    | 2   |
| 4    | 50969              | 2721615-01        | FLANGE BOLT M8-1.25 X 60 | 4   |
| 5    | 52629              | 4164841-002       | HOUSING O-RING           | 1   |
| 6    | 71246              | 4137278-01        | CHARGE PUMP KIT          | 1   |
| 7    | 50273              | 38345-07          | STD GEROTOR ASSEMBLY     | 1   |
| 8    | 9004101-1340       | 38345-08          | O-RING                   | 1   |
| 10   | 9007200-3116       | 64123-68          | SOCKET SCREW M6-1.0 x 20 | 2   |
| 15   | 2513030            | 4157242-019       | BYPASS VALVE KIT (BLANK) | 1   |
| 18   | 70522              | 4137278-05        | PUMP SHAFT KIT           | 1   |
| 20   | 51161              | ----              | LIP SEAL 17 x 40 x 12    | 1   |
| 21   | 50951              | ----              | SPACER                   | 1   |
| 22   | 50329              | ----              | RETAINING RING           | 1   |
| 25   | 71971              | 4164841-003       | CYLINDER BLOCK KIT       | 1   |
| 29   | 2003014            | ----              | BLOCK SPRING             | 1   |
| 30   | 2003017            | ----              | BLOCK THRUST WASHER      | 1   |
| 32   | 2003087            | 188059-11         | SWASH PLATE              | 1   |
| 34   | 53502              | 4164841-004       | BALL THRUST BEARING      | 1   |
| 37   | 2003005            | 188059-15         | ARM-TRUNION              | 1   |
| 38   | 2000015            | 2721615-13        | SLOT GUIDE               | 1   |
| 42A  | 70743              | 4121354           | SHOCK VALVE KIT (.031")  | 1   |
| 42B  | 70741              | 4121355           | SHOCK VALVE KIT (BLANK)  | 1   |
| 44   | 70402              | 4137278-07        | CHARGE RELIEF VALVE KIT  | 1   |
| 49   | 2513043            | 2721615-17        | TRUNNION SEAL/RETAIN KIT | 1   |
| 56   | 9005110-4400       | ----              | STRAIGHT THREAD PLUG     | 1   |
| 57   | 9005110-5600       | 4157242-025       | PLUG-9/16-20 STEEL       | 1   |
| 100  | 70525              | 2721615-18        | OVERHAUL SEAL KIT        | 1   |

FIGURE 9

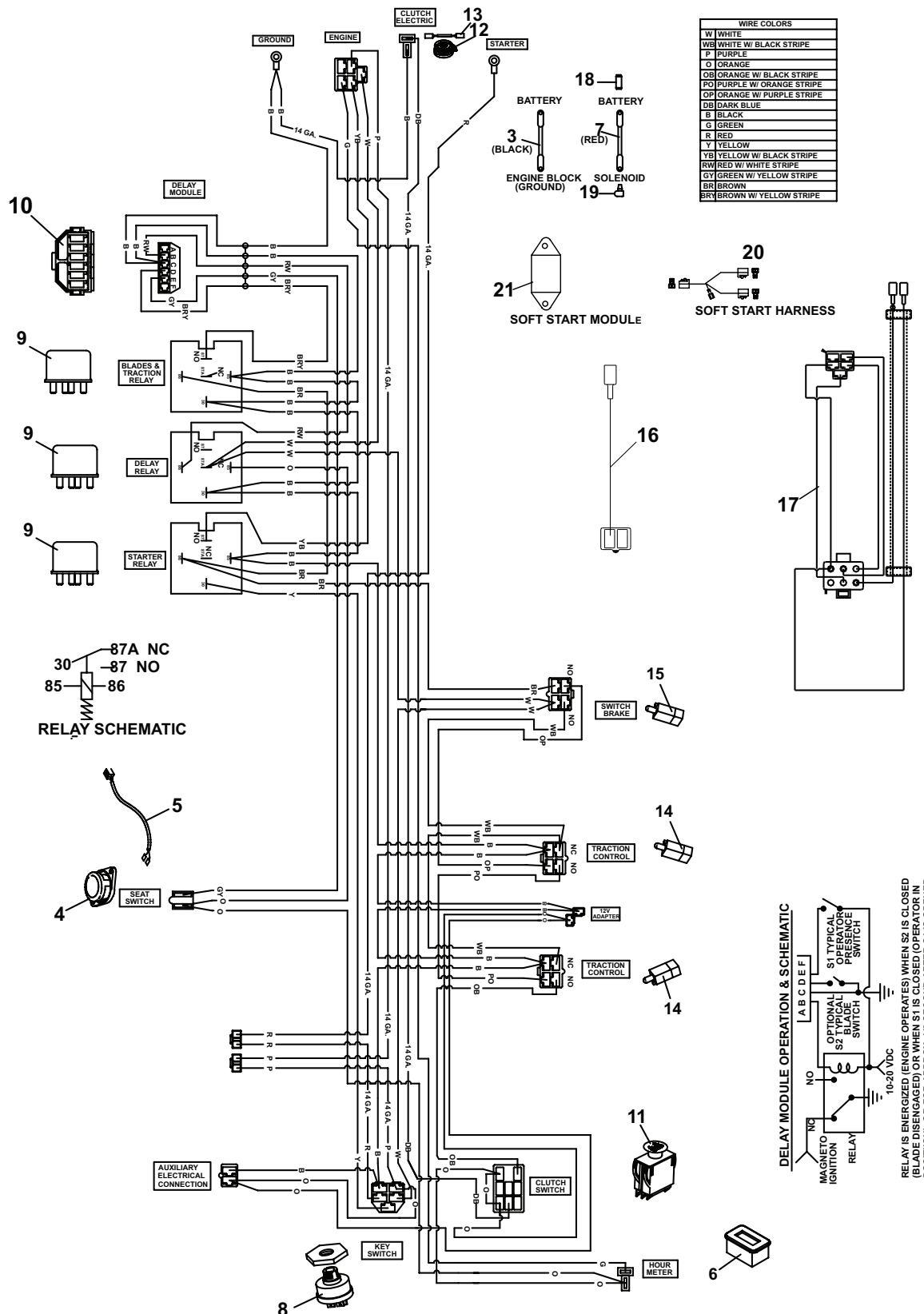
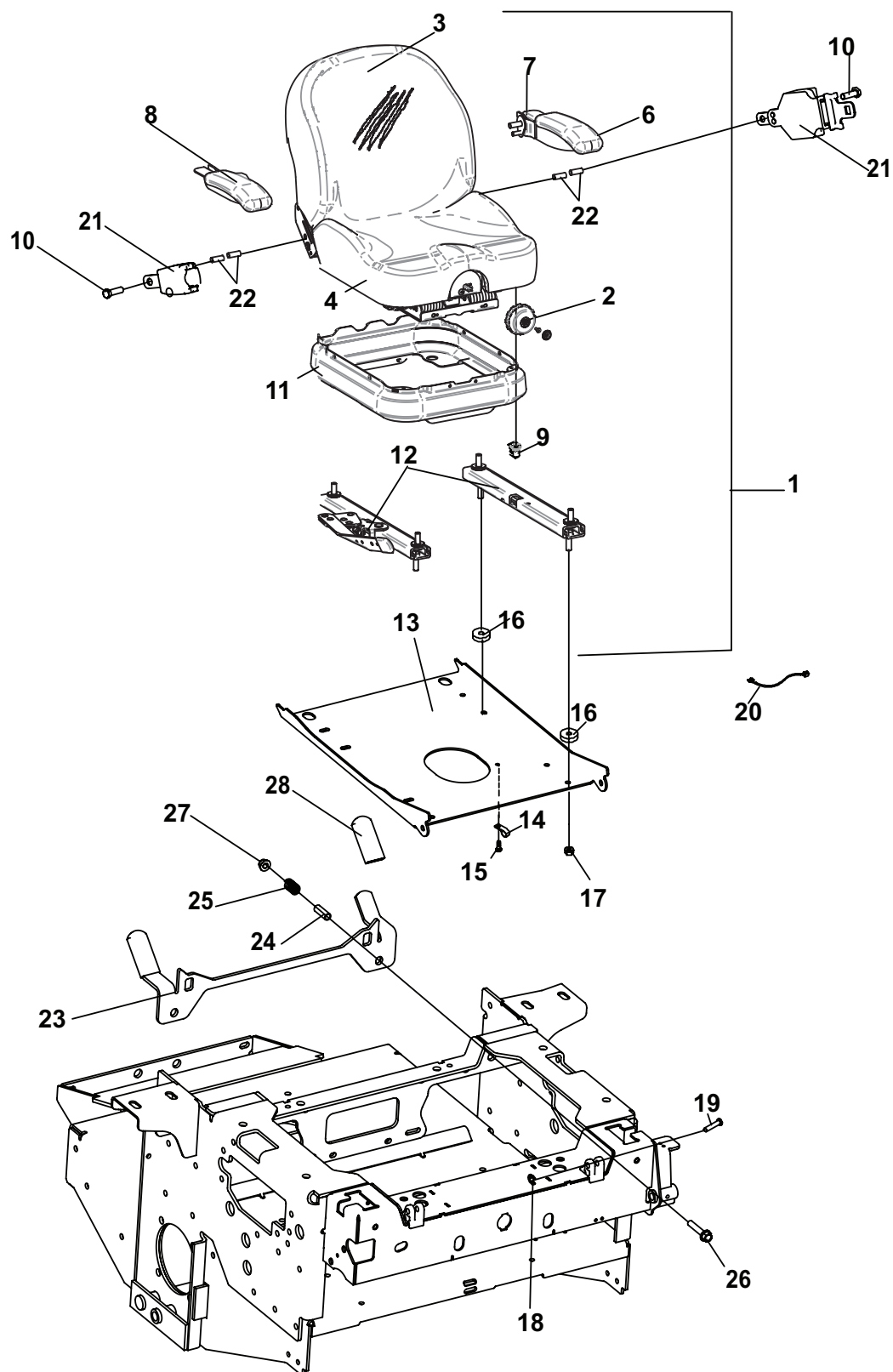


FIGURE 9

| ITEM | PART NO.                 | DESCRIPTION            | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|--------------------------|------------------------|-----|------|----------|-------------|-----|
| 1    | 4165575                  | HARNESS-WIRING MAIN    | 1   |      |          |             |     |
| 2    | 148082-20                | FUSE-20 AMP            | 2   |      |          |             |     |
| 3    | 108061-13                | CABLE-BATTERY 36 BLACK | 1   |      |          |             |     |
| 4    | 4124009                  | SWITCH-SEAT, NO        | 1   |      |          |             |     |
| 5    | 4143068                  | JUMPER-SEAT SWITCH     | 1   |      |          |             |     |
| 6    | 4165120                  | METER-HOUR             | 1   |      |          |             |     |
| 7    | 2722227-02               | CABLE-BATT W/CONDUIT   | 1   |      |          |             |     |
|      | (INCLUDES ITEMS 19 & 20) |                        |     |      |          |             |     |
| 8    | 128010                   | KEY-SWITCH             | 1   |      |          |             |     |
| 9    | 2722325                  | RELAY-40AMP SEALED     | 3   |      |          |             |     |
| 10   | 2188154                  | MODULE-DELAY           | 1   |      |          |             |     |
| 11   | 2721505                  | SWITCH-PTO             | 1   |      |          |             |     |
| 12   | 4165689                  | CLUTCH-ELECTRIC        | 1   |      |          |             |     |
|      | (INCLUDES ITEM 13)       |                        |     |      |          |             |     |
| 13   | 2720949                  | ASSY-CLUTCH WIRE       | 1   |      |          |             |     |
| 14   | 108208                   | SWITCH-DBL POLE        | 2   |      |          |             |     |
| 15   | 2188156                  | SWITCH-NONO DBL POLE   | 1   |      |          |             |     |
| 16   | 4168099                  | HARNESS-LIGHT JUMPER   | 1   |      |          |             |     |
| 17   | 4168183                  | HARNESS-JUMPER EFI     | 1   |      |          |             |     |
| 18   | 2308095                  | COVER-TERMINAL         | 3   |      |          |             |     |
| 19   | 112386                   | BOOT-BAT TERM POS      | 1   |      |          |             |     |
| 20   | 4165923                  | HARNESS-SOFT START     | 1   |      |          |             |     |
| 21   | 4169459                  | CONTROL-SOFT START     | 1   |      |          |             |     |

FIGURE 10



### FIGURE 10

| ITEM | PART NO.   | DESCRIPTION                              | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|------------|------------------------------------------|-----|------|----------|-------------|-----|
| 1    | 4169768    | SEAT ASSY<br>(INCLUDES ITEMS 2-8, 11-12) | 1   |      |          |             |     |
| 2    | 4169768-05 | KNOB-WGHT ADJUST                         | 1   |      |          |             |     |
| 3    | 4169768-01 | COVER- BACK VINYL                        | 1   |      |          |             |     |
| 4    | 4169768-06 | COVER-CUSHION                            | 1   |      |          |             |     |
| 5*   | 4169768-08 | KIT-ARM RH & LH<br>(INCLUDES ITEMS 7&8)  | 1   |      |          |             |     |
| 6    | 4165316-02 | PAD-ARM SINGLE                           | 2   |      |          |             |     |
| 7    | 4169768-02 | ARM KIT-LH                               | 1   |      |          |             |     |
| 8    | 4169768-07 | ARM KIT-RH                               | 1   |      |          |             |     |
| 9    | 4143068    | SWITCH-SEAT NO                           | 1   |      |          |             |     |
| 10   | 64123-216  | BLT-7/16-20 X2-1/4                       | 2   |      |          |             |     |
| 11   | 4169768-03 | BELLOWS W/HRDWR                          | 1   |      |          |             |     |
| 12   | 4169768-04 | TRACK SET-SEAT                           | 1   |      |          |             |     |
| 13   | 4169779.7  | PLATE-SEAT                               | 1   |      |          |             |     |
| 14   | 48228A     | CABLE CLIP-INSULATED                     | 2   |      |          |             |     |
| 15   | 64152-23   | SCREW 1/4-20X3/8                         | 2   |      |          |             |     |
| 16   | 2720975-07 | SPACER                                   | 4   |      |          |             |     |
| 17   | 64141-6    | NUT-WLF 5/16-18                          | 4   |      |          |             |     |
| 18   | 64144-30   | SNAP RING                                | 2   |      |          |             |     |
| 19   | 33138-09   | PIN-CLEVIS                               | 2   |      |          |             |     |
| 20   | 4143068    | JUMPER-SEAT SWITCH                       | 1   |      |          |             |     |
| 21   | 4169768-09 | KIT-SEAT BELT<br>(INCLUDES ITEMS 10, 22) | 2   |      |          |             |     |
| 22   | 4167820-02 | SPACER                                   | 4   |      |          |             |     |
| 23   | 4169777.2  | BRKT-LATCH,SEAT                          | 1   |      |          |             |     |
| 24   | 4169778    | SPACER-LATCH,SEAT                        | 2   |      |          |             |     |
| 25   | 41-053     | SPRING COMP .681X1.125                   | 2   |      |          |             |     |
| 26   | 64262-014  | BLT-FLANGE HD 3/8-16 X 2                 | 2   |      |          |             |     |
| 27   | 64268-03   | NUT-FL NYLON LOCK 3/8-16                 | 2   |      |          |             |     |
| 28   | 4135868    | COVER-HANDLE                             | 2   |      |          |             |     |

\* NOT ILLUSTRATED

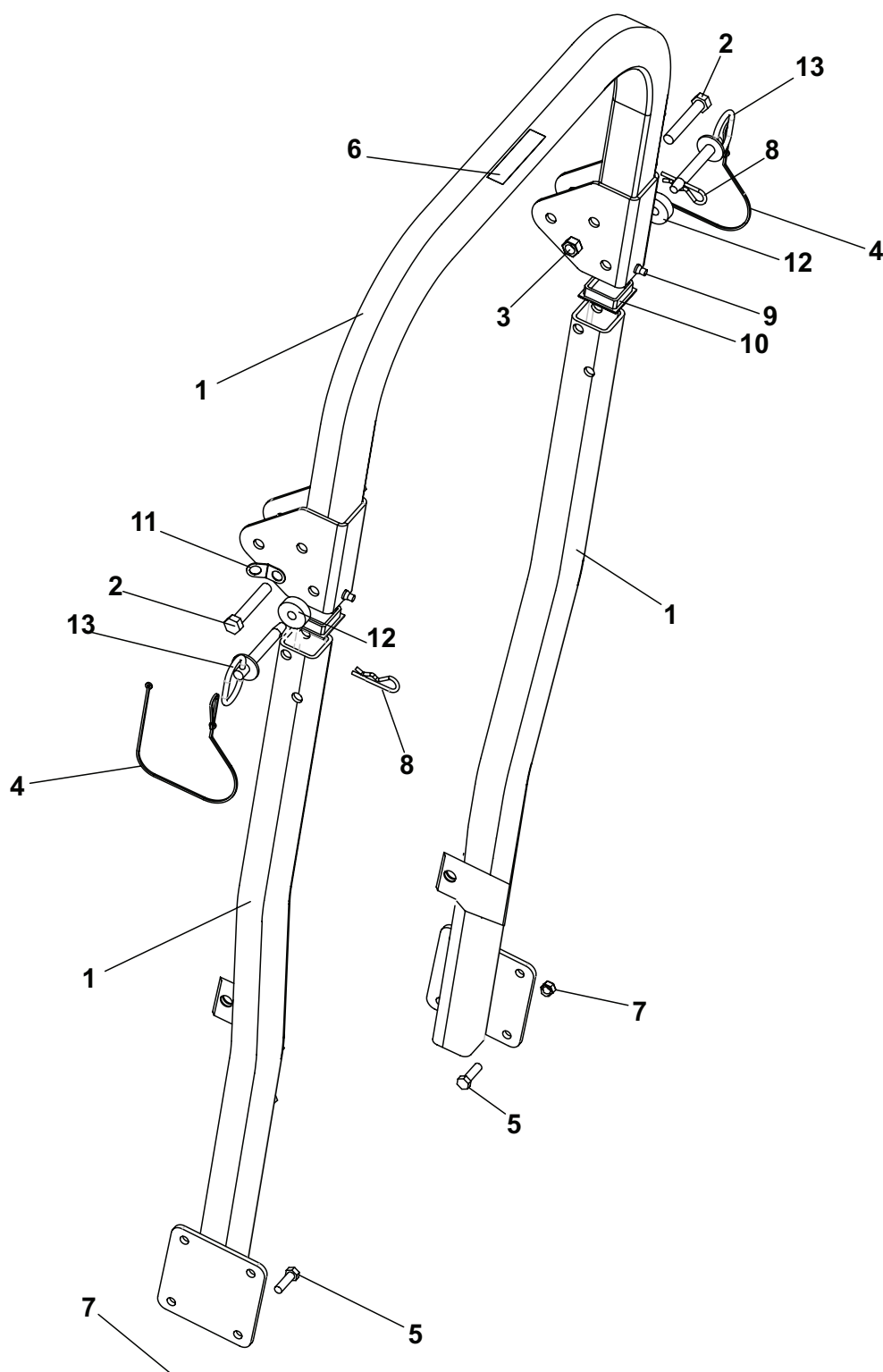


FIGURE 11

| ITEM | PART NO.  | DESCRIPTION                               | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-----------|-------------------------------------------|-----|------|----------|-------------|-----|
| 1    | 4168257   | S-ROPS W/ LABELS<br>(INCLUDES ITEMS 2-13) | 1   |      |          |             |     |
| 2    | 64123-31  | BOLT-1/2-13 X 3                           | 2   |      |          |             |     |
| 3    | 64151-7   | LOCKNUT- 1/2-13                           | 2   |      |          |             |     |
| 4    | 4162880   | LANYARD-NYLON                             | 2   |      |          |             |     |
| 5    | 64262-011 | BLT-FLG HD 3/8-16X1                       | 8   |      |          |             |     |
| 6    | 4160347   | LABEL-WARNING ROPS                        | 1   |      |          |             |     |
| 7    | 64268-03  | NUT-FL NYLN LOCK 3/8-16                   | 8   |      |          |             |     |
| 8    | 64168-1   | PIN-COTTER                                | 2   |      |          |             |     |
| 9    | 4160343   | BUMPER RUBBER                             | 2   |      |          |             |     |
| 10   | 4160344   | PLUG                                      | 2   |      |          |             |     |
| 11   | 4160348   | WASHER-FORMED                             | 2   |      |          |             |     |
| 12   | 4162878   | WASHER-RUBBER                             | 2   |      |          |             |     |
| 13   | 4162879   | PIN-HITCH 1/2                             | 2   |      |          |             |     |

FIGURE 12

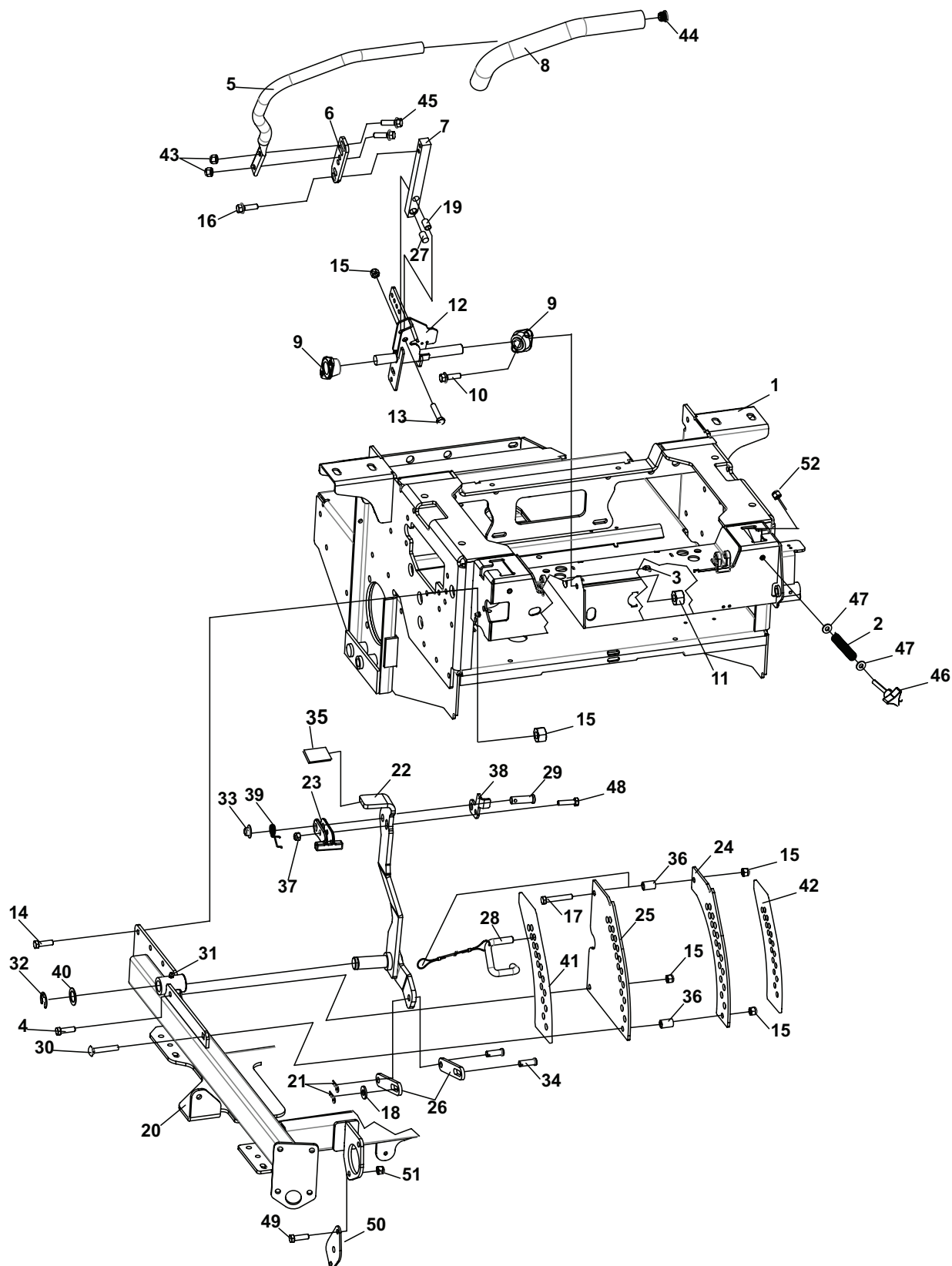
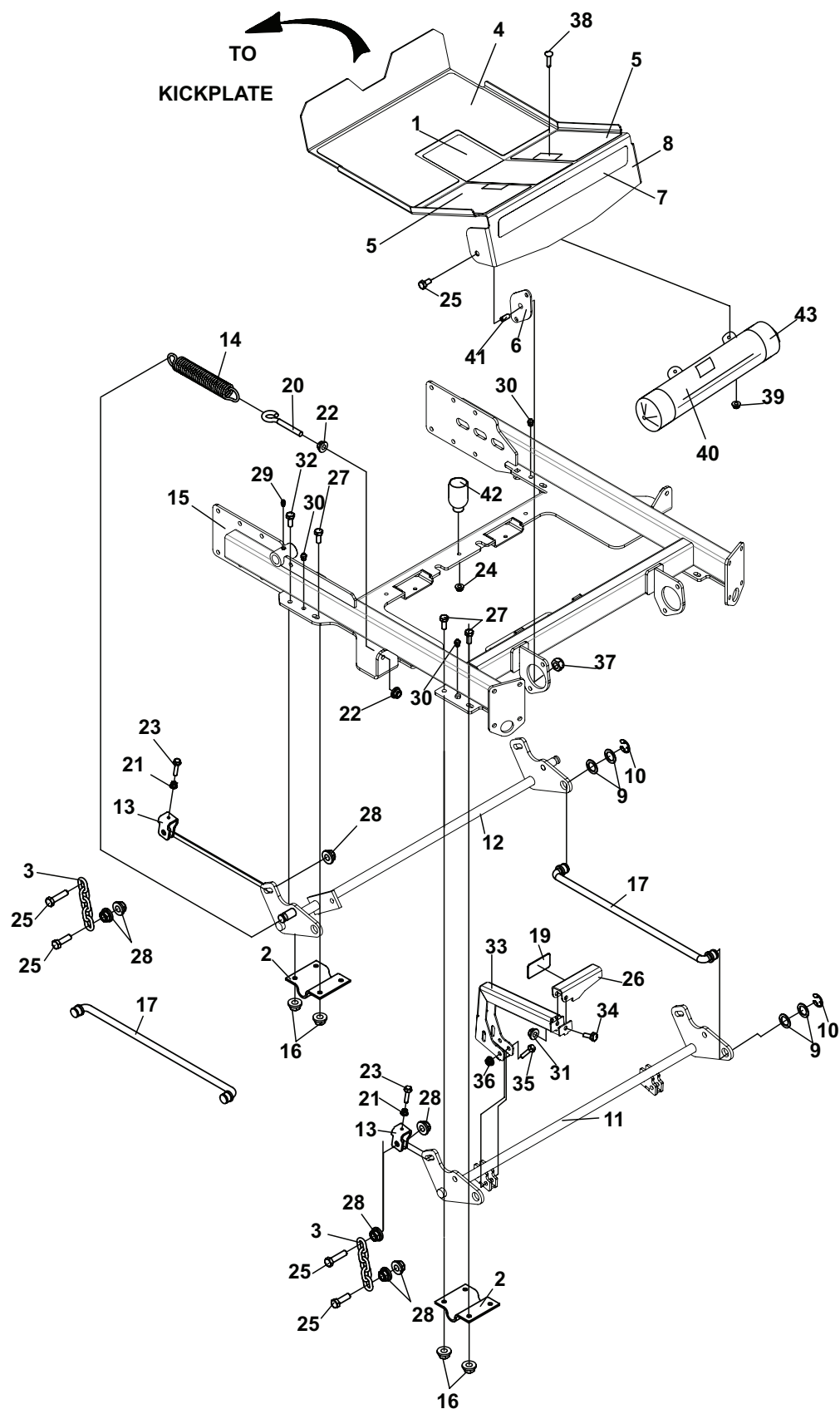


FIGURE 12

| ITEM | PART NO.  | DESCRIPTION             | QTY | ITEM | PART NO.   | DESCRIPTION              | QTY |
|------|-----------|-------------------------|-----|------|------------|--------------------------|-----|
| 1    | 4167906   | S ENGINE DECK W/LABS    | 1   | 31   | 85010N     | ZERK, 1/4-28 STR SELF TH | 11  |
| 2    | 4163746   | SPRING                  | 2   | 32   | 64221-04   | E-RING .875              | 1   |
| 3    | 4165962   | ZERK-90 DEGREE          | 2   | 33   | 64175-05   | NUT-PUSH 1/2             | 1   |
| 4    | 64123-50  | BLT-HEX 3/8-16X1        | 1   | 34   | 64188-36   | PIN, CLEVIS 7/16X1-1/4   | 2   |
| 5    | 4165426.7 | LEVER-TRACTION CNTRL    | 2   | 35   | 4167151    | GRIP                     | 1   |
| 6    | 4166920.7 | BRKT-TRACTION LEVER     | 2   | 36   | 2183071-03 | SPACER-15.88X10.32X24    | 2   |
| 7    | 4169529   | BAR-TRACTION CONTROL    | 2   | 37   | 64268-02   | NUT-FL NY LOCK 5/16-18   | 1   |
| 8    | 4165432   | GRIP-HANDLE             | 2   | 38   | 4167159.7  | ARM-LATCH                | 1   |
| 9    | 2188145   | BEARING-.SELF ALIGN     | 4   | 39   | 4167138    | SPRING-TORSION           | 1   |
| 10   | 64123-15  | BOLT-3/8-16X3/4 HEX     | 8   | 40   | 64163-65   | WSHR .890X1.375X18GA     | 6   |
| 11   | 64141-4   | NUT-WLF 3/8-16          | 8   | 41   | 4165654    | LBL-ZT200 HT CUT OUTER   | 1   |
| 12   | 4167143   | WLDMT-MTN CONTRL LH     | 1   | 42   | 4165655    | LBL-ZT200 HT CUT INNER   | 1   |
| *    | 4167144   | WLDMT-MTN CONTRL RH     | 1   | 43   | 64268-03   | NUT-FL NYLON LOCK 3/8-16 | 2   |
| 13   | 64123-87  | BLT-HEX 3/8-16X1-3/4    | 2   | 44   | 4163692    | CAP-END                  | 2   |
| 14   | 64123-16  | BLT-HEX 3/8-16X1-1/4    | 12  | 45   | 64018-7    | BLT-CRG 3/8-16X1-1/4     | 4   |
| 15   | 64229-03  | NUT-NYLON LOCK 3/8-16   | 20  | 46   | 4163446    | KNOB                     | 2   |
| 16   | 64262-011 | BLT-FLG HD 3/8-16 X 1   | 6   | 47   | 64163-55   | WSHR .328X.75X14 GA      | 4   |
| 17   | 64123-67  | BLT-HEX 3/8-16X2        | 1   | 48   | 64123-47   | BLT-HEX 5/16-18X1-1/4    | 2   |
| 18   | 64163-43  | WSHR.443/.454X1X11GA    | 1   | 49   | 64262-011  | BLT-FLG HD 3/8-16 X 1    | 4   |
| 19   | 4165474   | SPACER                  | 2   | 50   | 4167139.7  | PLATE-FOOT PLATE MNTNG   | 2   |
| 20   | 4165390.7 | WLDMT-CRADLE            | 1   | 51   | 64229-03   | NUT-NYLON LOCK 3/8-16    | 4   |
| 21   | 64168-2   | COTTER-HAIRPIN.08X1.19  | 2   | 52   | 64229-02   | NUT-NYLON LOCK 5/16-18   | 2   |
| 22   | 4167153.7 | WLDMT-DECK LIFT LEVER   | 1   | 53   | 64163-95   | WSHR-.344X.688X.065      | 2   |
| 23   | 4162904.7 | WLDMT-LVR STOP LATCH    | 1   |      |            |                          |     |
| 24   | 4165384.7 | BRKT-INNER DECK LIFT    | 1   |      |            |                          |     |
| 25   | 4165385.7 | BRKT-OUTER DECK LIFT    | 1   |      |            |                          |     |
| 26   | 4165389.7 | BRACKET-LIFT LINK       | 2   |      |            |                          |     |
| 27   | 4162999   | SPACER                  | 2   |      |            |                          |     |
| 28   | 4165656   | ASSY, PIN & LANYARD     | 1   |      |            |                          |     |
| 29   | 64188-76  | PIN-CLEVIS 1/2X1-3/8    | 1   |      |            |                          |     |
| 30   | 64018-38  | BOLT-CRG 3/8-16 X 2-1/4 | 1   |      |            |                          |     |

\*NOT ILLUSTRATED

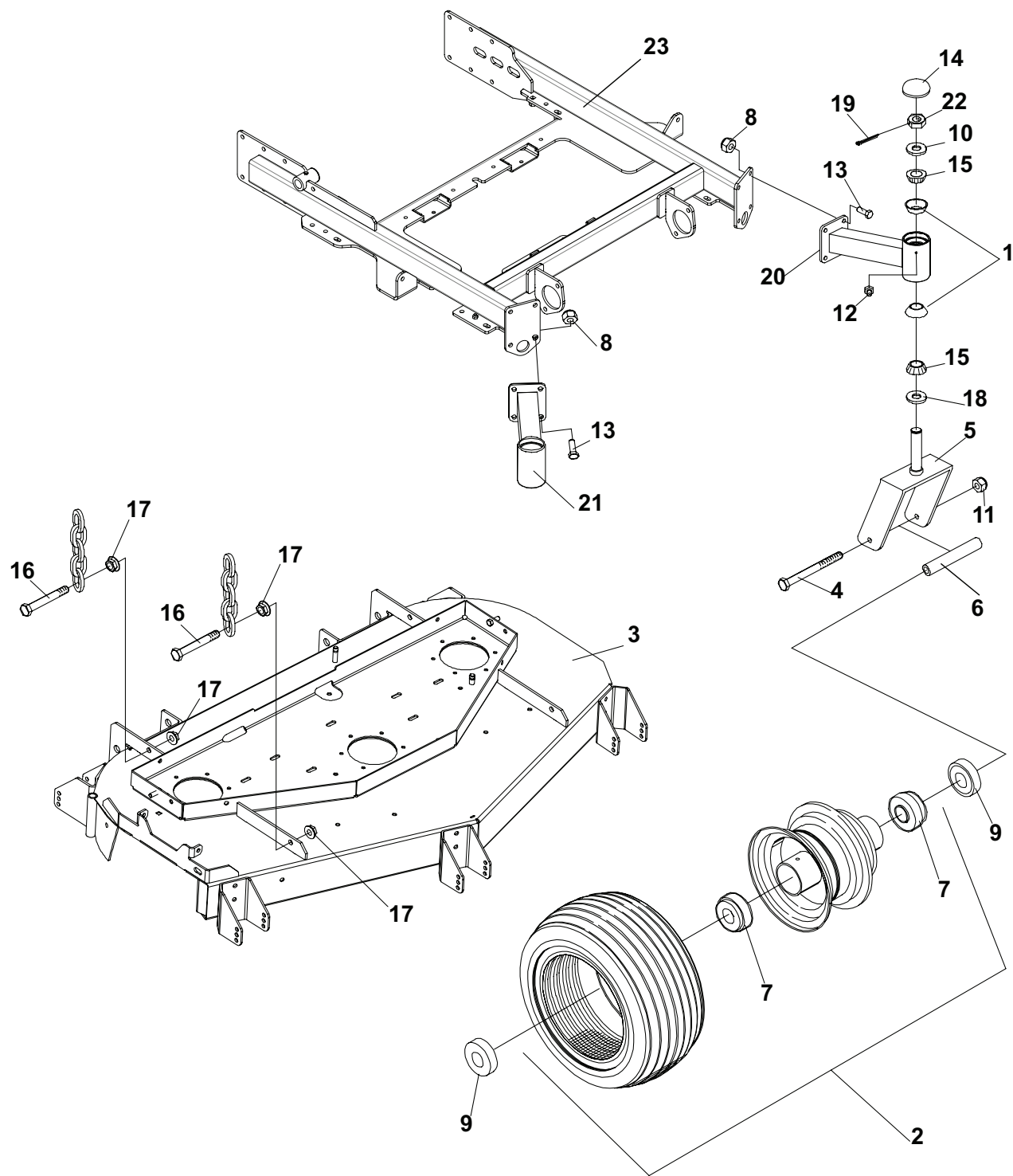
FIGURE 13



| ITEM | PART NO.   | DESCRIPTION                                   | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|------------|-----------------------------------------------|-----|------|----------|-------------|-----|
| 1    | 4165610    | LABEL-WARNING                                 | 1   |      |          |             |     |
| 2    | 2182356.7  | BRACKET-SHAFT HANGER                          | 4   |      |          |             |     |
| 3    | 2188127    | CHAIN-6.35 (.250) 5 LINKS                     | 4   |      |          |             |     |
| 4    | 4165647    | MAT-FOOT PLATE LOWER                          | 1   |      |          |             |     |
| 5    | 4166266    | MAT-FOOT PLATE UPPER                          | 2   |      |          |             |     |
| 6    | 4167139.7  | PLATE-FOOTPLATE MNTG                          | 2   |      |          |             |     |
| 7    | 4165657    | LABEL-PROCAT                                  | 1   |      |          |             |     |
| 8    | 4166267    | S-FOOT PLATE (BOBCAT)<br>(INCLUDES ITEMS 4-7) | 1   |      |          |             |     |
| 9    | 64163-65   | WASHER-.890X1.375X18GA                        | 8   |      |          |             |     |
| 10   | 64221-04   | E-RING.875                                    | 4   |      |          |             |     |
| 11   | 4165379.7  | WLDMT-DECK LIFT, FRONT                        | 1   |      |          |             |     |
| 12   | 4165427.7  | WLDMT-DECK LIFT, REAR                         | 1   |      |          |             |     |
| 13   | 2722630    | CLIP-DECK HEIGHT ADJ                          | 4   |      |          |             |     |
| 14   | 4165675    | SPRING-DECK LIFT                              | 2   |      |          |             |     |
| 15   | 4165390.7  | WLDMT-CRADLE                                  | 1   |      |          |             |     |
| 16   | 64268-03   | NUT-FL NYLN LCK 3/8-16                        | 15  |      |          |             |     |
| 17   | 4167826    | ROD-DECK LIFT                                 | 2   |      |          |             |     |
| 18 * | 4111842.7  | BRKT-SPRING ANCHOR LH                         | 1   |      |          |             |     |
| 19   | 4165556    | MAT-FOOT LIFT                                 | 1   |      |          |             |     |
| 20   | 4113682    | ROD-SPRING MOUNT                              | 2   |      |          |             |     |
| 21   | 64141-2    | NUT-WLF 1/4-20                                | 4   |      |          |             |     |
| 22   | 64141-4    | NUT-WLF 3/8-16                                | 4   |      |          |             |     |
| 23   | 64197-020  | BLT-TDFM 1/4-20X1-1/2                         | 4   |      |          |             |     |
| 24   | 64268-02   | NUT-FL NYLON LOCK 5/16-18                     | 3   |      |          |             |     |
| 25   | 64123-281  | BLT-HEX 1/2-13X2 FL THRD                      | 10  |      |          |             |     |
| 26   | 4165596.7  | BRKT-FOOT, LIFT LEVER                         | 1   |      |          |             |     |
| 27   | 64262-011  | BLT-FLG HD 3/8-16 X 1                         | 15  |      |          |             |     |
| 28   | 64141-13   | NUT WLF 1/2-13                                | 16  |      |          |             |     |
| 29   | 85010N     | ZERK, 1/4-28 STR SLFTHRD                      | 1   |      |          |             |     |
| 30   | 85051      | ZERK-1/8 PIPE                                 | 6   |      |          |             |     |
| 31   | 64229-03   | NUT-NYLON LOCK 3/8-16                         | 1   |      |          |             |     |
| 32   | 64018-3    | BLT-CRG 3/8-16X1                              | 2   |      |          |             |     |
| 33   | 4165593.7  | WLDMT-FOOT PEDAL                              | 1   |      |          |             |     |
| 34   | 64123-100  | BLT-HEX 3/8-16X2-1/4                          | 1   |      |          |             |     |
| 35   | 64123-67   | BLT-HEX 3/8-16X2                              | 2   |      |          |             |     |
| 36   | 64001-6    | NUT-HEX JAM 3/8-16                            | 2   |      |          |             |     |
| 37   | 64229-05   | NUT-NYLON LOCK 3/8                            | 2   |      |          |             |     |
| 38   | 64018-2    | BLT-CRG 1/4-20X3/4                            | 2   |      |          |             |     |
| 39   | 64268-01   | NUT-FL NYLON LOCK 1/4-20                      | 2   |      |          |             |     |
| 40   | 4160281    | DOCUMENT TUBE                                 | 1   |      |          |             |     |
| 41   | 4163802-01 | SPACER-1.0 X .516 X .75                       | 2   |      |          |             |     |
| 42   | 4164210    | BUMPER-RUBBER                                 | 3   |      |          |             |     |
| 43   | 38061A     | CAP-DOCUMENT TUBE                             | 1   |      |          |             |     |

\*NOT ILLUSTRATED

FIGURE 14



PROCAT SE

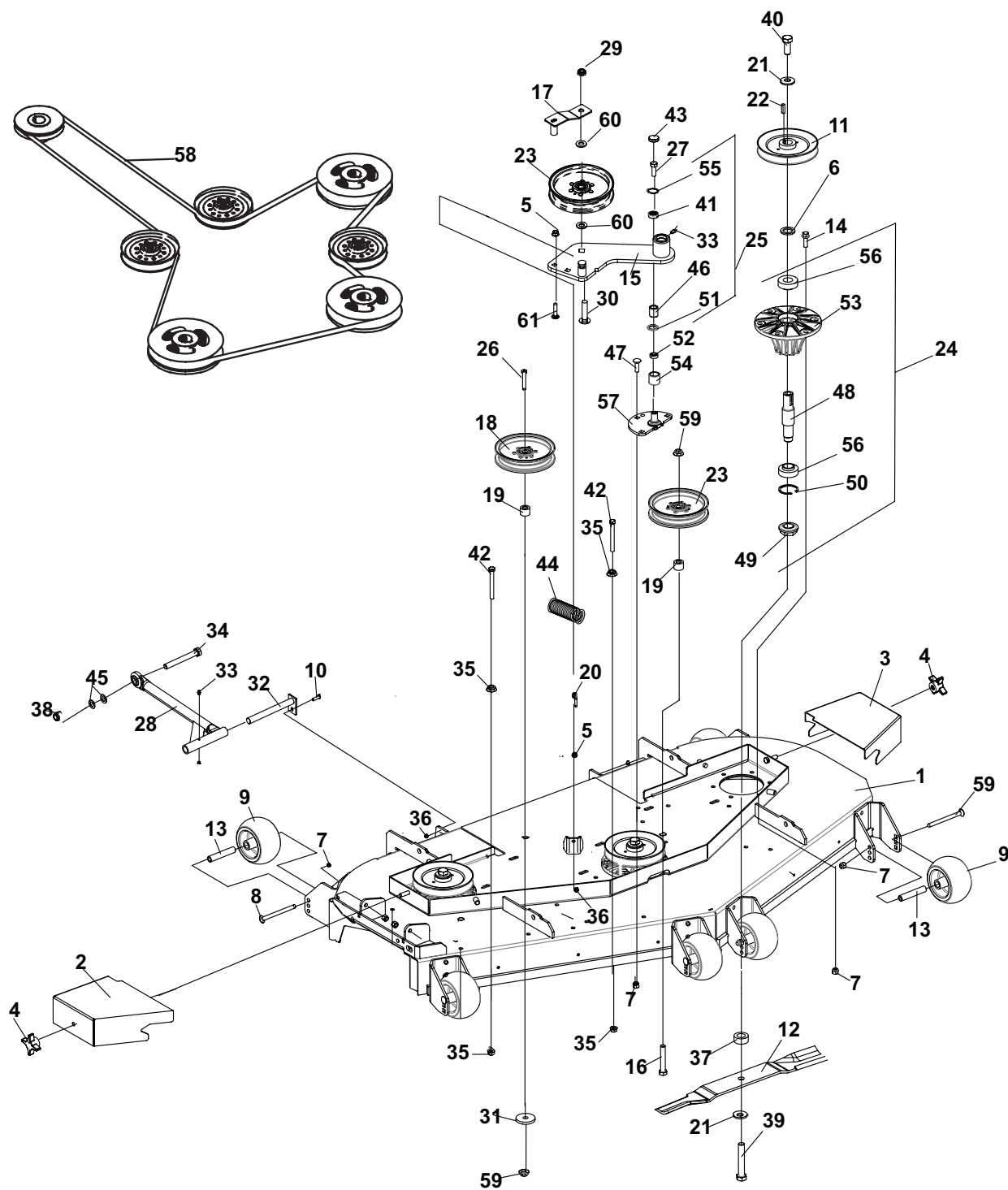
FIGURE 14

| ITEM | PART NO.   | DESCRIPTION                                    | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|------------|------------------------------------------------|-----|------|----------|-------------|-----|
| 1    | 48043-03C  | CUP, OUTER BEARING                             | 4   |      |          |             |     |
| 2    | 2722326    | ASSY-WHEEL 13X6.5-6<br>(INCLUDES ITEM 7)       | 2   |      |          |             |     |
|      | 4167970    | ASSY-WHL HIGH CROWN<br>(OPTIONAL)              |     |      |          |             |     |
| 3    |            | DECK/W LABS                                    |     |      |          |             |     |
| 4    | 64123-223  | BOLT-3/4-10 X 10                               | 2   |      |          |             |     |
| 5    | 2722452.7  | WLDMT-CASTER YOKE                              | 2   |      |          |             |     |
| 6    | 2722230-03 | SPANNER                                        | 2   |      |          |             |     |
| 7    | 2722228-03 | BEARING                                        | 2   |      |          |             |     |
| 8    | 64229-03   | NUT-NYLON LOCK 3/8-16                          | 8   |      |          |             |     |
| 9    | 2722231    | SPACER-END                                     | 4   |      |          |             |     |
| 10   | 64163-26   | WASHER                                         | 2   |      |          |             |     |
| 11   | 64229-07   | LOCKNUT-NYLON 3/4-10                           | 2   |      |          |             |     |
| 12   | 85010N     | ZERK, 1/4-28 STR SLF THD                       | 2   |      |          |             |     |
| 13   | 64262-011  | BLT-HEX 3/8-16X1                               | 8   |      |          |             |     |
| 14   | 2188135    | DUST COVER                                     | 2   |      |          |             |     |
| 15   | 48043-04C  | CONE, OUTER BEARING                            | 4   |      |          |             |     |
| 16   | 64123-281  | BLT-HEX 1/2-13X2 FLLTHD                        | 8   |      |          |             |     |
| 17   | 64141-13   | NUT WLF 1/2-13                                 | 16  |      |          |             |     |
| 18   | 48480      | SEAL CR 12411                                  | 2   |      |          |             |     |
| 19   | 64140-5    | COTTER PIN                                     | 2   |      |          |             |     |
| 20   | 4165326.7  | WLDMT-CSTR ARM 52 LH<br>(USED WITH 52" DECKS)  | 1   |      |          |             |     |
|      | 4165327.7  | WLDMT-CSTR ARM 61 LH<br>(USED WITH 61" DECKS)  |     |      |          |             |     |
| 21   | 4165323.7  | WLDMT-CSTR ARM 52 RH<br>(USED WITH 52" DECKS)  | 1   |      |          |             |     |
|      | 4165324.7  | WLDMT-CSTER ARM 61 RH<br>(USED WITH 61" DECKS) |     |      |          |             |     |
| 22   | 64025-20   | NUT-HEX 3/4-16 SLOT U                          | 2   |      |          |             |     |
| 23   | 4165390.7  | WLDMT-CRADLE                                   | 1   |      |          |             |     |

# 52" SIDE DISCHARGE

## FIGURE 15

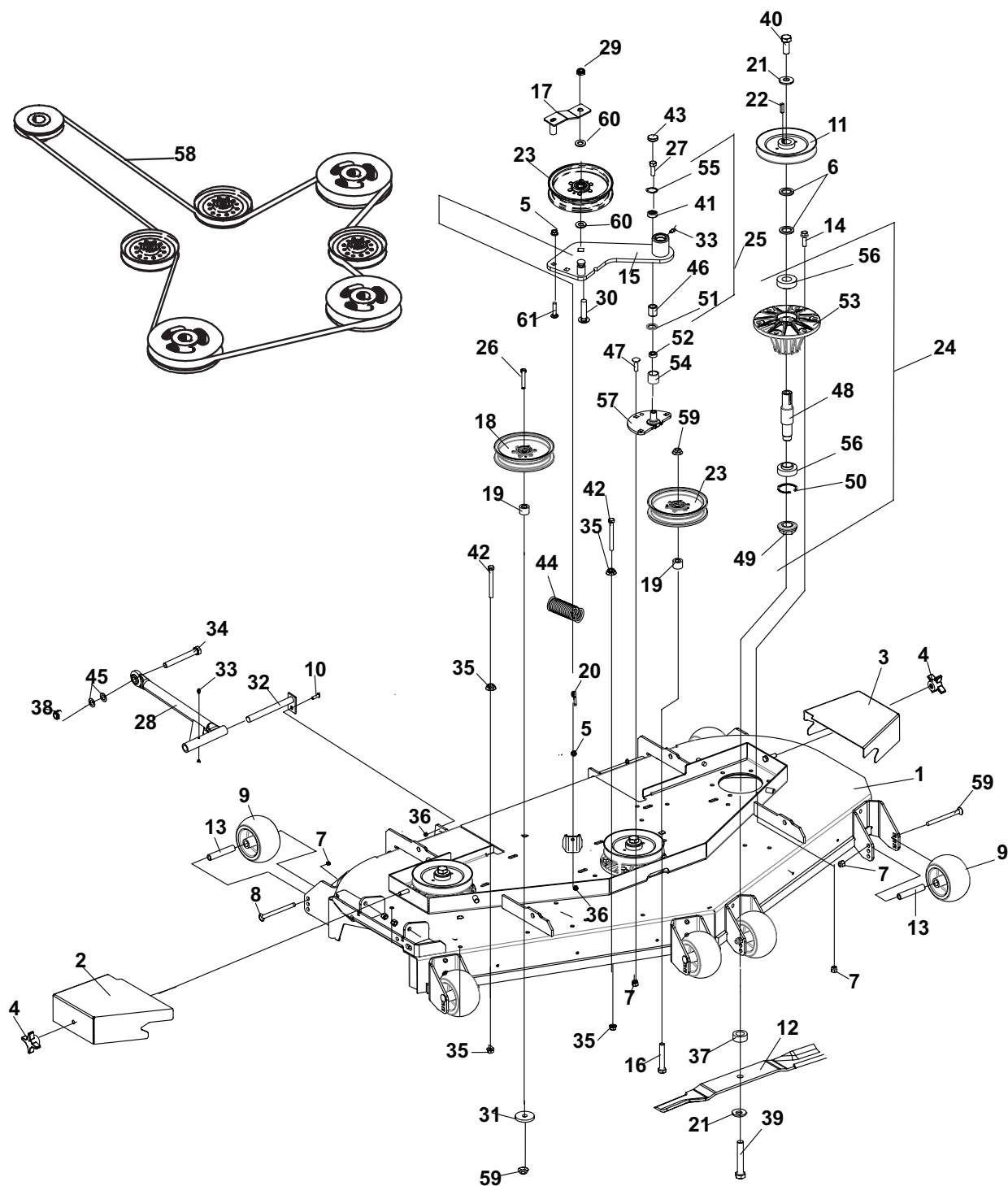
PROCAT SE



| ITEM | PART NO.   | DESCRIPTION                               | QTY | ITEM | PART NO.    | DESCRIPTION              | QTY |
|------|------------|-------------------------------------------|-----|------|-------------|--------------------------|-----|
| 1    | 4170629    | S-DECK W/ LABELS 52" ZT2                  | 1   | 45   | 64163-93    | WSHR-.635 X 1.12 X.062   | 4   |
| 2    | 4165608.7  | COVER-BELT RH                             | 1   | 46   | 548138      | BRG NDL .88 1.21         | 1   |
| 3    | 4165609.7  | COVER-BELT LH                             | 1   | 47   | 64018-7     | BOLT-CRG 3/8-16 C 1-1/4  | 3   |
| 4    | 38524      | KNOB-4 PRONG 3/8-16                       | 2   | 48   | 2183070-02  | SHAFT-SPINDLE            | 3   |
| 5    | 64141-6    | NUT-WLF 5/16-18                           | 2   | 49   | 38315       | NUT-SPINDLE              | 3   |
| 6    | 64163-64   | WSHR 1.015X1.500X14GA                     | 3   | 50   | 64144-38    | RING-SNAP                | 3   |
| 7    | 64229-03   | NUT-NYLON LOCK 3/8-16                     | 27  | 51   | 521438      | GREASE SEAL              | 1   |
| 8    | 64123-173  | BLT-HEX 3/8-16X4-1/2                      | 3   | 52   | 4163014     | SPACER                   | 1   |
| 9    | 2721512    | ROLLER-5X2.75 CENTERED                    | 6   | 53   | 4164948     | HOUSING-SPINDLE 6 HOLE   | 3   |
| 10   | 64123-68   | BLT-HEX 5/16-18X1                         | 2   | 54   | 4163155     | INNER RING               | 1   |
| 11   | 4165646    | PULLEY-5.25 DEEP GRVE                     | 3   | 55   | 64144-40    | SNAP RING-2NTERNL        | 1   |
| 12   | 112111-02  | BLADE 18.00 OFFST HLFT                    | 3   | 56   | 41675554-01 | BEARING-SPINDLE SEALED   | 6   |
| 13   | 2720685    | SPACER-ROLLER                             | 6   | 57   | 4170021.7   | WLDMT-IDLER PIN          | 1   |
| 14   | 64262-012  | BLT-FLG HD 3/8-16 X 1-1/4                 | 18  | 58   | 4169640     | BELT-CUTTERDECK 52"      | 1   |
| 15   | 4168888.7  | WLDMT-IDLER ARM                           | 1   | 59   | 64268-05    | NUT-FL NYLON LOCK 1/2-13 | 2   |
| 16   | 64018-46   | BLT-CRG 1/2-13X3-1/2                      | 3   | 60   | 64163-67    | WSHR-5/16 X 1X 12 GA     | 2   |
| 17   | 4168884.7  | GUIDE, BELT                               | 1   | 61   | 64018-34    | BLT-CRG 5/16-18 x 1-1/2  | 1   |
| 18   | 4165953    | PULLEY-IDLER, 6.0                         | 1   |      |             |                          |     |
| 19   | 4162578-02 | SPACER-2.0 X .515 X1.07                   | 2   |      |             |                          |     |
| 20   | 4169597    | EYE BOLT-5/16-18 X 1-1/2                  | 1   |      |             |                          |     |
| 21   | 64209-03   | SPRING WASHER.67 ID                       | 6   |      |             |                          |     |
| 22   | 64164-12   | KEY-1/4X1 SQ                              | 3   |      |             |                          |     |
| 23   | 128169     | PULLEY IDLER 5.50                         | 2   |      |             |                          |     |
| 24   | 4171231    | ASSY-CTTERDECK SPNDL                      | 3   |      |             |                          |     |
|      |            | (INCLUDES ITEMS 48-50, 53, & 56)          |     |      |             |                          |     |
| 25   | 4168886    | ASSY-IDLER ARM 48-52                      | 1   |      |             |                          |     |
|      |            | (INCLUDES ITEMS 15, 33, 41, 46, 51, & 55) |     |      |             |                          |     |
| 26   | 90-0828    | S/B BOLT 1/2-13X3 1/2 NC                  | 1   |      |             |                          |     |
| 27   | 64270-02   | BLT-HEX M10-1.5x30 ISO                    | 1   |      |             |                          |     |
| 28   | 4133155.7  | WLDMT-PUSH ARM ZT2                        | 2   |      |             |                          |     |
| 29   | 64151-37   | NUT-HEX, 1/2-13NYLON JAM                  | 1   |      |             |                          |     |
| 30   | 64018-45   | BLT-CRG, 1/2-13 X 2-1/4                   | 1   |      |             |                          |     |
| 31   | 64163-74   | WSHR-.516X2.00X.25 PLT                    | 1   |      |             |                          |     |
| 32   | 2186125    | WLDMT-LOCK PUSHBAR                        | 2   |      |             |                          |     |
| 33   | 85010N     | ZERK 1/4-28 STR SLF THRD                  | 5   |      |             |                          |     |
| 34   | 64123-152  | BLT-HEX 5/8-11X5                          | 2   |      |             |                          |     |
| 35   | 64141-4    | NUT-WLF 3/8-16                            | 4   |      |             |                          |     |
| 36   | 64229-02   | NUT-NYLON LOCK 5/16-18                    | 3   |      |             |                          |     |
| 37   | 4118314    | SPACER-BLADE 16MM                         | 3   |      |             |                          |     |
| 38   | 64229-06   | NUT-NYLON LOCK 5/8-11                     | 2   |      |             |                          |     |
| 39   | 64123-187  | BLT-HEX 5/8-18 X 3 3/4                    | 3   |      |             |                          |     |
| 40   | 64123-208  | BLT-HEX 5/8-18X1-1/2                      | 3   |      |             |                          |     |
| 41   | 4128004    | BEARING-BALL 10 X 26 X 8                  | 1   |      |             |                          |     |
| 42   | 64123-171  | BLT-HEX 3/8-16X3-1/2                      | 2   |      |             |                          |     |
| 43   | 4128002    | CAP-26 X 7 END                            | 1   |      |             |                          |     |
| 44   | 4168493    | SPRING-EXTENSION                          | 1   |      |             |                          |     |

\* NOT ILLUSTRATED

FIGURE 16

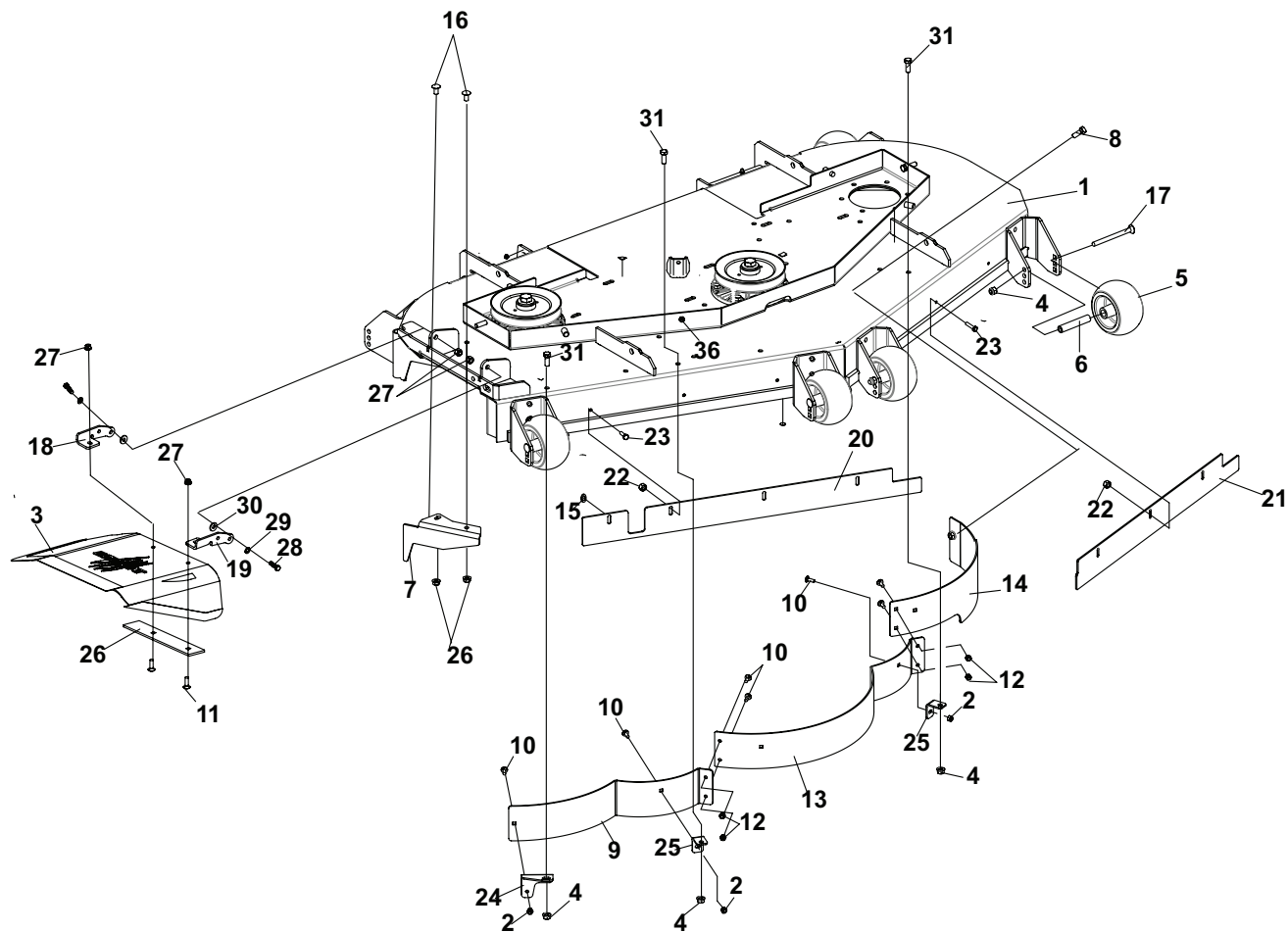


## FIGURE 16

| ITEM | PART NO.   | DESCRIPTION                               | QTY | ITEM | PART NO.    | DESCRIPTION              | QTY |
|------|------------|-------------------------------------------|-----|------|-------------|--------------------------|-----|
| 1    | 4170630    | S-DECK W/ LABELS 61"                      | 1   | 46   | 548138      | BRG NDL .88 1.21         | 1   |
| 2    | 4165456.7  | BELT COVER-RH                             | 1   | 47   | 64018-7     | BOLT-CRG 3/8-16 C 1-1/4  | 3   |
| 3    | 4165455.7  | BELT COVER-LH                             | 1   | 48   | 2183070-02  | SHAFT-SPINDLE            | 3   |
| 4    | 38524      | KNOB-4 PRONG 3/8-16                       | 2   | 49   | 38315       | NUT-SPINDLE              | 3   |
| 5    | 64141-6    | NUT-WLF 5/16-18                           | 2   | 50   | 64144-38    | RING-SNAP                | 3   |
| 6    | 64163-68   | WSHR-1.015X1.5X9GA                        | 6   | 51   | 521438      | GREASE SEAL              | 1   |
| 7    | 64229-03   | NUT-NYLON LOCK 3/8-16                     | 27  | 52   | 4163014     | SPACER                   | 1   |
| 8    | 64123-173  | BLT-HEX 3/8-16X4-1/2                      | 3   | 53   | 4164948     | HOUSING-SPINDLE 6 HOLE   | 3   |
| 9    | 2721512    | ROLLER-5X2.75 CENTERED                    | 6   | 54   | 4163155     | INNER RING               | 1   |
| 10   | 64123-68   | BLT-HEX 5/16-18X1                         | 2   | 55   | 64144-40    | SNAP RING-2NTERNL        | 1   |
| 11   | 2308140    | PULLEY-ENGINE                             | 3   | 56   | 41675554-01 | BEARING-SPINDLE SEALED   | 6   |
| 12   | 112111-03  | BLADE 21.00 OFFST HLFT                    | 3   | 57   | 4170021.7   | WLDMT-IDLER PIN          | 1   |
| 13   | 2720685    | SPACER-ROLLER                             | 6   | 58   | 4169463     | BELT-CUTTERDECK 61"      |     |
| 14   | 64262-012  | BLT-FLG HD 3/8-16 X 1-1/4                 | 18  | 59   | 64268-05    | NUT-FL NYLON LOCK 1/2-13 | 2   |
| 15   | 4168888.7  | WLDMT-IDLER ARM                           | 1   | 60   | 64163-67    | WSHR-5/16 X 1X 12 GA     | 2   |
| 16   | 64018-46   | BLT-CRG 1/2-13X3-1/2                      | 3   | 61   | 64018-34    | BLT-CRG 5/16-18 x 1-1/2  | 1   |
| 17   | 4168884.7  | GUIDE, BELT                               | 1   |      |             |                          |     |
| 18   | 4165953    | PULLEY-IDLER, 6.0                         | 1   |      |             |                          |     |
| 19   | 4162578-02 | SPACER-2.0 X .515 X1.07                   | 2   |      |             |                          |     |
| 20   | 4169597    | EYE BOLT-5/16-18 X 1-1/2                  | 1   |      |             |                          |     |
| 21   | 64209-03   | SPRING WASHER.67 ID                       | 6   |      |             |                          |     |
| 22   | 64164-12   | KEY-1/4X1 SQ                              | 3   |      |             |                          |     |
| 23   | 128169     | PULLEY IDLER 5.50                         | 2   |      |             |                          |     |
| 24   | 4171231    | ASSY-CTTERDECK SPNDL                      | 3   |      |             |                          |     |
|      |            | (INCLUDES ITEMS 48, 50, 53, & 56)         |     |      |             |                          |     |
| 25   | 4168886    | ASSY-IDLER ARM 48-52                      | 1   |      |             |                          |     |
|      |            | (INCLUDES ITEMS 15, 33, 41, 46, 51, & 55) |     |      |             |                          |     |
| 26   | 90-0828    | S/B BOLT 1/2-13X3 1/2 NC                  | 1   |      |             |                          |     |
| 27   | 64270-02   | BLT-HEX M10-1.5x30 ISO                    | 1   |      |             |                          |     |
| 28   | 4133155.7  | WLDMT-PUSH ARM ZT2                        | 2   |      |             |                          |     |
| 29   | 64151-37   | NUT-HEX,1/2-13NYLON JAM                   | 1   |      |             |                          |     |
| 30   | 64018-45   | BLT-CRG, 1/2-13 X 2-1/4                   | 1   |      |             |                          |     |
| 31   | 64163-74   | WSHR-.516X2.00X.25 PLT                    | 1   |      |             |                          |     |
| 32   | 2186125    | WLDMT-LOCK PUSHBAR                        | 2   |      |             |                          |     |
| 33   | 85010N     | ZERK 1/4-28 STR SLF THRD                  | 5   |      |             |                          |     |
| 34   | 64123-152  | BLT-HEX 5/8-11X5                          | 2   |      |             |                          |     |
| 35   | 64141-4    | NUT-WLF 3/8-16                            | 4   |      |             |                          |     |
| 36   | 64229-02   | NUT-NYLON LOCK 5/16-18                    | 3   |      |             |                          |     |
| 37   | 4118314    | SPACER-BLADE 16MM                         | 3   |      |             |                          |     |
| 38   | 64229-06   | NUT-NYLON LOCK 5/8-11                     | 2   |      |             |                          |     |
| 39   | 64123-187  | BLT-HEX 5/8-18 X 3 3/4                    | 3   |      |             |                          |     |
| 40   | 64123-208  | BLT-HEX 5/8-18X1-1/2                      | 3   |      |             |                          |     |
| 41   | 4128004    | BEARING-BALL 10 X 26 X 8                  | 1   |      |             |                          |     |
| 42   | 64123-171  | BLT-HEX 3/8-16X3-1/2                      | 2   |      |             |                          |     |
| 43   | 4128002    | CAP-26 X 7 END                            | 1   |      |             |                          |     |
| 44   | 4168493    | SPRING-EXTENSION                          | 1   |      |             |                          |     |
| 45   | 64163-93   | WSHR-.635 X 1.12 X.062                    | 4   |      |             |                          |     |

\* NOT ILLUSTRATED

FIGURE 17



# CHUTE, BAFFLES, AND EDGES

PROCAT SE

FIGURE 17

| ITEM | PART NO.  | DESCRIPTION              | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-----------|--------------------------|-----|------|----------|-------------|-----|
| 1    | 4170630   | S-DECK W/ LABELS 61"     | 1   |      |          |             |     |
| 2    | 64268-01  | NUT-FL NYLON LOCK 1/4-20 | 3   |      |          |             |     |
| 3    | 4168131   | CHUTE-RUBBER ASSY        | 1   |      |          |             |     |
| 4    | 64229-03  | NUT-NYLON LOCK 3/8-16    | 7   |      |          |             |     |
| 5    | 2721512   | ROLLER-5X2.75 CENTERED   | 7   |      |          |             |     |
| 6    | 2720685   | SPACER-ROLLER            | 7   |      |          |             |     |
| 7    | 4168085.2 | BAFFLE-DISCHARGE 52"     | 1   |      |          |             |     |
|      | 4171432.2 | BAFFLE-DISCHARGE 61"     |     |      |          |             |     |
| 8    | 64123-50  | BLT-HEX 3/8-16X1         | 7   |      |          |             |     |
| 9    | 4171792.7 | BAFFLE-FRONT,RH 61IN     | 1   |      |          |             |     |
|      | 4168516.7 | BAFFLE-FRONT,RH 52IN     | 1   |      |          |             |     |
| 10   | 64018-2   | BLT-CRG 1/4-20X3/4       | 7   |      |          |             |     |
| 11   | 64018-7   | BLT-CRG 3/8-16X1-1/4     | 5   |      |          |             |     |
| 12   | 64229-01  | NUT-NYLON LOCK 1/4-20    | 7   |      |          |             |     |
| 13   | 4168642.7 | BAFFLE-FRONT,CNTR 61IN   | 1   |      |          |             |     |
|      | 4165966.7 | BAFFLE-FRONT,CNTR 52IN   | 1   |      |          |             |     |
| 14   | 4165968.7 | BAFFLE-FRONT,LH 61IN     | 1   |      |          |             |     |
|      | 4165965.7 | BAFFLE-FRONT,LH52IN      | 1   |      |          |             |     |
| 15   | 64163-55  | WSHR .328X.75X14 GA      | 1   |      |          |             |     |
| 16   | 64018-23  | BLT-CRG 3/8-16X3/4       | 2   |      |          |             |     |
| 17   | 64018-30  | BLT-CRG 3/8-16 X 4-1/2   | 4   |      |          |             |     |
| 18   | 4169849.7 | BRKT-CHUTE, REAR         | 1   |      |          |             |     |
| 19   | 4169850.7 | BRKT-CHUTE, FRONT        | 1   |      |          |             |     |
| 20   | 4166480.2 | EXTENSION-61"RH          | 1   |      |          |             |     |
|      | 4166478.2 | EXTENSION-52"RH          | 1   |      |          |             |     |
| 21   | 4166481.2 | EXTENSION-61"LH          | 1   |      |          |             |     |
|      | 4166479.2 | EXTENSION-52"LH          | 1   |      |          |             |     |
| 22   | 64141-2   | NUT-WLF 1/4-20           | 7   |      |          |             |     |
| 23   | 64123-114 | BLT-HEX 1/4-20X1         | 7   |      |          |             |     |
| 24   | 4168487.2 | BRKT-BAFFLE MNTG 61"     | 1   |      |          |             |     |
|      | 4168515.2 | BRKT-BAFFLE MNTG 52"     | 1   |      |          |             |     |
| 25   | 4168523.2 | BRKT-BAFFLE MNTG 61"     | 2   |      |          |             |     |
|      | 4168514.2 | BRKT-BAFFLE MNTG 52"     | 2   |      |          |             |     |
| 26   | 4169851.7 | PLATE-CHUTE              | 1   |      |          |             |     |
| 27   | 64268-03  | NUT-FL NYLON LOCK 3/8-16 | 6   |      |          |             |     |
| 28   | 64123-16  | BLT-HEX 3/8-16 X 1-1/4   | 2   |      |          |             |     |
| 29   | 4169871   | WSHR-BELLVILLE .382 UD   | 2   |      |          |             |     |
| 30   | 4169895   | WSHR-FRICTION, UHMW      | 2   |      |          |             |     |
| 31   | 64123-15  | BLT-HEX 3/8-16X3/4       | 3   |      |          |             |     |

FIGURE 18

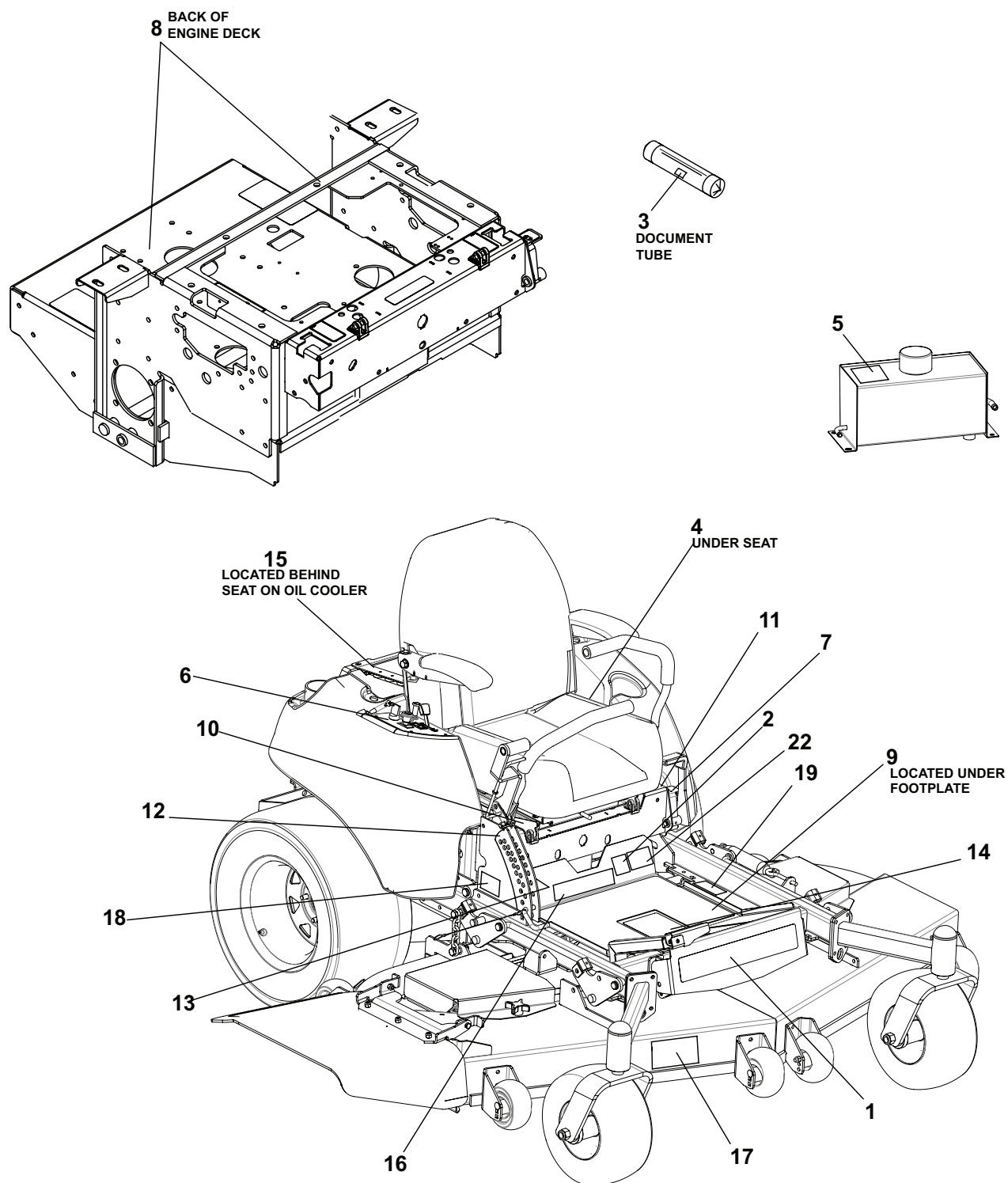


FIGURE 18

| ITEM | PART NO. | DESCRIPTION             | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|----------|-------------------------|-----|------|----------|-------------|-----|
| 1    | 4165657  | LABEL-PROCAT            | 1   |      |          |             |     |
| 2    | 4167209  | LABEL-SE                | 1   |      |          |             |     |
| 3    | 2000735  | LABEL-OPER MAN          | 1   |      |          |             |     |
| 4    | 2000590  | LABEL, WARN BATTERY     | 1   |      |          |             |     |
| 5    | 4165722  | LABEL - HYDR OIL FILL   | 1   |      |          |             |     |
| 6    | 4168693  | LABEL-CONTROL PANEL     | 1   |      |          |             |     |
| 7    | 2000693  | LABEL - PARK BRAKE      | 1   |      |          |             |     |
| 8    | 2000698  | LABEL(DBL) - FUEL/LEAKS | 2   |      |          |             |     |
| 9    | 4171486  | LABEL-ZT INFORMATION    | 1   |      |          |             |     |
| 10   | 4165615  | LABEL - RH TRACTION     | 1   |      |          |             |     |
| 11   | 4165616  | LABEL - LH TRACTION     | 1   |      |          |             |     |
| 12   | 4165654  | LABEL-HT CUT OUTER      | 1   |      |          |             |     |
| 13   | 4165655  | LABEL-HT CUT INNER      | 1   |      |          |             |     |
| 14   | 4165610  | LABEL-WARNING           | 1   |      |          |             |     |
| 15   | 4147617  | LABEL-FUEL              | 1   |      |          |             |     |
| 16   | 4165865  | LABEL-PROCAT            | 1   |      |          |             |     |
| 17   | 4162915  | LABEL-DECK SIZE, 52"    | 1   |      |          |             |     |
|      | 4162916  | LABEL-DECK SIZE, 61"    |     |      |          |             |     |
| 18   | 4116761  | LABEL-MADE IN USA       | 1   |      |          |             |     |
| 19   | 4165730  | LABEL-MANUAL LOCATION   | 1   |      |          |             |     |
| 20*  | 4165932  | LABEL-EPA               | 1   |      |          |             |     |
| 21*  | 4169712  | DECAL-SPRING LENGTH     | 1   |      |          |             |     |
| 22   | 4168560  | LABEL-EFI               | 1   |      |          |             |     |
| 23*  | 4168522  | MAT-CLAW MARKS          | 1   |      |          |             |     |
| 24*  | 4164946  | DECAL-BOB-CAT           | 1   |      |          |             |     |

\*NOT ILLUSTRATED

FIGURE 19

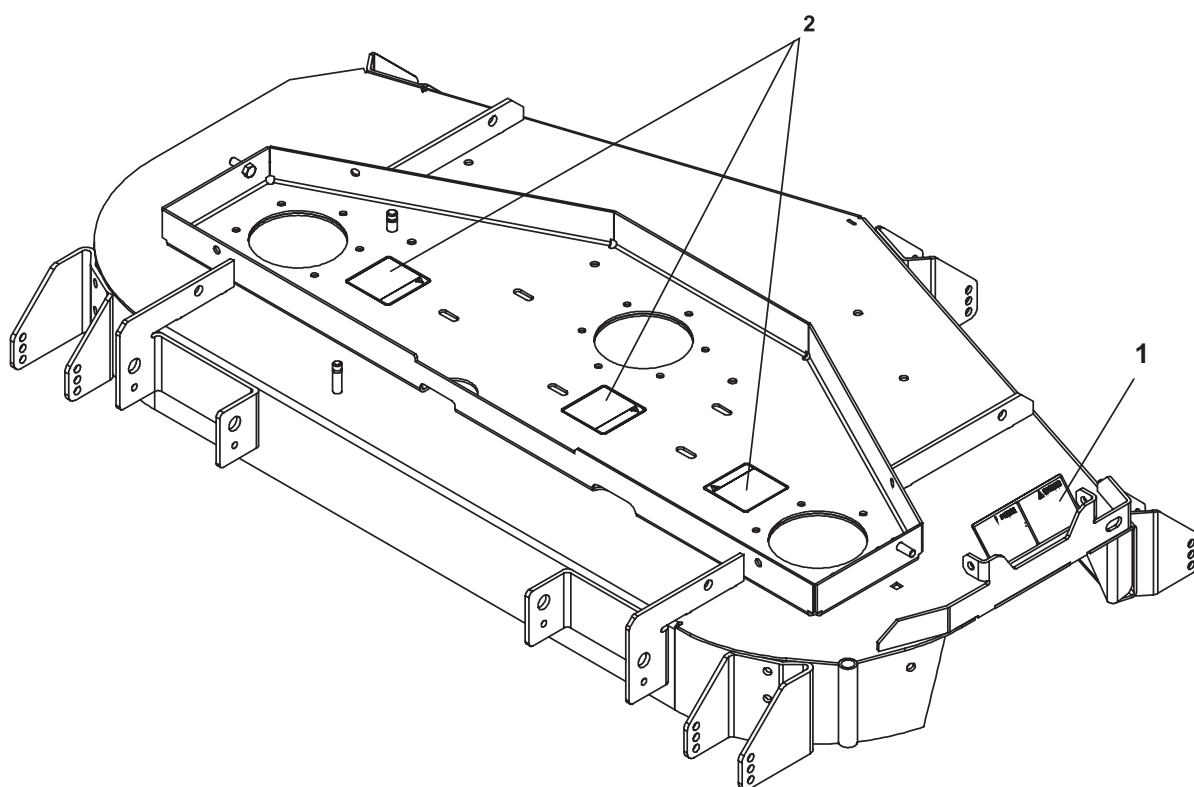


FIGURE 19

| ITEM | PART NO. | DESCRIPTION          | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|----------|----------------------|-----|------|----------|-------------|-----|
| 1    | 4164269  | LABEL-WARNING BLADES | 1   |      |          |             |     |
| 2    | 2000577  | LABEL-WARNING        | 3   |      |          |             |     |

**SCHILLER GROUNDS CARE, INC.**  
**ONE BOB-CAT LANE**  
**P.O. BOX 469**  
**JOHNSON CREEK, WI 53038**  
**920-699-2000**  
**[www.schillergc.com](http://www.schillergc.com)**



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