



**942246F**

**37HP KAW W/61" SIDE DISCHARGE  
(Serial Number 719 and above)**

**942247F**

**37HP KAW W/72" SIDE DISCHARGE**

**MAN 4163723**  
Rev. B 02/2010

OPERATOR'S MANUAL 4163724



# 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.

**California Advertencia**

**⚠ 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.

**de la Proposición 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**

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## 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 CGC, 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.



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

## *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

**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.

### TOOLS REQUIRED FOR ASSEMBLY

- Wrecking bar
- Claw hammer
- Ratchets: 3/8"
- Sockets: 3/8", 1/2", 17 mm
- Wrenches: 13 mm, 15 mm, 17 mm, 18 mm, 1-1/16", 1-1/8"
- Straight edge
- Tire pressure gauge
- Blocks (for deck leveling)

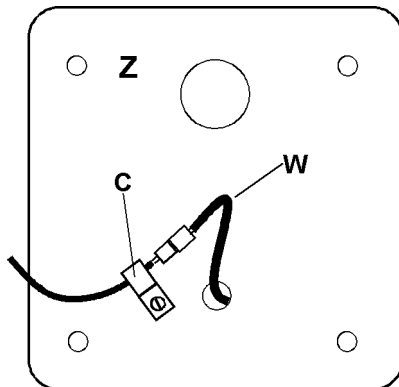
**NOTE:** All references below to the "right" or "left" are with respect to an operator at the controls.

### 1. UNCRATE UNIT

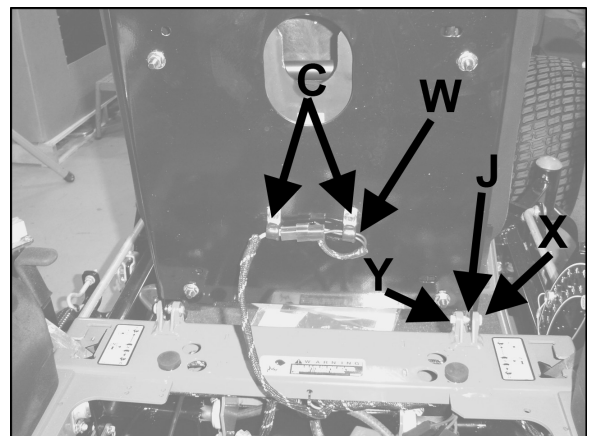
- a) Discard packing materials. Remove and discard shipping brackets. Tighten caster wheel axle bolts against caster axle spanner bushings.

### 2. INSTALL SEAT

- a) Install bushings **J** in seat plate **Z**.
- b) Install seat assembly onto the unit using (2) pins **X** and (2) E-clips **Y**.
- c) Secure seat wire **W** on the bottom of the seat plate with clips **C** and a 1/4-20 X 3/8" thread forming screw.
- d) Connect the tractor harness to the seat wire.



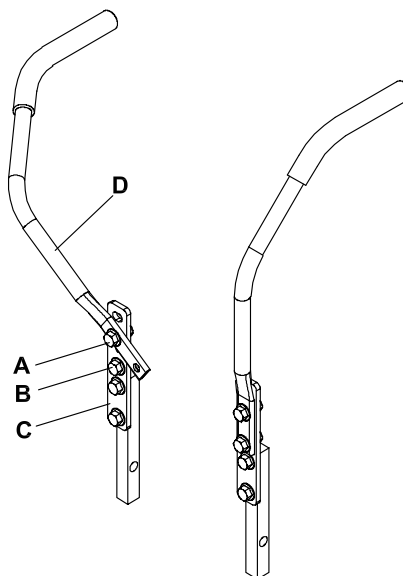
Bottom of seat plate **Z** showing clip **C**



3. Set tire pressures to 14 lbs/in<sup>2</sup> (1.0 kg/cm<sup>2</sup>). Tires are overinflated for shipping.

### 4. TRACTION LEVERS

- Loosen bolt **A** and remove bolt **B**.
- Rotate traction lever **D** into position and secure with bolts **A** and **B**. Repeat for the other lever.
- Tighten all fasteners.
- Sit on the machine. Levers may be adjusted in bracket **C** for a more comfortable reach, or moved to upper set of holes for a better operator fit.



### 5. DECK LEVELING

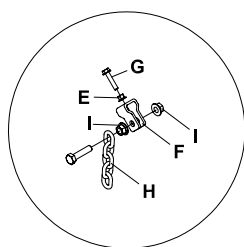
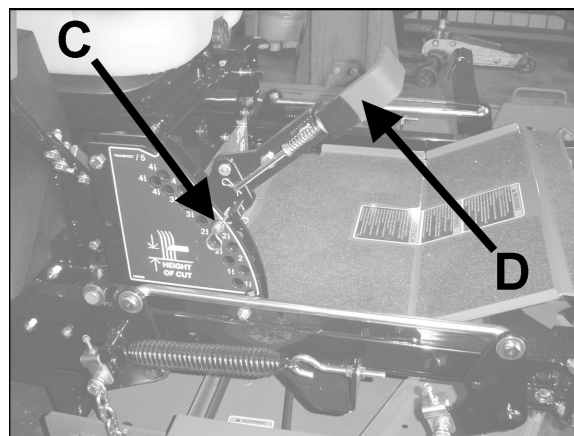
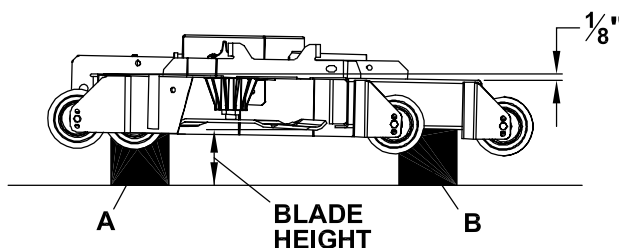
- Park the machine on a smooth, level surface. Raise the deck to the transport position.
- Lower the deck onto a set of equal height blocks **A** under the rear corners of the deck. Place another set of blocks **B** under the front of the deck so that the deck top is pitched forward 1/8".

**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**.

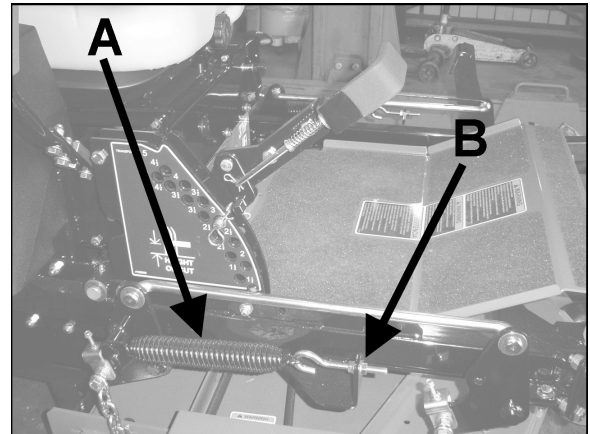
- Loosen the jam nuts **E** on the height of cut clips **F** and adjusting screws **G**. Turn the adjusting screws **G** until the play is taken out of the chains **H** at all four corners. Tighten the jam nuts **E** against the clips **F** and at the adjusting screws **G**. Retighten nuts **I** at this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



### 6. COUNTERBALANCE SPRINGS

- a) Raise the cutterdeck all the way.
- b) Adjust the spring **A** with nut **B**:  
52" cutterdecks to a length of 9-1/8" (232 mm)  
61" cutterdecks to a length of 9-9/16" (242 mm)  
The springs may be tightened or loosened from this point according to personal preference.

**NOTE:** The 48" cutterdecks **do not** have counterbalance springs.



### 7. FINAL PREPARATIONS

- Check the engine and hydraulic oil levels. Top up with the correct oil if necessary. Use 10W30 motor oil for the engine. Use fresh, clean 15W40 or 20W50 motor oil or 15W50 synthetic motor oil for the hydraulic system.
- 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.
  - 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 CHART

## ZT 200 Series

| 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                                |                |                |                 |                 |                 |
| Check/Top Off Oil Level                                               |                                                                                                                                              |                                  |                |                | 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              |                 |                 |                 |

## MAINTENANCE RECORD

[illegible]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 Schiller Grounds Care, Inc.dealer.

Hardware

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

Tire pressure

Tires should be kept inflated at 14 lbs/in<sup>2</sup> (1.0 kg/cm<sup>2</sup>). Improper tire inflation can cause rapid tire wear and poor traction. Uneven inflation can cause uneven cutting.

BATTERY

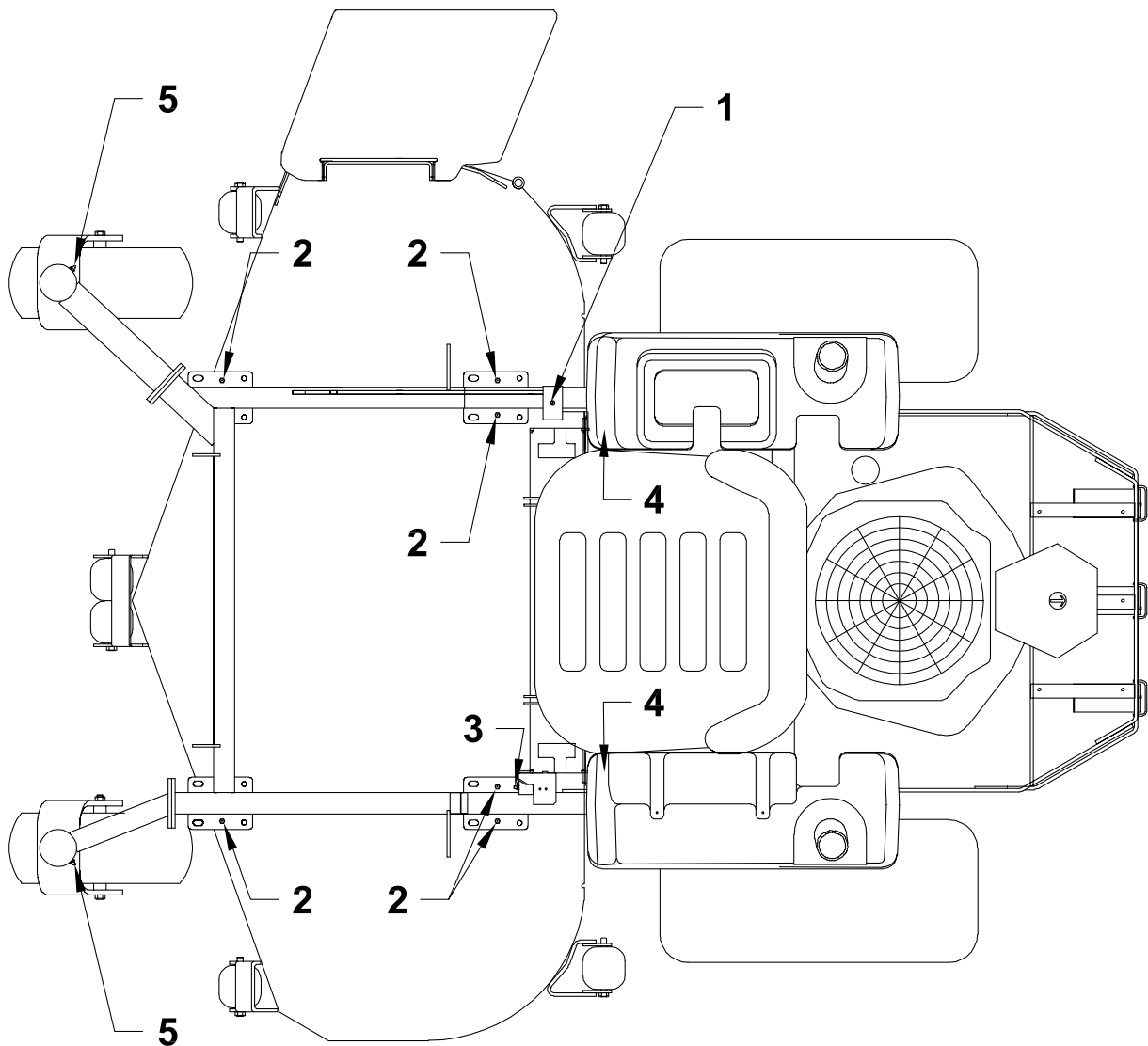
 **WARNING** Battery acid is caustic and fumes are explosive and can cause serious injury or death.

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. Check the electrolyte level every 100 hours of operation.
- 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. 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.

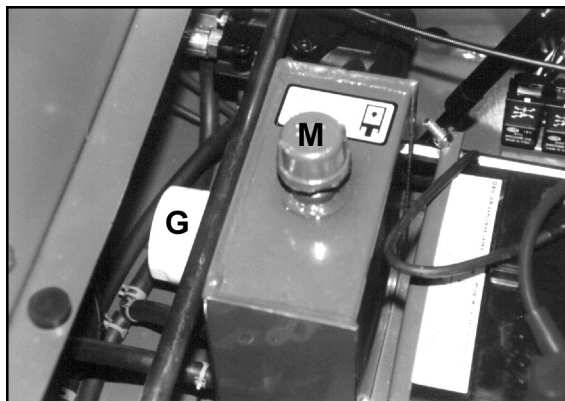
#### NOTES:

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

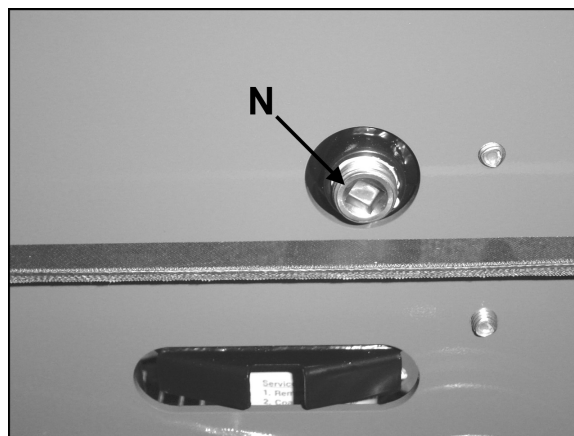
- After any hydraulic line is opened, plug or cap it promptly to reduce the risk of contamination.
- Do not use sealant tape on hydraulic pipe fittings. Use a liquid sealant that will dissolve into the system.
- Make sure all hydraulic connections are tight and hydraulic hoses and lines are in good condition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



View from below machine

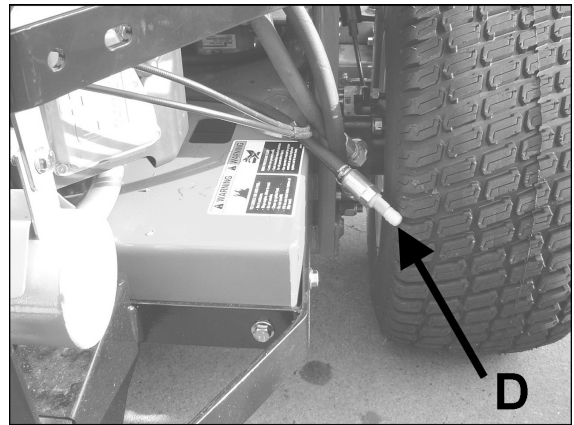
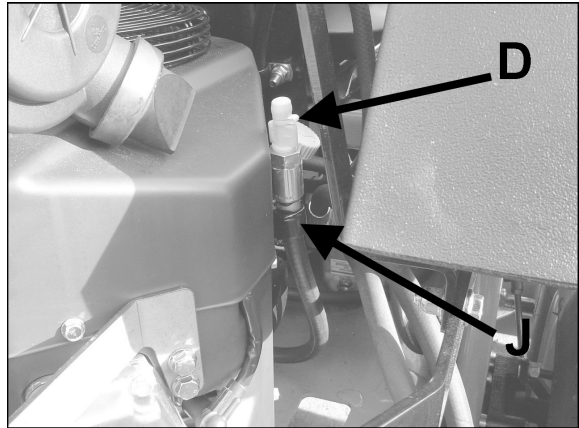
### ENGINE OIL

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 or through the frame cutout, which ever is most convenient.
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 (CARBURETED MODELS)

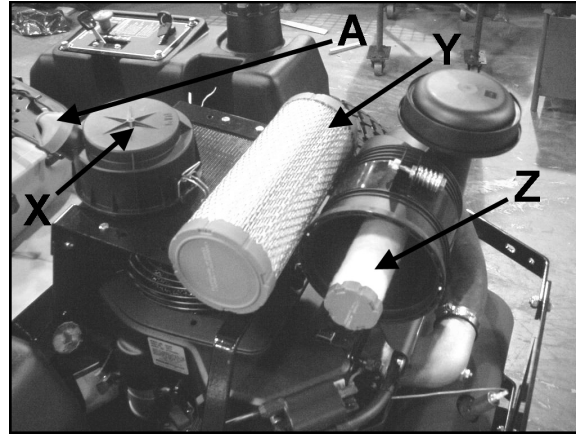
An inline fuel filter is located in the fuel supply line. Inspect at every oil change to make sure it is clean and unobstructed. Replace if dirty.

### 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:

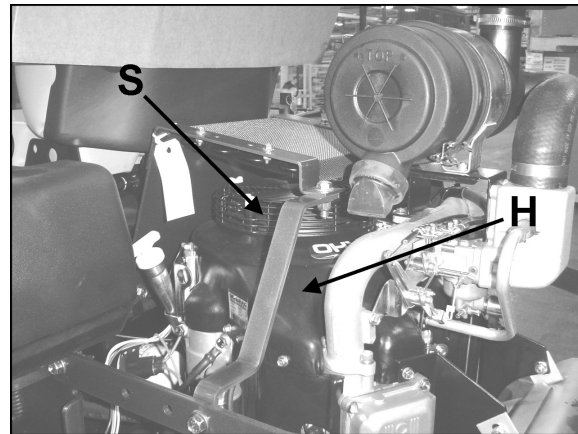
1. Unclamp end cover **X** and remove existing cleaner elements.
2. Insert new elements **Y** and **Z** and replace cover. Ensure the breathing port **A** is pointing down and towards the front of the tractor.



### 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.



### 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 seal 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.

### CLEANING MACHINE

Clean the machine after use. 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.

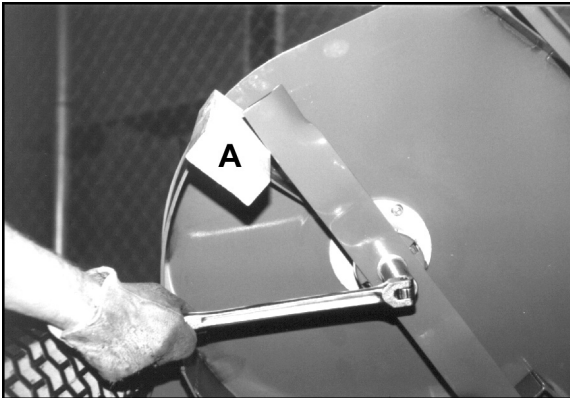
### BELTS

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

### BLADE REMOVAL

Follow these instructions to prevent injury during blade removal:

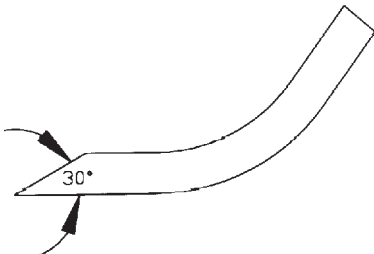
1. Loosen with a box wrench or a socket and long breaker bar. To gain additional leverage, slip a long pipe or thick-walled tube over breaker bar or wrench.
2. Insert wood block **A** as shown, with grain perpendicular to blade, to prevent blade from turning when loosening.
3. Wear thickly padded gloves. 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 Schiller Grounds Care, Inc. blades. Use of another manufacturer's blades may be dangerous.



### BLADE BALANCE

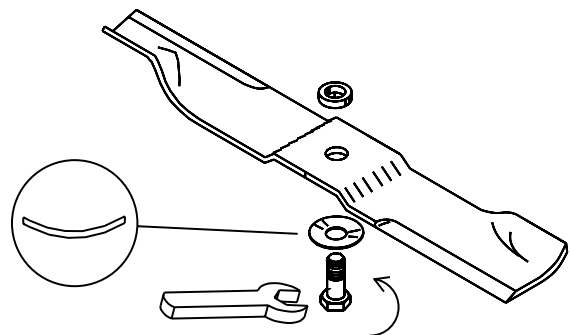
Blade balance must be maintained at 5/8 oz-in (19.4 g-cm) or less. Failure to keep blades balanced causes excess vibration, wear, and shortened life of most components of the machine.

#### 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.



### DECK LEVELING

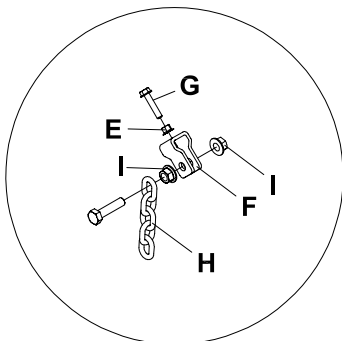
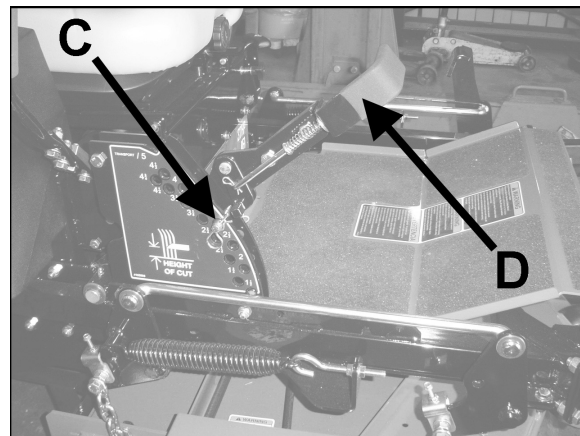
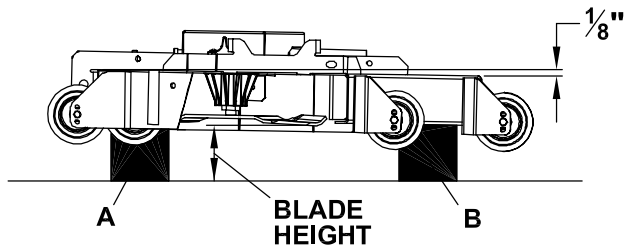
- Park the machine on a smooth, level surface. Raise the deck to the transport position.
- Lower the deck onto a set of equal height blocks **A** under the rear corners of the deck. Place another set of blocks **B** under the front of the deck so that the deck top is pitched forward 1/8".

**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.



### HEIGHT OF CUT

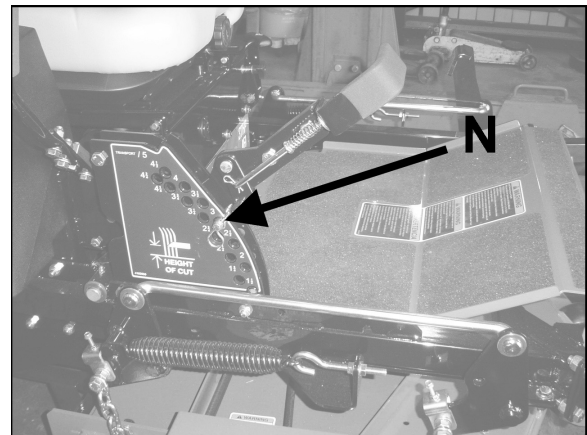
The height of cut is set by moving height of cut pin **N** to the hole designated for the height of cut desired.

To change the height of cut:

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

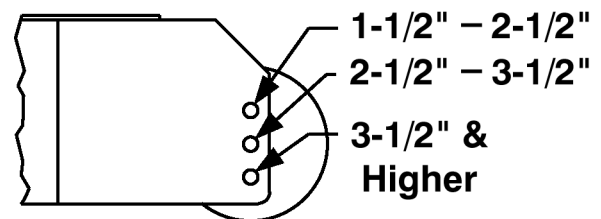
#### NOTES:

- 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

### 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.

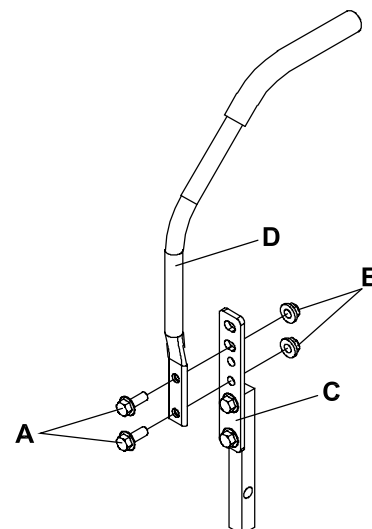
To adjust the height of the control levers:

- 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:

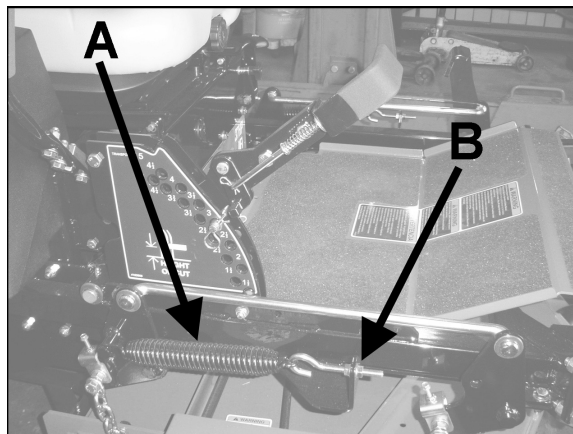
- Loosen nuts **B**.
- Adjust control lever position.
- Tighten nuts **B**.



### COUNTERBALANCE SPRINGS

- a) Raise the cutterdeck all the way.
- b) Adjust the spring **A** with nut **B**:
  - 52" cutterdecks to a length of 9-1/8" (232 mm)
  - 61" cutterdecks to a length of 9-9/16" (242 mm)The springs may be tightened or loosened from this point according to personal preference.

**NOTE:** The 48" cutterdecks **do not** have counterbalance springs.



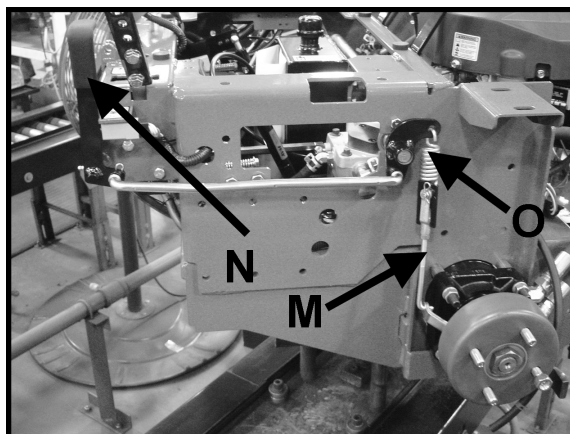
### PARKING BRAKE

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.



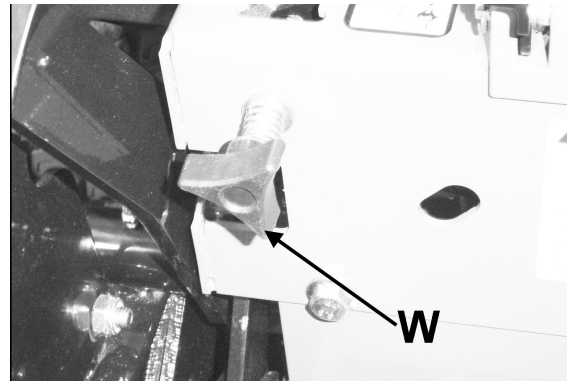
**Parking brake assembly (tire and deck not shown for clarity - brake in ON position).**

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 align the control levers with each other during operation.

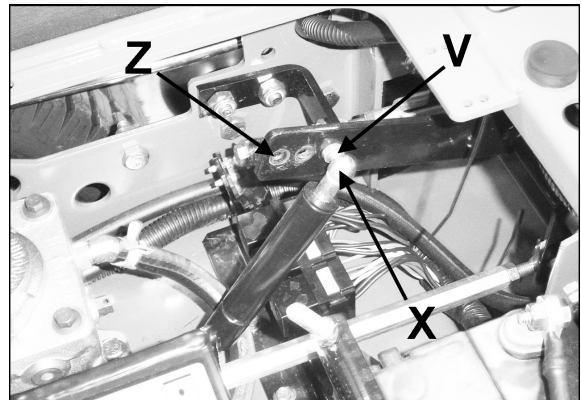
1. Turn knob **W** clockwise to shorten control lever travel.
2. Turn knob **W** counter-clockwise to increase control lever travel.



### 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.

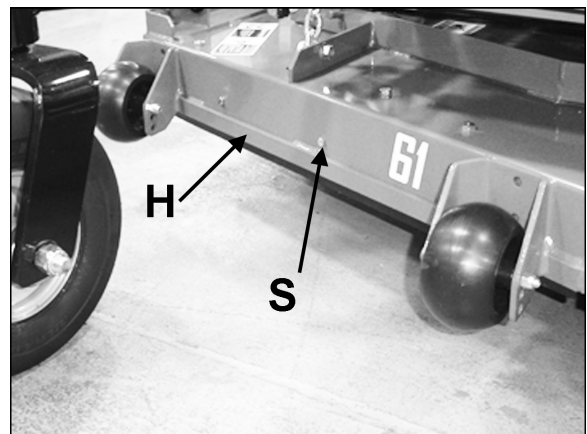


### FRONT DECK LIP

Adjustable front deck lips have been provided on 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.

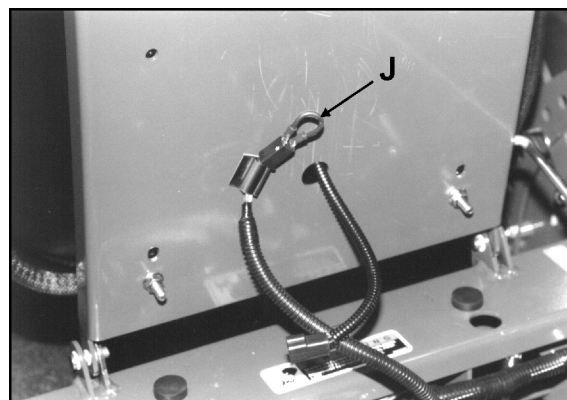
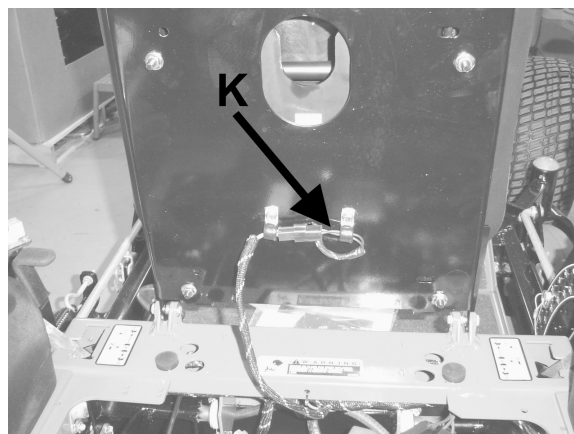


### HYDROSTAT ADJUSTMENTS

A turnbuckle-style hydrostat neutral adjustment is provided.

#### Neutral:

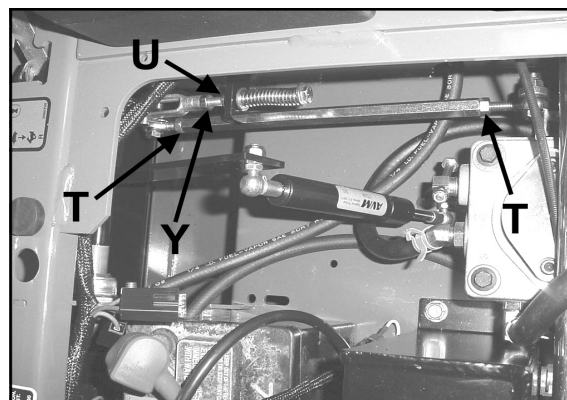
1. Support the machine with the rear wheels off the ground. Use jackstands or equivalent support. Do not rely only on mechanical or hydraulic jacks.
2. Move the traction levers out into the neutral lock position and raise the seat.
3. Disconnect the seat switch wire **K** and temporarily connect the 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 turnbuckle.
6. Rotate the turnbuckle until the corresponding wheel stops turning. Lock the turnbuckle 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 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.

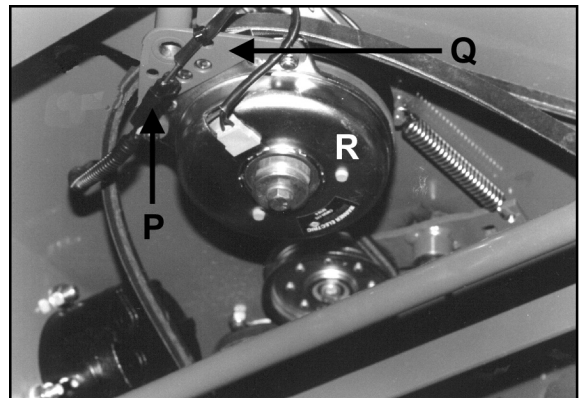
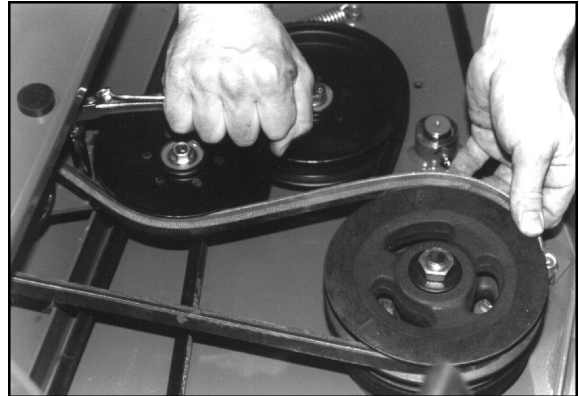


Right side adjustments  
(wiring harness and seat rod removed for clarity)

**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.

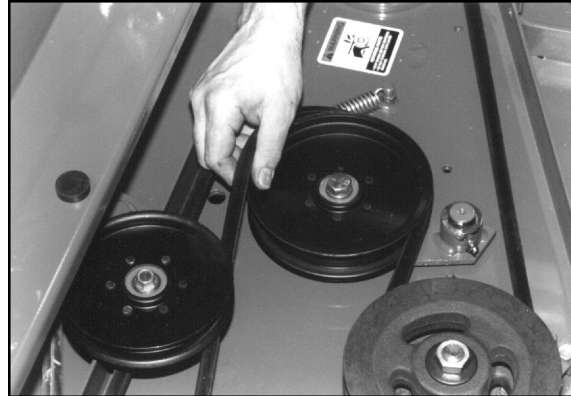
### ENGINE-CUTTERDECK (PTO) BELT

1. Set the cutterdeck in the lowest height-of-cut position.
2. Attach a short extension to a 3/8" drive ratchet. Insert the ratchet extension into the square hole in the idler arm and use the ratchet to rotate the idler assembly enough to remove the belt. Remove the belt from the idlers and center cutterdeck pulley. Push belt back under engine deck.
3. Disconnect the electric clutch from the wire harness at plug **P**.
4. Remove the carriage bolts securing torque restraint **Q** to clutch **R**. Remove torque restraint.
5. Remove old belt from the machine.
6. Install a new belt by performing the these steps in reverse order.



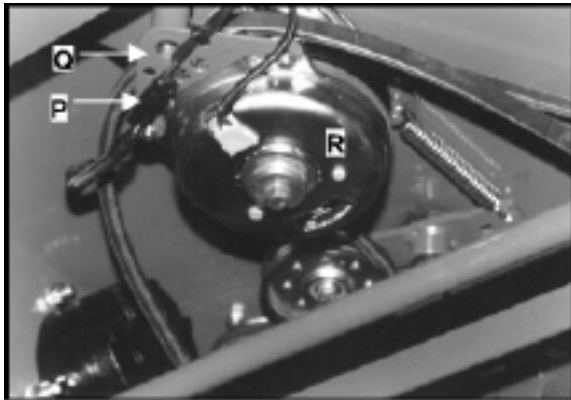
### CUTTERDECK BELT

1. Set the cutterdeck in the lowest height-of-cut position.
2. Remove the engine-cutterdeck belt from the deck idlers and pulley (see engine-cutterdeck belt replacement). Push it aside but don't remove it from the machine.
3. Run the cutterdeck belt off the idler as shown. Remove it from the deck.
4. Install the new belt by performing these steps in reverse order. Take care to get the new belt on the correct side of the belt guides.
5. Re-install engine-cutterdeck belt (see engine-cutterdeck belt replacement).



### 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

**ENGINE:**

**Construction:** Aluminum block with cast-in sleeves. cast iron, metal gasket.

**Configuration:** 4-stroke, vertical shaft, V-twin cylinder, overhead valve, liquid-cooled indirect injection diesel. Deck cuts out if engine overheats.

**DRIVE SYSTEM:**

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

**Pump:** Hydrogear PR-4ECA-EYIX-XXX with shock valves 16cc variable displacement piston pump.

**Motors:** Parker/Ross 15 cu.in. 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:**

1025 lbs (465 kg) with 61" cutterdeck.  
1315 lbs (596 kg) with 72" cutterdeck.

**CONTROLS:**

Throttle; choke; 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 9-1/2 gallons (40 liters). Fuel selector/shutoff switch on front panel (1/4 turn). Replaceable fuel filter.

**MAXIMUM GROUND SPEEDS:**

**Forward:** 8.5 mph (13.7 km/h)

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

**WHEELS & TIRES:****Drive wheels:**

942246F & 942247F: 24 X 12.00-12 4-Ply Turf  
Tread Tires

**Casters:** 13 X 6.50-6 4-Ply Rib Tread Tires

**Pressure:** 14 p.s.i. (1 kg/cm<sup>2</sup>)

**BRAKING:**

Hayes disc type parking brakes. Spring applied for overload protection.

**SEAT:**

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

# SPECIFICATIONS

## ZT 200 Series

| ENGINE                             |                                        |
|------------------------------------|----------------------------------------|
| MODEL NUMBERS                      | 942246F, 942247F                       |
| MANUFACTURER                       | KAWASAKI                               |
| MODEL                              | FX1000V                                |
| CYLINDERS                          | 2                                      |
| COOLING                            | AIR                                    |
| BORE/STROKE                        | 3.5 X 3.15<br>(89.15 X 80mm)           |
| DISPLACEMENT                       | 61 cu.in. (999 cc)                     |
| COMPRESSION                        | 84:1                                   |
| OUTPUT POWER                       | 37 hp (27.6 kw)<br>Gross<br>@ 3600 rpm |
| OUTPUT TORQUE                      | 51.4 ft-lb (69.7nm)<br>@ 2400 rpm      |
| LUBRICATION                        | FULL PRESSURE                          |
| GOVERNOR                           | Mechanical                             |
| AIR CLEANER                        | Heavy Duty<br>Cyclonic                 |
| IGNITION SYSTEM                    | Electronic                             |
| CHARGING SYSTEM                    | 20 amp, regulated                      |
| BATTERY                            | BCI group U1                           |
| FUSES                              | Two, 20 amp blade                      |
| FUEL CONSUMPTION @ MAX LOAD/ SPEED | 1.20 gal./hr (4.6l/hr)                 |

| FLUID CAPACITIES              | QUANTITY         | TYPE                                                            | FILTER                           |
|-------------------------------|------------------|-----------------------------------------------------------------|----------------------------------|
| FUEL                          | 9.5 gal. (40 l)  | Gas                                                             | REPLACEABLE                      |
| ENGINE OIL                    | 2.4 qts (2.27 l) | See Engine Manufacturer's Manual                                | SPIN-ON REPLACEABLE              |
| HYDRAULIC OIL                 | 2.6 qts (2.46 l) | SAE 15W40 MOTOR OIL,<br>SAE 20W50 MOTOR OIL,<br>15W50 SYNTHETIC | 25 MICRON SPIN-ON<br>REPLACEABLE |
| COOLANT<br>(Where Applicable) | 1.48 qts (1.4 l) | 50/50 MIX OF<br>WATER AND ETHYLENE<br>GLYCOL                    | N/A                              |

| 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                       | 942246F                                         | 942247F                                        |
| TYPE                               | Side Discharge                                  | Side Discharge                                 |
| CUTTING WIDTH                      | 61" (155 cm)                                    | 71.5" (181 cm)                                 |
| WIDTH (CHUTE UP)                   | 62" (157 cm)                                    | 72.5" (184 cm)                                 |
| WIDTH (CHUTE DOWN)                 | 73" (185 cm)                                    | 84.0" (213 cm)                                 |
| BLADE                              | High Lift<br>(low lift optional)                | High Lift<br>(low lift optional)               |
| NUMBER OF BLADES                   | 3                                               | 3                                              |
| BLADE LENGTH                       | 21" (53 cm)                                     | 24.5" (63 cm)                                  |
| BLADE THICKNESS                    | 0.25" (6.35 mm)                                 | 0.25" (6.35 mm)                                |
| TIP SPEED                          | 18100 ft/min<br>5517 m/min<br>@ 3800 Engine RPM | 18153 ft/min<br>5533 m/min<br>@3800 Engine RPM |
| DAILY PRODUCTION<br>(8 hr @ 6 mph) | Up to 29.5 acres<br>(11.9 ha)                   | Up to 34.7 acres<br>(14.0 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 center spindle of cutterdeck. No twists in drive belt.

### SPINDLES:

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

### SPECIFIC TORQUES

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

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

ENGINE CRANKSHAFT BOLT: 40 FT-LBS (68 Nm)

### ANTI-SCALP ROLLERS:

61" Cutterdecks - 7 Rollers

72" Cutterdecks - 7 Rollers

### CUTTING HEIGHT & PRODUCTION:

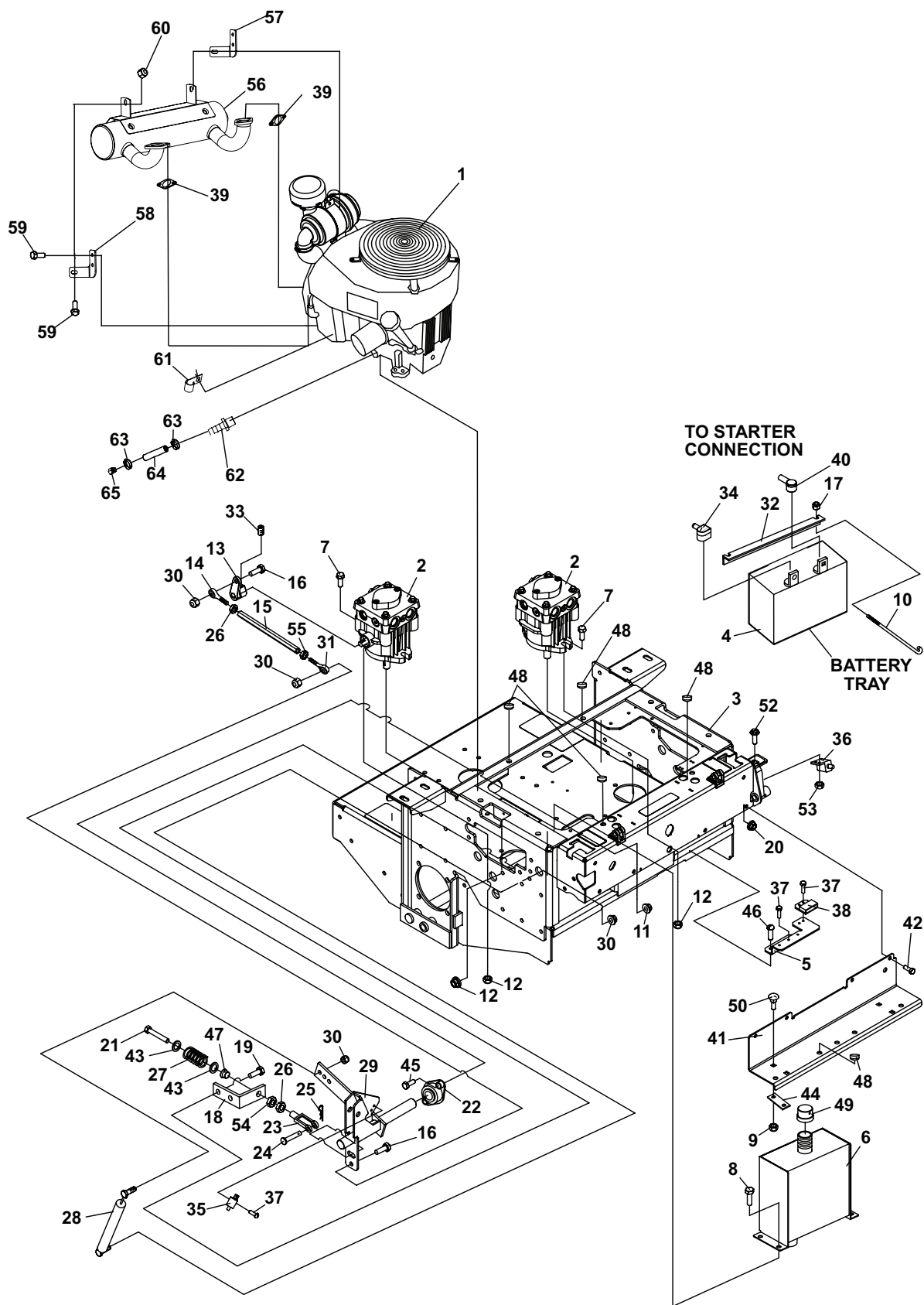
**Height:** Spring assisted lift lever allows easy setting of cut heights from 1-1/2" to 4-1/2" in 1/4" increments. "Set and forget" feature allows height of cut to be set and returned to without searching from operator position.

# **PARTS SECTION**

# UPPER ENGINE DECK ASSY

ZT 200  
Series

FIGURE 1



# ZT 200 Series

## UPPER ENGINE DECK ASSY

FIGURE 1

| ITEM | PART NO.   | DESCRIPTION                  | QTY | ITEM | PART NO.    | DESCRIPTION                         | QTY |
|------|------------|------------------------------|-----|------|-------------|-------------------------------------|-----|
| 1    | 4160660    | ENGINE-37 HP KAWASAKI        | 1   | 39   | 11061-7061  | GASKET-MUFFLER                      | 2   |
|      | 4152953    | S-AIR FILTER PRIMARY         | 1   |      |             | (AVAILABLE THROUGH KAWASAKI DEALER) |     |
|      | 4152954    | S-AIR FILTER SAFETY          | 1   |      |             |                                     |     |
|      | 2722214    | FILTER-OIL                   | 1   | 40   | 2308095     | COVER-TERMINAL                      | 1   |
|      | 38666      | FILTER-FUEL                  | 1   | 41   | 4164286.2   | PLATE-KICK                          | 1   |
| 2    | 4165664    | PUMP-HYDROSTATIC             | 2   | 42   | 64263-011   | BLT-FLG HD M10-1.5 X 20             | 4   |
|      |            | (SEE FIGURE 8 FOR BREAKDOWN) |     | 43   | 64163-55    | WASHER .328X.75X14 GA               | 4   |
| 3    | 4164387    | S-ENGINE DECK W/LABS         | 1   | 44   | 2188146     | STRIP, WEAR                         | 2   |
| 4    | 108055     | BATTERY                      | 1   | 45   | 64123-15    | BOLT-3/8-16X3/4 HEX                 | 8   |
| 5    | 4138859.7  | BRACKET-RELAY MNTG           | 1   | 46   | 64152-23    | 1/4-20X3/8 LG SP SCREW              | 2   |
| 6    | 2186211    | S HYD RESERVOIR W/LABS       | 1   | 47   | 38304-02    | BRG, FLGD PLASTIC                   | 2   |
| 7    | 64263-013  | BLT-FLG HD M10-1.5 X 30      | 4   | 48   | 810149      | BUMPER-RUBBER                       | 8   |
| 8    | 64197-016  | BLT-TDFM 3/8-16X1/2          | 4   | 49   | 69216.7     | CAP-RESERVOIR                       | 1   |
| 9    | 64268-03   | LOCKNUT-3/8-16               | 4   | 50   | 64018-23    | BLT-CRG 3/8-16X3/4                  | 4   |
| 10   | 831861     | BOLT-BENT BATT HOOK          | 2   | 51   | 64207-06    | NUT-HEX M6-1                        | 1   |
| 11   | 64141-4    | NUT-WLF 3/8-16               | 8   | 52   | 64152-46    | SCREW-SLT HH 10-24X1/2              | 2   |
| 12   | 64237-03   | LOCKNUT-NYLON M10-1.5        | 8   | 53   | 64025-15    | NUT-HEX #10-24 KEPS                 | 2   |
| 13   | 4159521    | ARM-PUMP                     | 2   | 54   | 64229-08    | LOCKNUT NYLON 5/16-24               | 2   |
| 14   | 38369-02   | ROD END BALL JOINT LH        | 2   | 55   | 64025-33    | NUT-HEX 5/16-24 LH                  | 2   |
| 15   | 2188140    | TURNBUCKLE                   | 2   | 56   | 4164675     | ASSY-MUFFLER                        | 1   |
| 16   | 64205-003  | BLT-MET M8-1.25X30           | 4   | 57   | 4163257.7   | BRACKET-MUFFLER, LH                 | 1   |
| 17   | 64229-02   | LOCKNUT-NYLON 5/16-18        | 2   | 58   | 4163258.7   | BRACKET-MUFFLER, RH                 | 1   |
| 18   | 2182405.7  | BRKT-REVERSE RETURN          | 2   | 59   | 64263-007   | BLT-FLG HD M8-1.25 X 20             | 6   |
| 19   | 64205-033  | BLT-METRIC M10-1.5X25        | 4   | 60   | 64266-02    | NUT-FL CROWN LOCK M8-1.25           | 2   |
| 20   | 64246-03   | NUT-WHIZ M10-1.50            | 4   | 61   | 48412-01    | CLAMP                               | 1   |
| 21   | 64123-205  | BLT-HEX 5/16-24X4            | 2   | 62   | 4164252-001 | FITTING-3/8NP TO 3/8BARB            | 1   |
| 22   | 2188145    | BEARING-.75IDSELF-ALIGN      | 4   | 63   | 88042-03    | CLAMP-HOSE                          | 2   |
| 23   | 38020N     | CLEVIS YOKE, 5/16 PLATE      | 2   | 64   | 69053-03    | HOSE-HYDRO 3/8x17"                  | 1   |
| 24   | 64188-02   | PIN, CLEVIS 5/16X1           | 2   | 65   | 4164251     | VALVE-OIL DRAIN                     | 1   |
| 25   | 64168-2    | COTTER-HAIRPIN.08X1.19       | 2   |      |             |                                     |     |
| 26   | 64025-03   | NUT-HEX 5/16-24              | 4   |      |             |                                     |     |
| 27   | 2188139    | SPRING-COMPRESSION           | 2   |      |             |                                     |     |
| 28   | 2722384    | DAMPENER                     | 2   |      |             |                                     |     |
| 29   | 4112105.7  | WLDMT-MOTION CTRL RH         | 1   |      |             |                                     |     |
|      | *4112104.7 | WLDMT-MOTION CTRL LH         | 1   |      |             |                                     |     |
| 30   | 64237-05   | LOCKNUT-NYLON M8-1.25        | 8   |      |             |                                     |     |
| 31   | 38369-01   | ROD END BALL JOINT RH        | 2   |      |             |                                     |     |
| 32   | 2182427.7  | HOLDDOWN-BATTERY             | 1   |      |             |                                     |     |
| 33   | 64192-06   | SETSCR SQHD 5/16-18X3/4      | 2   |      |             |                                     |     |
| 34   | 112386     | BOOT,BAT TERM POS            | 1   |      |             |                                     |     |
| 35   | 108208     | SWITCH DBL POLE              | 2   |      |             |                                     |     |
| 36   | 2188156    | SWITCH-NONO DBL POLE         | 1   |      |             |                                     |     |
| 37   | 64197-015  | BLT-TDFM 10-32X1/2 TORX      | 8   |      |             |                                     |     |
| 38   | 2188154    | MODULE-DELAY                 | 1   |      |             |                                     |     |

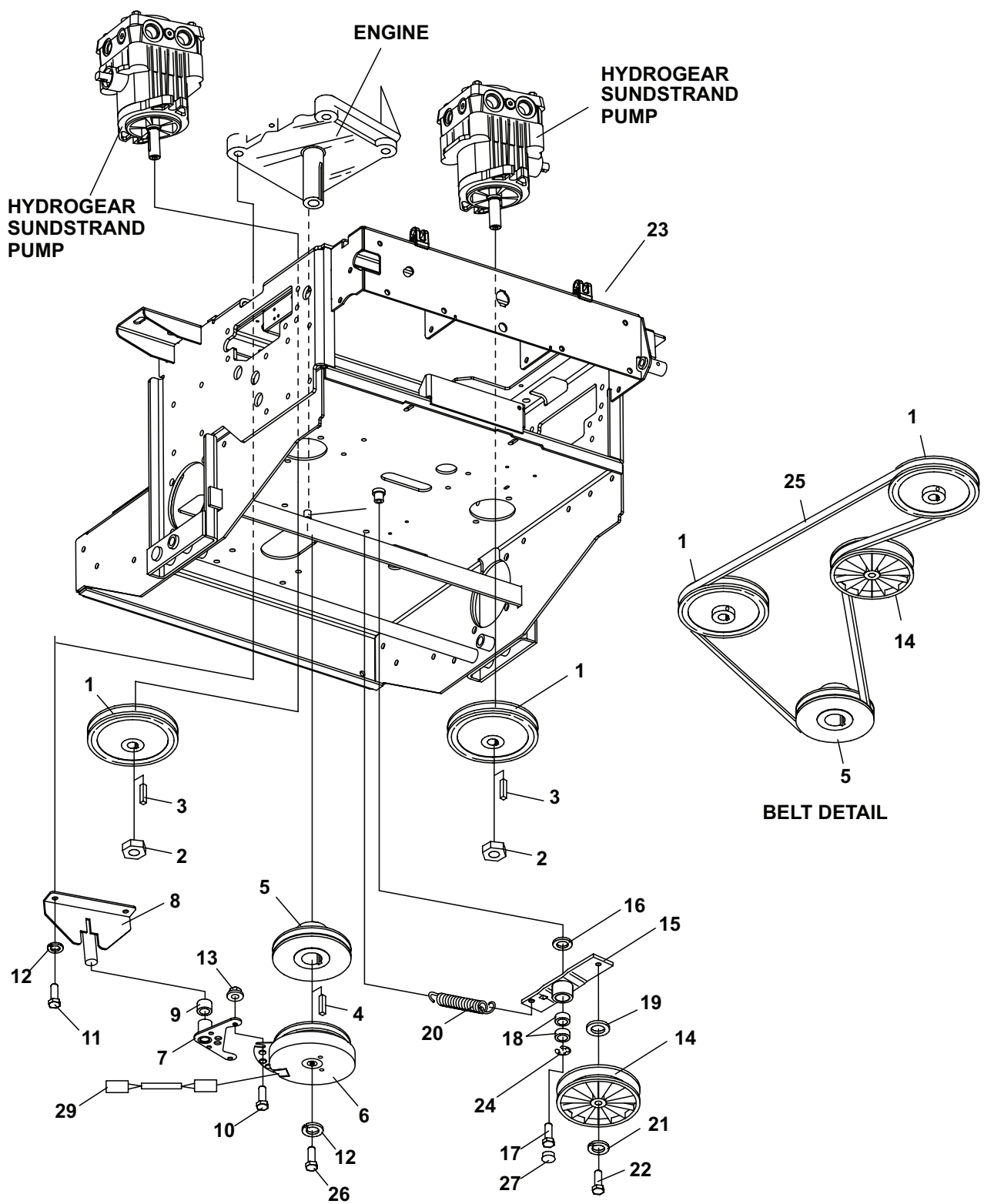
\* NOT ILLUSTRATED

SEE FIGURE 1A FOR THE GENERAC UPPER  
ENGINE DECK ASSEMBLY

# LOWER ENGINE DECK ASSY

ZT 200  
Series

FIGURE 2



TORQUE TO 50 FT/LBS +/-10%

# ZT 200 Series

## LOWER ENGINE DECK ASSY

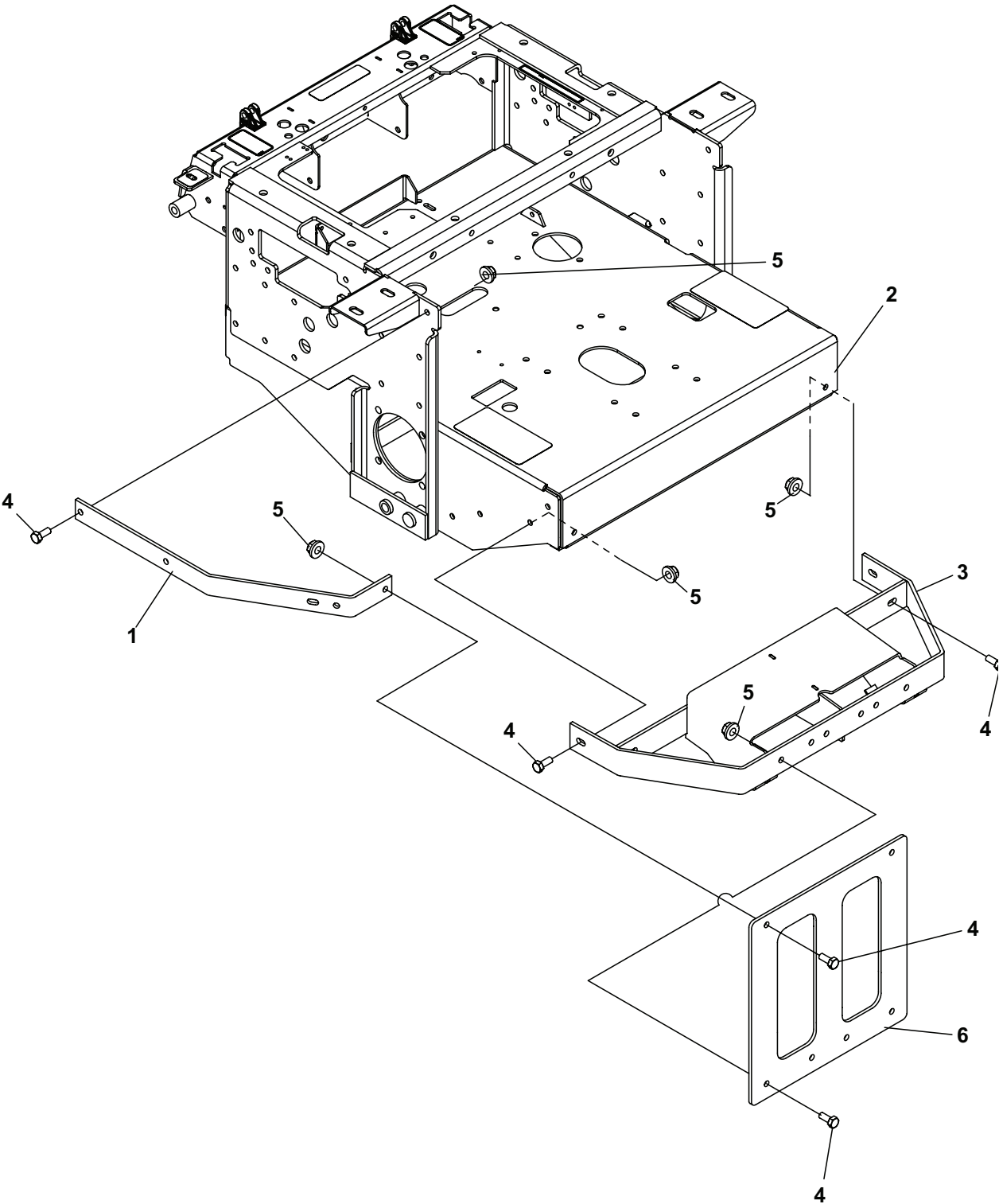
FIGURE 2

| ITEM | PART NO.                     | DESCRIPTION             | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|------------------------------|-------------------------|-----|------|----------|-------------|-----|
| 1    | 4157180                      | PULLEY-PUMP             | 2   |      |          |             |     |
| 2    | 64151-26                     | NUT 7/16-20 NYLON INST  | 2   |      |          |             |     |
| 3    | 64164-29                     | KEY-3/16 X 3/4          | 2   |      |          |             |     |
| 4    | 64164-12                     | KEY                     | 1   |      |          |             |     |
| 5    | 4121339                      | PULLEY-4.25 ENGINE      | 1   |      |          |             |     |
| 6    | 2721337                      | CLUTCH-ELECTRIC         | 1   |      |          |             |     |
| 7    | 2721338.7                    | WLDMT-CLUTCH STOP       | 1   |      |          |             |     |
| 8    | 2186147.7                    | WLDMT-CLUTCH BRACKET    | 1   |      |          |             |     |
| 9    | 38304-03                     | BEARING-FLANGED PLSTC   | 1   |      |          |             |     |
| 10   | 64205-001                    | BLT-MET M8-1.25X20      | 2   |      |          |             |     |
| 11   | 64123-16                     | BLT-HEX 3/8-16X1-1/4    | 4   |      |          |             |     |
| 12   | 64006-03                     | LCKWSHER-HELICAL 7/16   | 4   |      |          |             |     |
| 13   | 64265-04                     | NUT-FL NYL LOCK M8-1.25 | 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-TENSION          | 1   |      |          |             |     |
| 21   | 64006-03                     | WSHR, 3/8 HELICAL LOCK  | 1   |      |          |             |     |
| 22   | 64123-21                     | BLT-HEX 3/8-24X1-1/4    | 1   |      |          |             |     |
| 23   | 4164387                      | S-ENGINE DECK W/LABS    | 1   |      |          |             |     |
| 24   | 64144-40                     | SNAP RING               | 1   |      |          |             |     |
| 25   | 4161305                      | BELT-TRACTION DRIVE     | 1   |      |          |             |     |
| 26   | 64123-155                    | BLT-HEX 7/16-20X3       | 1   |      |          |             |     |
| 27   | 4128002                      | END CAP                 | 1   |      |          |             |     |
| 28   | * 4121560                    | KIT-BRAKE POLE RPLCMNT  | 1   |      |          |             |     |
| 29   | 2720949                      | ASSY-CLUTCH WIRE        | 1   |      |          |             |     |

**BUMPER**

**ZT 200  
Series**

**FIGURE 3**



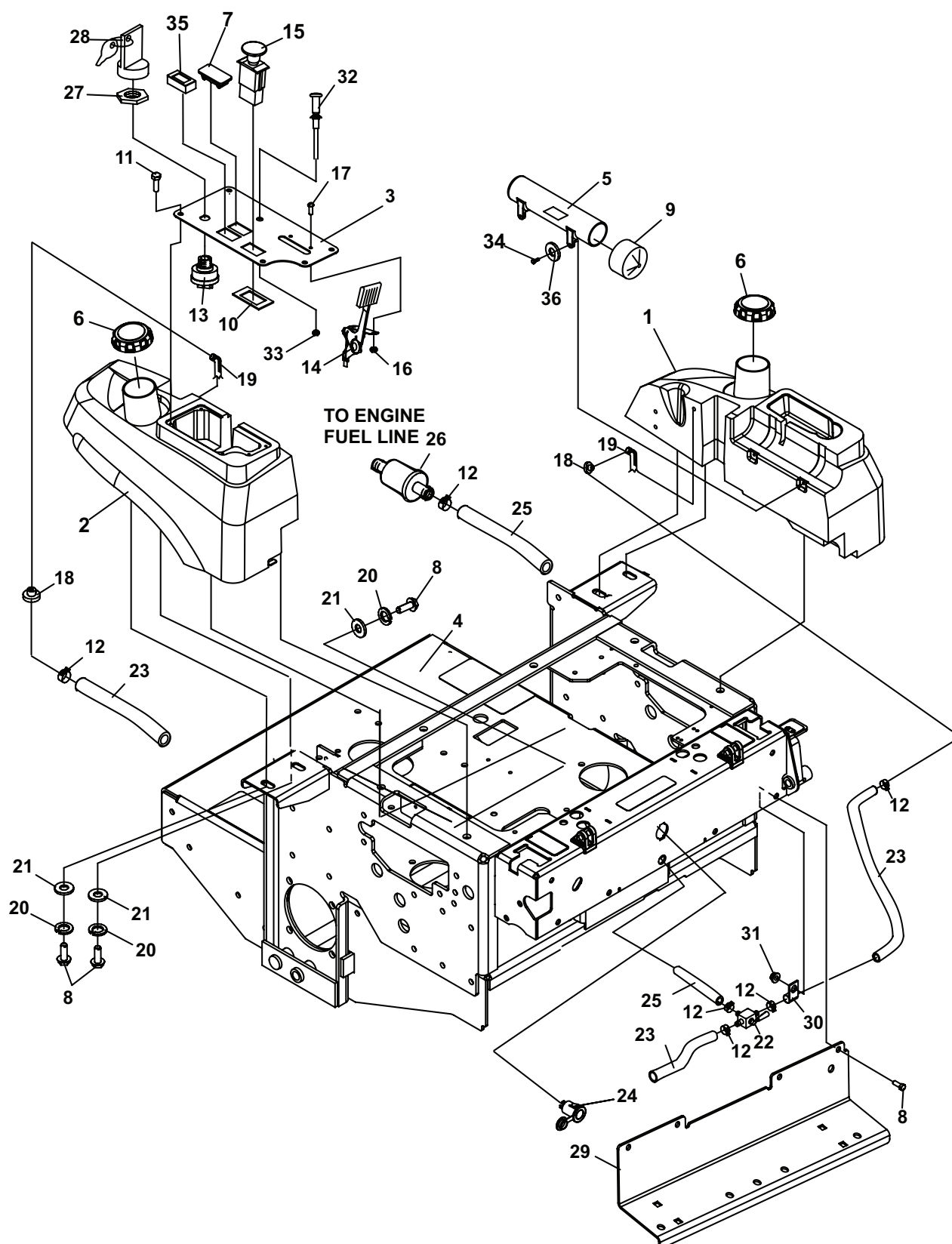
**ZT 200  
Series**

**BUMPER**

**FIGURE 3**

| ITEM | PART NO.  | DESCRIPTION             | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-----------|-------------------------|-----|------|----------|-------------|-----|
| 1    | 2722296.7 | ARM-BUMPER              | 2   |      |          |             |     |
| 2    | 4164387   | S ENG DECK W/LABS       | 1   |      |          |             |     |
| 3    | 2721324.7 | WLDMT-BUMPER            | 1   |      |          |             |     |
| 4    | 64263-013 | BLT-FLG HD M10-1.5 X 30 | 10  |      |          |             |     |
| 5    | 64265-05  | NUT-FL NYL LOCK M10-1.5 | 10  |      |          |             |     |
| 6    | 2721932.7 | BRACE-VERTICAL          | 1   |      |          |             |     |

FIGURE 4



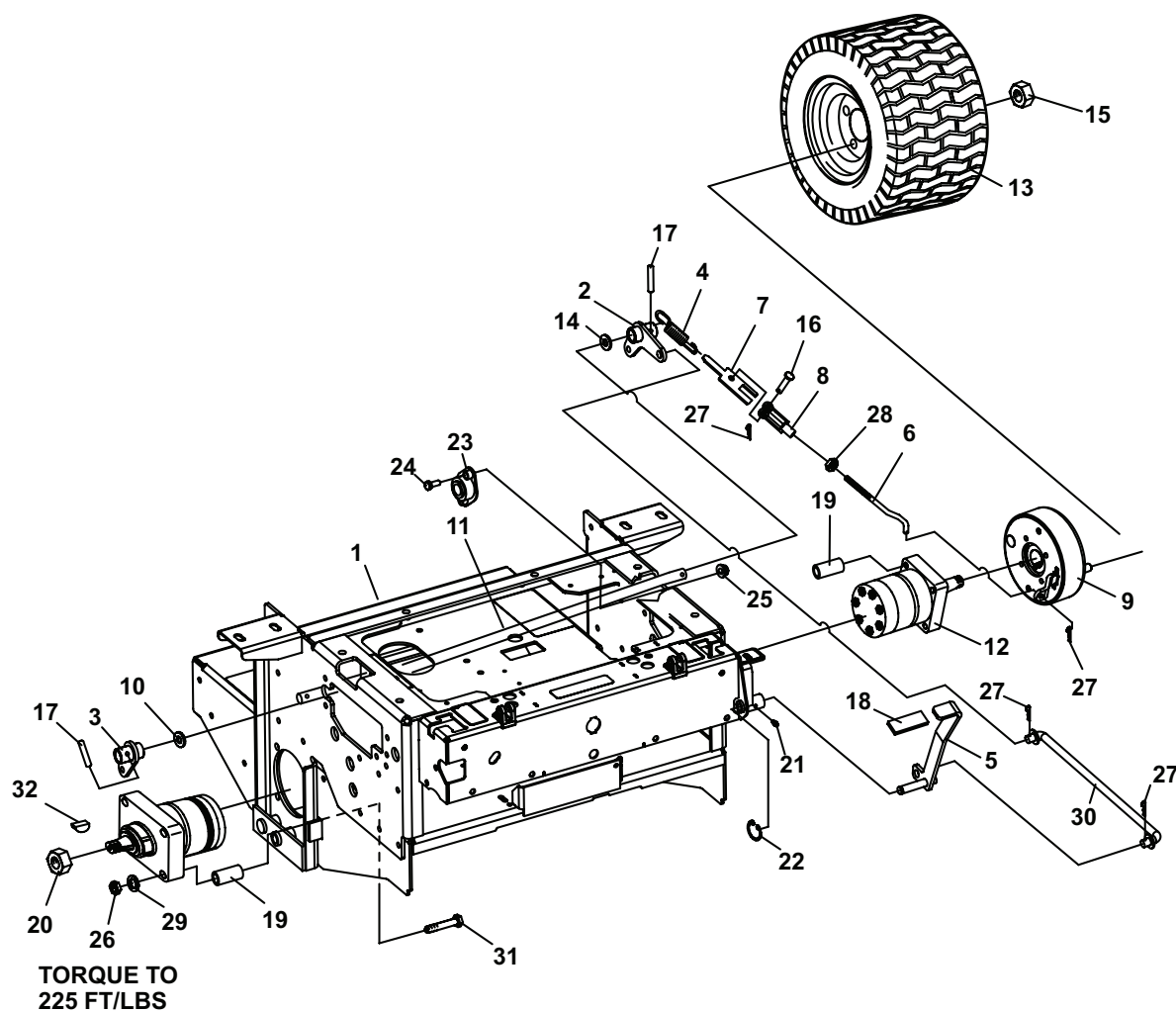
# ZT 200 Series

## FUEL TANKS/CONTROL PANEL

FIGURE 4

| ITEM | PART NO.    | DESCRIPTION                              | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------|------------------------------------------|-----|------|----------|-------------|-----|
| 1    | 4162990     | TANK-FUEL LH<br>(INCLUDES ITEMS 18 & 19) | 1   |      |          |             |     |
| 2    | 4162991     | TANK-FUEL RH<br>(INCLUDES ITEMS 18 & 19) | 1   |      |          |             |     |
| 3    | 4163546     | S-CONTROL PANEL                          | 1   |      |          |             |     |
| 4    | 4164387     | S ENG DECK W/LABS                        | 1   |      |          |             |     |
| 5    | 4160281     | S DOC TUBE W/LABEL                       | 1   |      |          |             |     |
| 6    | 4130320     | CAP-FUEL GASOLINE 3.5                    | 2   |      |          |             |     |
| 7    | 4110023     | PLUG-SWITCH HOLE                         | 1   |      |          |             |     |
| 8    | 64205-007   | BLT MET M10-1.50X20                      | 12  |      |          |             |     |
| 9    | 38061A      | VINYL CAP                                | 1   |      |          |             |     |
| 10   | 2188178     | SWITCH-RETAINER                          | 1   |      |          |             |     |
| 11   | 64263-001   | BLT-FLG HD M6-1.0 X 12                   | 5   |      |          |             |     |
| 12   | 88042N      | HOSE CLAMP                               | 6   |      |          |             |     |
| 13   | 128010      | KEY-SWITCH                               | 1   |      |          |             |     |
| 14   | 118020-14   | CONTROL-THROTTLE                         | 1   |      |          |             |     |
| 15   | 2721505     | SWITCH-PTO                               | 1   |      |          |             |     |
| 16   | 64025-15    | NUT-HEX #10-24 KEPS                      | 2   |      |          |             |     |
| 17   | 64152-46    | SCR.-SLT HH #10-24X1/2                   | 2   |      |          |             |     |
| 18   | 4132325     | GROMMET-FUEL TANK                        | 2   |      |          |             |     |
| 19   | 4162991-001 | TUBE-FUEL LINE                           | 2   |      |          |             |     |
| 20   | 64006-18    | LOCKWASHER M10                           | 8   |      |          |             |     |
| 21   | 64251-004   | WASHER-M10                               | 8   |      |          |             |     |
| 22   | 2188161     | VALVE-TANK SELECTOR                      | 1   |      |          |             |     |
| 23   | 4162977-016 | HOSE,.25IDX.50OD X 48"                   | 1   |      |          |             |     |
| 24   | 4142266     | CONNECTOR, 12V RECEPT                    | 1   |      |          |             |     |
| 25   | 4162977-009 | HOSE-.25IDX.50OD X 24"                   | 1   |      |          |             |     |
| 26   | 38666       | FILTER, FUEL B&S                         | 1   |      |          |             |     |
| 27   | 128010-01   | S-KEY SWITCH NYLON NUT                   | 1   |      |          |             |     |
| 28   | 128010-03   | S-COVERED KEY                            | 1   |      |          |             |     |
| 29   | 4164286.2   | PLATE-KICK                               | 1   |      |          |             |     |
| 30   | 48228-2A    | CLAMP                                    | 1   |      |          |             |     |
| 31   | 64246-03    | NUT-WHIZ M10-1.50                        | 4   |      |          |             |     |
| 32   | 108009-05   | CONTROL-CHOKE 55"                        | 1   |      |          |             |     |
| 33   | 64025-04    | NUT-3/8-24 HEX                           | 1   |      |          |             |     |
| 34   | 64152-49    | SCREW-SLT HH 10-24X3/4                   | 2   |      |          |             |     |
| 35   | 4136792     | METER-HOUR                               | 1   |      |          |             |     |
| 36   | 64152-002   | WASHER-M6                                | 2   |      |          |             |     |

FIGURE 5



# ZT 200 Series

## BRAKES/REAR WHEEL

FIGURE 5

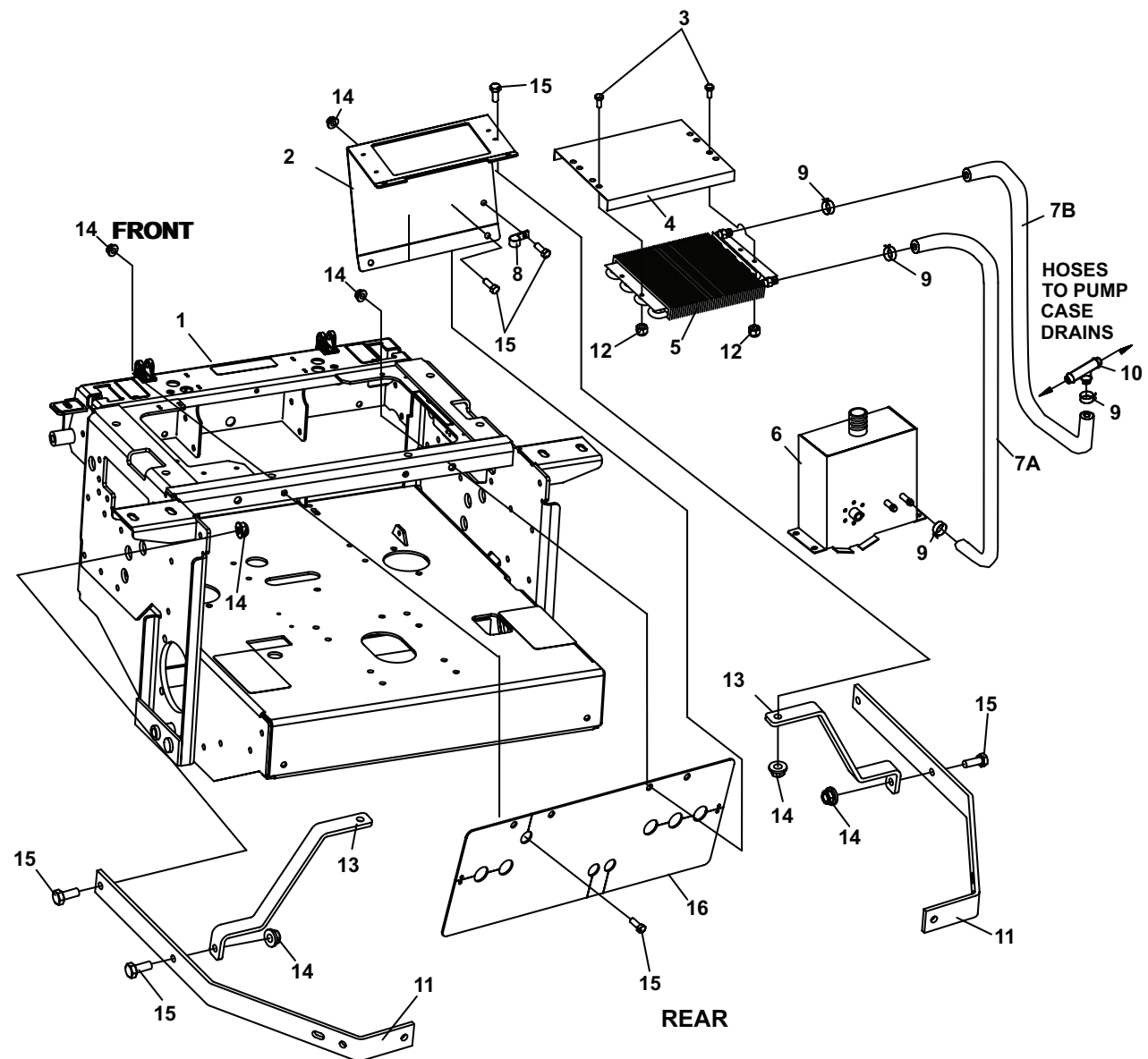
| ITEM | PART NO.                 | DESCRIPTION               | QTY | ITEM | PART NO.                      | DESCRIPTION            | QTY |
|------|--------------------------|---------------------------|-----|------|-------------------------------|------------------------|-----|
| 1    | 4164387                  | S-ENGINE DECK W/LABS      | 1   | 24   | 64123-15                      | BOLT-3/8-16X3/4 HEX    | 4   |
| 2    | 4158803.7                | WLDMT-BRAKE ARM LH        | 1   | 25   | 64141-4                       | NUT-WLF 3/8-16         | 4   |
| 3    | 4158801.7                | WLDMT-BRAKE ARM RH        | 1   | 26   | 64207-07                      | NUT-HEX M12-1.75       | 8   |
| 4    | 128102                   | SPRING,EXTENSION          | 2   | 27   | 64168-2                       | COTTER-HAIRPIN.08X1.19 | 4   |
| 5    | 4159241.7                | WLDMT-BRAKE LEVER         | 1   | 28   | 64025-03                      | NUT-HEX 5/16-24        | 2   |
| 6    | 4159701                  | ROD-BRAKE CONTROL         | 2   | 29   | 64006-05                      | LOCKWSHR-HELICAL 1/2   | 8   |
|      | (USED ON 61" ONLY)       |                           |     | 30   | 4159242                       | WLDMT-PRK BRAKE ROD    | 1   |
|      | 4159700                  | ROD-BRAKE CONTROL         | 2   | 31   | 450767                        | CAPSCREW 12-1.75X110   | 8   |
|      | (USED ON 72" ONLY)       |                           |     |      | (USED ON 61" DECKS ONLY)      |                        |     |
|      |                          |                           |     |      | 64223-10 CAPSCREW 12-1.75X150 | 8                      |     |
|      |                          |                           |     |      | (USED ON 72" DECKS ONLY)      |                        |     |
| 7    | 2182387.7                | GUIDE-SPRING              | 2   |      |                               |                        |     |
| 8    | 38020N                   | CLEVIS YOKE, 5/16 PLATE   | 2   |      |                               |                        |     |
| 9    | 4159281                  | BRAKE-PARKER              | 2   | 32   | 64164-08                      | S-KEY FOR WHEEL MOTOR  | 2   |
| 9A*  | 4159281-001              | BRAKE-BACK PLATE W/ PADS  | 1   |      |                               |                        |     |
| 9B*  | 4159281-002              | BRAKE-DRUM                | 1   |      |                               |                        |     |
| 9C*  | 4159281-003              | BRAKE-SCREW               | 4   |      |                               |                        |     |
| 9D*  | 4159281-004              | BRAKE-HUB                 | 1   |      |                               |                        |     |
| 10   | 64163-06                 | WSHR,.768/.756X1.25X14    | A/R |      |                               |                        |     |
| 11   | 4159000                  | BAR-PARKING BRAKE         | 1   |      |                               |                        |     |
| 12   | 4159280                  | MOTOR-PARKER              | 2   |      |                               |                        |     |
|      | (INCLUDES ITEMS 20 & 32) |                           |     |      |                               |                        |     |
| 13   | 4158422                  | ASSY-WHEEL 24 X 12-12     | 2   |      |                               |                        |     |
|      | 4158422-01               | RIM-8 SPOKE 4 HOLE W/VALV |     |      |                               |                        |     |
|      | 1985085-02               | TIRE 24X12.00-12NHS 4PLY  |     |      |                               |                        |     |
|      | 4158422-02               | TIRE 24X12-12 OTR LIFT    |     |      |                               |                        |     |
| 14   | 99-B34                   | WASHER                    | 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   |      |                               |                        |     |
|      | (USED ON 61" DECKS ONLY) |                           |     |      |                               |                        |     |
|      | 2183063-05               | SPACER, 19.05X12.97IDX 4  | 16  |      |                               |                        |     |
|      | (USED ON 72" DECKS ONLY) |                           |     |      |                               |                        |     |
| 20   | 64025-31                 | NUT 1-20 UNSLOTTED TRW    | 2   |      |                               |                        |     |
| 21   | 85010N                   | ZERK, 1/4-28 STR SLFTHRD  | 1   |      |                               |                        |     |
| 22   | 64144-34                 | SNAP RING.50              | 1   |      |                               |                        |     |
| 23   | 2188145                  | BEARING-.75ID SELF ALIGN  | 2   |      |                               |                        |     |

\*NOT ILLUSTRATED

# OIL COOLER

ZT 200  
Series

FIGURE 6



# ZT 200 Series

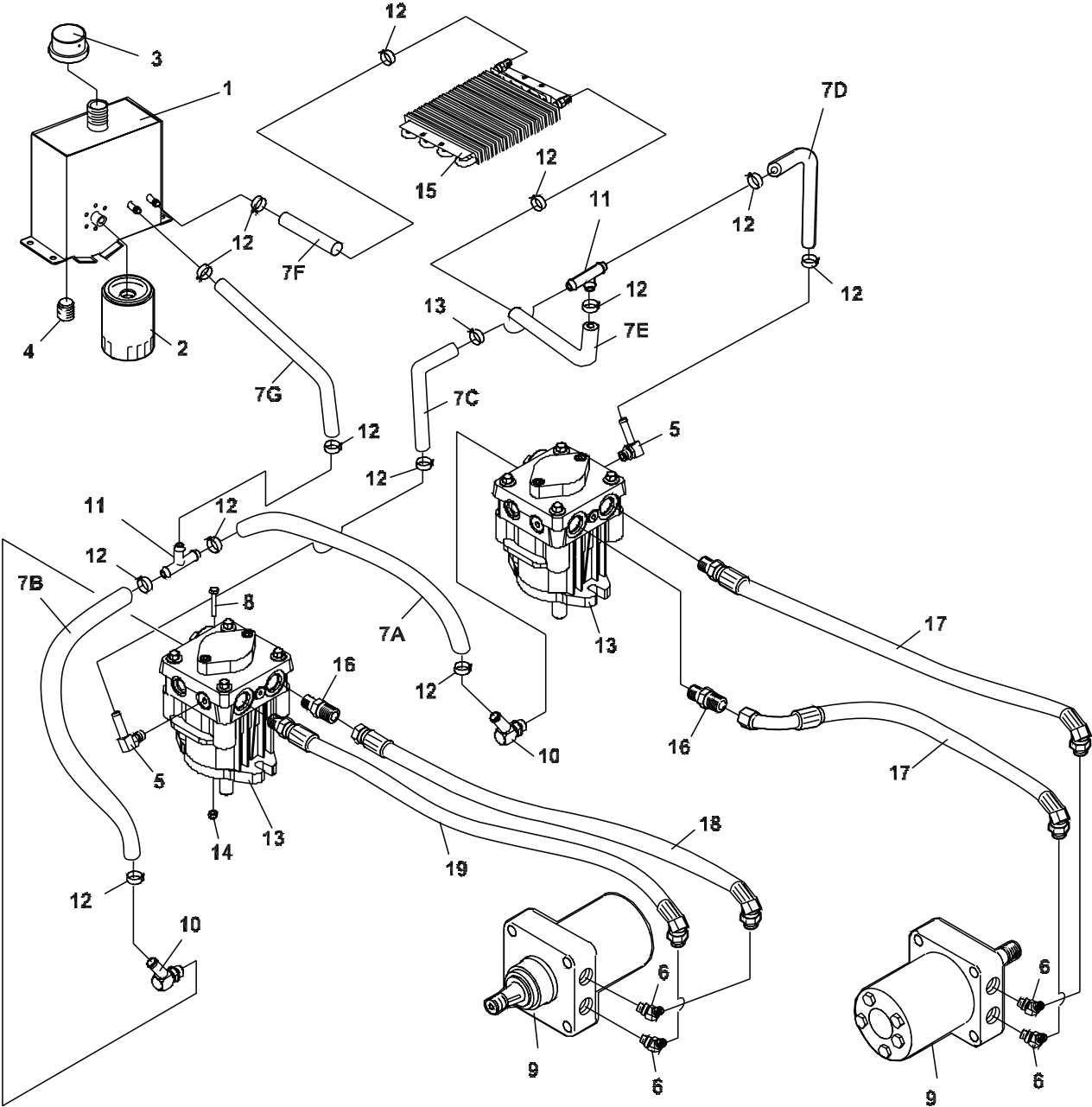
## OIL COOLER

FIGURE 6

| ITEM                                      | PART NO.  | DESCRIPTION             | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|-------------------------------------------|-----------|-------------------------|-----|------|----------|-------------|-----|
| 1                                         | 4164387   | S ENGINE DECK W/LABS    | 1   |      |          |             |     |
| 2                                         | 4164157.7 | BRKT-COOLER FRONT       | 1   |      |          |             |     |
| 3                                         | 64263-002 | BLT-FLG HD M6-1.0 X 16  | 4   |      |          |             |     |
| 4                                         | 2720891.7 | SCREEN-OIL COOLER       | 1   |      |          |             |     |
| 5                                         | 2188173   | COOLER-OIL              | 1   |      |          |             |     |
| 6                                         | 2186211   | S HYD RSRVR W/LABS      | 1   |      |          |             |     |
| (69053-05 IS A SERVICEABLE LENGTH OF 55") |           |                         |     |      |          |             |     |
| 7A                                        | 69053-05  | 3/8 HIGH TEMP HOSE 26"  | 1   |      |          |             |     |
| 7B                                        | 69053-05  | 3/8 HIGH TEMP HOSE 22"  | 1   |      |          |             |     |
| 8                                         | 48228-2A  | CABLE-CLIP 3/4 W/INSTN  | 2   |      |          |             |     |
| 9                                         | 88042-04  | CLAMP-3/4 CLIP          | 4   |      |          |             |     |
| 10                                        | 58026-01  | 3 WAY CONNECTOR 3/8     | 1   |      |          |             |     |
| 11                                        | 2722296.7 | ARM-BUMPER              | 2   |      |          |             |     |
| 12                                        | 64237-02  | LOCKNUT-NYLON M6-1.00   | 4   |      |          |             |     |
| 13                                        | 4164156.7 | BRACKET-REAR COOLER     | 2   |      |          |             |     |
| 14                                        | 64265-05  | NUT-FL NYL LOCK M10-1.5 | 9   |      |          |             |     |
| 15                                        | 64263-013 | BLT-FLG HD M10-1.5 X 30 | 9   |      |          |             |     |
| 16                                        | 4162804   | SHIELD-HEAT             | 1   |      |          |             |     |

\* NOT ILLUSTRATED

FIGURE 7



# ZT 200 Series

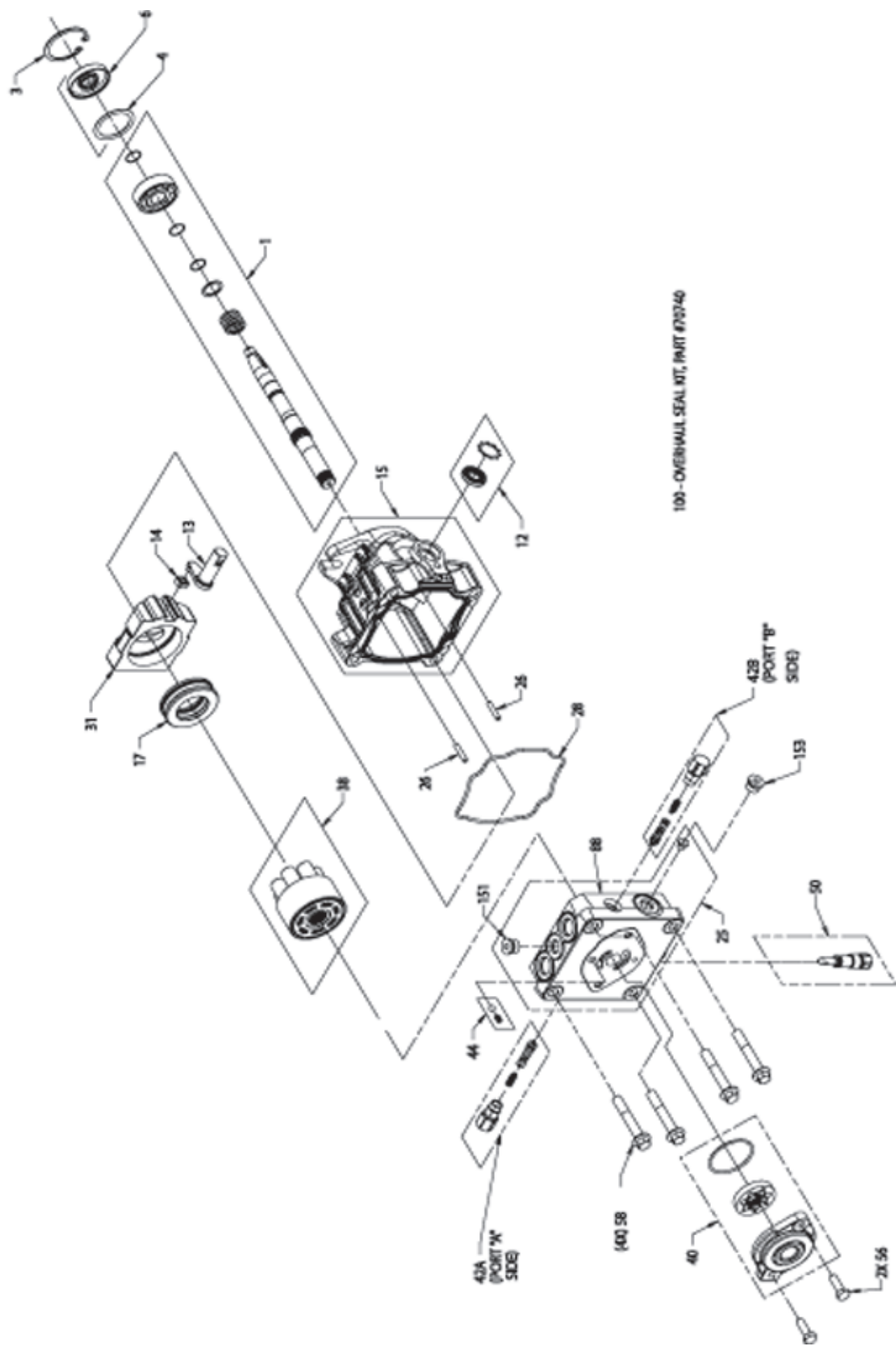
## HYDRAULICS

FIGURE 7

| ITEM                                      | PART NO.   | DESCRIPTION             | QTY |
|-------------------------------------------|------------|-------------------------|-----|
| 1                                         | 2186211    | S HYD RESERVOIR W/LAB   | 1   |
| 2                                         | 2720396    | FILTER 25 MICRON        | 1   |
| 3                                         | 69216.7    | CAP-RESERVOIR           | 1   |
| 4                                         | 4160243    | PLUG-HYDRAULIC TANK     | 1   |
| 5                                         | 158058-04  | FTG-90 BRB 9/18X.38     | 2   |
| 6                                         | 108205-03  | ELBOW-MALE 45 37-ORB    | 4   |
| (69053-05 IS A SERVICEABLE LENGTH OF 55") |            |                         |     |
| 7A                                        | 69053-05   | 3/8 HIGH TEMP HSE 18"   | 1   |
| 7B                                        | 69053-05   | 3/8 HIGH TEMP HSE 15"   | 1   |
| 7C                                        | 69053-05   | 3/8 HIGH TEMP HSE 19"   | 1   |
| 7D                                        | 69053-05   | 3/8 HIGH TEMP HSE 12"   | 1   |
| 7E                                        | 69053-05   | 3/8 HIGH TEMP HSE 22"   | 1   |
| 7F                                        | 69053-05   | 3/8 HIGH TEMP HSE 26"   | 1   |
| 7G                                        | 69053-05   | 3/8 HIGH TEMP HSE 5"    | 1   |
| 8                                         | 64123-60   | BOLT, 1/4-20X2 HEX      | 1   |
| 9                                         | 4159280    | MOTOR-PARKER            | 2   |
| 10                                        | 2690030-01 | FTG 9/18 ORB X 3/8      | 2   |
| 11                                        | 58026-01   | 3 WAY CONNECTOR 3/8     | 2   |
| 12                                        | 88042-04   | CLAMP-HOSE 5/8          | 14  |
| 13                                        | 4165664    | PUMP-HYDRO 16cc         | 2   |
| 14                                        | 64229-01   | LOCKNUT-NYL 1/4-20      | 2   |
| 15                                        | 2188173    | OIL COOLER              | 1   |
| 16                                        | 48089-03   | FTG-ST 8 ORB X 8 JIC    | 3   |
| 17                                        | 2720320-01 | HOSE-1/2 37/45 37 26.25 | 2   |
| 18                                        | 2720320-02 | HOSE-1/2 37/45 37       | 1   |
| 19                                        | 2188157-02 | HOSE-HYD ORB-37 25.00   | 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

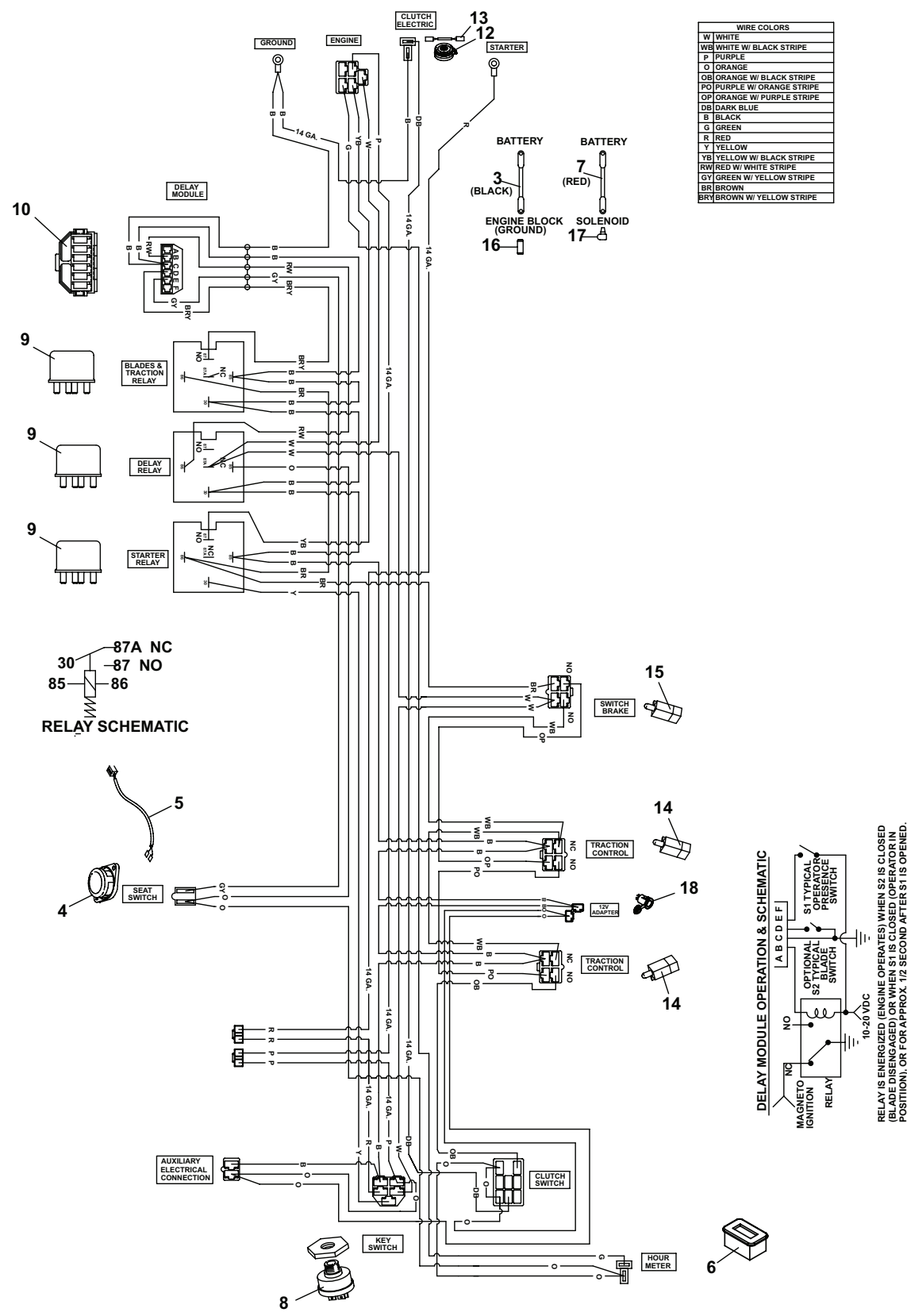


| ITEM | HYDROGEAR PART NO.     | SCHILLER GROUNDS CARE<br>PART NO. | DESCRIPTION                 | QTY |
|------|------------------------|-----------------------------------|-----------------------------|-----|
| 1    | 71019                  | 4157242-001                       | PUMP SHAFT KIT-TAPERED      | 1   |
| 3    | 2000038                | 4157242-002                       | RETAINING RING              | 1   |
| 4    | 2000023                | 4157242-003                       | SPACER                      | 1   |
| 6    | 51092                  | 4157242-004                       | LIP SEAL                    | 1   |
| 12   | 70739                  | 4157242-005                       | TRUNNION SEAL/RETAINER      | 1   |
| 13   | 2000014                | 4157242-006                       | TRUNNION ARM                | 1   |
| 14   | 2000015                | 188059-09                         | SLOT GUIDE                  | 1   |
| 15   | 70738                  | 4157242-007                       | HOUSING KIT                 | 1   |
| 17   | 51462                  | 4157242-008                       | BALL THRUST BEARING         | 1   |
| 25   | 72161                  | 415664-001                        | END CAP KIT (STD)           | 1   |
|      | (ORDER 28 AND 38 ALSO) |                                   |                             |     |
| 26   | 50641                  | 4157242-010                       | STRAIGHT HEADLESS PIN       | 2   |
| 28   | 51436                  | 4155664-002                       | HOUSING O-RING              | 1   |
|      | (ORDER 25 AND 38 ALSO) |                                   |                             |     |
| 29   | 52371                  | 4157242-012                       | VALVE PLATE                 | 1   |
| 31   | 51436                  | 4157242-013                       | SWASHPLATE                  | 1   |
| 38   | 72158                  | 4165664-003                       | CYL BLOCK KIT (16 cc)       | 1   |
|      | (ORDER 28 AND 25 ALSO) |                                   |                             |     |
| 40   | 2510071                | 4157242-015                       | CHARGE PUMP KIT             | 1   |
| 42A  | 70743                  | 4121354                           | SHOCK VALVE KIT (0.031" ORF | 1   |
| 42B  | 70741                  | 4121355                           | SHOCK VALVE KIT (BLANK)     | 1   |
| 44   | 70402                  | 4157242-016                       | CHARGE RELIEF VALVE KIT     | 1   |
| 50   | 2513030                | 4157242-019                       | BYPASS VALVE KIT (BLANK)    | 1   |
| 56   | 50173                  | 4157242-021                       | HEX FLANGE BOLT-M8-1.25X25  | 2   |
| 58   | 51457                  | 4157242-022                       | FH M10 X 65                 | 4   |
| 100  | 70740                  | 4157242-023                       | OVERHAUL SEAL KIT           | 1   |
| 153  | 9005100-5600           | 4157242-025                       | 9/16 STEEL PLUG             | 1   |

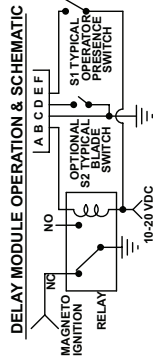
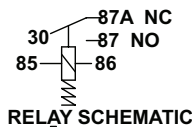
# KAWASAKI WIRE HARNESS

## ZT 200 Series

FIGURE 9



| WIRE COLORS |                         |
|-------------|-------------------------|
| W           | WHITE                   |
| WB          | WHITE W/ BLACK STRIPE   |
| P           | PURPLE                  |
| O           | ORANGE                  |
| OB          | ORANGE W/ BLACK STRIPE  |
| PO          | PURPLE W/ ORANGE STRIPE |
| OP          | ORANGE W/ PURPLE STRIPE |
| DB          | DARK BLUE               |
| B           | BLACK                   |
| G           | GREEN                   |
| R           | RED                     |
| Y           | YELLOW                  |
| YB          | YELLOW W/ BLACK STRIPE  |
| RW          | RED W/ WHITE STRIPE     |
| GY          | GREEN W/ YELLOW STRIPE  |
| BR          | BROWN                   |
| BRY         | BROWN W/ YELLOW STRIPE  |



RELAY IS ENERGIZED (ENGINE OPERATES) WHEN S2 IS CLOSED (BLADE DISENGAGED) OR WHEN S1 IS CLOSED (OPERATOR IN POSITION), OR FOR APPROX. 1/2 SECOND AFTER S1 IS OPENED.

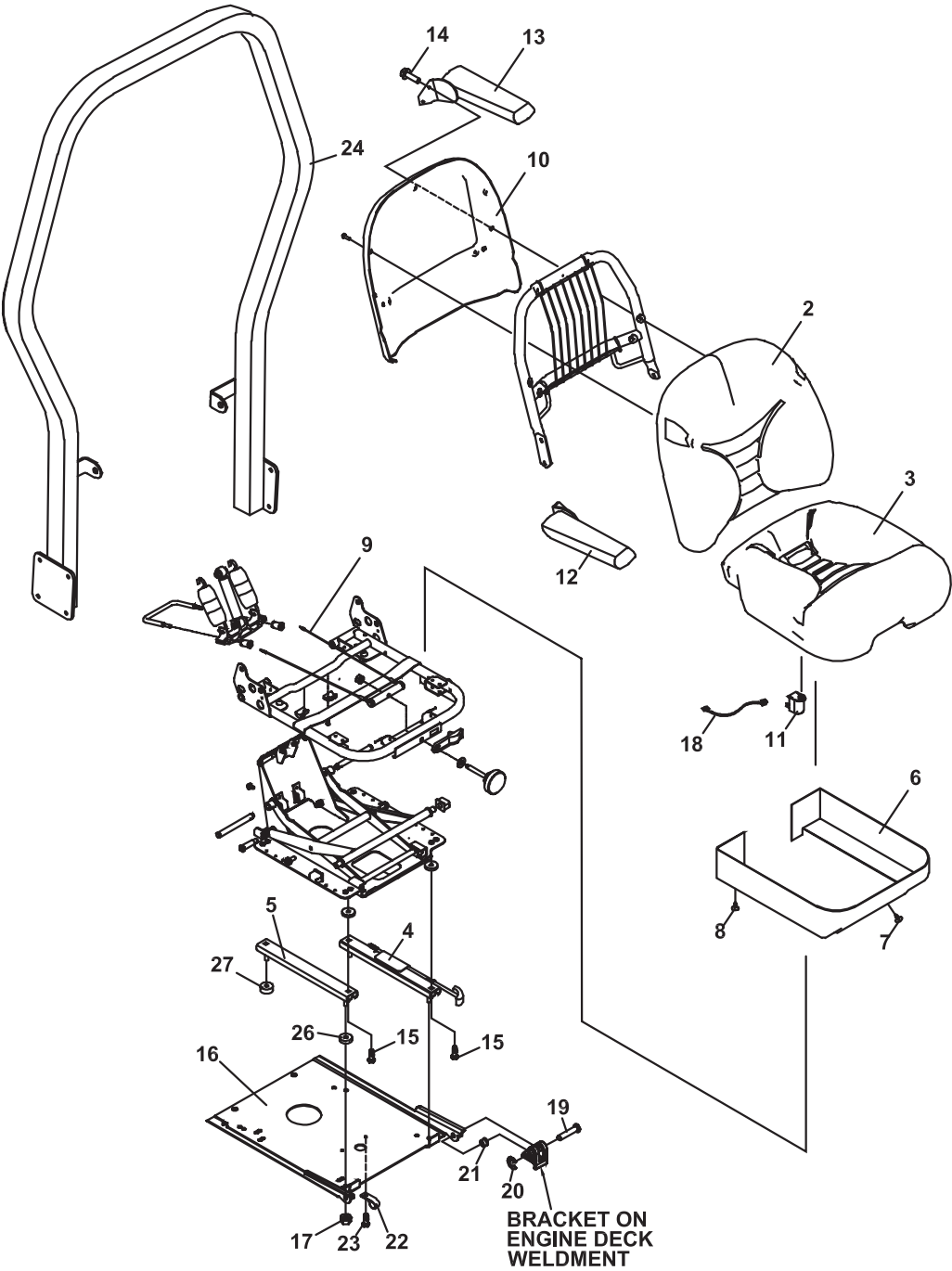
# ZT 200 Series

## KAWASAKI WIRE HARNESS

FIGURE 9

| ITEM | PART NO.   | DESCRIPTION                                      | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|------------|--------------------------------------------------|-----|------|----------|-------------|-----|
| 1    | 4163532    | 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    | 4136792    | METER-HOUR                                       | 1   |      |          |             |     |
| 7    | 2722227-02 | CABLE-BATT W/CONDUIT<br>(INCLUDES ITEMS 20 & 21) | 1   |      |          |             |     |
| 8    | 128010     | KEY-SWITCH                                       | 1   |      |          |             |     |
| 9    | 2722325    | RELAY-40AMP SEALED                               | 3   |      |          |             |     |
| 10   | 2188154    | MODULE-DELAY                                     | 1   |      |          |             |     |
| 11   | 2721505    | SWITCH-PTO                                       | 1   |      |          |             |     |
| 12   | 2721337    | CLUTCH-ELECTRIC                                  | 1   |      |          |             |     |
| 13   | 2720949    | ASSY-CLUTCH WIRE                                 | 1   |      |          |             |     |
| 14   | 108208     | SWITCH-DBL POLE                                  | 2   |      |          |             |     |
| 15   | 2188156    | SWITCH-NONO DBL POLE                             | 1   |      |          |             |     |
| 16   | 108061-04  | CABLE-BATTERY 20 RED                             | 1   |      |          |             |     |
| 17   | 2188224    | HARNESS-JUMPER                                   | 1   |      |          |             |     |
| 18   | 4142266    | CONNECTOR-12V                                    | 1   |      |          |             |     |
| 19   | 2308095    | COVER-TERMINAL                                   | 3   |      |          |             |     |
| 20   | 112386     | BOOT-BAT TERM POS                                | 1   |      |          |             |     |

FIGURE 10



# ZT 200 Series

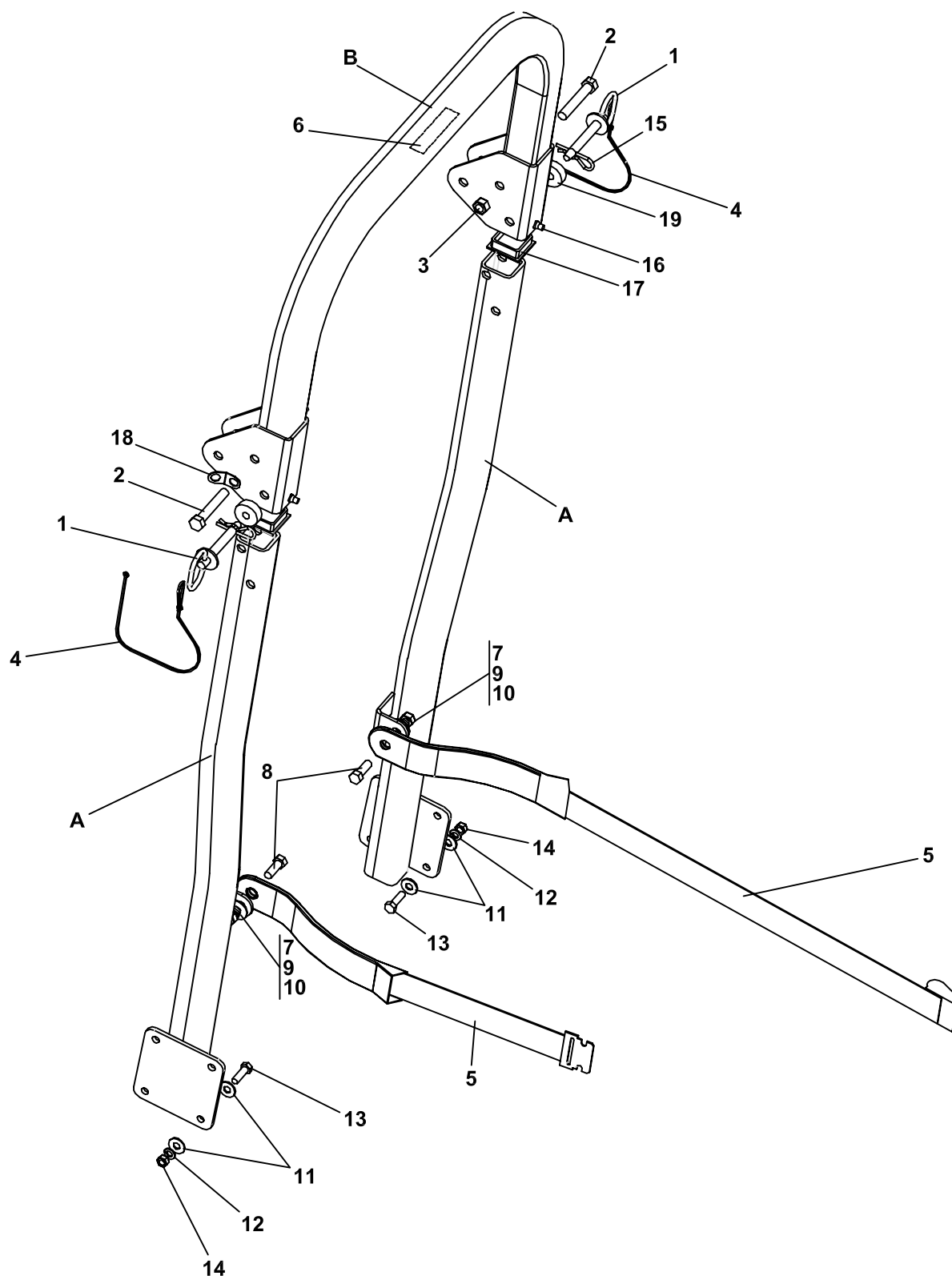
## SEAT ASSEMBLY & ROPS

FIGURE 10

| ITEM                  | PART NO.   | DESCRIPTION                              | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|-----------------------|------------|------------------------------------------|-----|------|----------|-------------|-----|
| 1                     | 4122479    | SEAT-SUSPENSION<br>(INCLUDES ITEMS 2-15) | 1   |      |          |             |     |
| 2                     | 4122479-01 | CUSHION-SEAT BACK                        | 1   |      |          |             |     |
| 3                     | 4122479-02 | CUSHION-SEAT BOTTOM                      | 1   |      |          |             |     |
| 4                     | 4122479-03 | LIDE RAIL-ADJUSTER                       | 1   |      |          |             |     |
| 5                     | 4122479-04 | SLIDE RAIL-SLAVE                         | 1   |      |          |             |     |
| 6                     | 4122479-05 | SKIRT-SEAT ASSY                          | 1   |      |          |             |     |
| 7                     | 4122479-06 | CLIP-SMALL XMAS TREE                     | 3   |      |          |             |     |
| 8                     | 4122479-07 | CLIP-LARGE XMAS TREE                     | 4   |      |          |             |     |
| 9                     | 4122479-08 | ASSY-CABLE                               | 1   |      |          |             |     |
| 10                    | 4122479-09 | BACK PANEL-SEAT                          | 1   |      |          |             |     |
| 11                    | 4124009    | SWITCH-SEAT NO                           | 1   |      |          |             |     |
| 12                    | 4122481    | ARMREST-RH                               | 1   |      |          |             |     |
| 13                    | 4122480    | ARMREST-LH                               | 1   |      |          |             |     |
| 14                    | 64123-68   | BOLT-HEX 5/16-18X1                       | 4   |      |          |             |     |
| 15                    | 64123-54   | BOLT, 5/16-18X3/4 HEX                    | 4   |      |          |             |     |
| 16                    | 4121386.7  | PLATE-SEAT                               | 1   |      |          |             |     |
| 17                    | 64141-6    | NUT-WLF 5/16-18                          | 4   |      |          |             |     |
| 18                    | 4143068    | JUMPER-SEAT SWITCH                       | 1   |      |          |             |     |
| 19                    | 33138-09   | PIN-CLEVIS                               | 2   |      |          |             |     |
| 20                    | 64144-30   | SNAP RING                                | 2   |      |          |             |     |
| 21                    | 38371-01   | BRG-NYLINER 3/8                          | 2   |      |          |             |     |
| 22                    | 48228A     | CABLE CLIP-INSULATED                     | 2   |      |          |             |     |
| 23                    | 64152-23   | SCREW 1/4-20X3/8                         | 2   |      |          |             |     |
| <b>OPTIONAL ROPS:</b> |            |                                          |     |      |          |             |     |
| 24                    | 970162     | ATT-ROPS<br>(INCLUDES ITEM 22)           |     |      |          |             |     |
| 25 *                  | 2208260    | S-SEAT BELT                              | 1   |      |          |             |     |
| 26`                   | 2720975-07 | SPACER-NYLON 3/8"                        | 2   |      |          |             |     |
| 27                    | 2720975-09 | SPACER-NYLON 1/4"                        | 2   |      |          |             |     |

\* NOT ILLUSTRATED

FIGURE 11



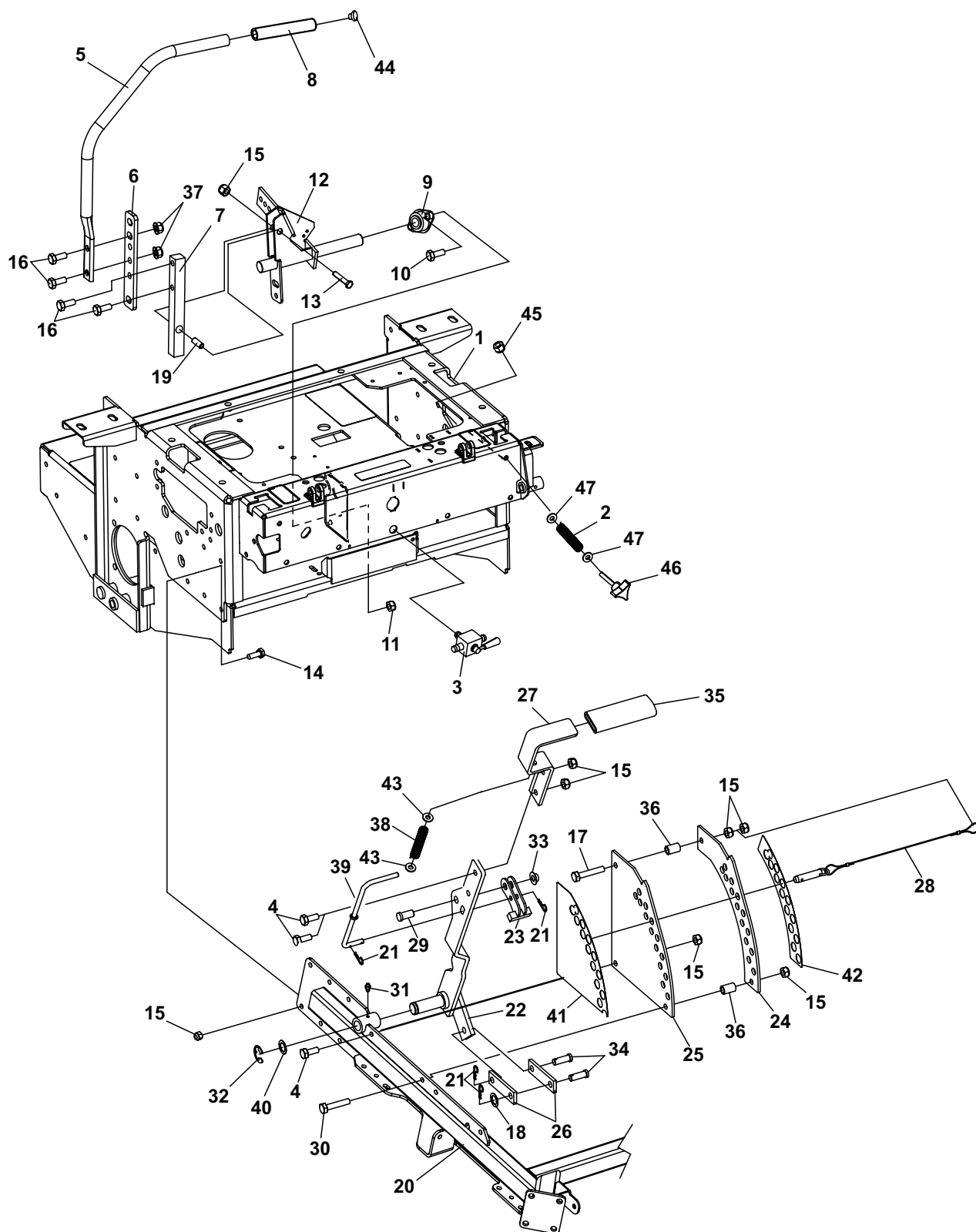
# ZT 200 Series

## FOLDING ROPS KIT (970354)

FIGURE 11

| ITEM | PART NO. | DESCRIPTION         | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|----------|---------------------|-----|------|----------|-------------|-----|
| 1    | 4162879  | PIN-HITCH 1/2       | 2   |      |          |             |     |
| 2    | 64123-31 | BOLT-1/2-13 X 3     | 2   |      |          |             |     |
| 3    | 64151-7  | LOCKNUT- 1/2-13     | 2   |      |          |             |     |
| 4    | 4162880  | LANYARD-NYLON       | 2   |      |          |             |     |
| 5    | 4162882  | SEATBELT            | 1   |      |          |             |     |
| 6    | 4160347  | LABEL-WARNING ROPS  | 1   |      |          |             |     |
| 7    | 64163-19 | WASHER-FLAT 7/16    | 2   |      |          |             |     |
| 8    | 64123-28 | BOLT-7/16 X 1-1/4   | 2   |      |          |             |     |
| 9    | 64006-06 | LOCKWASHER-7/16     | 2   |      |          |             |     |
| 10   | 64151-11 | LOCKNUT-7/16        | 2   |      |          |             |     |
| 11   | 64163-31 | WASHER-3/8          | 16  |      |          |             |     |
| 12   | 64006-03 | LOCKWASHER-3/8      | 8   |      |          |             |     |
| 13   | 64123-16 | BOLT-3/8-16 X 1-1/4 | 8   |      |          |             |     |
| 14   | 64025-05 | NUT-3/8-16 HEX      | 8   |      |          |             |     |
| 15   | 64168-1  | PIN-COTTER          | 2   |      |          |             |     |
| 16   | 4160343  | BUMPER RUBBER       | 2   |      |          |             |     |
| 17   | 4160344  | PLUG                | 2   |      |          |             |     |
| 18   | 4160348  | WASHER-FORMED       | 2   |      |          |             |     |
| 19   | 4162878  | WASHER-RUBBER       | 2   |      |          |             |     |

FIGURE 12



# ZT 200 Series

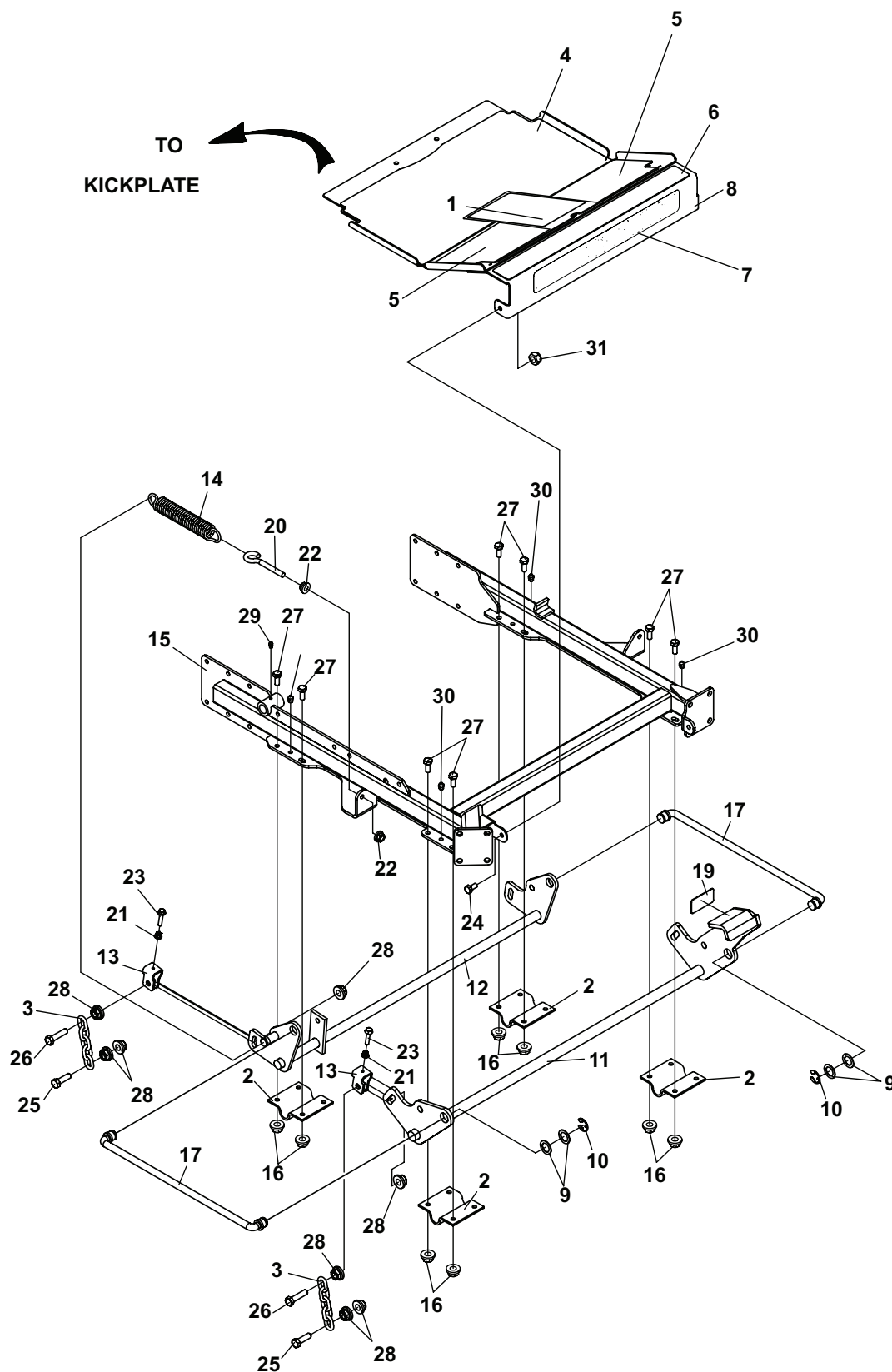
## STEERING/DECK LIFT

FIGURE 12

| ITEM | PART NO.   | DESCRIPTION              | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|------------|--------------------------|-----|------|----------|-------------|-----|
| 1    | 4164387    | S ENGINE DECK W/LABS     | 1   |      |          |             |     |
| 2    | 4163746    | SPRING                   | 2   |      |          |             |     |
| 3    | 2188161    | VALVE-TANK SELECTOR      | 1   |      |          |             |     |
| 4    | 64205-033  | BLT-METRIC M10-1.5X25F   | 3   |      |          |             |     |
| 5    | 4163691.7  | LEVER-TRACTION CNTRL     | 2   |      |          |             |     |
| 6    | 4122173.7  | BRKT-TRACTION LEVER      | 2   |      |          |             |     |
| 7    | 2183074    | BRKT-HANDLE              | 2   |      |          |             |     |
| 8    | 4163690    | GRIP-HANDLE              | 2   |      |          |             |     |
| 9    | 2188145    | BEARING-.75ID SELF ALIGN | 4   |      |          |             |     |
| 10   | 64123-15   | BOLT-3/8-16X3/4 HEX      | 8   |      |          |             |     |
| 11   | 64141-4    | NUT-WLF 3/8-16           | 8   |      |          |             |     |
| 12   | 4112105.7  | WLDMT-MTN CONTRL RH      | 1   |      |          |             |     |
|      | *4112104.7 | WLDMT-MTN CONTRL LH      | 1   |      |          |             |     |
| 13   | 64205-011  | BLT-MET M10-1.50X40      | 2   |      |          |             |     |
| 14   | 64205-024  | BLT-METRIC M10-1.5X30    | 12  |      |          |             |     |
| 15   | 64237-03   | LOCKNUT-NYLON M10-1.5    | 20  |      |          |             |     |
| 16   | 64263-013  | BLT-FLG HD M10-1.5 X 30  | 8   |      |          |             |     |
| 17   | 64205-008  | BLT-MET M10-1.50X55      | 1   |      |          |             |     |
| 18   | 64163-43   | WSHR.443/.454X1X11GA     | 1   |      |          |             |     |
| 19   | 2183073    | SPACER                   | 2   |      |          |             |     |
| 20   | 4159920.7  | WLDMT-CRADLE             | 1   |      |          |             |     |
| 21   | 64168-2    | COTTER-HAIRPIN.08X1.19   | 4   |      |          |             |     |
| 22   | 2720551.7  | WLDMT-DECK LIFT LEVER    | 1   |      |          |             |     |
| 23   | 4162904.7  | WLDMT-LVR STOP LATCH     | 1   |      |          |             |     |
| 24   | 4163391.7  | BRKT-INNER DECK LIFT     | 1   |      |          |             |     |
| 25   | 4163390.7  | BRKT-OUTER DECK LIFT     | 1   |      |          |             |     |
| 26   | 4116590.7  | BRACKET-LIFT LINK        | 2   |      |          |             |     |
| 27   | 2720501.7  | HANDLE-LIFT ARM          | 1   |      |          |             |     |
| 28   | 4159060    | ASSY, PIN & LANYARD      | 1   |      |          |             |     |
| 29   | 64188-53   | PIN-CLEVIS 1/2X1.0       | 1   |      |          |             |     |
| 30   | 64205-052  | BLT-MET M10-1.5X50       | 1   |      |          |             |     |
| 31   | 85010N     | ZERK, 1/4-28 STR SELF TH | 1   |      |          |             |     |
| 32   | 64221-04   | E-RING .875              | 1   |      |          |             |     |
| 33   | 64175-05   | NUT-PUSH 1/2             | 1   |      |          |             |     |
| 34   | 64188-36   | PIN, CLEVIS 7/16X1-1/4   | 2   |      |          |             |     |
| 35   | 2188143    | GRIP                     | 1   |      |          |             |     |
| 36   | 2183071-03 | SPACER-15.88X10.32X24    | 2   |      |          |             |     |
| 37   | 64265-05   | NUT-FL NYL LOCK M10-1.5  | 4   |      |          |             |     |
| 38   | 2720544    | SPRING-COMPRESSION       | 1   |      |          |             |     |
| 39   | 4159284    | ROD-LIFT STOP            | 1   |      |          |             |     |
| 40   | 64163-65   | WSHR .890X1.375X18GA     | 7   |      |          |             |     |
| 41   | 4163666    | LBL-ZT200 HT CUT OUTER   | 1   |      |          |             |     |
| 42   | 4163667    | LBL-ZT200 HT CUT INNER   | 1   |      |          |             |     |
| 43   | 64163-29   | WASHER-21/64 X 1 X 11GA  | 2   |      |          |             |     |
| 44   | 4163692    | CAP-END                  | 2   |      |          |             |     |
| 45   | 64229-02   | NUT-NYLON LOCK 5/16-18   | 2   |      |          |             |     |
| 46   | 4163446    | KNOB                     | 2   |      |          |             |     |
| 47   | 64163-55   | WSHR-.328x.75X14GA       | 4   |      |          |             |     |

\* NOT ILLUSTRATED

FIGURE 13



# ZT 200 Series

## CRADLE ASSEMBLY

FIGURE 13

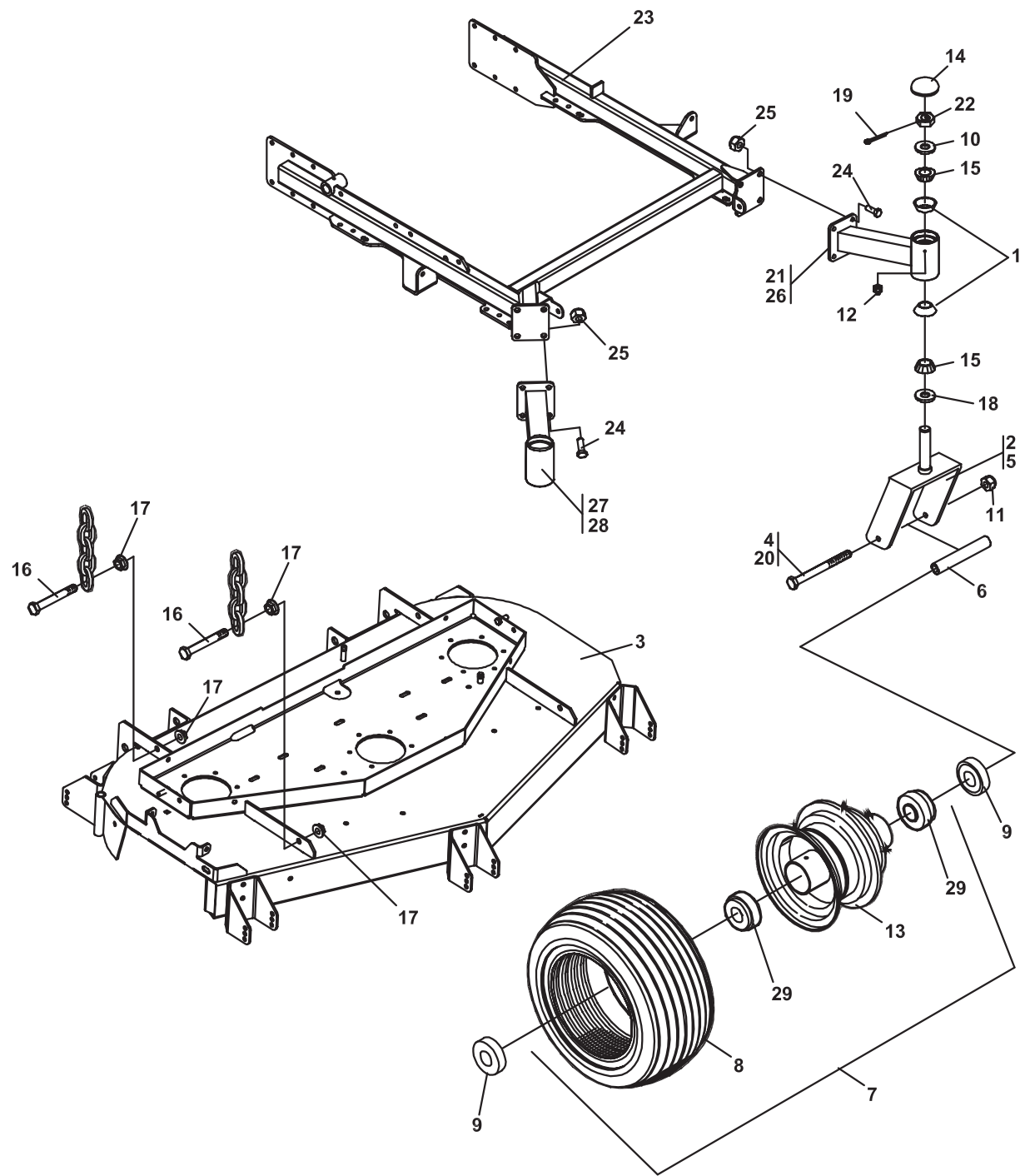
| ITEM | PART NO.  | DESCRIPTION               | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-----------|---------------------------|-----|------|----------|-------------|-----|
| 1    | 4164279   | LABEL-WARNING             | 1   |      |          |             |     |
| 2    | 2182356.7 | BRACKET-SHAFT HANGER      | 4   |      |          |             |     |
| 3    | 2188127   | CHAIN-6.35 (.250) 5 LINKS | 4   |      |          |             |     |
|      |           | (QTY 4 USED ON 61" DECK)  |     |      |          |             |     |
|      |           | (QTY 2 USED ON 72" DECK)  |     |      |          |             |     |
|      | 2722454   | CHAIN-6.35 (.25) 3 LINKS  |     |      |          |             |     |
|      |           | (QTY 2 USED ON 72" DECK)  |     |      |          |             |     |
| 4    | 4164341   | MAT-FOOT PLATE LOWER      | 1   |      |          |             |     |
| 5    | 4164343   | MAT-FOOT PLATE MIDDLE     | 1   |      |          |             |     |
| 6    | 2721861   | MAT-FOOT PLATE UPPER      | 1   |      |          |             |     |
| 7    | 4164406   | LABEL-BOB-CAT             | 1   |      |          |             |     |
| 8    | 4164455   | S-FOOT PLATE              | 1   |      |          |             |     |
|      |           | (INCLUDES ITEMS 4-7)      |     |      |          |             |     |
| 9    | 64163-65  | WASHER-.890X1.375X18GA    | 8   |      |          |             |     |
| 10   | 64221-04  | E-RING.875                | 4   |      |          |             |     |
| 11   | 4159283.7 | WLDMT-DECK LIFT, FRONT    | 1   |      |          |             |     |
| 12   | 2722559.7 | WLDMT-DECK LIFT, REAR     | 1   |      |          |             |     |
| 13   | 2722630   | CLIP-DECK HEIGHT ADJ      | 4   |      |          |             |     |
| 14   | 2722719   | SPRING-DECK LIFT          | 2   |      |          |             |     |
| 15   | 4159920.7 | WLDMT-CRADLE              | 1   |      |          |             |     |
| 16   | 64265-05  | NUT-FL NYLN LCK M10-1.5   | 15  |      |          |             |     |
| 17   | 4109960   | WLDMT-DECK LIFT ROD       | 2   |      |          |             |     |
| 18 * | 4111842.7 | BRKT-SPRING ANCHOR LH     | 1   |      |          |             |     |
| 19   | 4139785   | 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   | 64205-007 | BLT MET M10-1.50X20       | 2   |      |          |             |     |
| 25   | 64205-029 | BLT-MET M12X1.75X40       | 4   |      |          |             |     |
| 26   | 64205-060 | BOLT-MET M12-1.75X50      | 4   |      |          |             |     |
| 27   | 64263-013 | BLT-FLG HD M10-1.5 X 30   | 15  |      |          |             |     |
| 28   | 64246-04  | NUT-WHIZ M12-1.75         | 16  |      |          |             |     |
| 29   | 85010N    | ZERK, 1/4-28 STR SLFTHRD  | 1   |      |          |             |     |
| 30   | 85051     | ZERK-1/8 PIPE             | 6   |      |          |             |     |
| 31   | 64237-03  | LOCKNUT-NYLON M10-1.5     | 2   |      |          |             |     |

\*NOT ILLUSTRATED 4164279

# CRADLE & CASTER ASSEMBLY

ZT 200  
Series

FIGURE 14



# ZT 200 Series

## CRADLE & CASTER ASSEMBLY

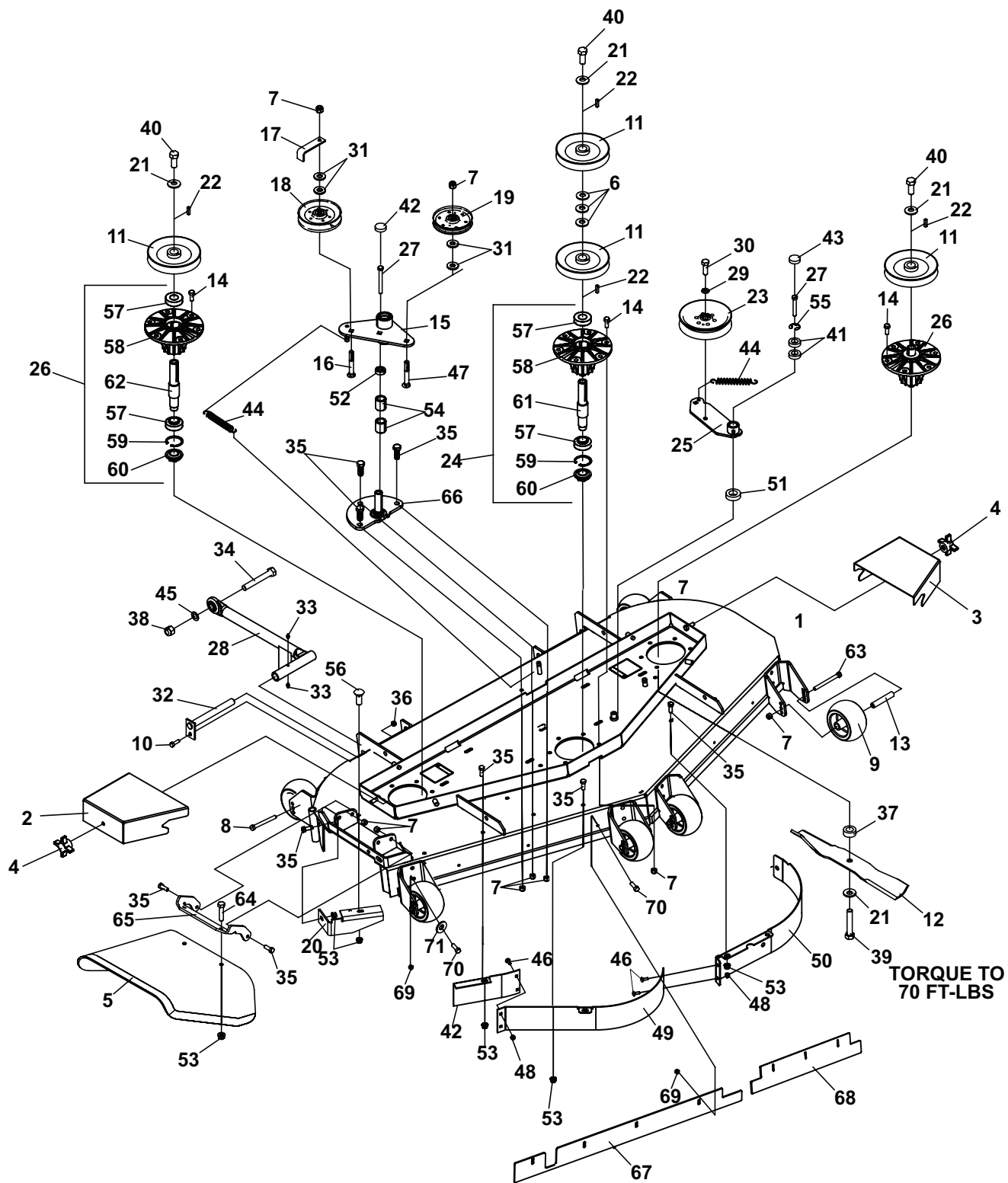
FIGURE 14

| ITEM | PART NO.                            | DESCRIPTION                                                  | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|-------------------------------------|--------------------------------------------------------------|-----|------|----------|-------------|-----|
| 1    | 48043-03C                           | CUP, OUTER BEARING                                           | 4   |      |          |             |     |
| 2    | 2721306.7                           | WLDMT-CASTER YOKE                                            | 2   |      |          |             |     |
| 3    |                                     | DECK/W LABS                                                  |     |      |          |             |     |
| 4    | 64123-215                           | BOLT-HEX 3/4-10X7 1/2                                        | 2   |      |          |             |     |
| 5    | 2722452.7                           | WLDMT-CASTER YOKE                                            | 2   |      |          |             |     |
| 6    | 2722230-03                          | SPANNER-13X6.5 WHEEL                                         | 2   |      |          |             |     |
| 7    | 2722326                             | ASSY-WHL 13X6.5-6<br>(INCLUDES ITEMS 8, 13 & 29)             | 2   |      |          |             |     |
| 8    | 2722326-01                          | TIRE-13X6.50-6 SMTH TRD                                      | 2   |      |          |             |     |
| 9    | 2722231                             | SPACER-END                                                   | 4   |      |          |             |     |
| 10   | 64163-64                            | WSHR 1.015X1.500X14GA                                        | 2   |      |          |             |     |
| 11   | 64229-07                            | LOCKNUT-NYLON 3/4-10                                         | 2   |      |          |             |     |
| 12   | 85010N                              | ZERK, 1/4-28 STR SLF THD                                     | 2   |      |          |             |     |
| 13   | 2722326-02                          | RIM ASM-W/VALVE STEM                                         | 2   |      |          |             |     |
| 14   | 2188135                             | DUST COVER                                                   | 2   |      |          |             |     |
| 15   | 48043-04C                           | CONE, OUTER BEARING                                          | 4   |      |          |             |     |
| 16   | 64205-029                           | BLT-MET M12X1.75X40                                          | 4   |      |          |             |     |
| 17   | 64246-04                            | NUT-WHIZ M12-1.75                                            | 8   |      |          |             |     |
| 18   | 48480                               | SEAL CR 12411                                                | 2   |      |          |             |     |
| 19   | 64140-5                             | COTTER PIN                                                   | 2   |      |          |             |     |
| 20   | 64123-223                           | BOLT-3/4-10 X 10                                             | 2   |      |          |             |     |
| 21   | 2722398.7                           | WLDMT-CASTER ARM 61                                          | 1   |      |          |             |     |
| 22   | 64025-20                            | NUT-HEX 3/4-16 SLOT U                                        | 2   |      |          |             |     |
| 23   | 4159920.7                           | WLDMT-CRADLE                                                 | 1   |      |          |             |     |
| 24   | 64205-080                           | BLT-METRIC M12-1.75X30                                       | 8   |      |          |             |     |
| 25   | 64237-06                            | LOCKNUT-NYLON M12-1.75                                       | 8   |      |          |             |     |
|      | (ITEMS 26 & 27 USED WITH 72" DECKS) |                                                              |     |      |          |             |     |
| 26   | 2722431.7                           | WLDMT-CASTER ARM 72LH                                        | 1   |      |          |             |     |
| 27   | 2722432.7                           | WLDMT-CASTER ARM 72RH                                        | 1   |      |          |             |     |
| 28   | 4113902.7                           | WLDMT-CASTER ARM 61RH<br>(ITEMS 21 & 28 USED WITH 61" DECKS) | 1   |      |          |             |     |
| 29   | 2722228-03                          | BEARING                                                      | 2   |      |          |             |     |

# 61" SIDE DISCHARGE

**ZT 200  
Series**

**FIGURE 15**



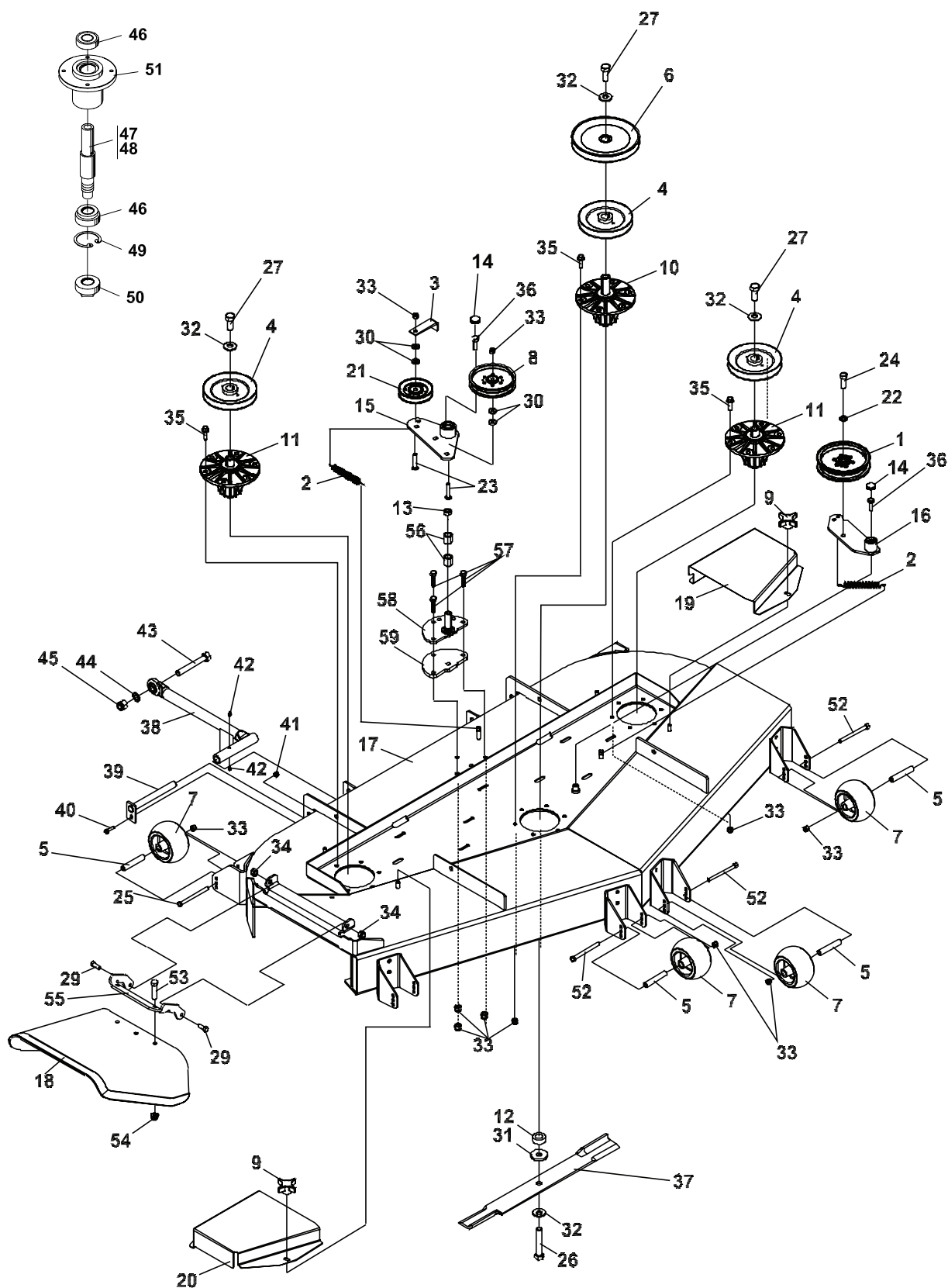
# ZT 200 Series

## 61" SIDE DISCHARGE

FIGURE 15

| ITEM | PART NO.  | DESCRIPTION                      | QTY | ITEM                                  | PART NO.   | DESCRIPTION               | QTY |
|------|-----------|----------------------------------|-----|---------------------------------------|------------|---------------------------|-----|
| 1    | 4163757   | S-61" DECK                       | 1   | 43                                    | 4128002    | END CAP                   | 2   |
| 2    | 2182352.2 | BELT COVER RH                    | 1   | 44                                    | 2188131    | SPRING-EXTENSION          | 2   |
| 3    | 2182351.2 | BELT COVER LH                    | 1   | 45                                    | 64163-93   | WSHR-.625IDX1.12ODX.06A/R |     |
| 4    | 38524     | KNOB-4 PRONG 3/8-16              | 2   | 46                                    | 64018-2    | BLT-CRG 1/4-20X3/4        | 4   |
| 5    | 4147399   | CHUTE-RUBBER ASSY                | 1   | 47                                    | 64018-5    | BLT-CRG 3/8-16X1-3/4      | 1   |
| 6    | 64163-64  | WSHR-1.015X1.500X14GA            | 3   | 48                                    | 64229-01   | LOCKNUT-1/4-20 NYLON      | 4   |
| 7    | 64229-03  | LOCKNUT NYLON 3/8-16             | 34  | 49                                    | 4134340.7  | BAFFLE-FRONT CTR 61       | 1   |
| 8    | 64123-173 | BLT-HEX 3/8-16X4-1/2             | 2   | 50                                    | 4117663.7  | BAFFLE-FRONT LH           | 1   |
| 9    | 2721512   | ROLLER-5X2.75 CENTERED           | 7   | 51                                    | 4127999    | SEAL                      | 1   |
| 10   | 64123-68  | BOLT-HEX 5/16-18X1               | 2   | 52                                    | 4163014    | SPACER                    | 1   |
| 11   | 2308140   | PULLEY ENGINE                    | 4   | 53                                    | 64268-03   | NUT-FL NYLN LOCK 3/8-16   | 10  |
| 12   | 112111-03 | BLADE 21.00 OFFST HLFT           | 3   | 54                                    | 4163155    | INNER RING                | 2   |
| 13   | 2720685   | SPACER-ROLLER                    | 7   | 55                                    | 64144-40   | SNAP RING                 | 2   |
| 14   | 64262-012 | BLT-FLG HD 3/8-16 X 1-1/4        | 18  | 56                                    | 64018-3    | BOLT-3/8-16X1 CARRIAGE    | 1   |
| 15   | 4163028   | ASSY-IDLER ARM PTO               | 1   | 57                                    | 38348-01   | BEARING-SPINDLE SEALED    | 6   |
| 16   | 64018-18  | BOLT-CARRIAGE 3/8-16X2           | 1   | 58                                    | 4164948    | HOUSING-SPINDLE 6 HOLE    | 3   |
| 17   | 2302125.7 | GUIDE-BELT                       | 1   | 59                                    | 64144-38   | SNAP RING                 | 3   |
| 18   | 48393     | PULLEY, V IDLER                  | 1   | 60                                    | 38315      | NUT-SPINDLE               | 3   |
| 19   | 38297     | IDLER, 5.0 OD FLNGD              | 1   | 61                                    | 2183070-01 | SHAFT-SPINDLE LONG        | 1   |
| 20   | 4115864.7 | BAFFLE-DISCHARGE                 | 1   | (USED ON 4165022 CENTER SPINDLE ONLY) |            |                           |     |
| 21   | 64209-03  | SPRING WSHR .67 ID               | 6   | 62                                    | 2183070-02 | SHAFT-SPINDLE             | 2   |
| 22   | 64164-12  | 1/4X1/4X1 SQ END KEY             | 4   | (USED ON 4165023 OUTER SPINDLE ONLY)  |            |                           |     |
| 23   | 128169    | PULLEY, IDLER 5.50               | 1   |                                       |            |                           |     |
| 24   | 4165022   | S-ASSYSPNDL ZT200 CNTR 1         | 1   |                                       |            |                           |     |
|      |           | (INCLUDES ITEMS 57-61)           |     | 63                                    | 64123-217  | BLT-HEX 3/8-16X4-1/4      | 5   |
| 25   | 4129076   | ASSY-DECK IDLER 61"              | 1   | 64                                    | 64262-013  | BLT-FLG HD 3/8-16 X 1-1/2 | 2   |
|      |           | (INCLUDES ITEMS 41, 43, 51 & 55) |     | 65                                    | 4149017.7  | HINGE-CHUTE RUBBER        | 1   |
| 26   | 4165023   | S-ASSYSPNDL ZT200 OUT            | 2   | 66                                    | 4163030.7  | WLDMT-IDLER PIN           | 1   |
|      |           | (INCLUDES ITEMS 57-60 & 62)      |     | 67                                    | 4163440.2  | EXTENSION-61IN, LH        | 1   |
| 27   | 64270-02  | BOLT-HEX M10-1.5X30 ISOCL109     | 2   | 68                                    | 4163441.2  | EXTENSION-61IN, RH        | 1   |
| 28   | 4133155.7 | WLDMT-PUSHBAR                    | 2   | 69                                    | 64141-2    | NUT-WLF 1/4-20            | 1   |
| 29   | 64006-05  | LOCKWSHR-HELICAL 1/2             | 1   | 70                                    | 64123-114  | BLT-HEX 1/4-20X1          | 1   |
| 30   | 64123-05  | BLT-HEX 1/2-20X1-1/2             | 1   | 71                                    | 64163-55   | WASHER-.328X.75X14GA      | 1   |
| 31   | 64163-46  | WSHR.383/.393X.88X7              | 4   |                                       |            |                           |     |
| 32   | 2186125   | WLDMT-LOCK, PUSHBAR              | 2   |                                       |            |                           |     |
| 33   | 85010N    | ZERK, 1/4-28 STR SLF THD         | 5   |                                       |            |                           |     |
| 34   | 64123-152 | BLT-HEX 5/8-11X5                 | 2   |                                       |            |                           |     |
| 35   | 64123-50  | BOLT-HEX 3/8-16X1                | 12  |                                       |            |                           |     |
| 36   | 64229-02  | LOCKNUT-NYLON 5/16-18            | 2   |                                       |            |                           |     |
| 37   | 4118314   | SPACER-BLADE 16MM                | 3   |                                       |            |                           |     |
| 38   | 64229-06  | LOCKNUT, NYLON 5/8-11            | 2   |                                       |            |                           |     |
| 39   | 64123-187 | BLT-HEX 5/8-18X3.75              | 3   |                                       |            |                           |     |
| 40   | 64123-208 | BLT-HEX 5/8-18X1.5               | 3   |                                       |            |                           |     |
| 41   | 4128004   | BEARING                          | 3   |                                       |            |                           |     |
| 42   | 4134344.7 | BAFFLE-RIGHT FRONT               | 1   |                                       |            |                           |     |

FIGURE 16



# ZT 200 Series

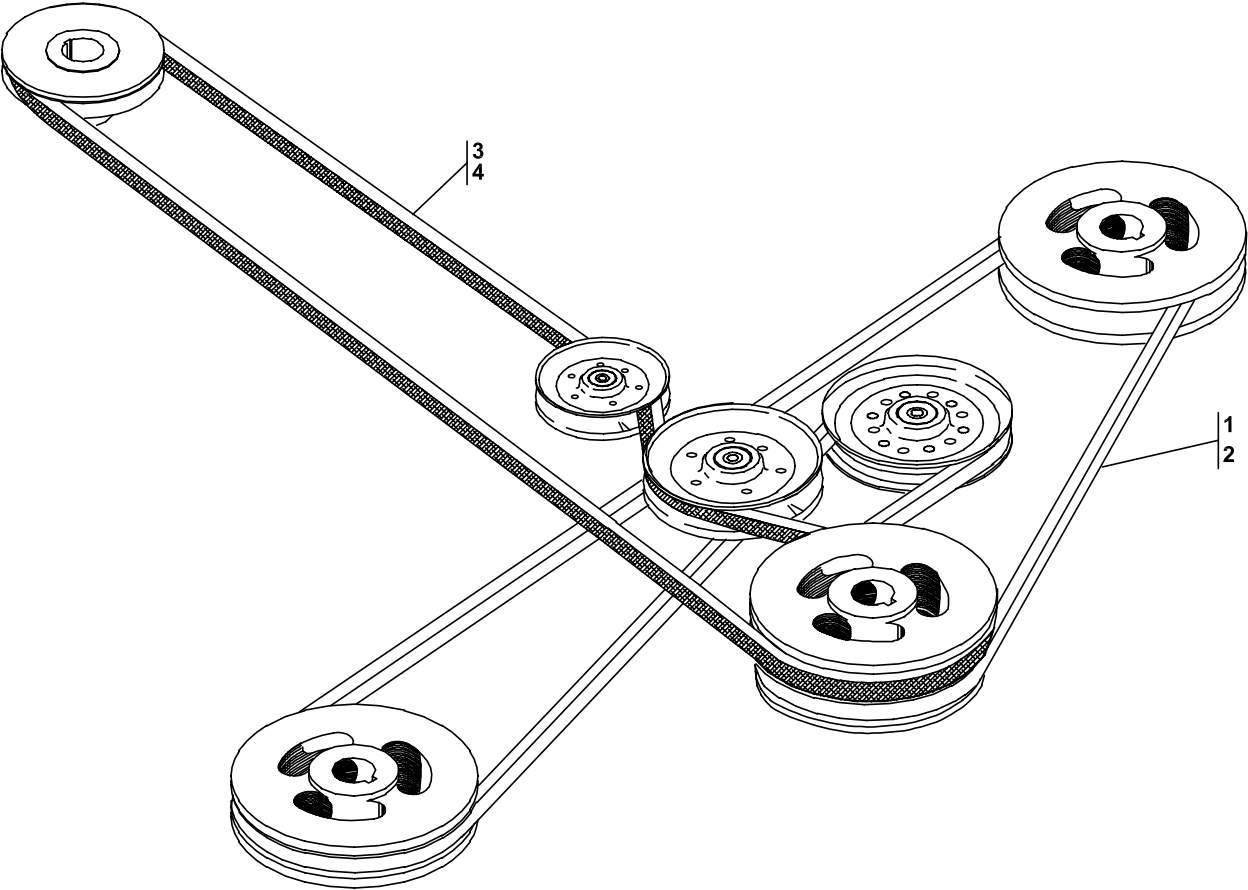
## 72" SIDE DISCHARGE

FIGURE 16

| ITEM | PART NO.  | DESCRIPTION                                             | QTY | ITEM | PART NO.   | DESCRIPTION               | QTY |
|------|-----------|---------------------------------------------------------|-----|------|------------|---------------------------|-----|
| 1    | 128169    | PULLEY-IDLER                                            | 1   | 33   | 64229-03   | LOCKNUT-3/8-16            | 30  |
| 2    | 2188131   | SPRING-EXTENSION                                        | 2   | 34   | 64229-05   | LOCKNUT-1/2-13            | 2   |
| 3    | 2302125.7 | GUIDE-BELT                                              | 1   | 35   | 64262-012  | BLT-FLG HD 3/8-16 X 1-1/4 | 18  |
| 4    | 2308140   | PULLEY-ENGINE                                           | 3   | 36   | 64270-01   | BOLT-MET M10-1.5x30       | 2   |
| 5    | 2720685   | SPACER-ROLLER                                           | 7   | 37   | 3970261    | BLADE-HIGH LIFT           | 3   |
| 6    | 2721415   | PULLEY                                                  | 1   | 38   | 4133155.7  | WLDMT-PUSH ARM            | 2   |
| 7    | 2721512   | ROLLER                                                  | 7   | 39   | 2186125    | WLDMT-LOCK, PUSHBAR       | 2   |
| 8    | 38297     | IDLER                                                   | 1   | 40   | 64123-68   | BOLT-HEX 5/16-18X1        | 2   |
| 9    | 38524     | KNOB-4 PRONG                                            | 4   | 41   | 64229-02   | LOCKNUT-5/16-18           | 2   |
| 10   | 4165022   | S-ASSY SPINDLE CENTER<br>(INCLUDES ITEMS 46, 47, 49-51) | 1   | 42   | 85010N     | ZERK-1/4-28               | 5   |
| 11   | 4165023   | S-ASSY SPINDLE OUTER<br>(INCLUDES ITEMS 46, 48-51)      | 2   | 43   | 64123-152  | BLT-HEX 5/8-11 X 5        | 2   |
| 12   | 4118314   | SPACER-BLADE                                            | 1   | 44   | 64163-93   | WASHER                    | 2   |
| 13   | 4163014   | SPACER                                                  | 1   | 45   | 64229-06   | LOCKNUT-5/8-11            | 2   |
| 14   | 4128002   | END CAP                                                 | 2   | 46   | 38348-01   | BEARING                   | 6   |
| 15   | 4163028   | ASSY-IDLER ARM PTO                                      | 1   | 47   | 2183070-01 | SHAFT-SPINDLE LONG        | 1   |
|      | 4128004   | BEARING                                                 | 2   | 48   | 2183070-02 | SHAFT-SPINDLE             | 2   |
|      | 64144-40  | SNAP RING                                               | 1   | 49   | 64144-38   | SNAP RING                 | 3   |
|      | 85010N    | ZERK 1/4-28                                             | 1   | 50   | 38315      | NUT-SPINDLE               | 3   |
|      | 548138    | BEARING-NDL.88 1.12 1.00                                | 2   | 51   | 4164948    | HOUSING-SPINDLE 6 HOLE    | 3   |
|      | 521438    | GREASE SEAL                                             | 1   | 52   | 64018-30   | BOLT-CARRIAGE             | 4   |
| 16   | 4129076   | ASSY-DECK IDLER 61"                                     | 1   | 53   | 64262-013  | BLT-FLG HD 3/8-16 X 1 1/2 | 3   |
|      | 4127999   | SEAL                                                    | 1   | 54   | 64268-03   | NUT-FL NYLON LOCK 3-16    | 3   |
|      | 4128004   | BEARING                                                 | 2   | 55   | 4147216.7  | HINGE-CHUTE, 72"          | 1   |
|      | 64144-40  | SNAP RING                                               | 1   | 56   | 4163155    | INNER RING                | 2   |
| 17   | 4154740   | S-72 CUTTERDECK W/LABS                                  | 1   | 57   | 64123-70   | BLT-HEX 3/8-16X1-1/2      | 3   |
| 18   | 4147335   | CHUTE-RUBBER, ASSY 72"                                  | 1   | 58   | 4163030.7  | WLDMT-IDLER PIN           | 1   |
| 19   | 4131945.2 | GUARD-BELT LH                                           | 1   | 59   | 4163189.7  | PLATE-SPACER              | 1   |
| 20   | 4131946.2 | GUARD-BELT RH                                           | 1   |      |            |                           |     |
| 21   | 48393     | PULLEY-V IDLER                                          | 1   |      |            |                           |     |
| 22   | 64006-05  | LOCKWASHER-1/2                                          | 1   |      |            |                           |     |
| 23   | 64018-18  | BOLT-CRG 3/8-16 X 2                                     | 2   |      |            |                           |     |
| 24   | 64123-05  | BLT-HEX 1/2-20X1-1/2                                    | 1   |      |            |                           |     |
| 25   | 64123-173 | BLT-HEX 3/8-16X4-1/2                                    | 2   |      |            |                           |     |
| 26   | 64123-187 | BLT-HEX 5/8-18 X 3 3/4                                  | 3   |      |            |                           |     |
| 27   | 64123-208 | BLT-HEX 5/8-18X1.5                                      | 3   |      |            |                           |     |
| 28*  | 64123-217 | BLT-HEX 3/8-16X4-1/4<br>(USED ON REAR ROLLER)           | 1   |      |            |                           |     |
| 29   | 64123-39  | BOLT-HEX 1/2-13X1-1/4                                   | 2   |      |            |                           |     |
| 30   | 64163-46  | WASHER                                                  | 4   |      |            |                           |     |
| 31   | 64163-78  | WASHER                                                  | 3   |      |            |                           |     |
| 32   | 64209-03  | SPRING WASHER                                           | 6   |      |            |                           |     |

\*NOT ILLUSTRATED

FIGURE 17



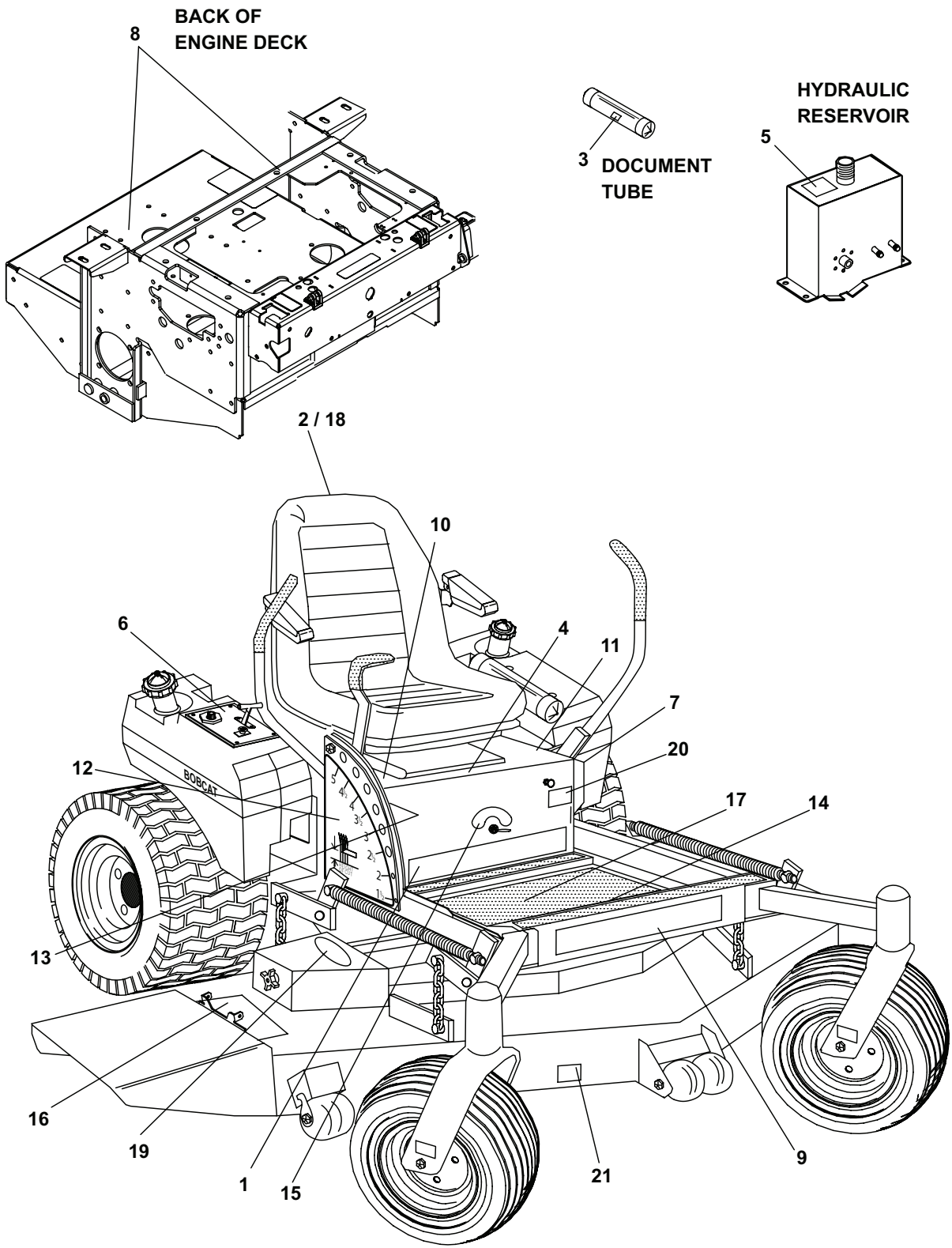
**ZT 200  
Series**

**BELTS-CUTTERDECK**

**FIGURE 17**

| ITEM | PART NO. | DESCRIPTION                         | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|----------|-------------------------------------|-----|------|----------|-------------|-----|
| 1    | 128003   | BELT-CUTTERDECK 61                  | 1   |      |          |             |     |
| 2    | 4135683  | BELT-CUTTERDECK 72                  | 1   |      |          |             |     |
| 3    | 2188134  | BELT-PTO 61<br>(USE ON 61" SD DECK) | 1   |      |          |             |     |
| 4    | 2722554  | BELT-PTO 72<br>(USE ON 72" SD DECK) | 1   |      |          |             |     |

FIGURE 18



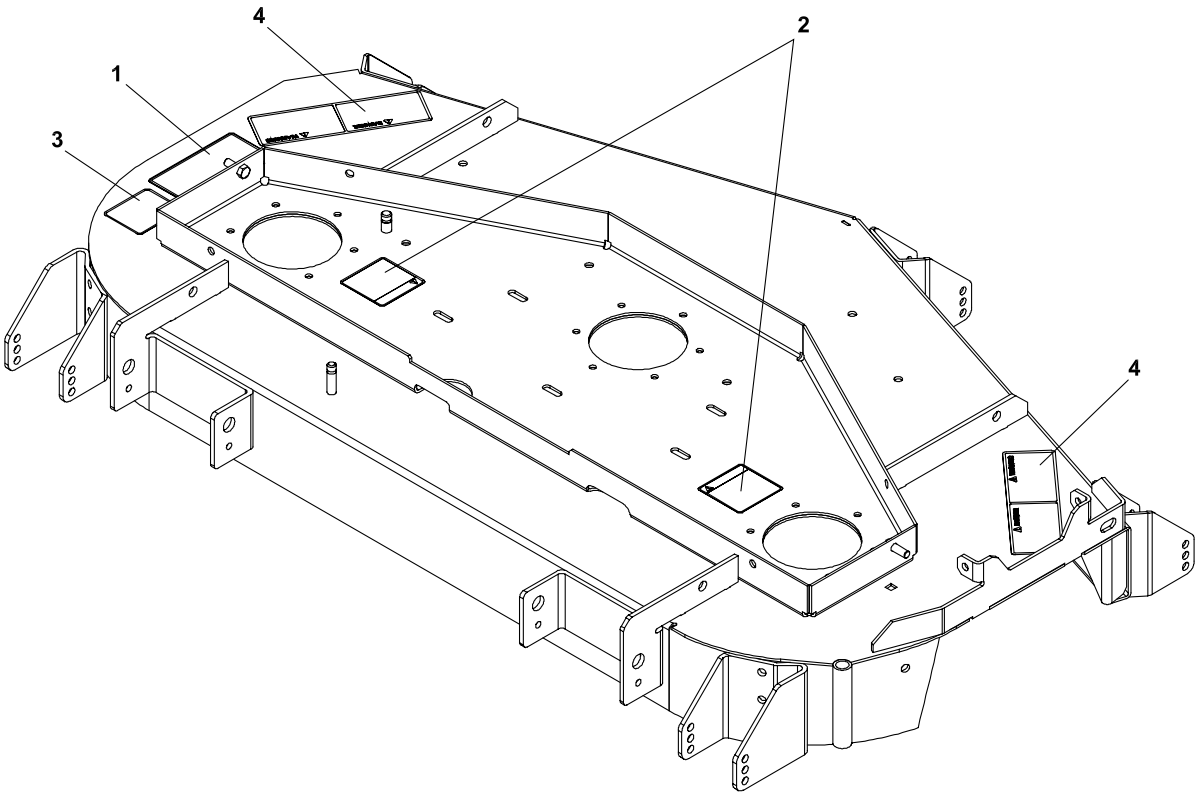
# ZT 200 Series

## DECALS

FIGURE 18

| ITEM | PART NO. | DESCRIPTION          | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|----------|----------------------|-----|------|----------|-------------|-----|
| 1    | 4164404  | LABEL-PREDATOR PRO   | 1   |      |          |             |     |
| 2    | 4158401  | LABEL-BOBCAT LG      | 1   |      |          |             |     |
| 3    | 2000735  | LABEL-OPER MAN       | 1   |      |          |             |     |
| 4    | 2000590  | LABEL-WARN BATTERY   | 1   |      |          |             |     |
| 5    | 2000691  | LABEL-HYDR OIL FILL  | 1   |      |          |             |     |
| 6    | 4159160  | LABEL-CONTROL PANEL  | 1   |      |          |             |     |
| 7    | 2000693  | LABEL-PARK BRAKE     | 1   |      |          |             |     |
| 8    | 2000698  | LABEL-FUEL/LEAKS     | 2   |      |          |             |     |
| 9    | 4164406  | LABEL- BOB-CAT       | 1   |      |          |             |     |
| 10   | 2000700  | LABEL-RH TRACTION    | 1   |      |          |             |     |
| 11   | 2000701  | LABEL-LH TRACTION    | 1   |      |          |             |     |
| 12   | 4163666  | LABEL-HT CUT OUTER   | 1   |      |          |             |     |
| 13   | 4163667  | LABEL-HT CUT INNER   | 1   |      |          |             |     |
| 14   | 4164279  | LABEL-WARNING        | 1   |      |          |             |     |
| 15   | 4164550  | LABEL-FUEL           | 1   |      |          |             |     |
| 16   | 4164269  | LABEL-ROTARY BLADES  | 1   |      |          |             |     |
| 17   | 4164277  | LABEL-BELT ROUTING   | 1   |      |          |             |     |
| 18   | 4116761  | LABEL-MADE IN USA    | 1   |      |          |             |     |
| 19   | 4163037  | LABEL-DURADECK       | 1   |      |          |             |     |
| 20   | 4162925  | LABEL-37 HP          | 1   |      |          |             |     |
| 21   | 4162916  | LABEL-DECK SIZE, 61" | 1   |      |          |             |     |
|      | 4162917  | LABEL-DECK SIZE, 72" | 1   |      |          |             |     |

FIGURE 19



**ZT 200  
Series**

**DECALS-CUTTERDECKS**

**FIGURE 19**

| ITEM | PART NO. | DESCRIPTION          | QTY | ITEM | PART NO. | DESCRIPTION | QTY |
|------|----------|----------------------|-----|------|----------|-------------|-----|
| 1    | 2000572  | LABEL-WARNING BLADES | 1   |      |          |             |     |
| 2    | 2000577  | LABEL-WARNING        | 2   |      |          |             |     |
| 3    | 2000696  | LABEL-BLADE INSTALL  | 1   |      |          |             |     |
| 4    | 2000677  | LABEL-DANGER/WARNING | 2   |      |          |             |     |

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