

ORIGINAL INSTRUCTIONS

OPERATOR'S MANUAL

266WMM

Mower Deck

PIN YJWR00241 and above

for Workmaster™ 25 Compact Tractor

Part number 51558669

1st edition English

June 2019



INTRODUCTION

TO THE PURCHASER

All products are designed to give safe, dependable service if they are operated and maintained according to instructions. **Read and understand this manual before operation, and keep it in your files for further reference.**

This manual has been prepared to assist the owner and operators in the safe operation and suitable maintenance of the equipment. The information is applicable to products at the time of manufacture and does not include modifications made afterwards.

Read and understand this operator's manual before attempting to put equipment into service. Familiarize yourself with the operating instructions **AND ALL THE SAFETY RECOMMENDATIONS** contained in this manual and those labeled on the equipment and on the machine. Follow the safety recommendations and make sure that those with whom you work follow them.

TO THE DEALER

Give this manual to the owner upon delivery of the equipment.

TO THE PURCHASER AND THE DEALER

Illustrations

The illustrations may not necessarily reproduce the full detail and the exact shape of the parts or depict the actual models, but are for reference only.

Direction Reference

All references to right and left, forward or rearward are from the operator seat.

Serial Decal

CNH Industrial America LLC	
Racine, WI 53404 U.S.A.	Made In Canada
ATTACHMENT	
THIS IS NOT A PRODUCT IDENTIFICATION NUMBER (PIN) PLATE	
Model / Type / Part Number	
Serial Number	

To assist your dealer in handling your needs, please record hereafter the model number and serial number of your equipment and machine. It is also advisable to supply them to your insurance company. It will be helpful in the event that equipment or machine is lost or stolen

MODEL: _____

SERIAL NUMBER: _____

DATE OF PURCHASE: _____

DEALER NAME: _____


DEALER TELEPHONE NUMBER: _____


INTRODUCTION


All products are designed to give safe, dependable service if they are operated and maintained according to instructions. **Read and understand this manual before operation.** It is the owner's responsibility to be certain anyone operating this product reads this manual, and all other applicable manuals, to become familiar with this equipment and all safety precautions. Failure to do so could result in serious personal injury or equipment damage. If you have any questions, consult your dealer.

SAFETY FIRST

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.

 **DANGER :** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING :** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION :** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

IMPORTANT : Indicates that equipment or property damage could result if instructions are not followed.

NOTE : Gives helpful information.

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SAFETY INFORMATION

Children

Tragic accidents can occur if the operator is not alert to the presence of children. Children are generally attracted to machines and the work being done. Never assume children will remain where you last saw them

1. Keep children out of the operating area and under the watchful eye of another responsible adult.
2. Be alert and turn machine off if children enter the work area.
3. Before and when backing, look behind for small children.
4. Never carry children while operating the machine. They may fall off and be seriously injured or interfere with the safe operation of the machine.
5. Never allow children to play on the machine or attachment even when the machine is turned off.
6. Never allow children to operate the machine even under adult supervision.
7. Use extra care when approaching blind corners, shrubs, trees, or other obstructions that might hide children from sight.

Before Operation

1. Read and understand both the machine AND implement operator's manual before using the snowblower. Know how to operate all controls and how to stop the unit and disengage the controls quickly. Lack of knowledge can lead to accidents.
2. Park the machine/implement on level ground, set the parking brake, lower the implement to the ground, place all control levers in neutral, shut off the engine and remove the ignition key and allow the rotating parts to stop BEFORE making any implement adjustments, repairs or inspections.
3. Keep clear of all rotating parts. Do not put hands or feet under, or into snowblower and subframe with engine running.

4. For your safety, do not work under any hydraulically supported machine elements, they may creep down, suddenly drop or be accidentally lowered. Do not use loader, quick hitch, or an implement as a jack for servicing.
5. Do not operate the machine/implement that is defective or has missing parts. Make sure that all recommended maintenance procedures are completed before operating the unit.
6. Keep the machine/implement clean. Snow, dirt or ice build-up can lead to malfunction or personal injury from thawing and refreezing in garage. Inspect and clean every rotating parts.
7. Do not modify or alter this implement or any of its components, or any implement function without first consulting your dealer. The manufacturer will not claim responsibility for fitment of unapproved parts and/or accessories and any damages as a result of their use.
8. Verify that all machine/implement safety protective devices are in place. Shields, guards and covers must be correctly installed at all times. When necessary to remove these for servicing, cleaning, or repair work, they must be reinstalled immediately.
9. Always make sure all implement components are properly installed and securely fastened.
10. Check that all machine/implement drivelines are in good working order.
11. Check for moving parts excessive wear regularly. ALWAYS USE GENUINE PARTS WHEN REPLACEMENT PARTS ARE REQUIRED.
12. Prior to operation, clear work area and mark all curbs, pipes, etc. that cannot be moved.
13. Inspect the machine/implement after striking any foreign object to assure that all machine/implement parts are safe and secure and not damaged.
14. Handle fuel with care, as it is highly flammable. Use approved fuel container.
15. Never add fuel to a running engine or a hot engine.
16. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors. Replace fuel cap securely and wipe up spilled fuel. Always refuel using a properly grounded system.



SAFETY INFORMATION












17. Check all machine controls regularly and adjust where necessary. Make sure that the brakes are evenly adjusted. Periodically check all nuts and bolts for tightness, especially wheel hub and rim nuts.
18. Make sure the machine is counterweighted and has tire chains for better traction and stability as recommended by your dealer. Weights provide the necessary balance to improve stability, traction and steering. Use only those recommended by your dealer.
19. Prolonged exposure to loud noise can cause impairment or loss of hearing. Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable noises.
8. Park the machine/implement on level ground, place the transmission in neutral, set the parking brake, disengage the driving system, lower the equipment to the ground, place all levers including auxiliary control levers in neutral, shut off the engine and remove the ignition key **BEFORE LEAVING THE MACHINE.**
9. Always drive the machine at speeds compatible with safety, especially when operating over rough ground, crossing ditches, slippery surface or when turning.
10. Operate only with good visibility and during daylight hours, or when the area is well lit with bright artificial light.
11. Do not run the engine indoors except when starting engine and transporting attachment in or out of building. Carbon monoxide gas is colorless, odorless and deadly.

During Operation

1. Never allow anyone to operate the machine and implement until they have read the manuals completely and are thoroughly familiar with their basic operation. Lack of operating knowledge can lead to accidents.
2. Do not allow anyone to ride on the machine/implement at any time. The only one allowed is the operator that **MUST** sit in the driver seat.
3. Never allow anyone near the work area. The debris that can be thrown could cause serious personal injuries.
4. Never stand alongside of the implement while the engine is running.
5. Never operate the implement without safety protective devices in place. All machine/implement shields, guards and covers must be correctly installed at all times.
6. Keep clear of all rotating parts. Do not put hands or feet under, or into the implement with engine running.
7. If the implement starts to vibrate abnormally, disengage the PTO, stop the engine immediately and check for cause. Excessive vibration is generally a sign of trouble.
12. Exercise extreme caution when operating on or crossing a gravel drive, walks, or roads. Stay alert for hidden hazards or traffic.
13. Use extra caution when backing up.
14. Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops. Drive machine backwards up steeper slopes with the implement off. Then operate as you travel down the slope.
15. Never park the machine on a steep slope. Do not attempt to operate on steep slopes. If operating on slopes is necessary, exercise extreme caution when changing direction.
16. Disengage power to implement when transporting or when not in use







GENERAL SAFETY INFORMATION

	<p>BEFORE YOU START SERVICE</p> <ul style="list-style-type: none"> • Read all instructions and safety instructions in this manual and on your machine safety decals. • Clean the work area and machine. • Park the machine on a stable and level ground, and set the parking brake. • Lower the implement to the ground. • Stop the engine, then remove the key. • Disconnect the battery negative cable. • Hang a "DO NOT OPERATE" tag in the operator station. 		<p>No Smoking or Open Flames while Fueling</p> <ul style="list-style-type: none"> • Fuel is extremely flammable and dangerous. Never smoke near fuel. If fuel is spilled on the machine, its engine, or electrical parts, it may cause a fire. If fuel is spilled, wipe it all up immediately. • Never smoke while filling the machine with fuel. And always tighten the fuel cap securely and wipe up any spilled fuel.
	<ul style="list-style-type: none"> • When performing maintenance on the equipment, hang the DO NOT OPERATE sign where it will be obvious from and around the driver's seat. • When performing maintenance or repairs, always lower attachments to the ground, stop the engine and secure the tracks with blocks. • When performing maintenance on the equipment, always disconnect the negative battery cable. • Before using tools, make sure you understand how to use them correctly and use tools in good condition and of the right size for the job. 		<ul style="list-style-type: none"> • Before getting on/off of the machine, clean off around the steps so there is no mud on them. Always give yourself 3-point support when getting on/off the machine. <p>CAUTION</p> <ul style="list-style-type: none"> • 3-point support means using both legs and one hand or both hands and one leg as you climb up/down.
	<p>START SAFELY</p> <ul style="list-style-type: none"> • Do not do the procedures below when you start the engine. <ul style="list-style-type: none"> – short across starter terminals – bypass the safety start switch • Do not alter or remove any part of machine safety system. • Before you start the engine, make sure that all shift levers are in neutral positions or in disengaged positions. • Do not start the engine when you stay on the ground. Start the engine only from operator's seat. 		<ul style="list-style-type: none"> • Do not remove the radiator cap when the engine operates, or immediately after it stops. If not, hot water can spout out from the radiator. Only remove the radiator cap when it is at a sufficiently low temperature to touch with bare hands. Slowly loosen the cap to release the pressure before you remove it fully.
	<p>Starting the Machine Safely</p> <ul style="list-style-type: none"> • Before starting the engine, always sit in the driver's seat and make sure the area is safe and clear. • As it is dangerous, never start the engine from anywhere but the driver's seat. • Always check and make sure control lever(s) are not engaged before starting the engine. • Never start the engine by hot-wiring the starter circuit. This is not only dangerous, but may damage the machine. 		<ul style="list-style-type: none"> • The engine, muffler, radiator, hydraulic line, etc., have parts that remain very hot even after the engine has been stopped. Be sure to avoid these parts, as touching them can result in burns. Radiator coolant, hydraulic fluid and oil also remain hot. Therefore, do not attempt to remove caps and plugs, etc., before these fluids have sufficiently cooled. • Make sure the coolant temperature has dropped sufficiently before opening the radiator cap. Also, since the inside of the radiator is pressurized, when removing the cap, first loosen it to release the pressure before removing the cap completely.
	<ul style="list-style-type: none"> • Wear clothes appropriate for working on equipment. Do not wear loose-fitting clothes as they may catch on the machine controls. • When working on the equipment, use all safety gear, such as a helmet, safety glasses and shoes, that are required by law or regulation. • Never perform maintenance while drowsy or under the influence of alcohol or drugs. 		<ul style="list-style-type: none"> • Grease is under high pressure inside the hydraulic cylinder. It is very dangerous to loosen a grease nipple quickly as it may shoot off. Always loosen grease nipples slowly. • And never face a grease nipple while loosening it.
	<p>Be Ready for an Emergency</p> <ul style="list-style-type: none"> • Keep a first-aid kit and fire extinguisher close at hand so you can use it when needed. • Keep emergency contact information for doctors, hospitals and ERs handy. 		<p>PREVENT A FIRE</p> <ul style="list-style-type: none"> • Fuel is very flammable and explosive under some conditions. Do not smoke or let flames or sparks in your work area. • To prevent sparks from an accidental short circuit, always disconnect the battery negative cable first and connect it last. • The battery gas can cause an explosion. Keep the sparks and open flame away from the top of battery, especially when you charge the battery. • Make sure that you do not spill fuel on the engine.
	<p>KEEP A GOOD AIRFLOW IN THE WORK AREA</p> <ul style="list-style-type: none"> • If the engine is in operation, make sure that the area has good airflow. Do not operate the engine in a closed area. The exhaust gas contains poisonous carbon monoxide. 		<p>Dispose of Waste Fluids Properly</p> <ul style="list-style-type: none"> • Never dispose of waste fluids on the ground, in the gutter, a river, pond or lake. Always dispose of hazardous substances like waste oil, coolant and electrolytic fluid in accordance with the relevant environmental protection regulations. • Keep the safety plates clean so they can be read. If a safety plate is damaged and comes off or becomes illegible, put a plate with the same warnings back in its place.



GENERAL SAFETY INFORMATION

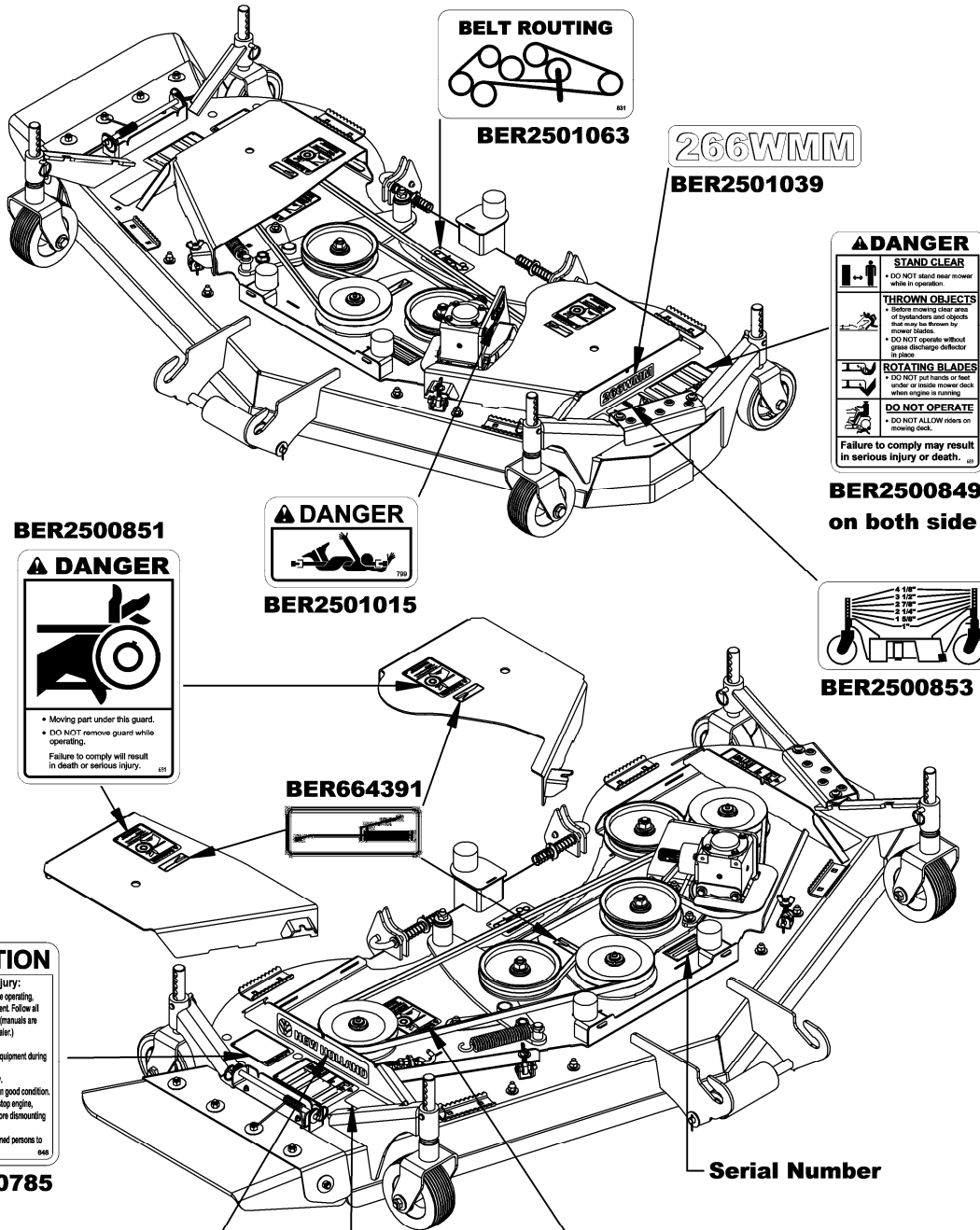
	<ul style="list-style-type: none">• The pressure in the hydraulic circuit stays at pressure even after the engine stops. Before removing parts, such as hydraulic devices from the machine, first release the pressure. Please note that when releasing residual pressure, the machine itself and/or implements may move without warning, so be very careful when releasing the pressure.• Oil gushing out under pressure is extremely dangerous as it may pierce your skin or your eyes. Similarly, oil leaking out of pinholes is not visible. So when checking for oil leaks, always wear safety glasses and gloves and use a piece of cardboard or a wood block to shield yourself from oil.		<ul style="list-style-type: none">• When you need to access the underside of the machine for maintenance purposes, but sure to support the machine with a safety stand. Getting under the machine while supporting the machine by machine's own hydraulic cylinder or using a hydraulic jack can be extremely dangerous in the event of a hydraulic fluid leakage or similar mishap. <p>(1) Safety stand (2) Secure point for safety stand</p>
	<ul style="list-style-type: none">• Do not open a fuel system under high pressure. The fluid under high pressure that stays in fuel lines can cause serious injury. Do not disconnect or repair the fuel lines, sensors, or any other components between the fuel pump and injectors on engines with a common rail fuel system under high pressure.• Put on an applicable ear protective device (earmuffs or earplugs) to prevent injury against loud noises.• Be careful about electric shock. The engine generates a high voltage of more than DC100 V in the ECU and is applied to the injector.		<ul style="list-style-type: none">• Whenever it is necessary to open the engine covers or hood in order to service the machine, always prop them open.• If it is absolutely necessary to run the engine while working on the machine, make sure you are clear of all rotating or moving parts. Also take care not to leave anything, such as tools or rags, near any moving parts.
	<ul style="list-style-type: none">• Engage the loader control valve lock to prevent accidental actuation when the implement is not in use or during transport. Do not utilize the valve lock for machine maintenance or repair.• Do not perform machine maintenance with loader in the air. If possible, follow loader instructions to remove loader before performing maintenance.• If the machine has a backhoe, engage swing and boom locks.		

SPECIFICATIONS

Features and Specifications	66" LAWN MOWER 717966336
HOUSING	
Cutting width – in (cm)	66 (168)
Construction	Welded drive-over floating deck
Blades quantity	3
Blade length – in (cm)	23 (58) diagonal
Blades thickness - in (mm)	1/4 (6)
Blade overlap - in (cm)	1 5/16 (3)
Weight - lbs (kg)	423 (192)
Housing thickness	10 Ga
Housing depth - in (cm)	4 3/4 (12)
Belt guards thickness	10 Ga
Distance between blade and housing bottom edge	3/4 (2)
Front and side reinforcement thickness	3/8 (1)
Chute material	Reinforced rubber 3/8" (9.5mm) thick
Chute width – in (cm)	12 (30.5)
Gage wheels quantity	4
Gage wheels dimensions	FRONT: 6 1/4" diam. x 3" large (16cm diam. x 7.6cm large) REAR: 6" diam. x 2" large (15cm diam. x 5cm large)
Cutting height	1", 1 5/8", 2 1/4", 2 7/8", 3 1/2", 4 1/8" (2.5, 4, 5, 7, 9, 10 cm)
MOWER DECK DRIVE	
Mower input speed at gearbox	2000 RPM
Gearbox speed increase ratio	Ratio 1 : 1.42
Gearbox output speed	2842 RPM
Gearbox type	Cast iron
Driving pulley	Cast iron MBL59, 5.9" (15 cm) outside diam.
Spindle driven pulley	Split pulley 6 1/2" (16.5 cm) outside diam.
Blade tip speed	16557 fpm
Belt tensionner	Spring loaded
Belt idler dimension	6" diam x 1" large (15 cm diam. x 2.5 cm large)
Belt type	Single B Kevlar reinforced
Spindle shaft diameter	25mm upper diameter and 30mm lower diameter
Spindle shaft material	1045
Spindle bearing housing material	Ductile iron
Upper spindle bearing type	Single seal 25mm shaft ball bearing
Lower spindle bearing type	Single seal 30mm shaft ball bearing
PTO type	15 splines telescopic member
ANTI-SCALP WHEELS	
Quantity of anti-scalp wheels	1 middle front and 1 middle rear
Wheels dimensions	2 1/2" diam x 6" large (6.5 cm diam. x 15 cm large)

SAFETY LABELS

Replace immediately if damaged



⚠ DANGER

STAND CLEAR

- DO NOT stand near mower while in operation.

THROWN OBJECTS

- Exclude mowing clear area of bystanders and objects that may be thrown by mower blades.
- DO NOT operate without grass discharge deflector in place.

ROTATING BLADES

- DO NOT put hands or feet under or inside mower deck when engine is running.

DO NOT OPERATE

- DO NOT ALLOW rollers on mowing deck.

Failure to comply may result in serious injury or death. (62)

⚠ DANGER

Moving part under this guard.

- DO NOT remove guard while operating.

Failure to comply will result in death or serious injury. (62)

⚠ DANGER

Moving part under this guard.

- DO NOT remove guard while operating.

Failure to comply will result in death or serious injury. (62)

BER2500853

4 1/2"
3 1/2"
2 1/2"
1 1/2"

⚠ CAUTION

To Avoid Serious Injury:

- Read operator's manual before operating, servicing or repairing equipment. Follow all safety rules and instructions. (manuals are available from your selling dealer.)
- Never allow riders.
- Keep bystanders away from equipment during operation.
- Operate from tractor seat only.
- Keep all shields in place and in good condition.
- Lower equipment to ground, stop engine, remove key and set brake before dismounting tractor.
- Never allow children or untrained persons to operate equipment.

(648)

⚠ DANGER

GUARD MISSING DO NOT OPERATE

- Replace guard before installation or operating the machine.

Failure to comply will result in death or serious injury. (62)

ESTIMATED ASSEMBLY TIME

Refer to the following table for the estimated assembly time to open the package and assemble the equipment.

	66" Lawn Mower 717966336
Estimated initial installation time	90 -120 min
Reinstallation (on the tractor)	4-6 min

The assembly times of the table are only a reference under normal conditions according to the following assumptions:

1. A competent person who is familiar with the equipment does the assembly.
2. The following tools and materials are prepared:
 - Wrench set (flat wrenches)
 - Ratchet & socket set
 - Cutting pliers
 - Allen key set
 - Security gloves

ASSEMBLY

MOWER ASSEMBLY

The mower is pre-assembled at the factory; however, parts in the bag and box must be assembled. Use the present manual and lay out all parts for assembly. Separate bolts and nuts into various sizes. After assembly, torque all the bolts according to the "Torque Specification Table" enclosed at the end of the manual.

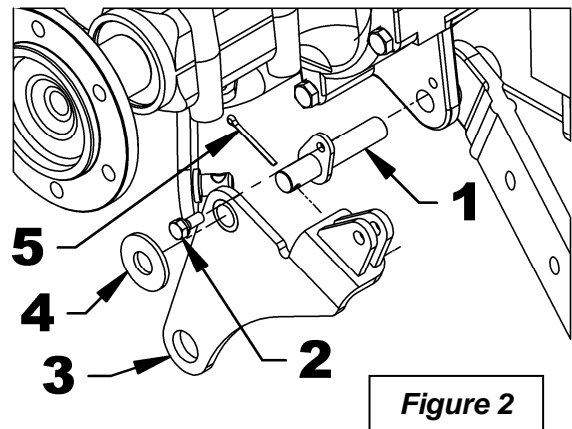
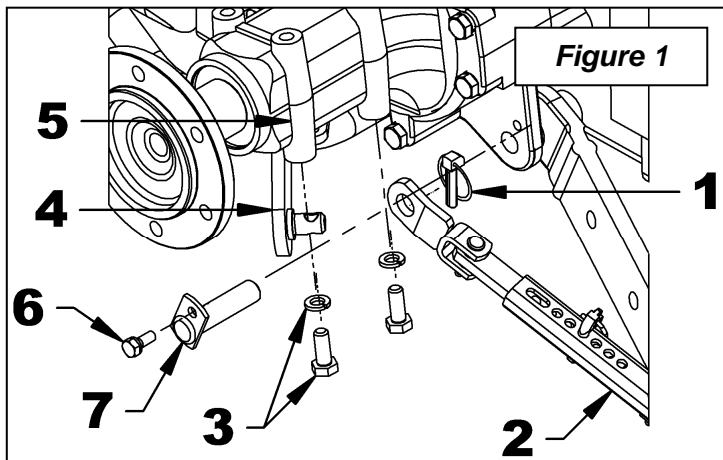
Tractor 3-point Pins & Lifting Pivots Installation (figures 1-2)

! WARNING: To avoid serious personal injury or death: Read and understand the SAFETY INFORMATION on the previous pages before installation and operation. Perform all the assembly with the unit properly blocked and supported.

1. **Figure 1:** Remove the linchpin (item 1) from the anti-sway rod (item 2) and keep it at hand for further use.
2. **Figure 1:** Remove the two hex bolts and lockwashers (item 3) from the anti-sway rod support (item 4) attached under the tractor rear axle (item 5). Then untighten the third hex bolt and rotate the anti-sway rod support (item 4) toward outside.
3. **Figure 1:** Remove the hex bolt (item 6) from the 3-point pin (item 7) and remove that original 3-point pin (item 7). Keep at hand the hardware for the installation of the new 3-point pin.
4. **Figure 2:** Insert the new 3-point pin (item 1) and secure it with the hex bolt and lockwasher (item 2) previously removed.

! WARNING: To avoid serious personal injury or death: Park the tractor on level ground, place the transmission in neutral, set the parking brake, disengage the drive system, put all levers to neutral, shut off the engine, remove the ignition key and wait for all movement to stop **BEFORE** starting installation.

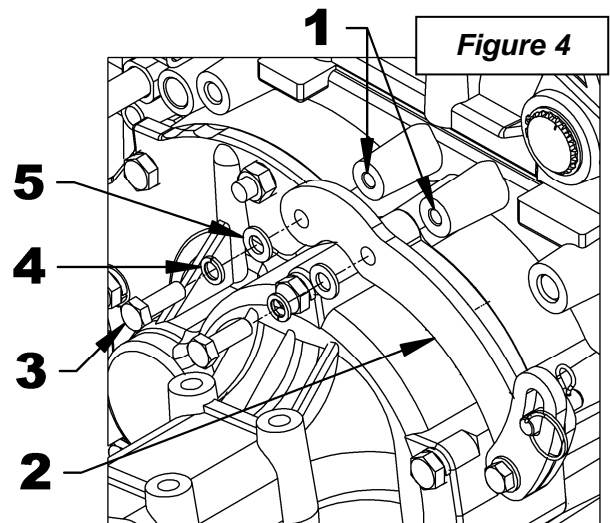
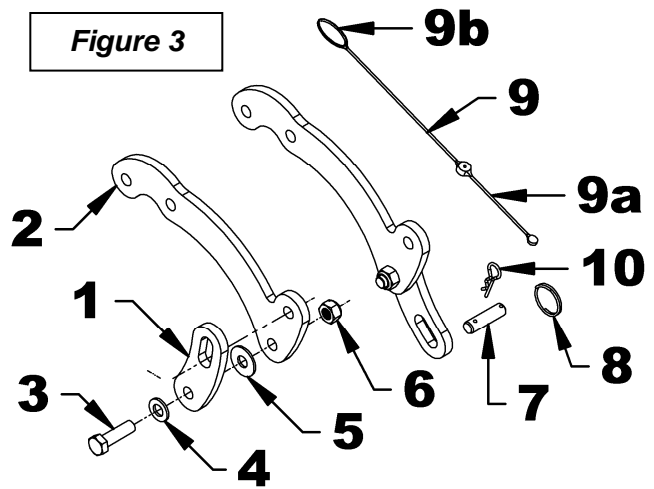
5. **Figure 1:** Rotate the anti-sway rod support (item 4) toward inside. Reinstall the two hex bolts and lockwashers (item 3) of the anti-sway rod (item 2) under the tractor rear axle (item 5). Then, tighten the three hex bolts.
6. **Figure 1:** Reinstall the anti-sway rod (item 2) with the linchpin (item 1) previously removed.
7. Repeat the same installation on the other side.
8. **Figure 2:** Install the 3-point lifting pivot (item 3) on the 3-point pin (item 1), the lifting pivot bended section must be installed over the 3-point lower arm.
9. **Figure 2:** Install a 7/8" flat washer (item 4) and insert a 3/16" x 2" cotter pin (item 5).
10. **Figure 1:** Lock the anti-sway arm (item 2) to prevent the 3-point lower arm from getting out of the bended section.



ASSEMBLY

Locking Mower Bracket Installation (figures 3-4)

- 1. Figure 3:** Attach the transport link (item 1) to the transport bracket (item 2) with a M12 x 40mm hex bolt (item 3), 12mm flat washer (item 4), 7/16" flat washer (item 5) between the transport link and transport bracket and a M12 nylon insert locknut (item 6).
- 2. Figure 3:** Insert a circle cotter (item 8) in the hole closer to the edge of the pin (item 7). Insert the hairpin (item 10) into the loop (item 9b) of the lanyard (item 9). Insert the other end of the lanyard into the circle cotter (item 8) and close the loop (item 9a) to secure the pin to the lanyard.
- 3. Figure 3:** Rotate the transport link (item 1) upward and secure it to the transport bracket (item 2) with previously mount pin (item 7) and the hair pin (item 10)
- 4.** Repeat the same assembly on the other side.
- 5. Figure 4:** Remove the protective caps in the threaded holes (item 1) of the tractor. Run a M12 x 1.75 tap into the holes (item 1). Clean the inside of the holes with compressed air to remove any debris.
- 6. Figure 4:** Attach the assembled transport bracket (item 2) to the tractor with two M12 x 35mm bolts, 12mm lock washers and 12mm flat washers (items 3-4-5).
- 7.** Remove the M12 hex bolt that secures the metal hitch on the right side of the tractor before installing the assembled transport bracket.
- 8.** Perform steps 4 and 5 to install the transport bracket on the right side of the tractor and reinstall the metal hitch.



ASSEMBLY

Middle Supports Installation on Tractor WITH FRONT LOADER (figures 5-6)

NOTE : WITHOUT FRONT LOADER

If you install the mower on a tractor not equipped with a front loader, a side bracket kit is required. Otherwise, the side pivot brackets of the mower can't be installed.

1. **Figure 5:** Remove the two hex bolts, lockwashers and nuts (items 1) of the loader reinforcement crossbar. Remove the hex bolt (item 2) that secure the loader tower to the transmission casing of the tractor.

The same bolts will need to be removed on the opposite side but do one side at the time.

2. **Figure 6:** Install the appropriate side lifting arm (item 1) onto the appropriate side middle support (item 2) and secure in place a 1/4" round wire lockpin (item 3).

3. **Figure 6:** Install the middle support (item 2) over the front loader plate of the front loader tower and secure with one M14 x 60mm hex bolt (item 5a) and a 14mm lockwasher (item 7) and a 14mm hex nut (item 8). Then insert a center pin into the second bottom hole to align all parts together and secure with the hex bolt M14 x 70mm (item 6) and a lockwasher (item 7). Remove the center pin. Install a M14 x 60mm hex bolt (item 5b), a 14mm lockwasher (item 7) and a 14mm hex nut (item 8).

Figure 5

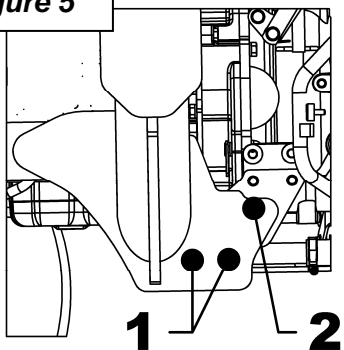


Figure 6 - LEFT SIDE

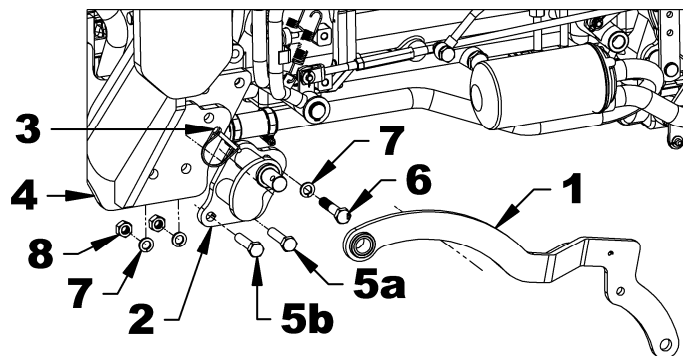
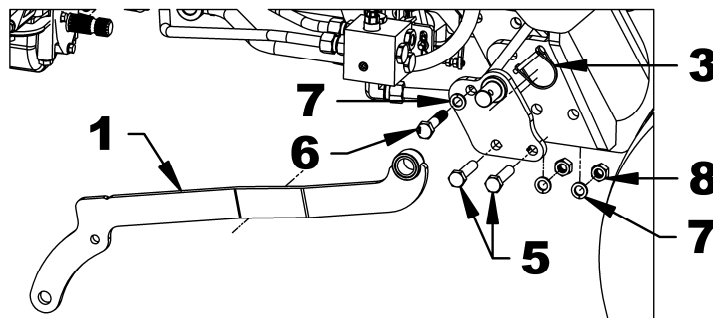


Figure 6 - RIGHT SIDE

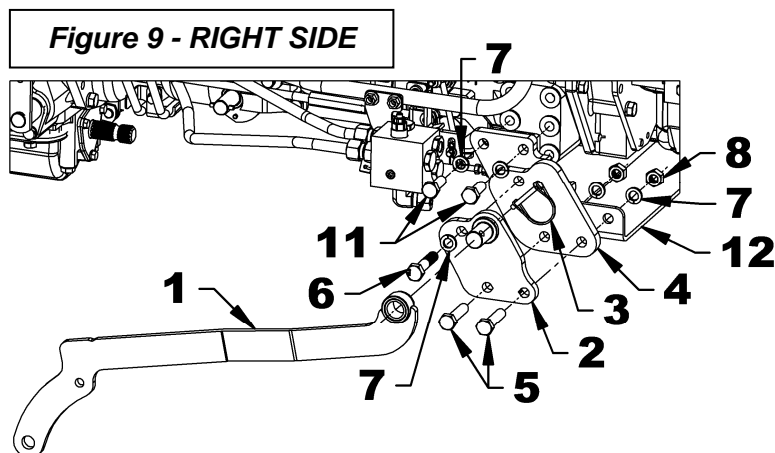
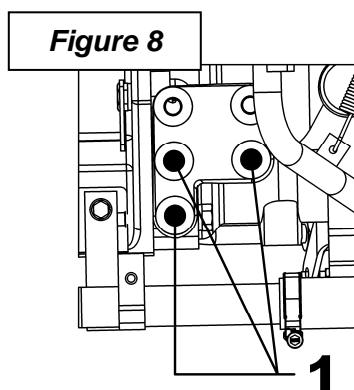
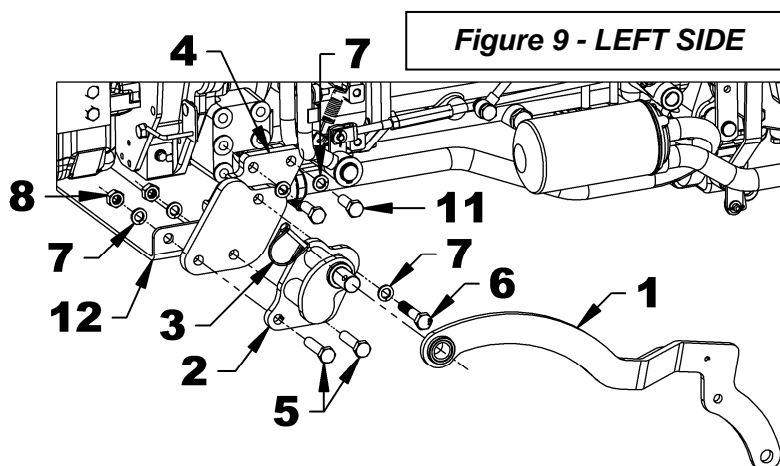
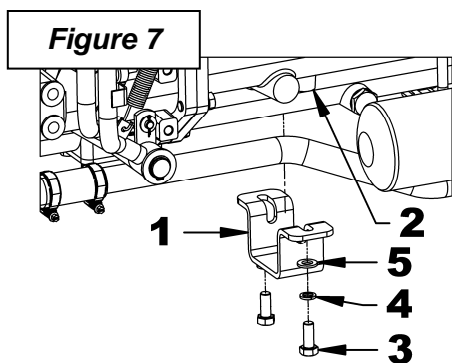


ASSEMBLY

Side Brackets of the 439054016 and Middle Supports

Installation on Tractor WITHOUT FRONT LOADER (figures 7-8-9)

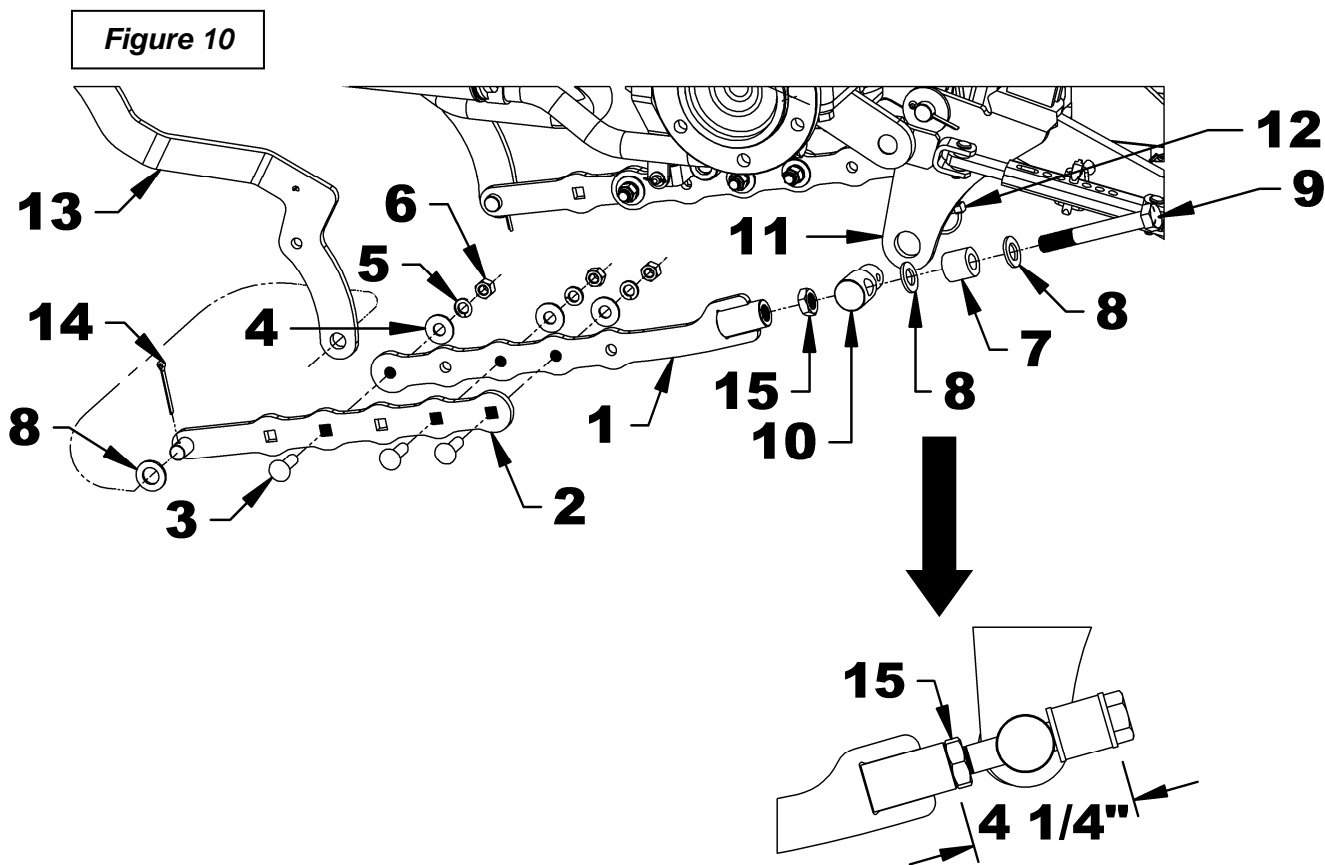
- Figure 7:** Secure the mower rear push bar (item 1) underneath the tractor transmission (item 2) with two hex bolt M12 x 1.75 x 30mm (item 3), two flatwasher 12mm (item 4) and two lockwasher 12mm (item 5).
- Figure 8:** Remove the three lower protection caps on each side of transmission casing of the tractor.
- The same caps will need to be removed on the opposite side of the tractor.**
- Figure 9:** Insert the appropriate side lifting arm (item 1) onto the appropriate side middle support (item 2) and secure in place a 1/4" round wire lockpin (item 3)
- Figure 9:** Install the side bracket (item 4) with two M14 x 40mm hex bolts and two 14mm lockwashers (item 7) to the transmission casing of the tractor.
- Figure 9:** Install the middle support (item 2) over the side bracket (item 4) and the front push bar (item 12) behind, then secure with two M14 x 60mm hex bolts (item 5) and 14mm lockwashers (item 7) and 14mm hex nuts (item 8). Install the M14 x 70mm hex bolt (item 6) and a lockwasher (item 7).



ASSEMBLY

Lifting Arms Installation (figure 10)

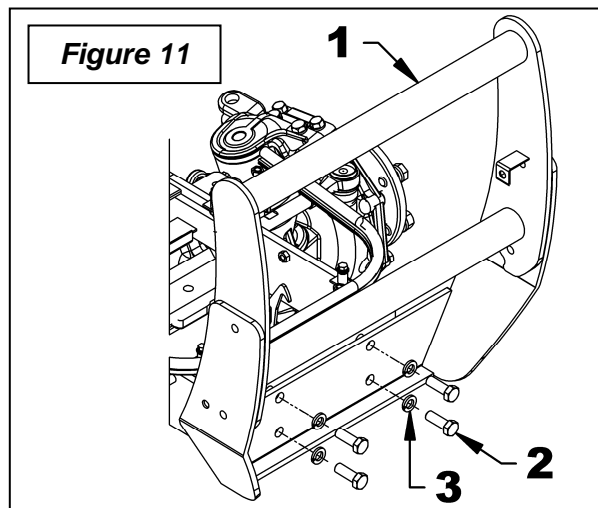
- 1. Figure 10:** Align the three last holes of the rear lifting lever (item 1) with the three last holes of the front lifting lever (item 2). Secure with three 1/2"NC x 1 3/4" carriage bolts (item 3), 1/2" flat washers (item 4), 1/2" lockwashers (item 5) and 1/2"NC nylon insert locknuts (item 6).
- 2. Figure 10** Insert a 3/4" flat washer (item 8), the urethane spring (item 7), then insert another 3/4" flat washer (item 8) and the pivot spacer (item 10) onto the 3/4"NC x 5 1/2" hex bolt (item 9).
- 3. Figure 10** Secure all the way down the jam nut 3/4"NC (item 15) on the 3/4"NC x 5 1/2" hex bolt (item 9).
- 4. Figure 10:** Then bolt all this assembly into the long thread bushing of the rear lifting lever (item 1) and adjust at the dimension as shown. Secure the jam nut 3/4"NC (item 15) with the rear lifting lever (item 1) as shown in the figure.
- 5. Figure 10:** Insert the pivot spacer (item 10) of the lifting lever assembly in the 3-point lifting pivot (item 11) and secure with a 5/16" linchpin (item 12).
- 6. Figure 10:** Insert the front lifting lever (item 2) in the lifting arm (item 13) and secure with a 3/4" flat washer (item 8) and 3/16" x 2" cotter pin (item 14).
7. Repeat the same installation on the other side.



ASSEMBLY

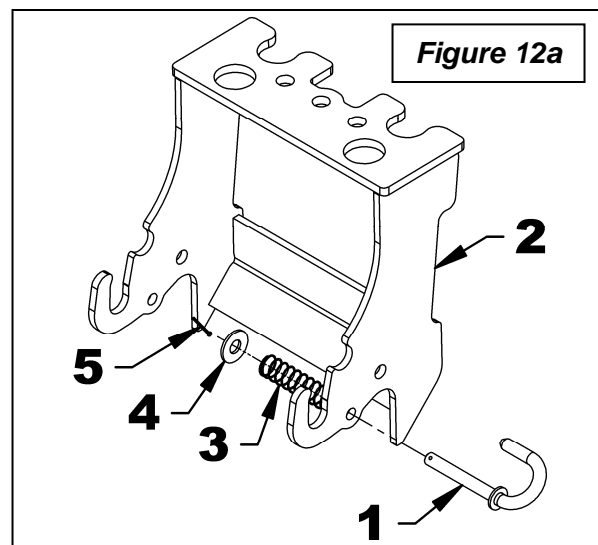
Remove Grill Guard

Figure 11: The grill guard (item 1) needs to be removed for the installation of the front support. Remove the four hex bolts (item 2) and lockwashers (item 3). The grill guard will be reinstalled with new hardware in a further step.



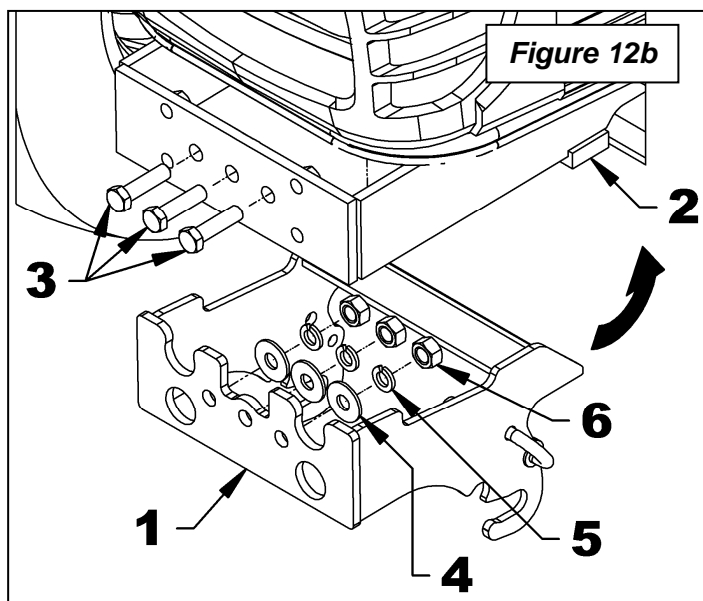
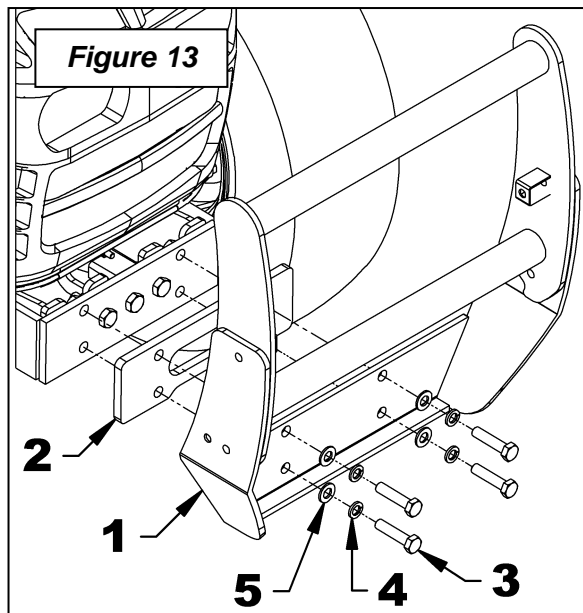
Front Supports Installation

- Figure 12a:** Insert the latch (item 1) into the front support (item 2). Insert the 4 1/2" long spring (item 3) onto the longest side of the latch (item 1), a 1/2" flat washer (item 4) and secure with a 3/32" x 1 1/4" cotter pin (item 5).
- Figure 12b:** Pivot the rear end of the front support (item 1) and insert in the tractor frame. The rear end of the front support will sit on the crossbar of the frame (item 2), pull it forward and secure with three M16 x 60mm hex bolts (item 3), 5/8" flat washers (item 4), three 16mm lockwashers (item 5) and three 16mm hex nuts (item 6).



Grill Guard Installation

Figure 13: Install the grill guard (item 1) and the 1/2" spacer plate (item 2) with four hex bolts (item 3), four lockwashers (item 4) and four flat washers (item 5).

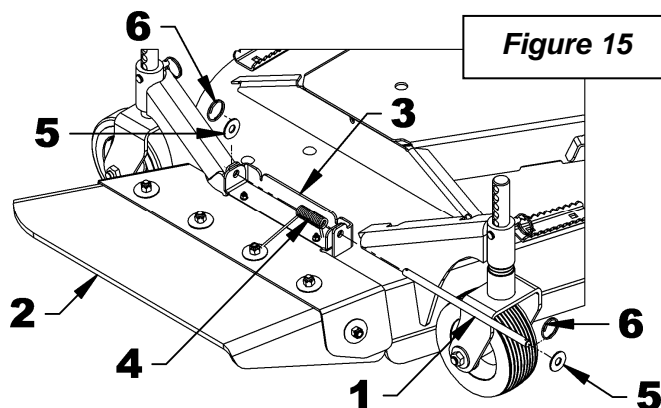
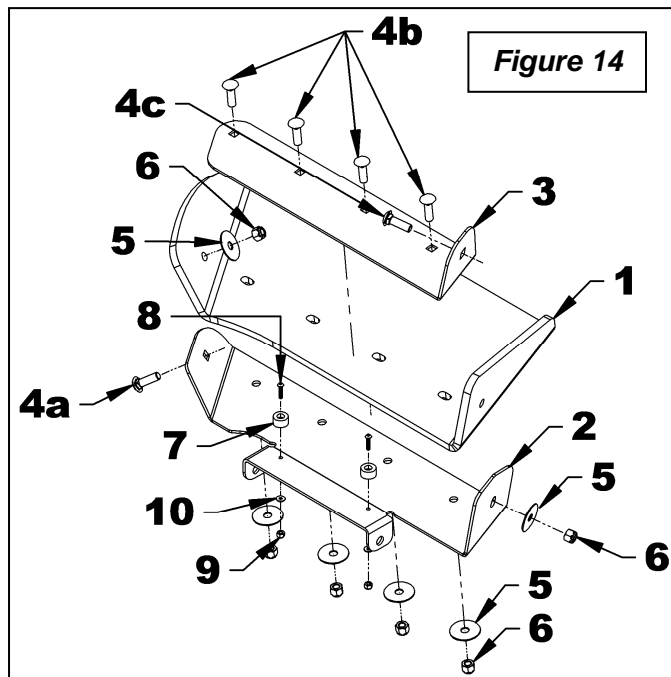


ASSEMBLY

Deflectors Installation

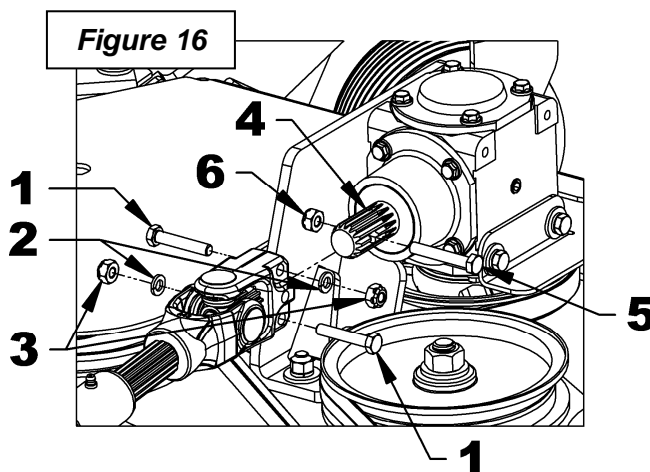
(figures 14-15)

- Figure 14:** Install the rubber deflector (item 1) between the deflector support (item 2) and the deflector reinforcement (item 3). Secure with six 3/8"NC x 1 1/4" carriage bolts (item 4), 3/8" x 1 1/2" OD flat washers (item 5) and 3/8"NC nylon insert locknuts (item 6).
- Figure 14:** Attach the rubber deflector (item 1) by installing first the 3/8"NC x 1 1/4" carriage bolt (item 4c), then the 3/8"NC x 1 1/4" carriage bolt (item 4a) and finish with the four 3/8"NC x 1 1/4" carriage bolts (item 4b).
- Figure 14:** Install two rubber bumpers (item 7) with two 8-32 x 3/4" button head cap screws (item 8), two #8 flat washer and two 8-32 nylon insert locknuts (item 9).
- Figure 15:** Install the deflector assembly (item 2) between the supports (item 3) welded on the mower frame.
- Figure 15:** Insert the $\varnothing 7/16"$ x 9 13/16" lg deflector pivot pin (item 1) through the support welded to the frame (item 3) and the deflector assembly (item 2), and a torsion spring (item 4). The longest spring rod must go on the deflector assembly and the shortest one in the notch on the support welded on the frame (item 3).
- Figure 15:** Install a 7/16" flat washer (item 5) at each end of the pin (item 1) and secure with two circle cotters (item 6).



Driveline Installation to Mower

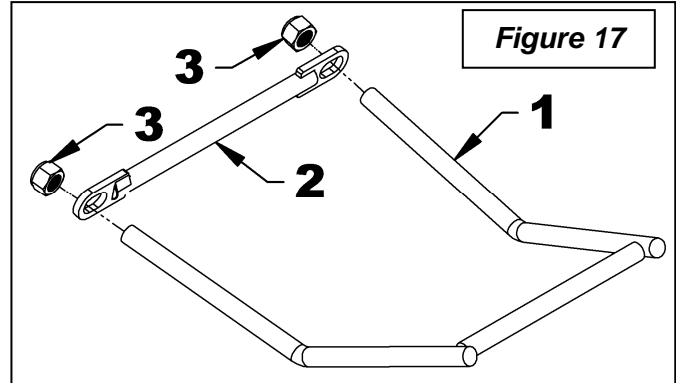
Figure 16: Insert two 5/16" x 1 3/4" hex bolt (item 1), lockwasher (item 2) and nylon insert locknut (item 3) into the two side holes of the driveline clamp yoke (item 4). Make sure to install the bolts in opposite direction like illustrated. **Do not tighten.** Attach the driveline clamp yoke (item 1) to the gearbox shaft (item 4) and secure with a 5/16" x 2" hex bolt (item 5) and a 5/16" nylon insert locknut (item 6). Tighten both hex bolts (item 1) and tighten the center hex bolt (item 5).



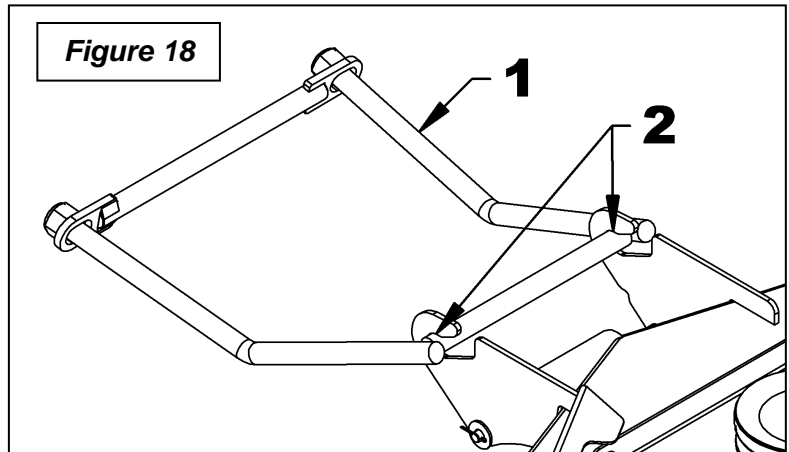
ASSEMBLY

Front Anchor Installation (figures 17-18-19)

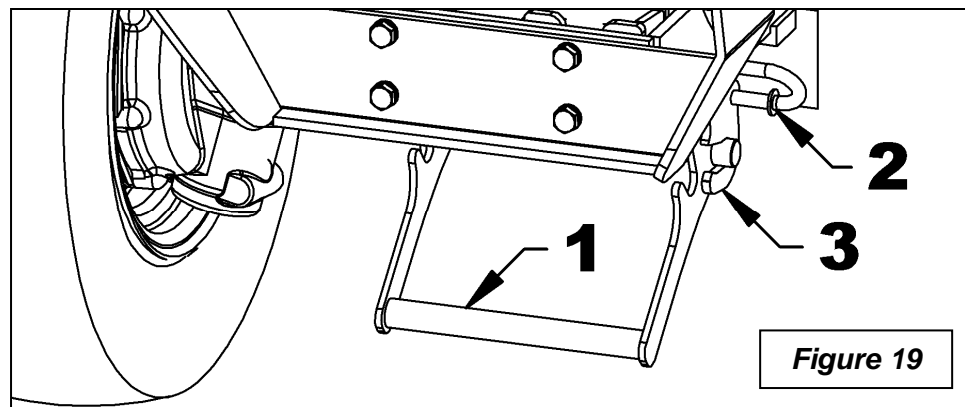
1. **Figure 17:** Attach the front "U" anchor (item 1) to the anchor rod (item 2) with two 1"NS nylon insert locknuts (item 3). Tighten slightly.



2. **Figure 18:** Install the front "U" anchor assembly (item 1) to the mower front anchors (item 2).



3. **Figure 19:** Pull and slightly turn the latch (item 2). Insert the anchor lever (item 1) into the front supports (item 3). Raise the anchor lever (item 1) and lock it using the latch (item 2).



ASSEMBLY

Roll Over Step (figures 20A-20B-20C)

IMPORTANT: Adjust the wheels to the lower cutting height before climbing the mower.

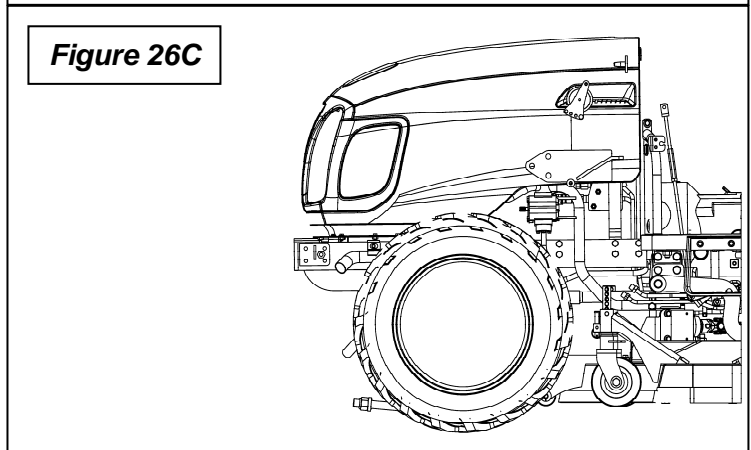
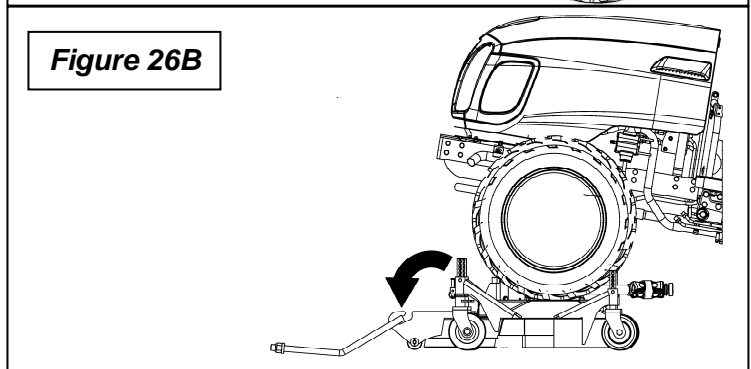
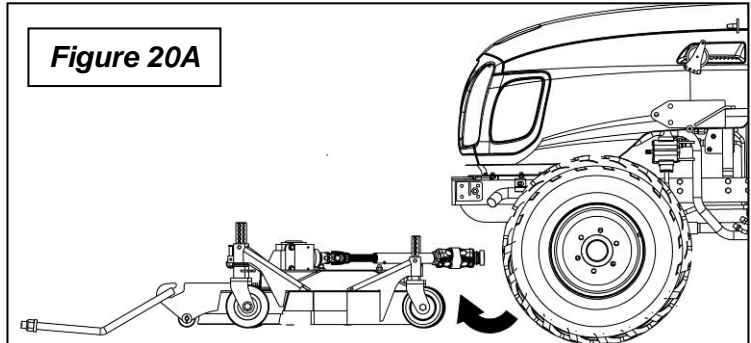
1. **Figure 20A:** Start the tractor engine and slowly advance toward the mower, as much perpendicular as possible. Align the tractor front wheels with the grip welded over the top mower deck.

It is important that the tractor is on four wheel drive mode.

2. **Figure 20B:** After climbing over the grip, slowly continue advancing and climb on the belt guards. Keep a constant speed and get down the mower.

The mower must be relatively centered between the tractor wheels.

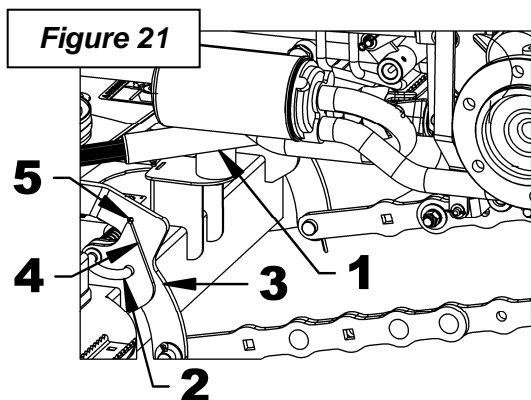
3. **Figure 20C:** Stop the tractor engine, set parking brake and remove the ignition key.



ASSEMBLY

Installation of the Lifting Arms and Driveline to Tractor (figure 21)

1. **Figure 21:** Connect the driveline (item 1) to the tractor mid-PTO.
2. Lower the tractor 3-point hitch to maximum.
3. **Figure 21:** Pull out the latch (item 2) until it completely goes out of the hole and rotate it slightly until the end rests against the plate (item 4).
4. **Figure 21:** Insert the lifting arm (item 3) between the two plates (item 4), rotate the latch (item 2) until it enters the plates (item 4) and the holes of the lifting arm (item 3). Align the marks (item 5) on the lifting arm with the tip of the plate (item 4) to help for the connection.
5. Repeat the same installation on the other lifting arm.



CAUTION:

To avoid serious personal injuries: Make sure that the driveline quick coupler is securely locked in place. A "click" must be heard. If it is not securely fastened, it will come off the spindle shaft and spin out of control.

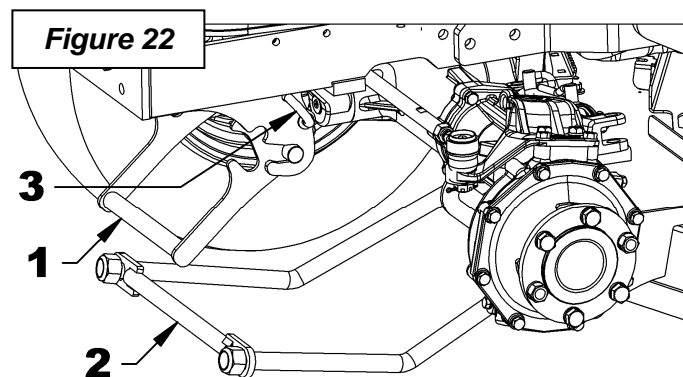


WARNING:

To avoid serious personal injuries: This shaft turns at very high RPM. If the collar is not locked to the shaft at tractor end, or if the yoke at the mower end is not secured properly, the driveline can fly loose with great force capable of causing serious injury or death.

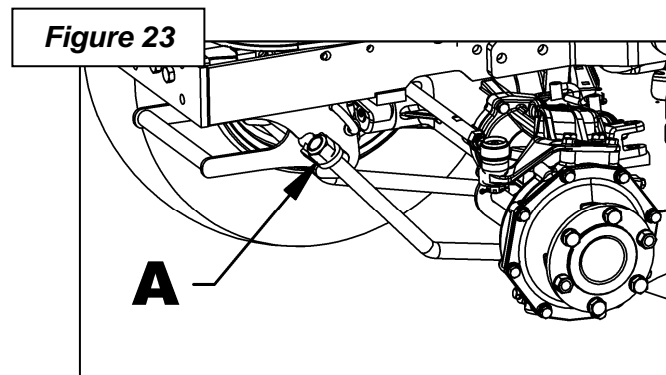
Front Anchor Rod Installation (figure 22)

1. **Figure 22:** Pull out the latch (item 3) until it completely goes out of the hole and rotate it slightly until the end is against the plate.
2. **Figure 22:** Lower the anchor lever (item 1). Raise the anchor rod (item 2) and hook it to the anchor lever (item 1). Raise it completely to lock it.
3. **Figure 22:** Pull the latch (item 3) and rotate it slightly until it completely goes into the hole and locks the anchor lever (item 1) in place.



Locking Positioning (figures 23)

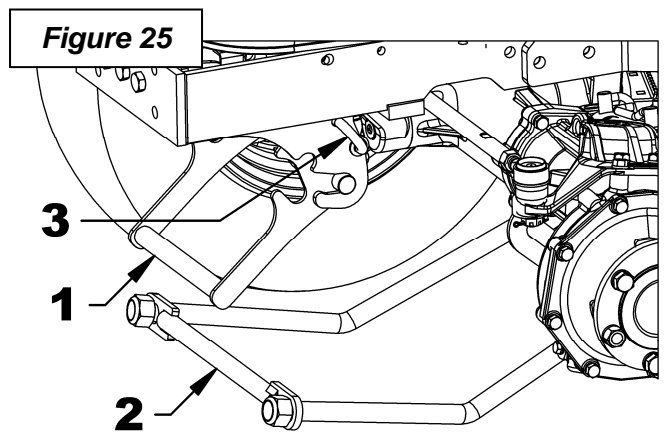
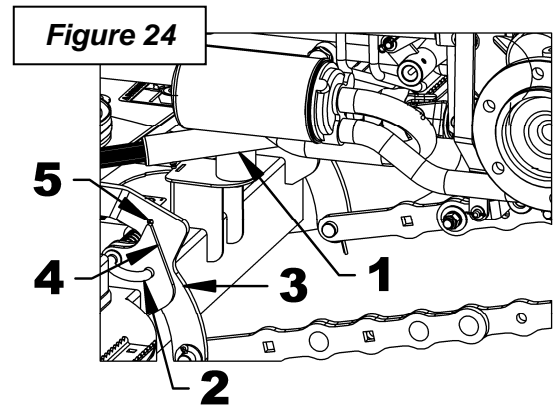
1. **Figure 23:** Tighten simultaneously the two 1" NS nylon insert locknuts (item A) to take only the play between the front "U" anchor and the mower.
A too big tight will block the anchor lever and will make it difficult for the uninstallation and future mower installation.
2. **Figure 23:** Remove the latch and check that it may be easily disengaged. If you must force to disengage, untighten the 1" NS nylon insert locknuts.



ASSEMBLY

Removing Mower from Tractor (figures 24-25)

1. **Figure 24:** Lower the tractor 3-point hitch to maximum.
2. **Figure 24:** Disconnect the driveline (item 4) from the PTO under the tractor. Lay it down relatively on the middle of the mower, away from the tractor wheels.
3. **Figure 24:** Pull out the latch (item 1) until it completely goes out of the hole and rotate it slightly until the end is against the plate (item 3).
4. **Figure 24:** Remove the lifting arm (item 2) from the two plates (item 3).
5. **Figure 24:** Rotate the latch (item 1) until it enters the plates hole (item 3).
6. Repeat the same installation on the other lifting arm.
7. **Figure 25:** Pull out the latch (item 3) until it completely goes out of the hole and rotate it slightly until the end is against the plate. Lower the anchor lever (item 1) and free the anchor rod (item 2).
8. **Figure 25:** Raise the anchor lever (item 1) and lock it with the latch.

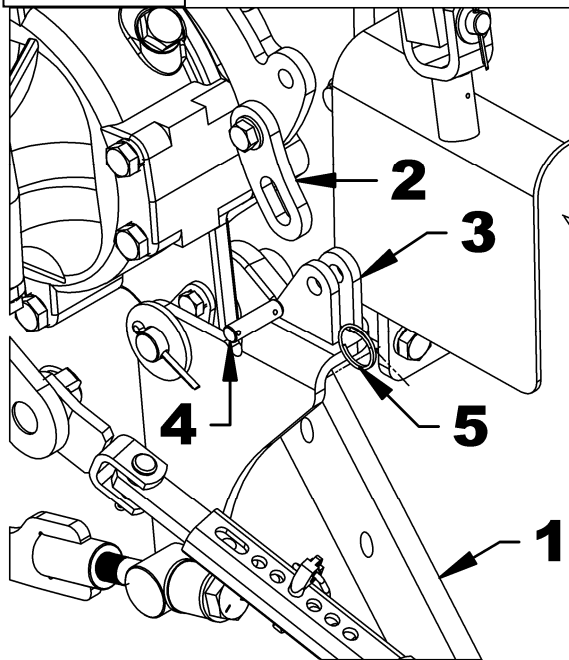


OPERATION

GENERAL PREPARATION

1. Read the operator's manual carefully before using the tractor and mower. Be thoroughly familiar with the controls and proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
2. Make sure the mower is clear of any material before engaging the mower.
3. Make sure the blades operate freely.
4. Before engaging the mower drive, always have the engine running at idle.
5. Operate the mower at maximum engine RPM.

Figure 26



OPERATING CONTROLS

Engine Speed

1. Start the tractor engine. Let the engine warm up at least one minute before engaging the drive mechanism then increase speed gradually.
2. Make sure the mower deflector is properly positioned and engage the drive mechanism.
3. Adjust the ground speed according to conditions. For maximum power, run engine at or near full throttle.

Up and Down Control

Refer to the tractor and/or subframe operator's manual(s) for detailed hydraulic operation.

Engaging the Drive Mechanism

Refer to the tractor's operating manual for instructions.

Transport Locking (figure 26)

The Transport Locking is to allow the use of the rear 3-point hitch without having the mower arms moving. It is also possible using this device when the mower is installed under the tractor and that you need the 3-point hitch for another application.

1. Raise the mower to maximum, set parking brake and remove the ignition key.
2. Unhook the connecting link (item 2) of the transport bracket. Remove the circle cotter (item 5) and the 1/2" x 1 27/64" pin (item 4). Insert into the slot of the connecting link (item 2) between the 3-point lifting pivot plates (item 3) and secure the chain with the 1/2" x 1 27/64" pin (item 4) and the circle cotter (item 5). Repeat the same operation on the other side.

MAINTENANCE

MAINTENANCE

ALWAYS USE GENUINE PARTS WHEN REPLACEMENT PARTS ARE REQUIRED



WARNING

To avoid serious personal injury:

- Before cleaning, adjusting or repairing the mower: bring the tractor to a complete stop, lower the implement shut off the engine and remove the ignition key.
- Never park the tractor inside a building where an open flame or sparks are present. Allow the engine to cool down before storing in any enclosure.
- Provide adequate blocking before working under the mower when in raised position.

Sharpening and Balance of blades (figures 27-28)

IMPORTANT: It is important to wear protective glasses and gloves when you manipulate the mower blades.

1. **Figure 27:** Sharpen the blades with an angle grinder, a file or an electric grinder. It is important to keep the **A** angle when you sharpen the blades. The edge of the sharp section of the blade must be of 1/64" (0.40mm) or less.
2. **BLADE BALANCING Figure 28:** After sharpening the blades, it is important to check they are still well balanced.
3. Clean up the blade from all debris attached to the blade, that cause imbalance.
4. **Figure 28:** Tighten a nail or a rod horizontally in a vice. Lay down the blade over the horizontal nail or rod. If the blade is not balanced, the heaviest section will go down.
5. **Figure 28:** Grind the **A** section to the heavier side. **IT IS IMPORTANT TO NOT MODIFY THE ANGLE.**
6. Repeat the balancing steps until the blade stays in horizontal position.

Figure 27

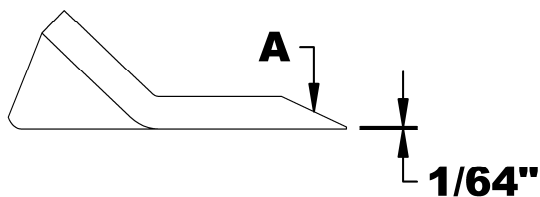
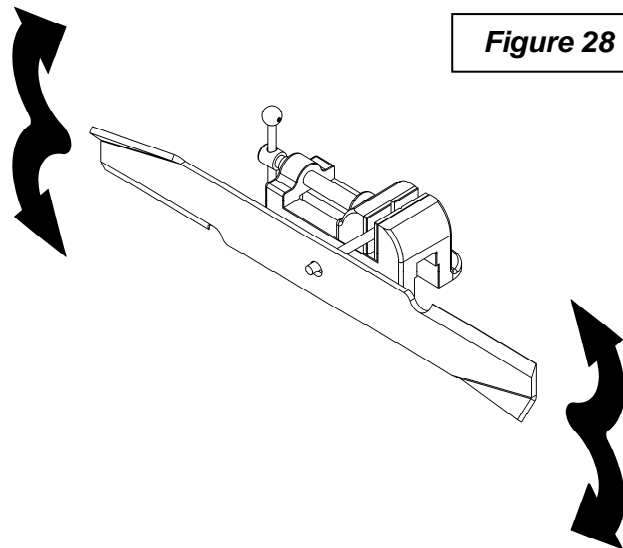


Figure 28



MAINTENANCE

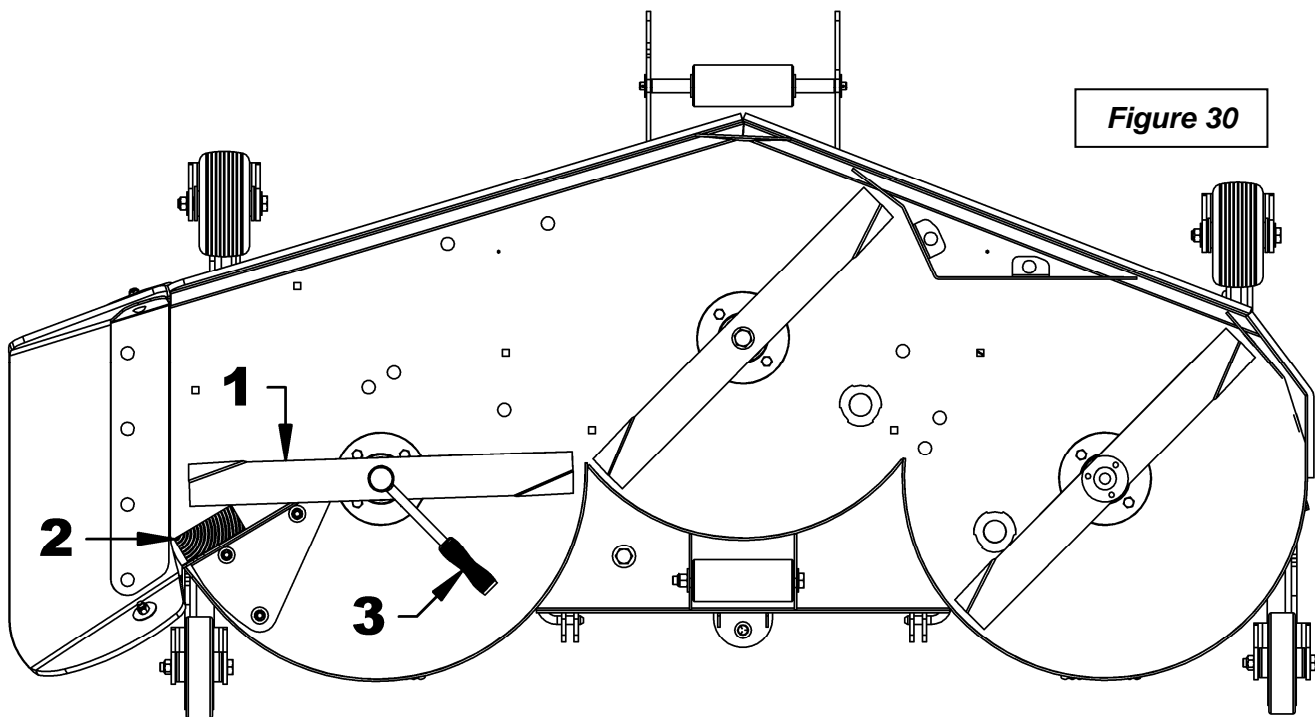
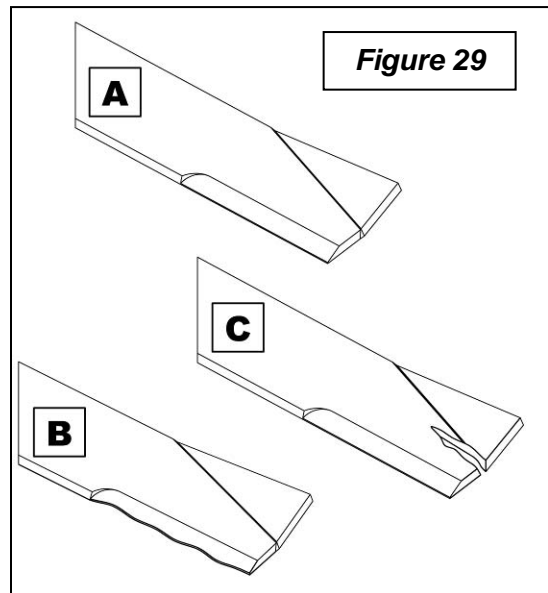
Blade Replacement

(figures 29-30)

1. **BLADE INSPECTION** **Figure 29:** The edge of the blades must always be kept sharp as shown on figure 22-**A**. Grind the sharp edges if they look as shown on figure 22-**B**. Replace the blades if they look as shown on figure 22-**C**.
2. **BLADE REPLACEMENT** **Figure 30:** Remove the mower from the tractor according to the uninstallation step. Turn over the mower to reach the blades.
3. **Figure 30:** Place a wooden block (item 2) between the blade (item 1) and the mower frame to block the spindle from rotating during the removing of the blade bolts. Move the wooden block with each blade removing.

NOTE: You do not need the wooden block for the installation of the blades.

IMPORTANT: Use good size wrench (item 3) to untighten or tighten the mounting screw of the blades. The hex bolt needs to be torqued at 100 lbs/pi or 135 N m.



MAINTENANCE

Belt Replacement (figures 31-31a-31b)

1. **Figure 31:** Untighten the wing nut and pivot the latch (item 1) lift the left and/or right belt guards (item 2 and 3) at an angle of 15° and pull them backward. Put them aside for a future reinstallation.
2. **Figure 31:** Remove the 3/8" hex nut (item 5) untighten the 3/8"NC nylon insert locknut (item 6) to release the spring (item 4).
3. **Figure 31:** Remove the belt idler spring (item 4).
4. Replace the belt, by routing it through the pulleys as shown on **Figure 31b**.
5. Do the reverse step for reinstallation.
6. The spring must be at 8 5/8" between the hooks as shown in **Figure 31b**.
7. According to the belt supplier use a belt tension gauge **Figure 31a**. Apply between 12.3 and 13.1 pound of force for a deflection of .68" (11/16") on the longest section of a new belt. (between the right and left spindle).
8. **Figure 31:** If the tension is not as recommended, untighten the 3/8" hex nut (item 5), slightly tighten the 3/8" nylon insert locknut (item 6) every 1/8" check the tension with the tension gauge. The length of the spring (item 4) for a new belt should be around 8 5/8" between the hooks. Tighten the 3/8" hex nut (item 5)



Figure 31a

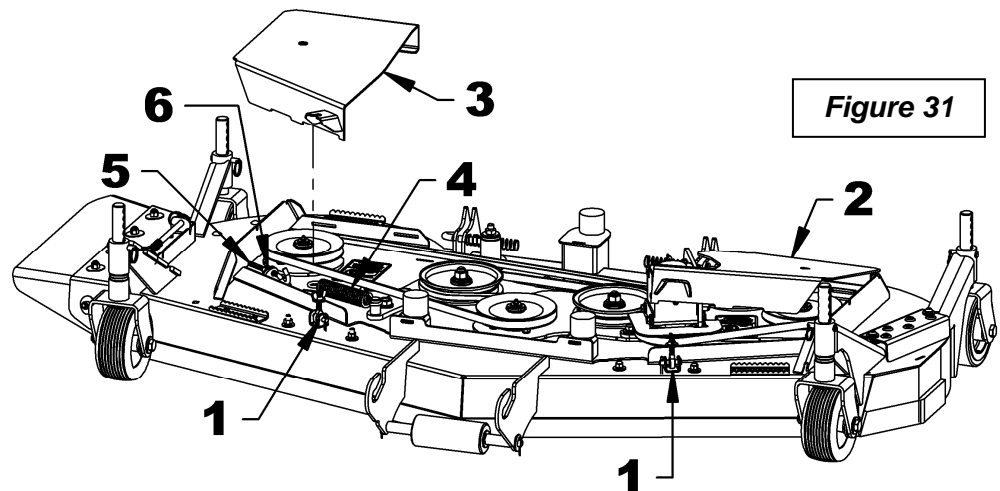


Figure 31

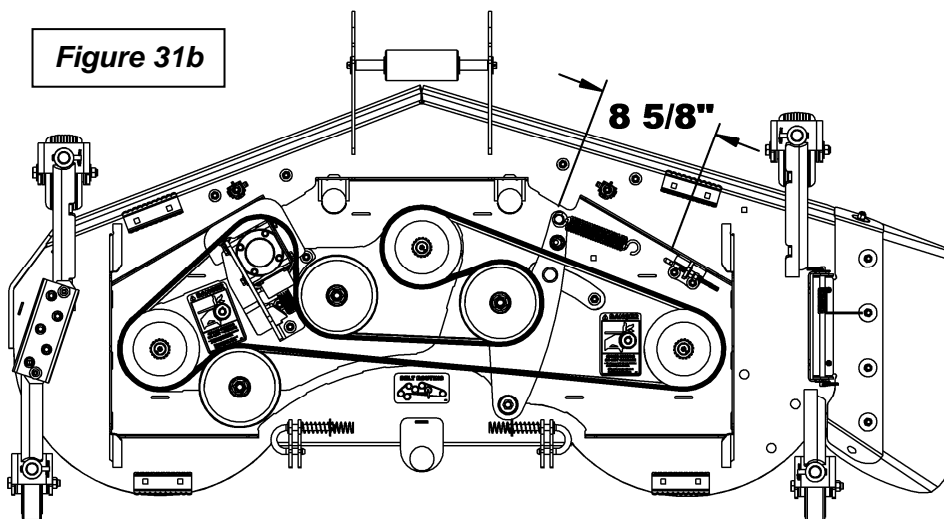


Figure 31b

MAINTENANCE

ADJUSTMENTS



WARNING

To avoid serious personal injury:

Make sure tractor engine and mower come to a complete stop and tractor drive mechanism is disengaged **BEFORE** making any adjustments.

Belt Adjustment (figures 32-32a-32b)

1. According to the belt supplier the belt tension will need to be check after 24 and 48 hours of utilisation.
2. **Figure 32:** Unhook the rubber latch (item 1) lift the left and/or right belt guard (items 2-3) at an angle of 15° and pull them backward. Put them aside for a future reinstallation.
3. According to the belt supplier use a belt tension gauge **Figure 32a**. Apply between 10.9 and 11.6 pound of force for a deflection of .68" (11/16") on the longest section of the belt. (between the right and left spindle).
4. **Figure 32:** If the tension of the belt is not as recommended, untighten the 3/8" hex nut (item 5), tighten the 3/8" nylon insert locknut (item 6). The length of the spring (item 4) should not exceed 9 1/2" between the hooks **Figure 32b**. Tighten the 3/8" hex nut (item 5).
5. **Figure 32:** Reinstalled the right and/or left guard (items 2-3) and hook the rubber latch (item 1).

Figure 32a



Figure 32b

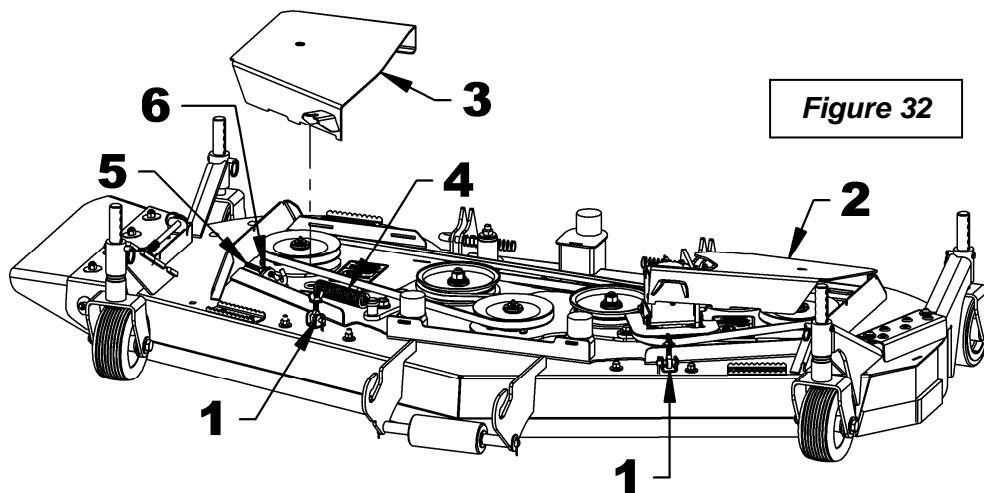
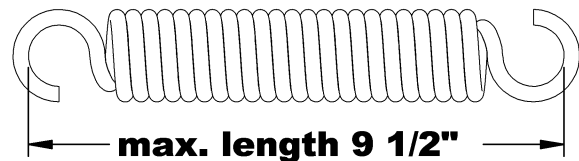


Figure 32

MAINTENANCE

Cutting Height Adjustment (figure 33)

1. To adjust the mower cutting height, raise the mower to maximum.
2. **Figure 33:** Remove the circle cotter (item 2) and the $\frac{3}{8}$ " x $2\frac{1}{4}$ " pin (item 1). Adjust front wheel (item 3) to the desired height. Reinstall the pin and secure with the circle cotter (item 2).
3. **Figure 33:** Repeat the same steps for the three others front and rear wheels (items 3-4).

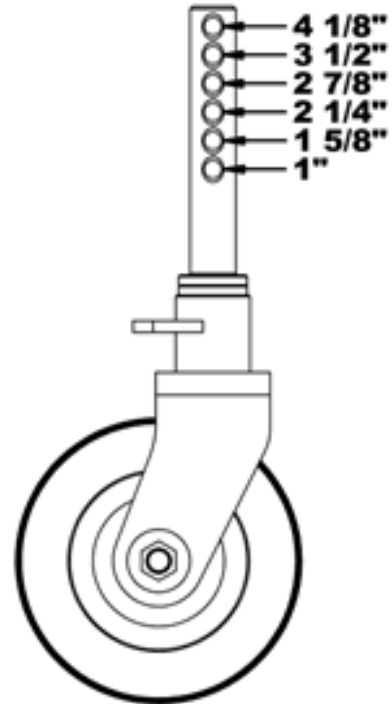
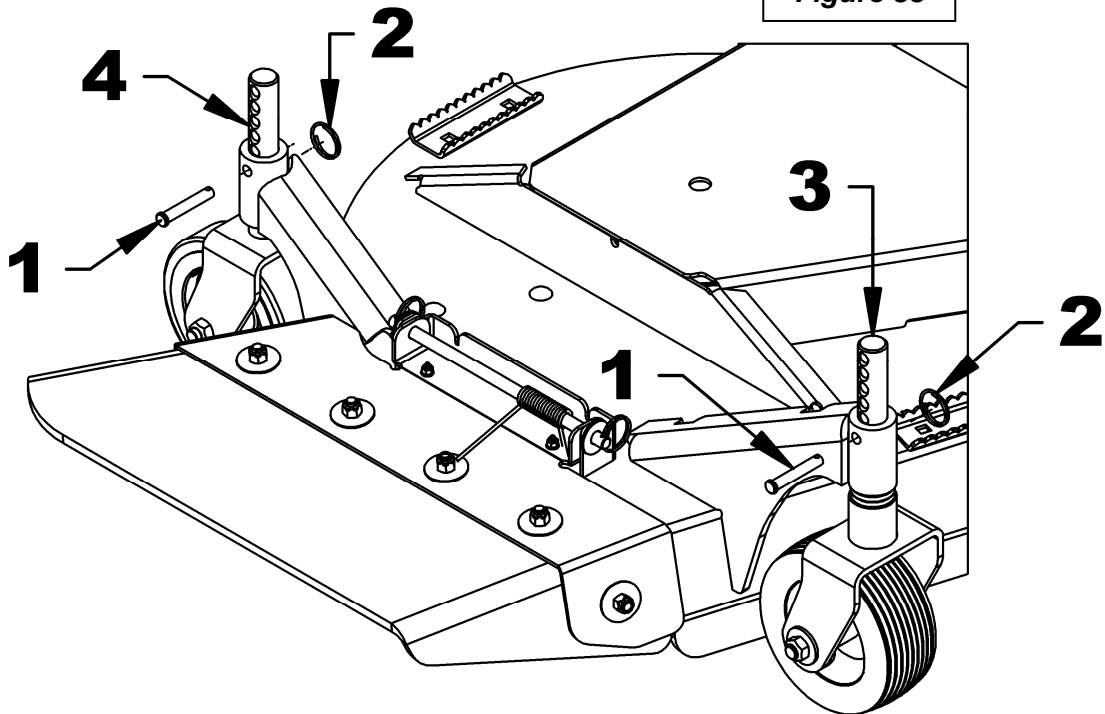


Figure 33

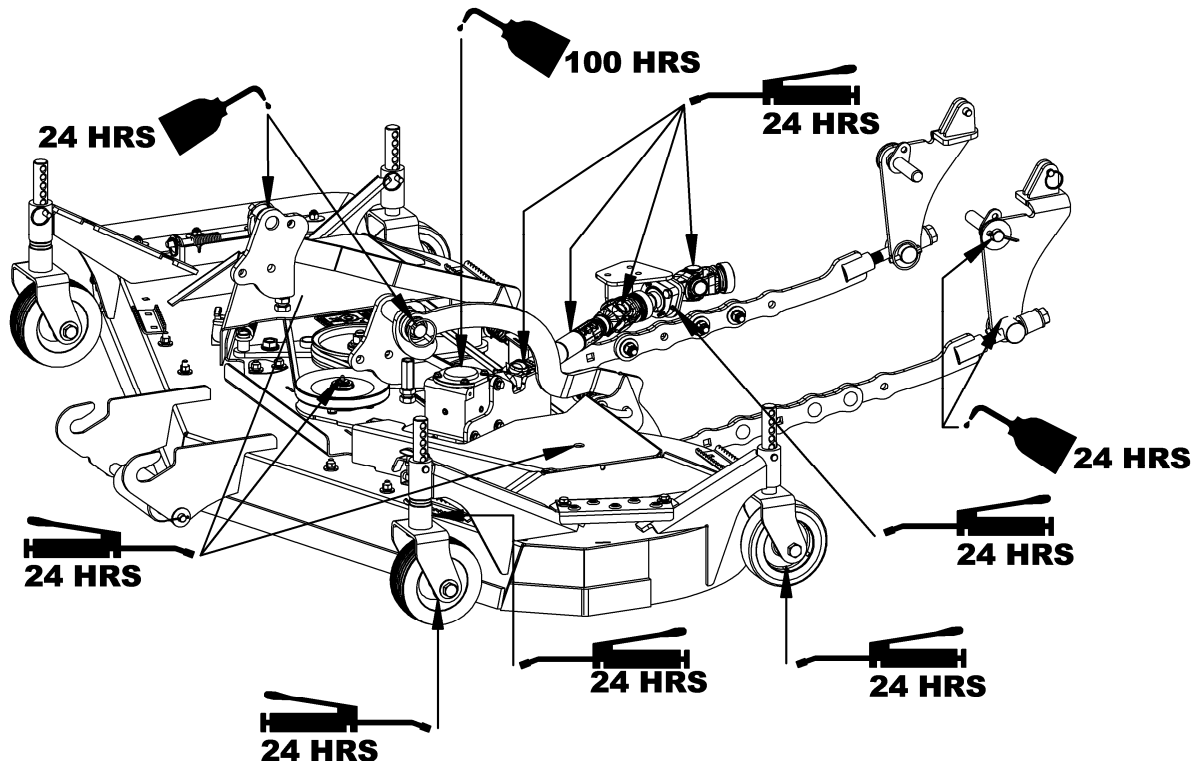


MAINTENANCE

LUBRICATION

Use a good grease gun and lubricate as follows:

INTERVAL	SERVICE REQUIRED
4 hours	If operating in dry conditions, clean debris from mower *Lubricate the CV ball with a quality lithium soap compatible E.P. grease meeting the N.L.G.I. #2 specification and containing no more than 1% molybdenum disulfide (5 lever action pumps)
24 hours	Lubricate spindles, driveshaft, bearing, wheels, front wheel pivot, mower lift kit Inspect mower blades and belt
40 hours	*Lubricate the cross and bearings (5 lever action pumps) and telescoping member (8-10 lever action pumps) with a quality lithium soap compatible E.P. grease meeting the N.L.G.I. #2 specification and containing no more than 1% molybdenum disulfide
100 hours	Check gearbox oil level - If necessary, add ISO EP150 Gear oil or equivalent Wash mower Inspect rollers and wheels
500 hours or each 2 year whichever comes first	Change gearbox oil with ISO EP150 Gear oil or equivalent.



MAINTENANCE

TROUBLESHOOTING

⚠ WARNING: Several corrective measures present a certain risk, which may cause serious injuries or death.

Only a qualified person, familiar with the risks associated with hydraulics, electricity and machinery should perform the repairs. Review the safety precautions at the beginning of this manual.

The following chart serves as a guide in case of a malfunction. If the problem is not solved after taking the appropriate corrective measure, contact your dealer.

⚠ WARNING: Hot engine parts and hydraulic oil can cause serious burns. Always let the engine cool before proceeding with repairs or maintenance.

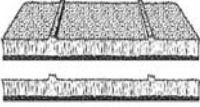
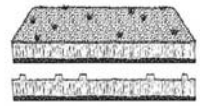
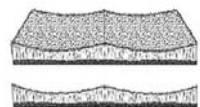
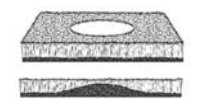
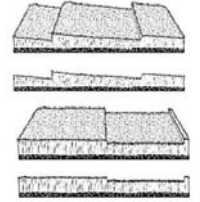
IMPORTANT: The oil temperature must never go above 65°C (149°F) to avoid damages to the hydraulic components.

PROBLEM	CAUSE	CORRECTIVE MEASURE
1. Obstructed discharge	<ul style="list-style-type: none"> • Grass too wet • Grass too long • Cutting height too low • Engine speed too low • Moving speed too fast 	<ul style="list-style-type: none"> • Wait for grass to get dry • Raise the cutting height and mow twice • Raise the cutting height • Mow to maximum speed • Slow down
2. Strips of uncut grass	<ul style="list-style-type: none"> • Moving speed too fast • Engine speed too low • Grass too long • Blunt or damaged blades • Debris in the mower frame 	<ul style="list-style-type: none"> • Slow down • Mow at full speed, check and adjust the engine speed • Cut the grass twice • Replace or grind the blades • Clean up the mower frame
3. Irregular cut	<ul style="list-style-type: none"> • Mower frame not levelled • Moving speed too fast • Blunt blades • Worn out blades • Inadequate tire inflation • Anti-scalp rollers not adjusted 	<ul style="list-style-type: none"> • Level the mower frame • Slow down • Grind the blades • Replace the blades • Inflate to the specified pressure • Adjust the anti-scalp rollers

MAINTENANCE

PROBLEM	CAUSE	CORRECTIVE MEASURE
4. Blades tear the grass	<ul style="list-style-type: none"> • Cutting height too low • Swing speed too fast • Bumps in field • Hilly ground or irregular • Anti-scalp rollers not adjusted • Twisted blades 	<ul style="list-style-type: none"> • Raise the cutting height • Reduce the swing speed • Change mowing layout • Adjust the anti-scalp rollers • Adjust the anti-scalp rolls • Replace blade
5. Belt slipping	<ul style="list-style-type: none"> • Obstructed mower frame • • Debris in the pulleys • Worn out belt 	<ul style="list-style-type: none"> • Unblock and clean up the mower frame • Clean up pulleys • Replace belt
6. Excessive vibration	<ul style="list-style-type: none"> • Debris over the mower frame or in the pulleys • Damaged belt • Damaged pulleys • Pulleys not aligned • Unbalanced blades 	<ul style="list-style-type: none"> • Clean up the mower frame and the pulleys • Replace belt • Replace pulleys • See your dealer • Balance the blades
7. Mower loads the machine too much	<ul style="list-style-type: none"> • Engine speed too low • • Moving speed too fast • Debris wrapped around the mower spindles 	<ul style="list-style-type: none"> • Mow at full speed, check and adjust the engine speed • Slow down • • Clean up the mower

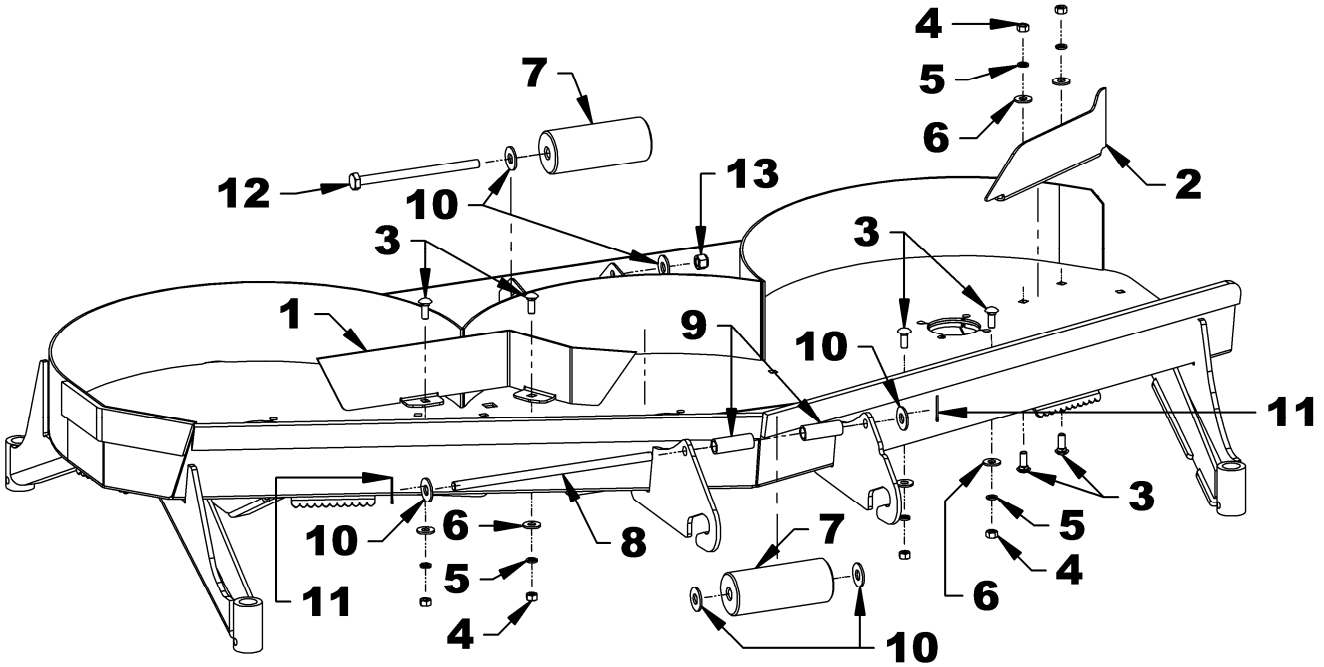
MAINTENANCE

PROBLEM	CAUSE	CORRECTIVE MEASURE
8. STREAKING Thin strips of uncut grass are left behind the mower. Streaking is usually caused by operator error or poor blade maintenance		
	<ul style="list-style-type: none"> • Blades are not sharp. • Blades are worn down too far. • Engine speed is too slow. • Ground speed is too fast. • Deck is plugged with grass. • Not overlapping cutting rows enough. • Not overlapping enough when turning. 	<ul style="list-style-type: none"> • Sharpen your blades. • Replace your blades. • Always mow at rated PTO engine speed. • Slow down. • Clean out the mower. • Overlap your cutting rows. • When turning your effective cutting width decreases - overlap more when turning.
9. STINGERS Stingers are sparse patches of uncut grass left behind the mower. Stingers are usually caused by operator error or poor blade maintenance		
	<ul style="list-style-type: none"> • Blades are not sharp or are nicked. • Blades are worn down too far. • Engine speed is too slow. • Ground speed is too fast. • Deck is plugged with grass. 	<ul style="list-style-type: none"> • Sharpen your blades. • Replace your blades. • Always mow at rated PTO engine speed. • Slow down. • Clean out the mower
10. UNEVEN CUTTING Uneven cutting is waviness or smooth troughs in the lawn surface. Uneven cutting is usually caused by mower deck damage or mis-adjustment.		
	<ul style="list-style-type: none"> • Deck is not leveled correctly. • Blades are dull or worn. • Blades are damaged. • Deck is clogged with grass clippings. • Deck shell is damaged. • Mower spindle is bent or loosed. • Blades are installed incorrectly. 	<ul style="list-style-type: none"> • Level the deck correctly. • Sharpen or replace the blades. • Replace the blades. • Clean out the deck. • Repair or replace the deck. • Repair or replace the spindle. • Reinstall the blades correctly.
11. SCALPING Scalping is when the mower deck comes close to or hits the ground. Scalping can be caused by the mower deck misadjustment, unevenness in the lawn, or by mower deck bouncing because the ground speed is too fast.		
	<ul style="list-style-type: none"> • Lawn is uneven or bumpy. • Mower deck cutting height is set too low. • Ground speed is too fast. • Deck is not leveled correctly. • Tire pressure is low or uneven. 	<ul style="list-style-type: none"> • Roll or level the lawn. • Raise the cutting height. • Check and inflate the tires. • Correctly level the deck. • Check and inflate the tires.
12. STEEPED CUTTING Stepped cutting is sharp ridges or uneven levels left in the lawn surface. Stepped cutting is usually caused by mower deck damage or misadjustment, or damage to mower blades.		
	<ul style="list-style-type: none"> • Deck is not leveled correctly. • Tire are not properly inflated. • Blades are damaged. Blades are damaged. • Deck shell is damaged. • Mower spindle is bent or loosed. • Blades are installed incorrectly. 	<ul style="list-style-type: none"> • Level the deck correctly. • Check and inflate the tires. • Replace the blades. Replace the blades. • Repair or replace the deck. • Repair or replace the spindle. • Reinstall the blades correctly.

PARTS

UNDER PART OF MOWER FRAME

REF.	DESCRIPTION	QTY	PART#
1	Under ejection deflector	1	BER672097
2	Ejection deflector	1	BER672171
3	Carriage bolt 3/8"NC x 1" lg PTD	6	BER0300008
4	Nut hex 3/8"NC PTD	6	BER0900003
5	Lockwasher 3/8" PTD	6	BER1200004
6	Flat washer 3/8" (7/16" int) PTD	6	BER1400004
7	Anti-scalp roller 2 1/2" x 6" - 9/16" hole	2	BER3800075
8	Roll pivot pin 1/2" x 12 5/16" lg PTD	1	BER669914
9	Spacer bushing PTD	2	BER669916
10	Flat washer 1/2" (9/16" int) PTD	6	BER1400006
11	Cotter pin 3/32" x 3/4" lg	2	BER1500003
12	Bolt hex 1/2"NC x 7 1/2" lg PTD	1	BER0100085
13	Nylon insert locknut 1/2"NC PTD	1	BER1000011

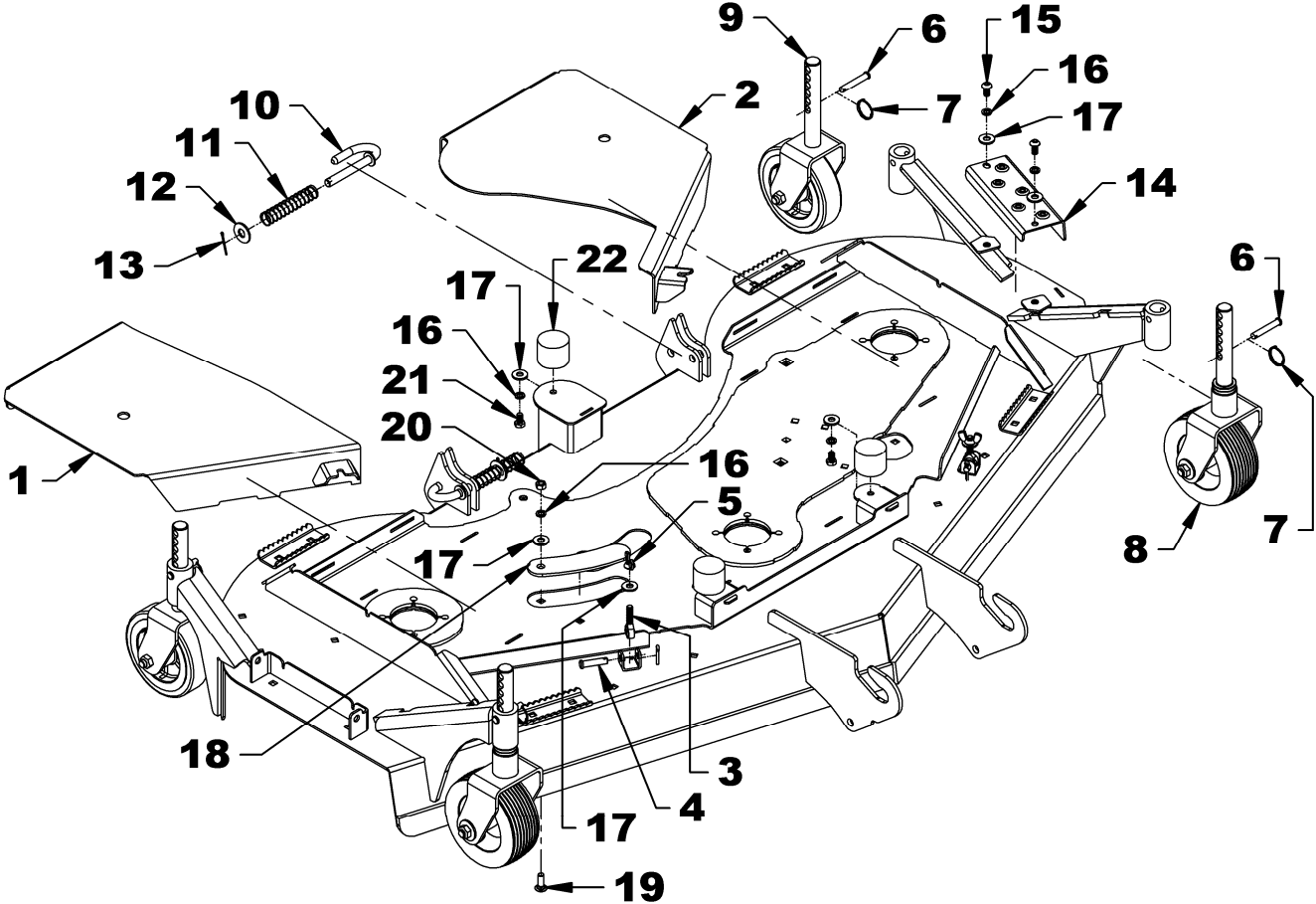


PARTS

UPPER PART OF MOWER FRAME			
REF.	DESCRIPTION	QTY	PART#
1	Right belt guard	1	BER672705
2	Left belt guard	1	BER672706
3	Joint with threaded rod 3/8"NF	2	BER4600071
4	Pin 3/8" x 1 5/8" lg PTD	2	BER4600039
5	Wing nut 3/8"NF PTD	2	BER1100038
6	Pin 3/8" x 2 1/4" lg PTD	4	BER4600059
7	Circle Cotter 1 1/8" x 0.072"dia. wire	4	BER1900010
8	Front wheel 6 1/4" x 3" assembly	2	BER672069
9	Rear wheel 6" x 2" assembly	2	BER671083
10	Latch	2	BER669894
11	Compression spring 0.906" x 4 1/4" x 0.050" wire	2	BER2200024
12	Flat washer 1/2" (9/16" int) PTD	2	BER1400006
13	Cotter pin 3/32" x 1 1/4" lg PTD	2	BER1500003
14	Footstep	1	BER672147
15	Button head cap screw 3/8"NC x 3/4" Gr.5, PTD	2	BER0800064
16	Lockwasher 3/8" PTD	6	BER1200004
17	Flat washer 3/8" (7/16" int) PTD	6	BER1400004
18	Plastic wear plate	1	BER672714
19	Carriage bolt 3/8"NC x 1" PTD	1	BER0300008
20	Hex bolt 3/8"NC PTD	1	BER0900003
21	Hex bolt ø3/8"NC x 5/8" Gr.5 PTD	3	BER0100276
22	Rubber stopper ø2" x 1.614"	3	BER2200055

PARTS

UPPER PART OF MOWER FRAME

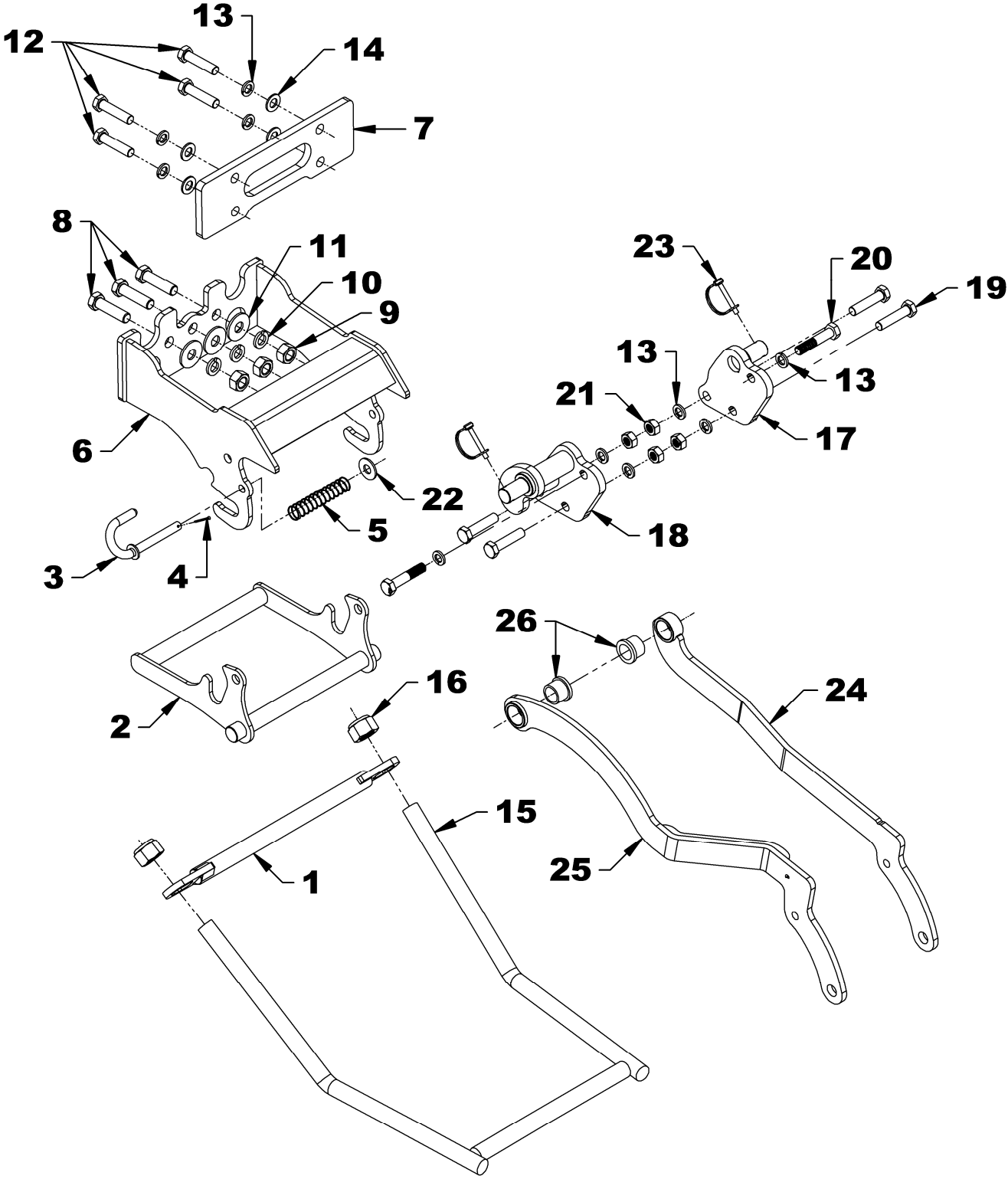


PARTS

FRONT HITCH COMPONENTS			
REF.	DESCRIPTION	QTY	PART#
1	Front anchor rod	1	BER669991
2	Anchor lever	1	BER672087
3	Latch	1	BER669894
4	Cotter pin 3/32" x 1 1/4"	1	BER1500003
5	Compression spring \varnothing .906"OD x 4 1/4" x 0.050" wire	1	BER2200024
6	Front support	1	BER 672086
7	Spacer plate	1	BER672113
8	Hex bolt M16 x 2.00 x 60mm Gr.10.9 PTD	3	BER0200137
9	Hex nut M16 x 2.00 PTD	3	BER0900051
10	Lockwasher 16mm, PTD	3	BER1200021
11	Flat washer 5/8" (11/16" int) PTD	3	BER1400008
12	Hex bolt M14 x 1.50 x 60mm PTD	4	BER0200043
13	Lockwasher 14mm, PTD	10	BER1200014
14	Flat washer 14mm (15mm int) PTD	4	BER1400024
15	Front anchor, "U"	1	BER669982
16	Nylon insert locknut 1" - 14NS PTD	2	BER1000016
17	Right middle support	1	BER672708
18	Left middle support	1	BER672709
19	Hex bolt M14 x 2.00 x 60mm Gr.10.9 PTD	4	BER0200141
20	Hex bolt M14 x 2.00 x 70mm Gr.10.9 PTD	2	BER0200150
21	Hex nut 14 x 2.0mm PTD	4	BER0900055
22	Flat washer 1/2" PTD	1	BER1400006
23	Round wire lockpin 1/4" PTD	2	BER1900006
24	Right lifting arm and bushing	1	BER672100
25	Left lifting arm and bushing	1	BER672710
26	Bushing	2	BER4300099

PARTS

FRONT HITCH COMPONENTS

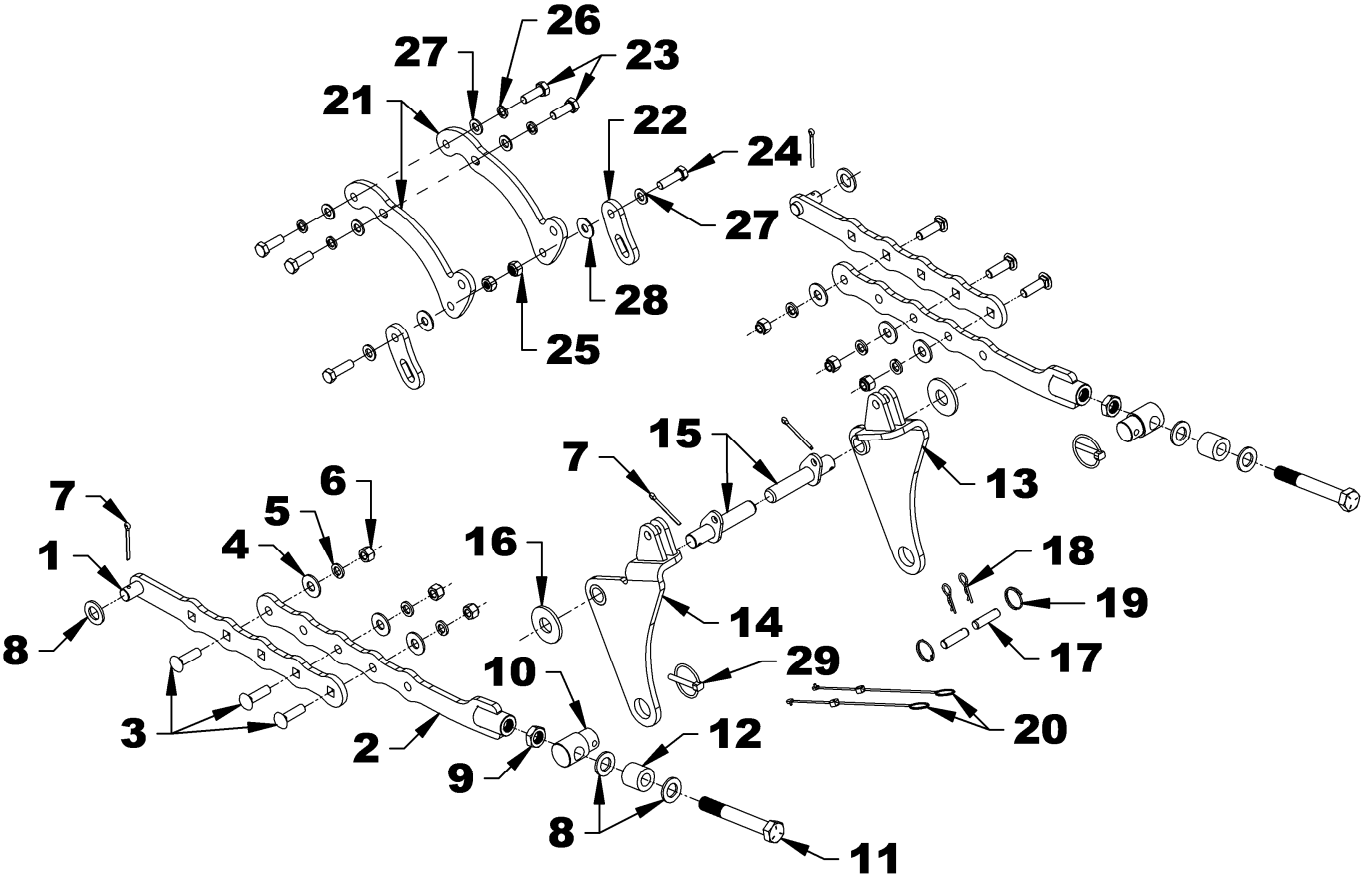


PARTS

REAR HITCH COMPONENTS			
REF.	DESCRIPTION	QTY	PART#
1	Front lifting lever	2	BER672106
2	Rear lifting lever	2	BER672107
3	Carriage bolt 1/2"NC x 1 3/4" PTD	6	BER0300025
4	Flat washer 1/2"(9/16" int) PTD	6	BER1400006
5	Lockwasher 1/2" PTD	6	BER1200006
6	Nylon insert locknut 1/2"NC PTD	6	BER1000011
7	Cotter pin 3/16" x 2" lg PTD	4	BER1500014
8	Flat washer 3/4" (13/16" int) PTD	6	BER1400028
9	Jam nut 3/4"NC PTD	2	BER0900042
10	Mower pivot spacer PTD	2	BER669930
11	Hex bolt 3/4"NC x 5 1/2" Gr.5, PTD	2	BER0100127
12	Urethane die spring	2	BER2200054
13	Right 3-point lifting pivot	1	BER672712
14	Left 3-point lifting pivot	1	BER672713
15	3-point Pivot pin PTD	2	BER669992
16	Flat washer 7/8" (15/16" int) PTD	2	BER1400012
17	Pin \varnothing 1/2" x 1 1/4" PTD	2	BER672118
18	Hairpin 2.5mm x 40mm	2	BER1800001
19	Circle cotter 1 1/8" PTD	2	BER1900010
20	Nylon lanyard 10"lg – loop/loop	2	BER4200053
21	Transport bracket	2	BER672110
22	Transport link	2	BER672111
23	Hex bolt M12 x 1.75 x 35mm Gr.8.8 PTD	4	BER0200109
24	Hex bolt M12 x 1.75 x 40mm Gr.8.8 PTD	2	BER0200029
25	Nylon insert locknut M12 x 1.75 PTD	2	BER1000022
26	Lockwasher 12mm, PTD	4	BER1200019
27	Flat washer 12mm (13mm int) PTD	6	BER1400030
28	Flat washer 7/16" (1/2" int) PTD	2	BER1400005
29	Linchpin 5/16" PTD	2	BER1900001

PARTS

REAR HITCH COMPONENTS

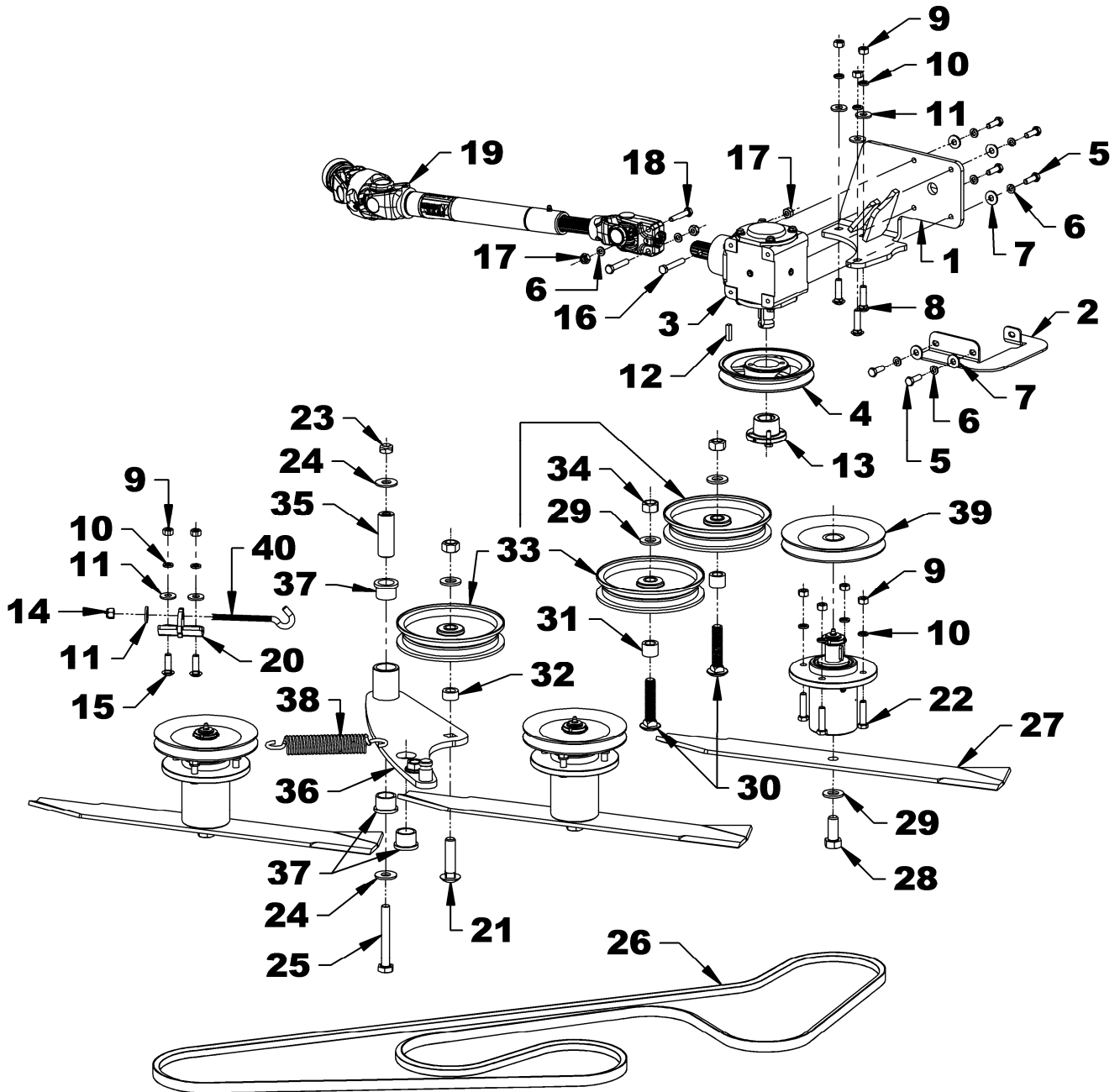


PARTS

DRIVE SYSTEM			
REF.	DESCRIPTION	QTY	PART#
1	Gearbox support	1	BER672707
2	Pulley protector	1	BER672091
3	Gearbox CW 1 @ 1.43 – ø1" -15 splines x ø1" with keyway	1	BER4500213
-	- Seal kit	1	BER4500141
4	Pulley ø6"	1	BER4800050
5	Hex bolt 5/16"NC x 1" Gr.5 PTD	6	BER0100019
6	Lockwasher 5/16" PTD	8	BER1200003
7	Flat washer 5/16"(3/8" int) PTD	6	BER1400003
8	Carriage bolt 3/8"NC x 1 1/2" PTD	3	BER0300010
9	Hex nut 3/8"NC PTD	17	BER0900003
10	Lockwasher 3/8" PTD E	17	BER1200004
11	Flat washer 3/8"(7/16" int) PTD	6	BER1400004
12	Key 1/4" x 1/4" X 1" lg	1	BER655379
13	Pulley hub	1	BER4800027
14	Nylon insert locknut 3/8"NC PTD	1	BER1000006
15	Carriage bolt 3/8"NC x 1 1/4" PTD	2	BER0300009
16	Hex bolt 5/16"NC x 2"lg Gr. 5, PTD	1	BER0100023
17	Nylon insert locknut 5/16"NC PTD	3	BER1000005
18	Hex bolt 5/16"NC x 1 3/4"lg Gr. 5, PTD	2	BER0100022
19	Driveline	1	BER4700335
20	Spring adjustment bracket	1	BER672163
21	Carriage bolt 5/8"NC x 2 1/2" PTD	1	BER0300041
22	Hex bolt 3/8"NC x 1 1/2" Gr.5 PTD	12	BER0100040
23	Stover nut 1/2"NC PTD	1	BER1100006
24	Flat washer 1/2" (9/16" int) PTD	2	BER1400006
25	Hex bolt 1/2"NC x 4" Gr.5 PTD	1	BER0100080
26	Belt 152" lg	1	BER4800049
27	Blade 23"	3	BER5000016
28	Hex bolt 5/8"NF x 1 1/2" Gr.5 PTD	3	BER0100240
29	Flat washer structure 5/8" (11/16" int) PTD	6	BER1400035
30	Carriage bolt 5/8"NC x 3" PTD	2	BER0300042
31	Spacer ring ø41/64" ID x ø1" OD x 3/4" PTD	2	BER672727
32	Spacer ring ø41/64" ID x ø1" OD x 1/2" PTD	1	BER670694
33	Idler pulley	3	BER4800039
34	Stover nut 5/8"NC PTD	3	BER1100007
35	Idler bushing PTD	1	BER669898
36	Idler - without bushing	1	BER672150
37	Plastic bushing 1 1/4" OD x 1" ID x 1" lg	3	BER4300099
38	Tension spring	1	BER2200023
39	Split steel pulley ø6 1/2" PTD	3	BER4800029
40	Hook 3/8"NC x 5 1/2" – including nut	1	BER0400034

PARTS

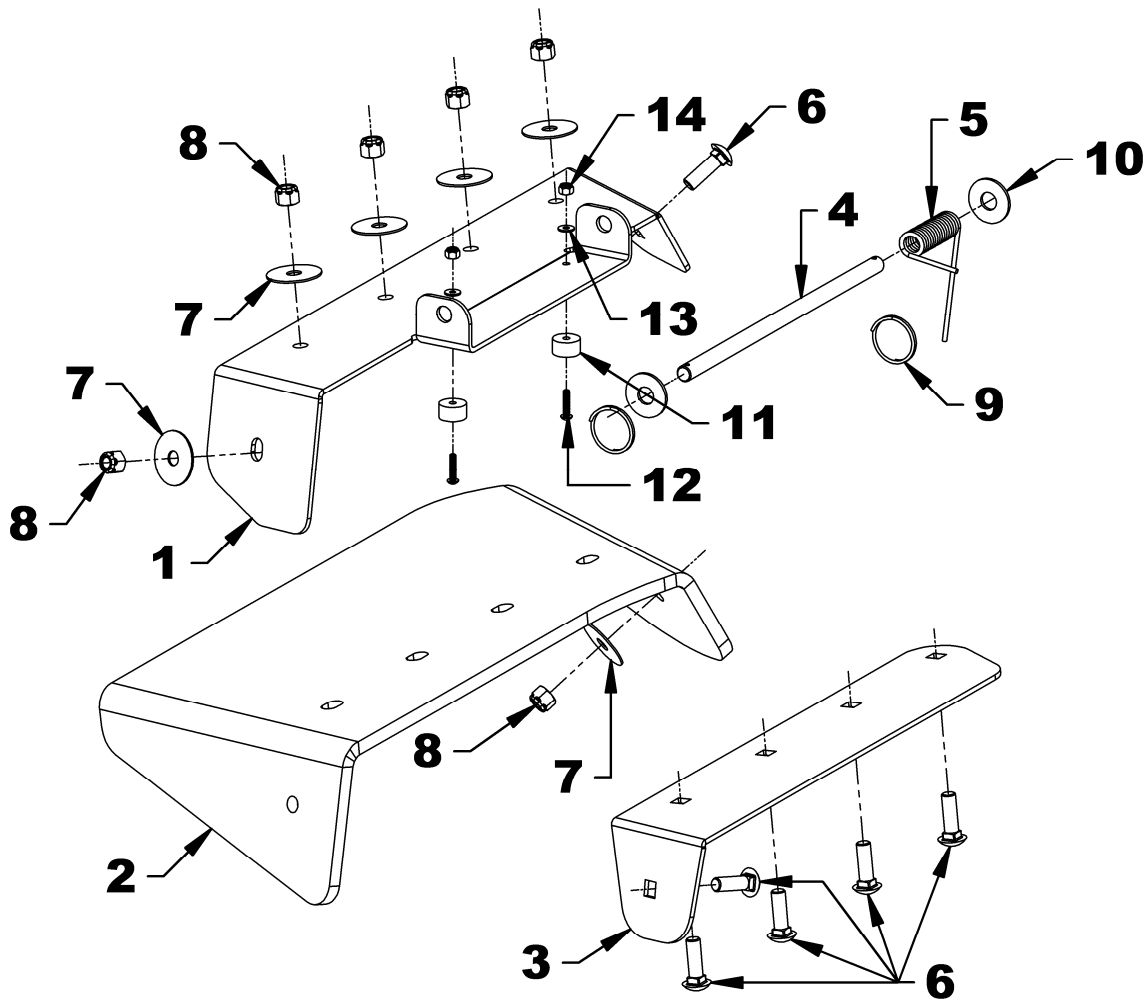
DRIVE SYSTEM



PARTS

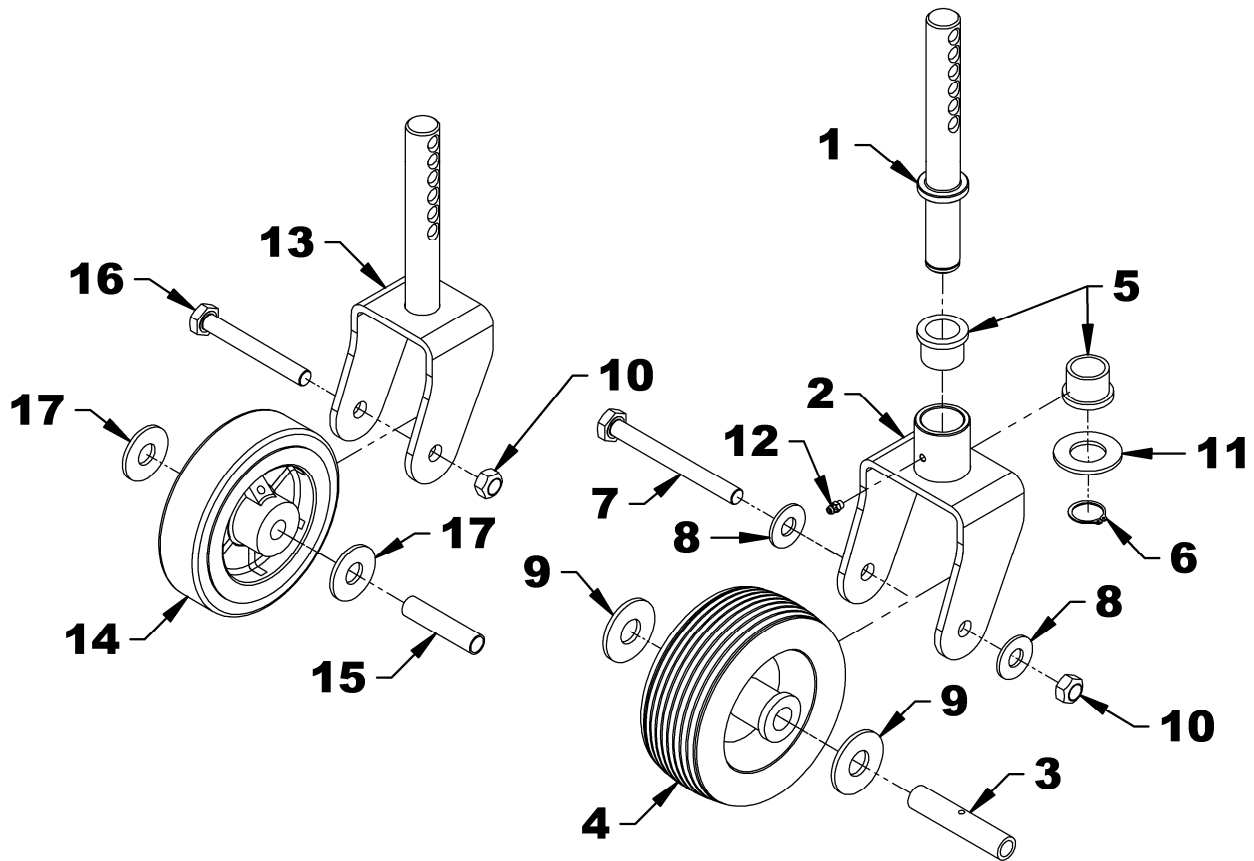
DEFLECTOR

REF.	DESCRIPTION	QTY	PART#
1	Deflector support	1	BER672094
2	Rubber deflector	1	BER672096
3	Deflector reinforcement	1	BER672095
4	Deflector pivot pin 7/16" X 9 13/16" lg	1	BER672715
5	Torsion spring 23/32"ID X 2 1/2" x 0.12 wire	1	BER2200026
6	Carriage bolt 3/8"NC x 1 1/4" lg Gr.5 PTD	6	BER0300009
7	Flat washer 13/32" ID x 1 1/2" OD PTD	6	BER1400041
8	Nylon insert locknut 3/8"NC PTD	6	BER1000006
9	Circle cotter 1 1/8" OD x 0.072"dia. wire	2	BER1900010
10	Flat washer 1/2" (9/16" int) PTD	2	BER1400006
11	Rubber damper "SBR" ø7/8" x 13/32"	2	BER4200064
12	Allen button head cap screw 8-32 x 3/4" PTD	2	BER0800063
13	Flat washer #8 (3/16" int)	2	BER1400001
14	Nylon insert locknut 8-32 PTD	2	BER1000026



PARTS

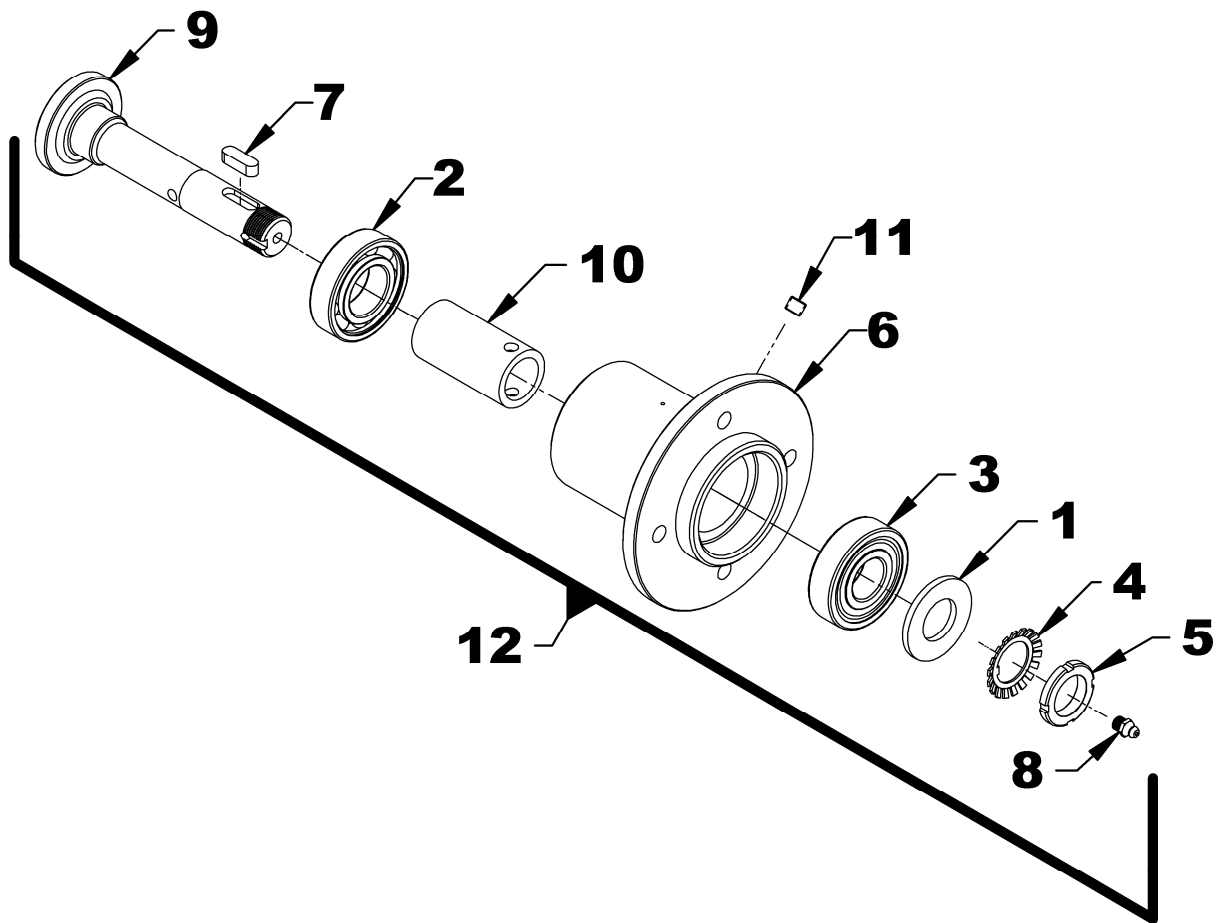
WHEELS			
REF.	DESCRIPTION	QTY	PART#
1	Wheel shaft PTD	2	BER669893
2	Front wheel support	2	BER672099
3	Wheel bushing	2	BER669940
4	Wheel 6 1/4" x 3" - 3/4" roller bearing	2	BER3800077
5	Shoulder plastic bushing 1 1/4"OD x 1"ID x 1"lg	4	BER4300099
6	Outer retaining ring 0.042 thick for 1" shaft	2	BER655087
7	Bolt hex 1/2"NC x 5" lg PTD	2	BER0100082
8	Flat washer 1/2" (9/16" int) PTD	4	BER1400006
9	Flat washer 3/4" (13/16" int) PTD	4	BER1400010
10	Stover lock nut 1/2"NC PTD	4	BER1100006
11	Flat washer 1" (1 1/16" int) PTD	2	BER1400029
12	Grease fitting 1/4NF	2	BER654106
13	Rear welded wheel support	2	BER669895
14	Phenolic wheel 6" x 2" ass'y	2	BER3800076
15	Wheel bushing PTD	2	BER669891
16	Bolt hex 1/2"NC x 4" lg PTD	2	BER0100080
17	Flat washer 5/8" (11/16" int) PTD	4	BER1400008



PARTS

SPINDLE – BER500017

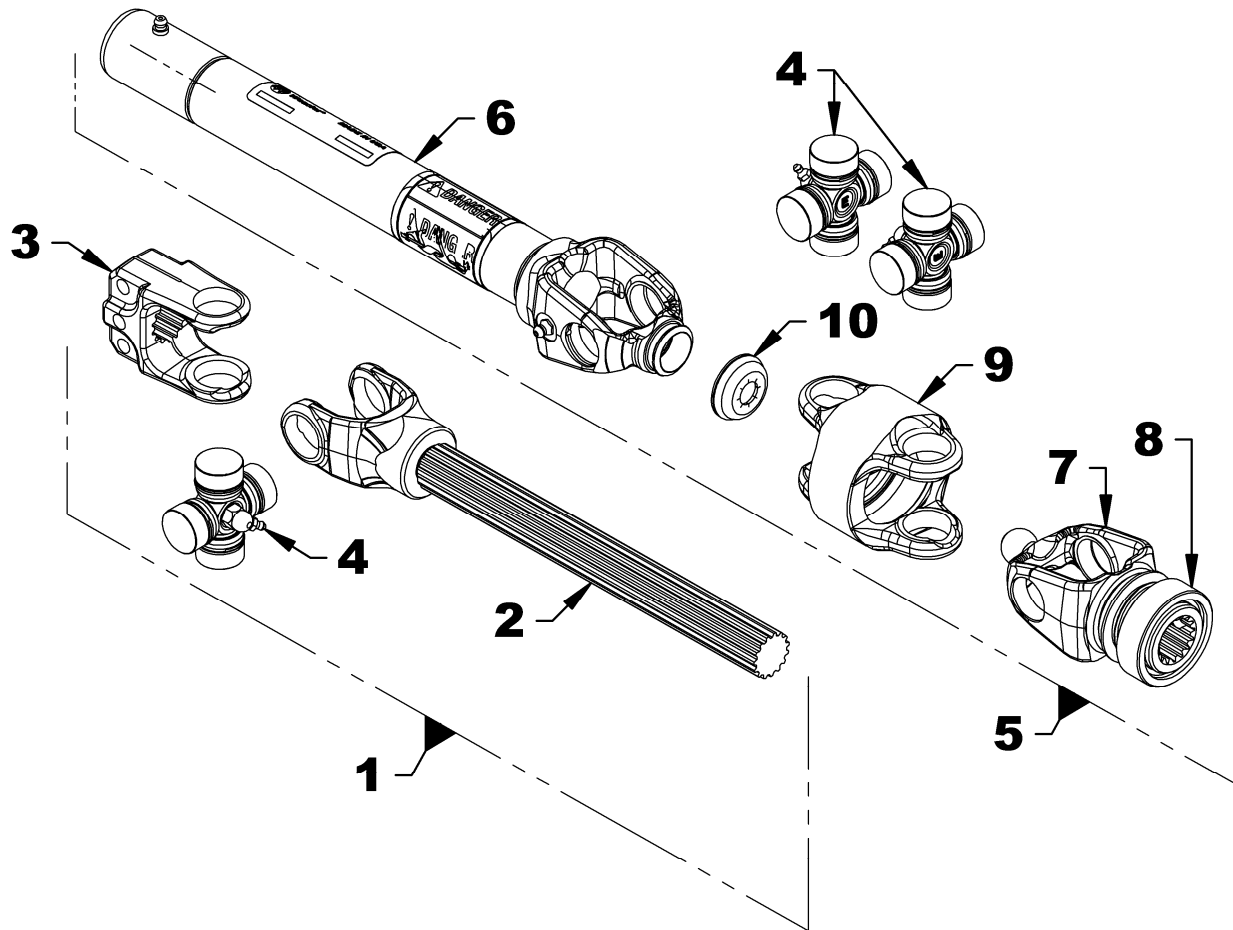
REF.	DESCRIPTION	QTY	PART#
1	Flat washer 26mm x 50mm x 4mm PTD	1	BER1400034
2	Bearing 6206_rs1	1	BER4300095
3	Bearing 6305_rs1	1	BER4300096
4	Lockwasher mb-5	1	BER4300097
5	Nut M25 x 1.5 km-5	1	BER4300098
6	Spindle hub	1	BER5000018
7	Round end key 8 x 7 x 25	1	BER5000019
8	Grease fitting M8 x 1.0	1	BER5000020
9	Spindle shaft	1	BER5000021
10	Spacer for bearing	1	BER5000022
11	Plug allen 1/8"NPT PTD	1	BER656090
12	Spindle	1	BER5000017



PARTS

DRIVELINE – BER4700335

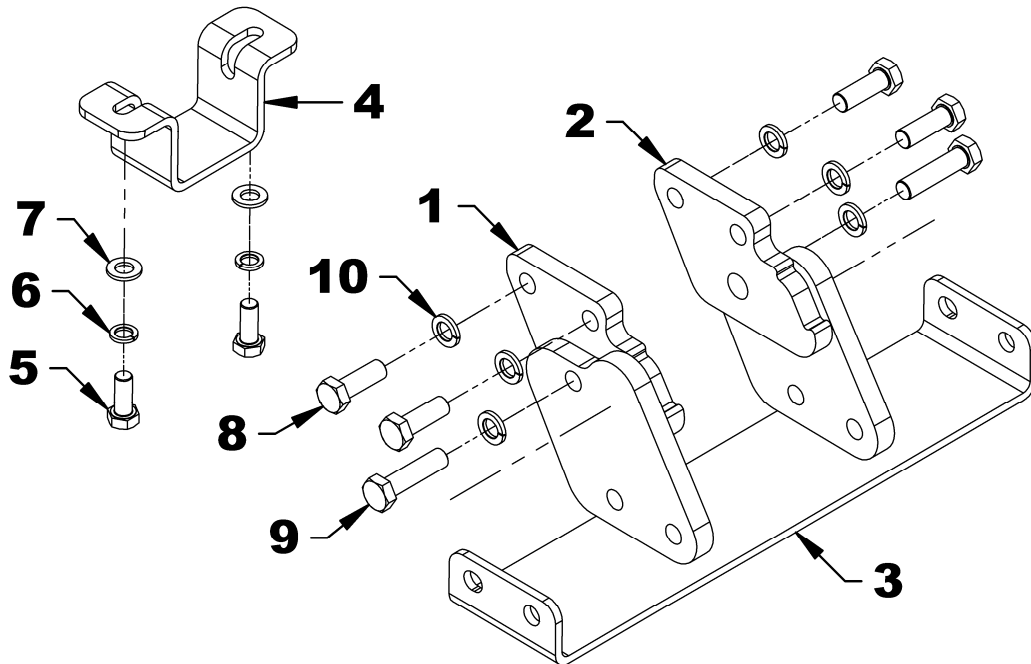
REF.	DESCRIPTION	QTY	PART#
1	Male driveline 1"-15 splines and clamp yoke	1	BER4700336
2	Male shaft 1"-15 splines and yoke	1	BER4700225
3	Clamp yoke 1" – 15 splines	1	BER4700339
4	Journal cross kit 6E	3	BER4700130
5	Female driveline and Quick disconnect yoke 1"-15 splines	1	BER4700337
6	Female shaft 1"-15 splines and yoke	1	BER4700338
7	Quick disconnect yoke 1"-15 splines 6E series	1	BER4700232
8	Spring-lock repair kit	1	BER658113
9	Center housing 50° CV	1	BER658514
	Repair kit 50° CV – seal and liner	1	BER663632



PARTS

COMPLEMENT KIT FOR TRACTOR WITHOUT LOADER - 439054016

REF	DESCRIPTION	QTY	PART#
1	Right side bracket	1	BER672124
2	Left side bracket	1	BER672125
3	Front push bar for mower	1	BER672728
4	Rear push bar for mower	1	BER672729
5	Bolt hex M12 x 1.75 x 30mm Gr. 10.9 PTD	2	BER0200139
6	Lockwasher 12mm PTD	2	BER1200019
7	Flat washer 12mm PTD	2	BER1400030
8	Bolt hex M14 x 2.00 x 40mm Gr. 8.8 PTD	4	BER0200080
9	Bolt hex M14 x 2.00 x 55mm Gr. 8.8 PTD	2	BER0200135
10	Lockwasher 14mm PTD	6	BER1200014









TORQUE SPECIFICATION TABLE

GENERAL SPECIFICATION TABLE

USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

Note: These values apply to fasteners as received from supplier dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly disulfide greases or other extreme pressure lubricants are used. These values apply to dry conditions; under lubricated conditions reduce by 25% the torques in this table.

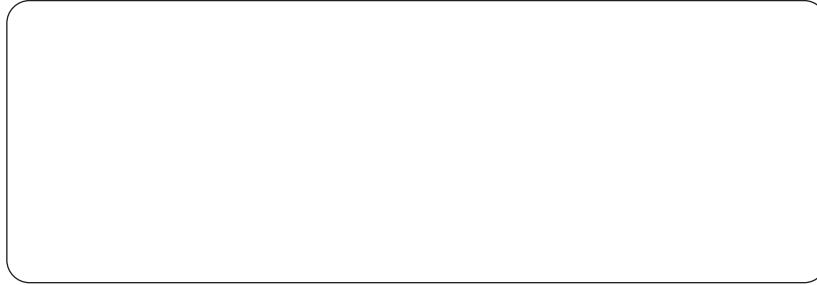
BOLT HEAD IDENTIFICATION

INCHES Bolt Size	 Grade 2		 Grade 5		 Grade 8		METRIC Bolt Size	 Class 5.8		 Class 8.8		 NP Class 10.9	
	in-tpi ¹	N-m ²	lbs-ft ³	N-m	lbs-ft	N-m		lbs-ft	mm, pitch ⁴	N-m	lbs-ft	N-m	lbs-ft
1/4" - 20NC	7.4	5.6	11	8	16	12	M 5 X 0.8	4	3	6	5	9	7
1/4" - 28NF	8.5	6	13	10	18	14	M 6 X 1	7	5	11	8	15	11
5/16" - 18NC	15	11	24	17	33	25	M 8 X 1.25	17	12	26	19	36	27
5/16" - 24NF	17	13	26	19	37	27	M 8 X 1	18	13	28	21	39	29
3/8" - 16NC	27	20	42	31	59	44	M10 X 1.5	33	24	52	39	72	53
3/8" - 24NF	31	22	47	35	67	49	M10 X 0.75	39	29	61	45	85	62
7/16" - 14NC	43	32	67	49	95	70	M12 X 1.75	58	42	91	67	125	93
7/16" - 20NF	49	36	75	55	105	78	M12 X 1.5	60	44	95	70	130	97
1/2" - 13NC	66	49	105	76	145	105	M12 X 1	90	66	105	77	145	105
1/2" - 20NF	75	55	115	85	165	120	M14 X 2	92	68	145	105	200	150
9/16" - 12NC	95	70	150	110	210	155	M14 X 1.5	99	73	155	115	215	160
9/16" - 18NF	105	79	165	120	235	170	M16 X 2	145	105	225	165	315	230
5/8" - 11NC	130	97	205	150	285	210	M16 X 1.5	155	115	240	180	335	245
5/8" - 18NF	150	110	230	170	325	240	M18 X 2.5	195	145	310	230	405	300
3/4" - 10NC	235	170	360	265	510	375	M18 X 1.5	220	165	350	260	485	355
3/4" - 16NF	260	190	405	295	570	420	M20 X 2.5	280	205	440	325	610	450
7/8" - 9NC	225	165	585	430	820	605	M20 X 1.5	310	230	650	480	900	665
7/8" - 14NF	250	185	640	475	905	670	M24 X 3	480	355	760	560	1050	780
1" - 8NC	340	250	875	645	1230	910	M24 X 2	525	390	830	610	1150	845
1" - 12NF	370	275	955	705	1350	995	M30 X 3.5	960	705	1510	1120	2100	1550
1 1/8" - 7NC	480	355	1080	795	1750	1290	M30 X 2	1060	785	1680	1240	2320	1710
1 1/8" - 12NF	540	395	1210	890	1960	1440	M36 X 3.5	1730	1270	2650	1950	3660	2700
1 1/4" - 7NC	680	500	1520	1120	2460	1820	M36 X 2	1880	1380	2960	2190	4100	3220
1 1/4" - 12NF	750	555	1680	1240	2730	2010	¹ in-tpi = nominal thread diameter in inches-threads per inch ² N-m = newton-meters ³ lbs-ft= pounds-foot ⁴ mm x pitch = nominal thread diameter in millimeters x thread Pitch						
1 3/8" - 6NC	890	655	1990	1470	3230	2380							
1 3/8" - 12NF	1010	745	2270	1670	3680	2710							
1 1/2" - 6NC	1180	870	2640	1950	4290	3160							
1 1/2" - 12NF	1330	980	2970	2190	4820	3560							

*Torque tolerance +0%, -15% of torquing values. Unless otherwise specified use torque values listed above

*NOTE: 1 lbs-ft = 12 lbs-in

Dealer's stamp



CNH Industrial America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold.

Specifications, descriptions, and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice.

Availability of some models and equipment builds varies according to the country in which the equipment is being used. For exact information about any particular product, please consult your New Holland dealer.



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