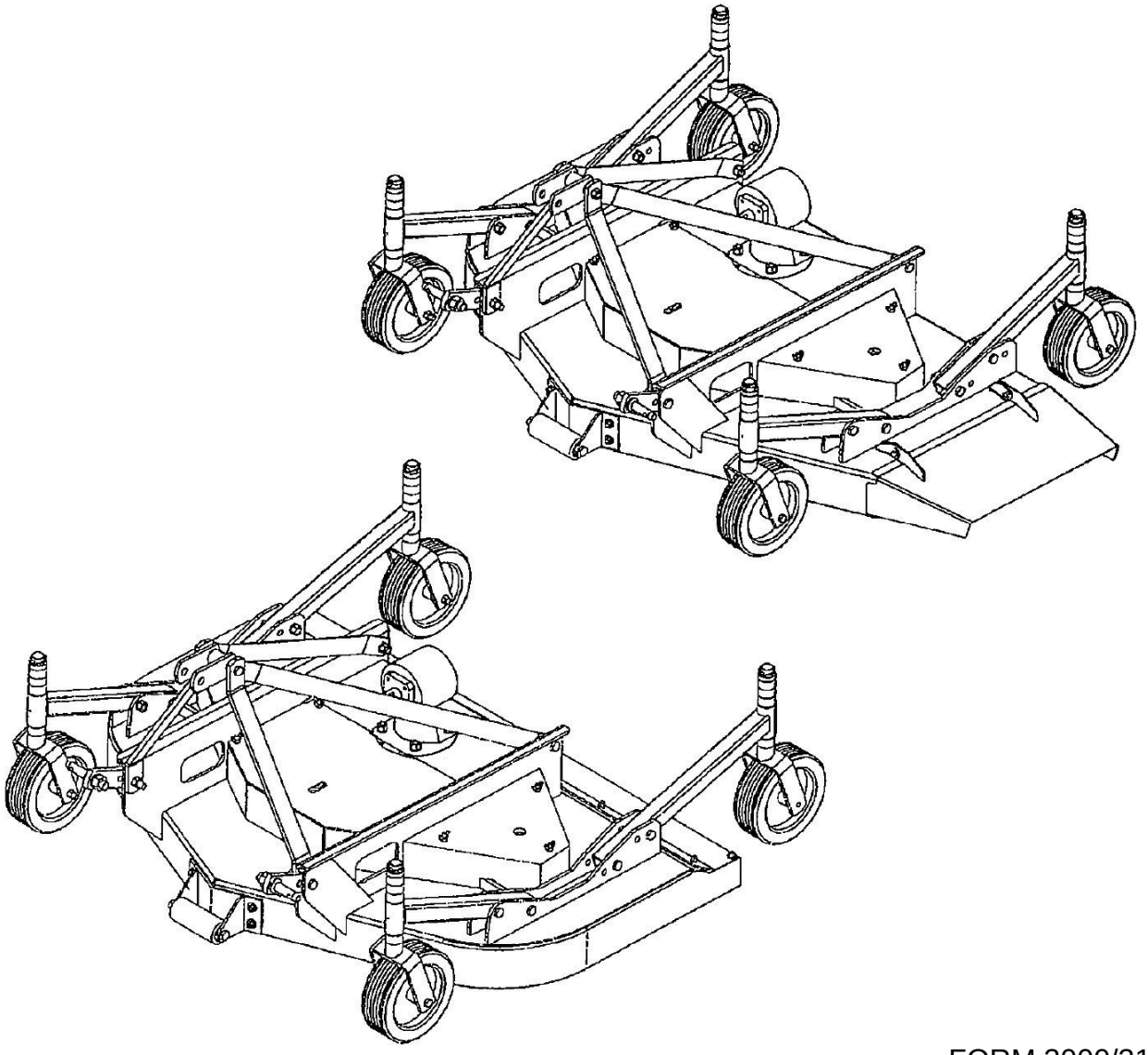
Taylor Pittsburgh Mfg., Inc.
PO Box 1200
Winfield, Alabama 35594
205-487-3202

3000 / 3100 SERIES ESTATE GROOMER



OWNERS MANUAL

FORM 3000/3100
OCTOBER 2023

www.taylorpittsburgh.com

TO THE DEALER:

The groomer assembly and proper installation to the tractor is the responsibility of the TAYLOR PITTSBURGH dealer. Read manual instructions and safety rules. Make sure all items on the Pre-delivery and Delivery Checklists are completed before releasing equipment to the owner.

TO THE OWNER:

Read this manual before operating your TAYLOR PITTSBURGH groomer. The information presented will prepare you to do a better and safer job. Keep this manual handy for ready reference. Require all operators to read this manual carefully and become acquainted with all the adjustment and operating procedures before attempting to operate. Replacement manuals can be obtained from your dealer or by calling 1-205-487-3202, in the USA and Canada only.

The groomer you have purchased has been carefully engineered and manufactured to provide dependable and satisfactory use. Like all mechanical products, it will require cleaning and upkeep. Lubricate the unit as specified. Observe all safety information in this manual and safety decals on the groomer and tractor.

For service your authorized TAYLOR dealer has trained mechanics, genuine TAYLOR PITTSBURGH service parts, and the necessary tools and equipment to handle all your needs.

Provide your model number and serial number to your dealer to obtain correct repair parts.

LIMITED WARRANTY

TAYLOR PITTSBURGH MFG., INC. the manufacturer, warrants only to the Original Purchaser that this equipment, under normal use and service, will be free from defects in material and workmanship for one (1) year from date of purchase providing this equipment is purchased for individual and not for commercial use. Warranty for commercial usage is 90 days. This warranty does not apply to any equipment which has been damaged or which has been subjected to abuse, misuse, negligence, abnormal wear and tear, alterations, tampering, or failure to follow operating instructions. This warranty does not cover any product or parts not manufactured by TAYLOR PITTSBURGH MFG., Inc.

Under this warranty, the manufacturer will repair or replace any part which the manufacturer determines has failed during the period of the warranty due to defects in material or workmanship. After approval by the manufacturer, the equipment or defective part must be returned to TAYLOR PITTSBURGH MFG., INC., Winfield, AL 35594.

Warranty coverage and performance is expressly conditioned on the return of the completed registration form to TAYLOR PITTSBURGH MFG., INC., Winfield, AL 35594.

PURCHASER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY, OTHER DEFECT, OR CONDUCT GIVING RISE TO LIABILITY SHALL BE THE REPAIR OR REPLACEMENT OF THE PRODUCT SOLD, AND THE MANUFACTURER UNDER NO CIRCUMSTANCES SHALL BE LIABLE FOR ECONOMIC LOSS OR INCIDENTAL OR CONSEQENTIAL DAMAGES. THE MANUFACTURER DISCLAIMS ALL INPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR PURPOSE.

Taylor Pittsburgh Mfg., Inc. reserves the right to make improvements and changes in specifications without notice or obligation to modify previous sold units.

This manual describes the proper assembly procedures for your rear blade and furnishes operating and maintenance recommendations to help you obtain long and satisfactory service.

TAYLOR PITTSBURGH MFG.

FIVE YEAR LIMITED GEARBOX WARRANTY

Taylor Pittsburgh Mfg., warrants to the original purchaser of any new Taylor Pittsburgh product equipped with a Gearbox, a Gearbox only - limited Five (5) year warranty, for non-commercial, non-state, non-municipalities, and non-rental use, and for 90 days for commercial, non-rental use Or a 30-day warranty is offered for rental use.

Under no circumstances will this Warranty apply in the event that the product, in good faith opinion of Taylor Pittsburgh, has been subjected to improper operation, improper maintenance, misuse, fire or an accident. This Warranty does not apply in the event that the product has been materially modified or repaired by someone not authorized prior to repair by Taylor Pittsburgh. This Warranty does not cover normal wear or tear, or normal maintenance items. This Warranty also does not cover repairs made with parts other than those obtainable through Taylor Pittsburgh.

This Warranty is extended solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in anyway. There are no third party beneficiaries of this Warranty.

Taylor Pittsburgh's obligation under this Warranty is limited to, at Taylor Pittsburgh's option, the repair or replacement of the product if Taylor Pittsburgh in its sole discretion, deems it to be defective or in non-compliance with this Warranty. The product must be returned to Taylor Pittsburgh with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered. Routed thru the dealer and distributor from whom the purchase was made, transportation charges pre-paid.

THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY. THE REMEDY OF REPAIR OR REPLACEMENT IS THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.

THERE ARE NO WARRANTIES, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS WARRANTY. TAYLOR PITTSBURGH MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND TAYLOR PITTSBURGH SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OR MERCHANTABILITY AND/OR ANY IMPLIEDWARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Taylor Pittsburgh shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory. Without limiting the generality of foregoing, Taylor Pittsburgh specifically disclaims any damages relating to lost profits. business revenues or goodwill, loss of crops, loss of delay in harvesting; any expense or loss incurred for labor, supplies, substitute machinery or rental; or any other type of damage to property or economic loss.

Any and ALL repairs must be pre-approved by Taylor Pittsburgh prior to any repairs being made and subject to all conditions, restrictions, and purchaser obligations as stated within this Warranty.

P.O. Box 1200 • 305 Commerce Drive • Winfield, AL 35594 • (205) 487-3202 • Fax (205} 487-0227

(Continued on next page)

(continued from previous page)

Five (5) Year Limited Gearbox Warranty is a variable warranty based on purchase date, within one year from original purchase date, to the original owned. Warranty would include parts and labor based on all restrictions and limits stated above. Taylor Pittsburgh reserves the right to limit labor in hours and hourly charges. All repairs must be pre-approved prior to work being done. Years 2 thru 5 are parts only warranty. NO LABOR WILL BE PAID. Taylor Pittsburgh reserves the right to ask and inspect all parts prior to a warranty decision being made. Incidental expenses such as lubricants and transportation to and from the dealer are not covered by warranty.

It is the original purchaser's burden and obligation to maintain proof of purchase, a copy of which must accompany any and all warranty claims.

No agent, representative, dealer, distributor, serviceperson, salesperson, or employee of any company, including without limitation, Taylor Pittsburgh, its authorized dealers, distributors, and service centers, is authorized to alter, modify or enlarge this Warranty.

This Warranty is effective on any Taylor Pittsburgh product purchased January 1, 2008 and after and is subject to change without notice.

Answers to any questions regarding warranty service may be obtained by contacting:

Taylor Pittsburgh Mfg.
305 Commerce Drive
Winfield, AL 35594

800-228-2308(tel)
205-487-0227(fax)

Taylor Pittsburgh Manufacturing Inc., Winfield AL, is a manufacturer of quality agricultural and rural lifestyle equipment, And is a division of King Kutter Inc., Taylor Pittsburgh Manufacturing Inc. offers a full line of three-point mounted and pull type implements including rotary cutter, rotary tillers, estate groomers, landscape equipment, and specialty equipment.
For more information please contact Taylor Pittsburgh Manufacturing Inc. (205}487-3202,

SAFETY RULES

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

SIGNAL WORDS:

The signal words **DANGER**, **WARNING** and **CAUTION** are used with the safety messages in this manual and with each safety signs. They are defined as follows:

DANGER: Indicates an immediate hazardous situation that, if not avoided, could result in serious injury or death. This signal word is to be limited to the most extreme situations typically for machine components that, for functional purposes, cannot be guarded.

WARNING: Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION: Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practice.

If you have any questions not answered in this manual or require additional copies or the manual is damaged, please contact your dealer or Taylor Pittsburgh Mfg., Inc. P.O. Box 1200 Winfield, AL 35594 (205) 487-3202 or *www.taylorpittsburgh.com*

Replace any **DANGER, WARNING, CAUTION** or instructional decal that is not readable or is missing. The location and part number of these decals is identified later in the section of the manual.

IMPORTANT: The word IMPORTANT is used to identify special instructions or procedures which, if not strictly observed could result in damage to or destruction of the machine, process or its surroundings.

GENERAL INFORMATION

READ THIS MANUAL carefully to learn how to operate and service your rear blade correctly. Failure to do so could result in personal injury or equipment damage.

Throughout this manual, references are made to left and right direction. **RIGHT - HAND AND LEFT - HAND** sides are determined by standing behind the rear blade facing the direction of the rear blade will travel when going forward.

The purpose of this manual is to assist you in operating and maintaining your Series 4500 rear blade. Read it carefully. It furnishes information and instructions that will help you achieve years of dependable performance. These instructions have been compiled from extensive field experience and engineering data. Some information may be general in nature due to unknown and varying operating conditions.

However, through experience and these instructions, you should be able to develop procedures suitable to your particular situation.

Maintain your implement with original repair parts to ensure safety and optimum performance.

WARNING

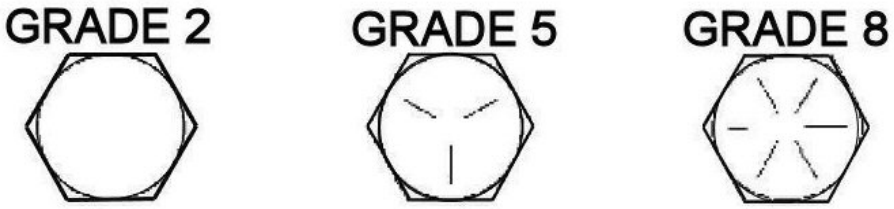
- **Some illustrations in this manual show the rear blade with safety components removed to provide a better view. The rear blade should never be operated with any safety components removed.**

The illustrations and data used in this manual were current at the time of printing, but due to possible production changes, your rear blade may vary slightly in detail. We reserve the right to redesign and change the machines as may be necessary without notification

CONTENTS

ITEM **PAGE**

BOLT TORQUE CHART



TORQUE IN FOOT POUNDS (NEWTON METERS)

BOLT SIZE		3/8"	1/2"	5/8"	3/4"	7/8"	1"
HEX HEAD		9/16"	3/4"	15/16"	1-1/8"	1-5/16"	1-1/2"
GRADE	2	18 (24.4)	45 (61.0)	89 (120.7)	160 (216.9)	252 (341.6)	320 (433.9)
	5	30 (40.6)	68 (92.2)	140 (189.8)	240 (325.4)	360 (488.1)	544 (737.5)
	8	40 (54.2)	100 (135.6)	196 (265.7)	340 (460.9)	528 (715.1)	792 (1073.8)

SPECIFICATIONS			
MODEL	**3060 3160**	**3072 3172**	**3184**
3 - POINT HITCH CATEGORY	CAT. I	CAT. I	CAT. I
CUTTING WIDTH	60”	72”	84”
CUTTING HEIGHT RANGE	1” to 5-1/2”	1” to 5-1/2”	1” to 5-1/2”
SHIPPING WEIGHT (APPROXIMATE)	565 LBS.	610 LBS.	850 LBS.
BLADE SPEED (FEET PER MINUTE)	16,850	16,630	16,250
BLADE SPEED (RPM)	3,065	2,541	2,140
BLADE SPINDLES	3	3	3
NUMBER OF BLADES	3	3	3
CASTER WHEELS	3.25 X 10	3.25 X 10	3.25 X 10
TRACTOR PTO SPEED (RPM)	540	540	540
DRIVELINE SIZE	CAT. 3	CAT. 3	CAT. 3
RECOMMENDED MAXIMUM TRACTOR HP	40	40	40
MOWER FRAME THICKNESS	7 GA.	7 GA.	7 GA.
PNUEMATIC TIRE PRESSURE	35 PSI	35 PSI	35 PSI
IDLER SPRING LENGTH (WORKING)	7-3/8”	7-3/8”	------

SAFETY RULES
ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

- Your personal safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by a single careless act of an operator or bystander.

- In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of this equipment.

- It has been said, **" The best safety device is an informed, careful operator."** We ask you to be that kind of operator.

- The design of this equipment depends on it being operated within the limitations as explained in this manual.

TRAINING

- Safety instructions are important! Read this manual and the tractor manual; follow all safety rules and safety decal information. (Replacement manuals are available from your dealer). Failure to follow instructions or safety rules can result in serious injury or death.

- If you do not understand any part of this manual and need assistance se your dealer.

- Know your controls and how to stop engine and attachment quickly in an emergency.

- The operator must be instructed in and be capable of the proper operation of the equipment it's attachments and all controls. Do not allow anyone to operate this equipment without proper instructions.

- Do not allow children or untrained persons to operate equipment.

PREPARATION

- Always wear close fitting clothing and personal protection equipment called for by the job conditions. These items may include a hard hat, safety glasses, goggles or face shield, hearing protection and safety boots. DO NOT wear loose clothing, jewelry or any other items that may be entangled in moving parts. Tie up long hair.

- Ensure rear blade is properly mounted, adjusted and in good operating condition.

- Tighten all bolts and nuts and check that all cotter pins are installed securely to ensure equipment is properly assembled before operating.
- Make sure spring activated locking pin or collar slides freely and is seated firmly in tractor PTO spline groove.

- Tractor must be equipped with an approved Roll-Over-Protective System (ROPS). Keep seat belt securely fastened. Falling off the tractor can result in serious injury of even death. Keep foldable ROPS systems in "locked up" position at all times.

- Remove accumulated debris from this equipment, tractor and engine to avoid fir hazard.

- Ensure all safety decals are installed. Replace if damaged. (See Safety Decals section for location.)
- Ensure all shields and guards are properly installed and in good condition. Replace if damaged.

- A minimum 20% of the combined tractor and equipment weight must be on the tractors front wheels with the equipment in transport position. Without this weight, tractor could tip over causing personal injury or death. See your tractors operators manual for information regarding adding weights.

- Inspect and clear area of stones, branches or other hard objects that might be thrown, causing injury or damage.

OPERATIONAL SAFETY

- Keep bystanders away from equipment while it is in operation.

- Operate only in daylight or good artificial light.

- Always comply with all state and local lighting and marking requirements.

(Safety Rules continue on next page)

SAFETY RULES
ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

(Safety Rules continued from previous page)

- No riders on equipment.
- Do not operate groomer unless discharge chute or rear guard is installed and in good condition. Replace if damaged.
- Never direct discharge at anyone.
- Always sit in tractor seat with seat belt fastened when operating controls or starting engine. Place transmission in park or neutral, engage brake and ensure all other controls are disengaged before starting tractor engine.
- Look down and to the rear and make sure area is clear before operating in reverse.
- Do not operate on steep slopes.
- Do not stop, start or change directions suddenly on slopes.
- Use extreme care and reduce ground speed on slopes and rough terrain.
- Watch for hidden hazards on the terrain during operation.
- Stop groomer and tractor immediately upon striking an obstruction. Turn engine off, remove key, inspect and repair any damage before resuming operation.
- Make sure all movement of all groomer components has stopped before dismounting the tractor.
- When performing any service or maintenance, disengage power to implement. Lower all raised components to the ground. Operate valve levers to relive any hydraulic pressure. Shut off the engine, set the parking brakes and remove the ignition keys before dismounting tractor.
- Keep all persons away from operator control area while mowing, performing adjustments, service or maintenance.

MAINTAINANCE SAFETY

- Before performing any service or maintenance disconnect driveline from tractor.
- Before working underneath, raise rear blade to highest position, install transport locks, and block securely. Blocking up prevents rear blade dropping from hydraulic leak down or mechanical failure on the tractor.
- Keep all persons away from operator control area while performing adjustments, service or maintenance.
- Frequently check blades. They should be sharp, free of nicks and cracks and securely fastened.
- Do not handle blades with bare hands. Careless or improper handling may result in serious injury.
- Your dealer can supply genuine replacement parts. Substitute parts may not meet original equipment specifications and may be dangerous..

TRANSPORTING SAFETY

- Use a Slow—Moving Vehicle (SMV) emblem and proper lighting on the tractor when transporting the rear blade.
- Do not drive the tractor and rear blade over 20 mph (30 kph) on the best surface conditions. Reduce speed when going up and down hills and when approaching ditches or corners.
- Always comply with all state and local lighting and marking requirements.
- Check condition of hitch pins and blots before transporting.
- Keep your equipment in proper working condition. Unauthorized modifications to the equipment may impair the function and affect the equipment life. Do not add excessive weight to the equipment. Additional weight could cause the frame to fail resulting in loss of control of equipment/tractor during transport.

(Safety Rules continue on next page)

SAFETY RULES
ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

(Safety Rules continued from previous page)

- Raise equipment to highest position for transport.
- Watch low hanging Overhead Power Lines during transport. Avoid contact as this can cause serious injury or death.

STORAGE

- Block equipment securely for storage.
- Store unit on a level surface sheltered from the weather.
- Clean all debris from groomer.
- Keep playing children and bystanders away from storage area.

MISCELLANEOUS HARDWARE BY SIZE				
SIZE	PART NUMBER BY ITEM			
	WASHER / LOCK	WASHER / FLAT	NUT / HEX	NUT / HEX LOCK
1/4”	303951		304003	
5/16”	303952	303968	304004	
3/8”	303953	303969	304005	304018
7/16”	303954	303970	304006	304019
1/2”	303955	303971	304007	304020
5/8”	303956	303972	304008	304021
3/4”	303957	303973	304009	304022
7/8”	303958	303974	304010	304023
1”	303959	303975	304011	304024
1-1/8”	303960	303976	304012	304025

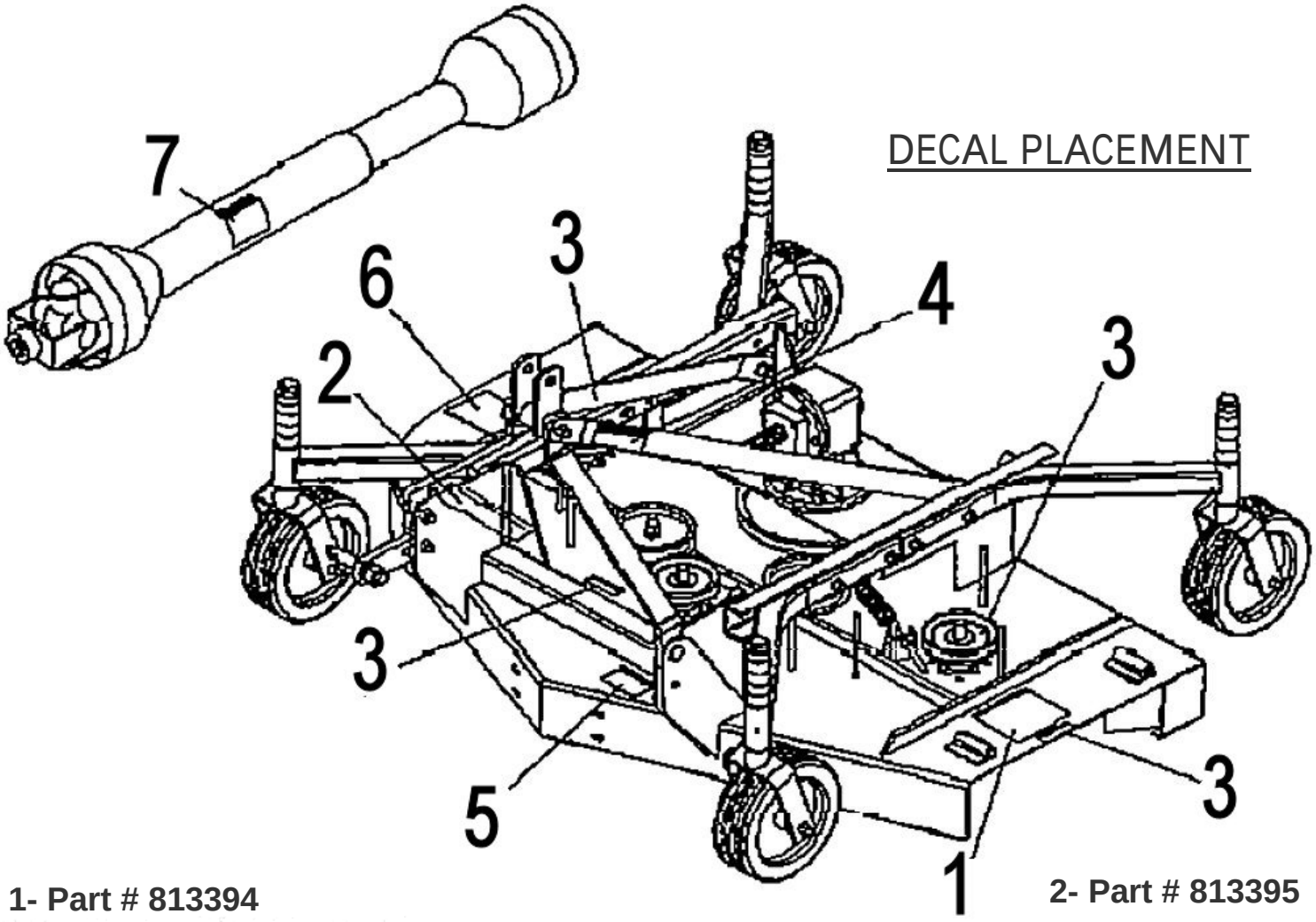
SAFETY RULES

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

Replace Immediately If Damaged!

The following safety decals are located on your groomer. Read them and follow their instructions for your safety. Keep all decals in place and legible. Replace worn or missing decals. Replacement safety decals are available through your dealer. Order by number listed.

DECAL PLACEMENT



1- Part # 813394

2- Part # 813395

3- Part # 813398

DANGER

ROTATING BLADES-KEEP AWAY

To prevent serious injury or death when the engine is running and the blades are rotating:

- Never allow riders, especially children, on tractor or mower.
- Do not operate with bystanders in mowing area.
- Do not operate with deflectors/guards removed.
- Do not place hands or feet under deck.
- Do not stand on or near implement at any time.
- Do not stand between tractor and implements.
- Operate only with tractor equipped ROPS and seatbelt.

DANGER

SHIELD MISSING

DO NOT OPERATE—PUT SHIELD ON

WARNING

To prevent serious injury or death:

- Read and understand Operator's Manual before using. Review annually.
- Do not permit riders on the tractor or mower, including children.
- Do not allow children to operate mower.
- Operate only with guards installed and in good working condition.
- Keep away from moving parts.
- Operate only with tractor equipped with ROPS and seatbelt.
- Before mowing, clear debris from mowing area.
- Do not operate in the raised position.
- Stop engine, lower mower, set brake and wait for all moving parts to stop before dismounting.
- Support mower securely before working beneath unit.
- Transport with clean reflectors, SMV and working lights as required by federal, state, and local laws.
- Keep yourself, others, and clothing away from the rotating PTO.
- Keep others away from area to be mowed to avoid injury from flying objects.
- Do not stand between tractor and mower.
- Be careful on uneven terrain. Decrease speed when turning.
- Do not exceed a safe transport speed.

SAFETY DECALS

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED

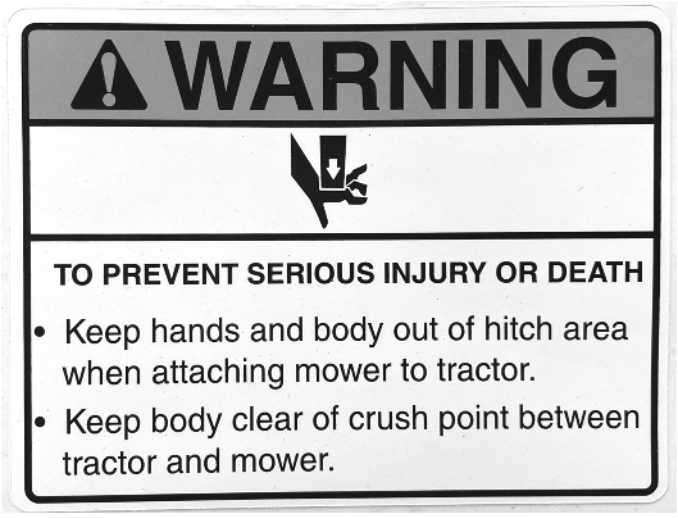
Replace Immediately If Damaged

DECAL LOCATIONS

4- Part # 029772

5- Part # 813396

6- Part # 813397



7- Part # 813636

8- Part # 813

9- Part # 813

OPERATION

Your personal safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by a single careless act of an operator or bystander.

In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of this equipment.

It has been said, **" The best safety device is an informed, careful operator."** We ask you to be that kind of operator.

The operator is responsible for the safe operation of this mower. The operator must be properly trained. Operators must be familiar with the mower and tractor and all safety practices before starting operating. Read the safety information on pages 6 through 8.

The mower is designed for lawn and grass mowing. It is not designed for rough conditions or heavy weed mowing. It is equipped with suction type blades for best results in lawn mowing. Optional blades with less suction are available for use in sandy areas.

Recommended mowing speed for most conditions is from two to five mph.

The design of this equipment depends on it being operated within the limitations as explained in this manual.

TRACTOR STABILITY (FIGURE 1)

WARNING

A minimum 20% of a tractor and rear blade weight must be on tractor front wheels with attachment in transport position. Without this weight, tractor could tip over causing personal injury or death. The weight may be attained with front wheel weights, ballast in tires or front tractor weights. Weigh the tractor and rear blade. Do not estimate.

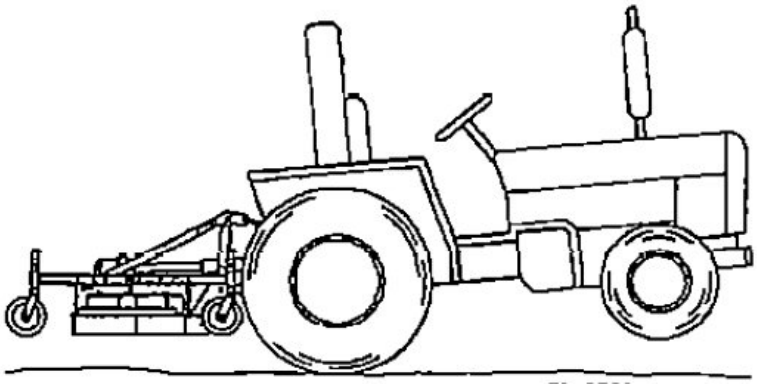


Figure 1

Attaching Mower to Tractor

The standard 1-3/8" - 6B spline driveline with a QD yoke is used to connect mower to tractor.

WARNING

Be sure bystanders are clear. Do not stand between mower and tractor. Shut off tractor and engage parking brake prior to dismounting.

1) Back tractor to align three- point hitch with frame.
2) Attach the mower hitch pins to lower tractor lift arms and secure with click pins.
3) Attach tractor top link to swinging offset links. Secure with pin and click pin.
4) Attach the driveline to the tractor PTO shaft by pushing in on push button and sliding the yoke onto the tractor PTO shaft. Make sure the push button releases and locks the driveline into place.
5) Attach shield retaining chain included with driveline to stabilize arm and to cross member of A-frame. The chains keep the driveline shield from rotating when the PTO is engaged. Make sure the chain is installed properly at all times to prevent rotation of shield.

WARNING

Make sure spring activated locking pin or collar slides freely and is seated firmly in tractor PTO spline groove.

Adjust the tractor lower 3-point arm anti-sway devices to prevent mower from swinging side to side during transport.

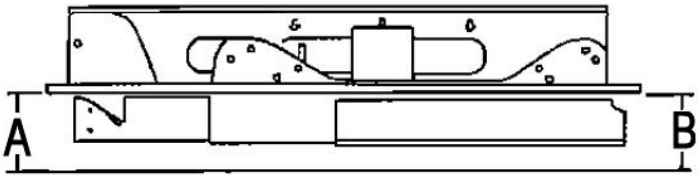
Cutting Height Adjustment (Figure 2)

IMPORTANT

- **Avoid low cutting heights. Striking the ground with blades produces one of the most damaging shock loads a mower can encounter. Allowing blades to contact ground repeatedly will cause damage to mower and drive.**

WARNING

Keep all persons away from operator control area while performing adjustments, service or maintenance.



(Figure 2)

Level mower from side to side. Check by measuring from mower frame to the ground at each deck rail. Adjust, using washers between the bottom of the wheel tube and the bushing of the fork.

Best mowing results will be obtained with front of mower level with or slightly lower than the rear.

Cutting height is controlled with front and rear caster wheel adjustment.

WARNING

Before working underneath, raise mower to highest position and block securely. Blocking up prevents mower dropping from hydraulic leak down, hydraulic system failures or mechanical component failures.

To raise mower, move caster adjustment spacers under wheel tubes.

5', 6', & 7' Deck Cutting Height (Figure 2)
The cutting height is the distance between the blade and the ground.

The blades are 4-11/16" below the top of the deck. To check cutting height, place a straight edge along top of the deck as shown in Figure 2.

Measure from bottom of straight edge to the ground from locations "A" and "B". Subtract 4-11/16" from measurement "B" to determine cutting height.

SPACERS REQUIRED UNDER CASTER ARM PIVOT TUBE		
CUTTING HEIGHT	**1/2" SPACER**	**1" SPACER**
1	**-----**	**-----**
1-1/2	**1**	**-----**
2	**-----**	**1**
2-1/2	**1**	**1**
3	**-----**	**2**
3-1/2	**1**	**2**
4	**-----**	**3**
4-1/2	**1**	**3**
5	**-----**	**4**
5-1/2	**1**	**4**

CUTTING HEIGHT CHART (Figure 3)
Remember, measurement at location "A" should be the same as location "B" and should not be over 1/8" greater than location "B".

Tractor Top Link Adjustment

Adjust tractor top link so mower is level at 16° between caster wheel and ground. This will allow the mower to follow the ground contour.

Front Caster Wheel Interference Check

IMPORTANT

- **Do not operate tractor and mower until this interference check has been performed. If you change tractors, you must perform the check for that mounting.**

Perform this check with all the spacers above the caster wheel arm. This will place the caster wheels in their highest position and provide the lowest cut height for the mower.

Raise mower with tractor hydraulics to 16” or maximum height of tractor lift, whichever is less.

Pivot both front caster wheels forward and check that there is clearance between caster wheels and tractor tires. If there is interference, you must move the lower link and adjust the tractor top link to obtain clearance.

Front Roller & Rear Roller (Optional)

The caster wheels and side skids effectively reduce scalping in most cases. However, you may encounter areas where the caster wheels and/or side skids drop into depressions and allow center of mower to contact ground and scalp. An optional front or rear roller or both may be installed to minimize scalping.

Pre-Operation Check List
(OWNERS RESPONSIBILITY)

1) Review and follow safety rules on pages 6 through 8.
2) Check that mower is securely and properly attached to tractor.
3) Make sure driveline-spring activated locking pin slides freely and is seated firmly in tractor PTO spline groove.
4) Operate tractor PTO at 540 RPM.
5) Lubricate all grease fitting locations. Make sure PTO shaft slip joint is lubricated.
6) Check to be sure gearbox is properly filled with, **Type 00 Grease**.
7) Check that all hardware is properly installed and secure.
8) Check to ensure blades are sharp and secure.
9) Check that all seals and guards are properly installed and in good condition.
10) Check cutting height and altitude adjustment.
11) Place tractor PTO and transmission in neutral before starting engine.
12) Inspect area to be cut and remove stones, branches or other hard objects that might be thrown, causing injury and damage.

IMPORTANT

- **Mower vibration tends to loosen bolts during operation. All hardware should be checked regularly to maintain proper torque. It is a good practice to check mower before each operation to ensure all hardware is secure.**

Operating Techniques

Power for operating mower is supplied by tractor PTO. Operate PTO at 540 rpm. Know how to stop tractor and mower quickly in case of an emergency.

Should mower become plugged, causing belt to slip for over two seconds, maneuver equipment into a previously cut area and allow mower to clear accumulated material. Continue running at least two minutes, allowing pulleys to cool. Stopping the mower in contact with a very hot pulley will bake and ruin the belt.

WARNING

- **Stop tractor and implement immediately upon striking an obstruction. Turn off engine, remove key, inspect and repair any damage before resuming operation.**

(Continued on next page)

(Continued from previous page)

Proper ground speed will depend upon the terrain, the height, type and density of the material to be cut.

Normally, ground speed will range from two to five mph. Tall dense material should be cut at a low speed; thin medium-height material can be cut at a faster ground speed.

Always operate tractor PTO at 540 RPM. This is necessary to maintain proper blade speed and produce a clean cut.

Under certain conditions, tractor tires may roll some grass down and prevent it from being cut at the same height as the surrounding area. When this occurs, reduce your ground speed, but maintain your PTO at 540 RPM. The lower ground speed will permit grass to at least partially rebound.

In general, lower cutting heights give more even cut with less tendency to leave tire tracks. However, it is better to cut grass frequently rather than to short. Short grass deteriorates rapidly in hot weather and invites weed growth during growing seasons. Follow local recommendations for the suitable cutting height in your area.

Mowing Tips

WARNING

Inspect and Clear area of stones, branches or other hard objects that might be thrown, causing injury or damage.

Extremely tall material should be cut twice. Set mower at a higher cutting for the first pass. Then cut at desired height 90° to the first pass.

Remember, sharp blades produce cleaner cuts and require less power.

Analyze area to be cut to determine the best procedure. Consider height and type of grass and terrain type: hilly, level or rough.

Plan your mowing pattern to travel straight forward whenever possible. Mow with uncut grass to the right side for side discharge units. This will distribute the clippings over the cut area. Discharging clippings over uncut grass will cause a build up and may prevent uniform cutting.

Uneven Terrain

WARNING

- **Do not operate on steep slopes.**
- **Do not stop, start or change directions suddenly on slopes.**
- **Use extreme care and reduce ground speed on slopes and rough terrain.**
- **Watch for hidden hazards on the terrain during operation.**
- **Pass diagonally through sharp dips and avoid sharp drops to prevent “hanging up” tractor and mower.**

Practice will improve your skills in maneuvering rough terrain.

Transporting

- Use a Slow Moving Vehicle (SMV) emblem that is visible from the rear and proper lighting on the tractor when transporting the mower.
- Do not drive the tractor and mower over 20 MPH (30KPH) on the best surface conditions. Reduce speed when going up or down hills and when approaching ditches or corners. Towing vehicle must weigh more than towed implement.
- Disengage PTO and allow all moving parts to completely stop.

(Continued on next page)

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- Avoid travel on public roads at night. Always comply with all state and local lighting and marking requirements.

- Raise groomer to highest position for transport.

- Watch low hanging Overhead Power Lines during transport. Avoid contact as this can cause serious injury or death.

Unhooking Mower From Tractor

WARNING 

Be sure bystanders are clear. Do not stand between mower and tractor. Shut off tractor and engage parking brake prior to dismounting.

Disengage tractor PTO, raise mower.

Lower mower onto blocks spaced so th4e side skids sit on the blocks. Stop engine, set parking brake, and remove key before dismounting tractor.

Disconnect mower driveshaft from tractor PTO. Collapse driveshaft as far as possible and attach to the top link of the groomer with the chain provided to prevent ground contact.

Disconnect mower from tractor 3 point hitch, and carefully drive tractor away from mower.

STORAGE

- Clean all debris from groomer deck and driveline.

- Store groomer on a level surface sheltered from the weather.

- Store groomer supported on blocks to allow air circulation beneath groomer.

- Support tractor end of driveline to keep off the ground

- Keep playing children and bystanders away from storage area.

OWNER SERVICE

The information in this section is written for operators who posses basic mechanical skills. Should you need help, your dealer has trained service technicians available.

LUBRICATION INFORMATION

Do not let excess grease collect on or around parts, particularly when operating in sandy areas.

Figure 4 shows the lubrication points. The accompanying chart gives the frequency of lubrication in operating hours, based on normal operating conditions. Severe or unusual conditions may require more frequent lubrication. Some reference numbers have more than one location: be sure you lubricate all locations.

Use lithium grease of #2 consistency with a MOLY (molybdenum disulfide) additive for all locations. Be sure to clean fittings thoroughly before attaching grease gun. When applied according to the lubrication chart, one good pump of most guns is sufficient.

Drive Shaft Lubrication (Figure 4)

Lubricate the drive shaft slip joint every 8 operating hours. Failure to maintain proper lubrication could result in damage to U-joints, gearbox and drive shaft.

Lower mower to the ground.
Apply grease as shown in Figure 4.
Raise and lower mower several times to distribute grease. Type 00 grease gear lube in the gearbox. Check gearbox by removing side port plug. Add oil through top port until oil reaches recommended level. See page 19.

Gearbox Lubrication

Check gearbox daily for evidence of leakage at both seals and the gasket between the housing and cover. If leakage is noted, repair immediately. There may be a small amount of lube emitted from the vent plug: this is not considered leakage.

Overfilling the gearbox will cause excess grease to blow out of vent plug. The gear lube could then ruin the belt.

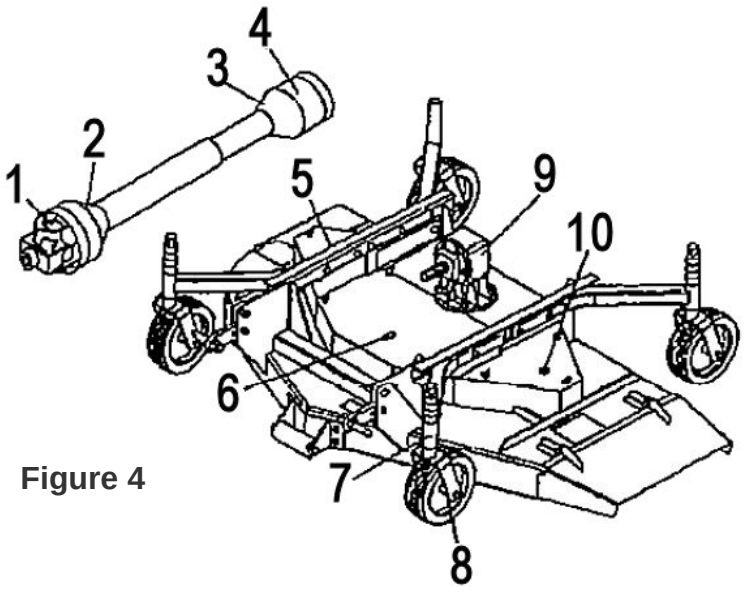


Figure 4

REF. #	DESCRIPTION	FREQ.
1	FRONT U-JOINT	8 HRS.
2	OUTER SHAFT	8 HRS.
3	INNER SHAFT	8 HRS.
4	REAR U-JOINT	8 HRS.
5	RIGHT SPINDLE	10 HRS.
6	CENTER SPINDLE	8 HRS.
7	CASTER PIVOT (All 4)	8 HRS.
8	CASTER WHEEL (All 4)	8 HRS.
9	GEARBOX (Type 00 GREASE)	CHECK DAILY
10	LEFT SPINDLE	10 HRS.

BELT REPLACEMENT (FIGURE 5)

One of the major causes of belt failure is improper installation. Before a new belt is installed, check pulley shafts and bearings for wear. Check pulley grooves for cleanliness. Make sure pulleys turn freely and without wobble. If grooves require cleaning, moisten a cloth with a non-flammable, non-toxic degreasing agent or commercial detergent and water.

Avoid excessive force during installation. Do not use tools to pry belt into pulley groove. Do not roll belt over pulleys to install. This can cause hidden damage and premature belt failure.

IMPORTANT

- **Use care when installing or removing belt from spring loaded idler. Springs store energy when extended and, if released suddenly, can cause personal injury.**

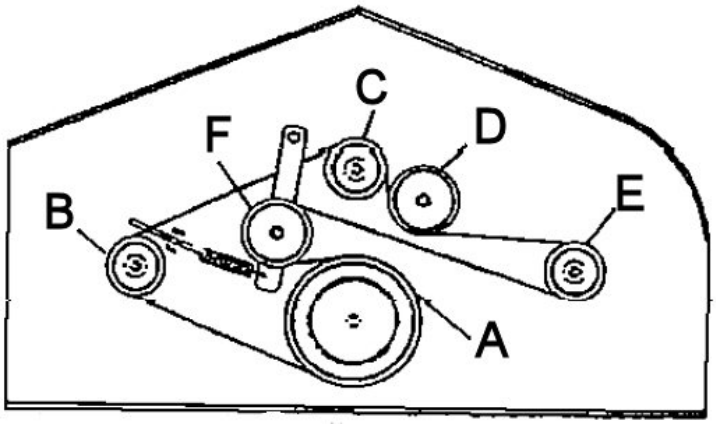


Figure 5 - 5’ & 6’ Deck Belt Layout

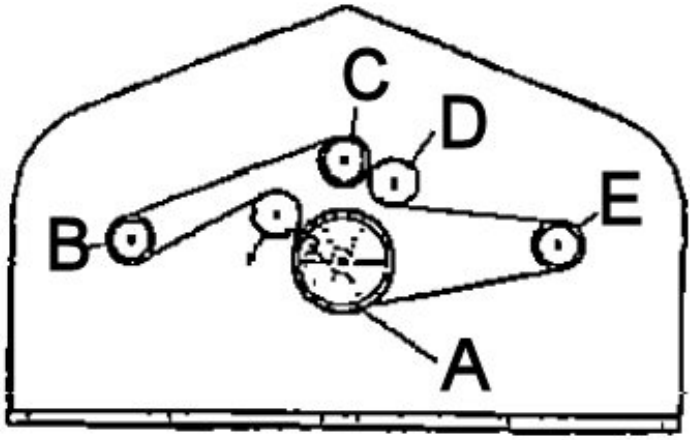


Figure 5A - 7’ Deck Belt Layout

1) Loosen spring by loosening nuts on spring rod and remove belt.
2) Slide belt under drive pulley “A” and over idler arm. Position belt around drive pulley “A”.
3) Route belt around pulley “B”, pulley “C”, idler “D”, and pulley “E” as shown.
4) Make sure belt is on drive pulley “A”, route around idler “F”, and tighten idler spring by tightening the nuts on the spring rod.
5) Make sure spring loaded idler “F” pivots freely with belt installed.

BLADE SERVICING

Inspect blades for condition and proper installation each time before operation. Replace any blade that is bent, excessively nicked, worn or has any other damage. Small nicks can be ground out when sharpening.

Blade Removal

Replace blade bolt. 5’ & 6’ have LEFT HAND THREADS. remove washer and blade.

Install blade, flat washer, and blade bolt. Torque blade bolt to 100-lbs.-ft.

BLADE SHARPENING (FIGURE 6)

Remove the blades.

Always sharpen both ends at the same time to maintain balance. Follow original sharpening pattern. Do not sharped blade to a razor edge. Leave from 1/32” to 1/16” blunt edge. Do not sharpen back side.

IMPORTANT

- **When sharpening blades, be sure to balance them. Unbalanced blades will cause excessive vibration which can damage blade spindle bearings. Vibration may also cause structural cracks in mower components.**

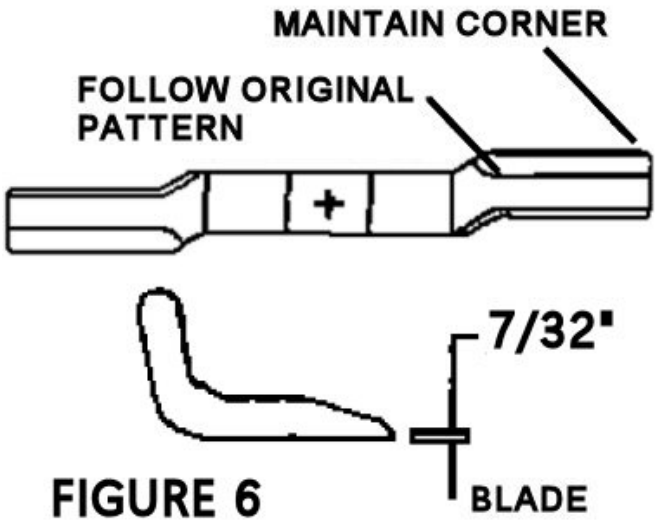


FIGURE 6

DEALER SERVICE

Information in this section is written for dealer service personnel. The repair described herein requires special skills and tools. If your shop is not properly equipped or your mechanics are not properly trained in this type of repair, you may be time and money ahead to replace complete assemblies.

Spindle Repair

Blade Spindle Removal

- Remove belt shield.
- Remove blade from spindle. (See blade removal on page 10 in Owner Service section.)
- Remove belt from pulleys.
- Remove spindle bolt with grease zerk.
- Remove pulley.
- Remove the bolts attaching spindle to mower deck and remove spindle.

Spindle Repair Tips

As a reference point, the top of the spindle housing is the portion with the machined mounting surface. The spindle washer is press fit on the shaft and will require a press or similar device for removal.

Blade Spindle Disassembly

- Support spindle in a press by the spindle washer and push shaft down through the spindle washer.
- Remove the four socket head bolts holding the two housing halves together.
- Separate the two housing halves.
- Remove the shaft with the bearings assembled to it.
- To remove the bottom bearing cone and cup remove the bottom seal then remove the retaining ring. Remove the bottom bearing cone and cup.
- To remove the top bearing cone and cup remove the bottom seal then remove the retaining ring.

Blade Spindle Assembly

- Lubricate new cups with light oil.
- Place bottom bearing cup onto shaft with the taper facing the bottom of the shaft.
- Place bottom bearing cone onto shaft with taper facing the top of the shaft.
- Install one of the retaining rings below the bottom bearing cone. Place the seal on the shaft below the retaining ring.
- Place top bearing cup onto shaft with the taper facing the top of shaft.
- Place top bearing cone onto shaft with the taper facing the bottom of shaft.
- Install one of the retaining rings above the top bearing cone.
- Place the seal on the shaft above the retaining ring for the top bearing cone. Install the third retaining ring onto the shaft above the top seal.
- Insert the shaft and bearing assembly into one of the housing halves making sure that the bearings and seals all fit snugly into their grooves. Apply some sealant to the housing half.
- Carefully place the other housing half over the bearings and seals making sure not to damage the seals.
- Install the four socket head bolts. Tighten them to 35 -40 FT LBS. Be careful not to over tighten bolts.
- Insert the bottom of the shaft through the spindle washer. Press the spindle onto the shaft until it is seated firmly against the step in the shaft.

Blade Spindle Installation

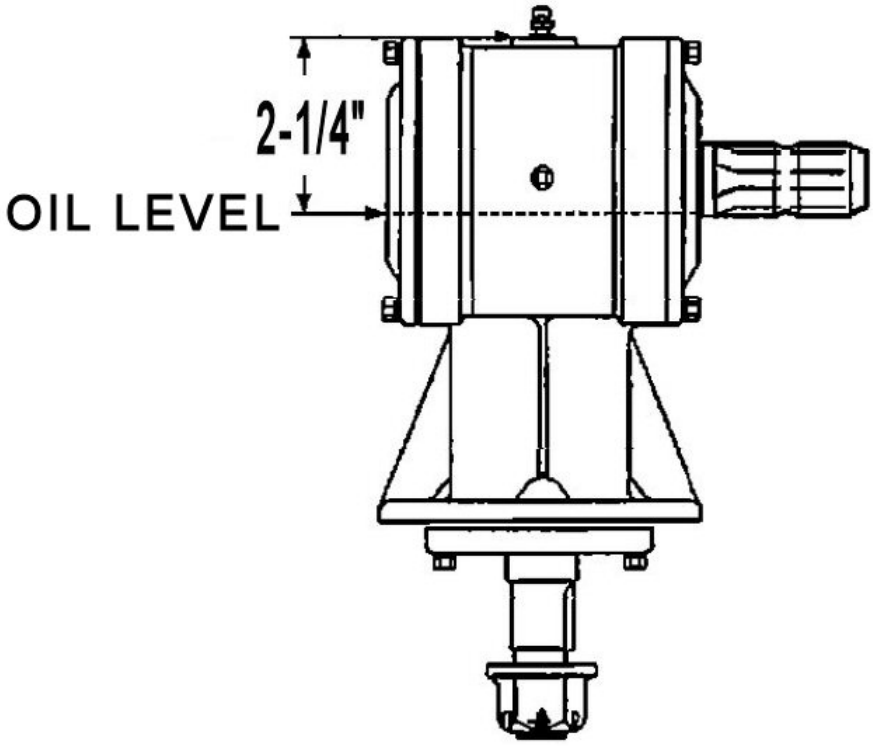
- Insert the spindle through the bottom of the mower deck and secure with bolts, flat washers, lock washers, and hex nuts previously removed.

- Install pulley with set screw located closest to deck. Tighten set screws.

- Install the spindle bolt with grease zerk along with flat washer and lock washer previously removed. Tighten the spindle bolt to 89 Ft -Lbs. Be careful not to over tighten this bolt as it could damage the spindle as well as the grease canal.

- Fill the spindle with lithium grease of #2 consistency with a MOLY (molybdenum disulfide) additive.

OMNI GEARBOX
Lubrication Insert Page For 60” & 72” Mowers

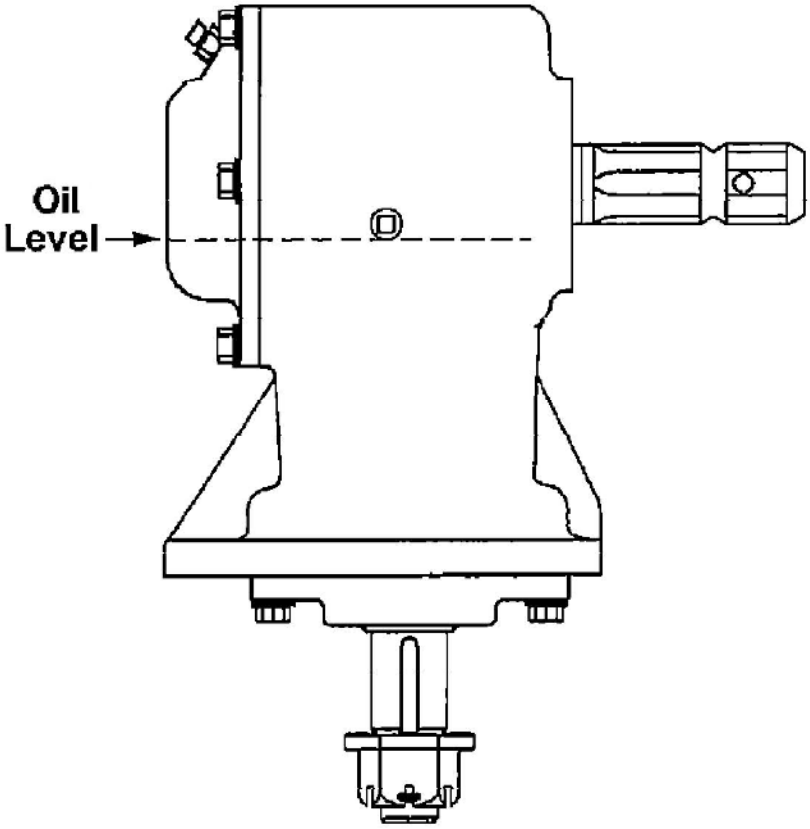


GEARBOX LUBRICATION

Fill gearbox with 16 ounces of Type 00 Grease. Check gearbox daily for evidence of leakage at both seals and the gasket between the housing and cover. If leakage is noted, repair immediately.
There may be a small amount of lube emitted from the vent plug: This is not considered leakage.

Overfilling the gearbox will cause the excess gear lube to blow out vent plug. The gear lube could then ruin the belt.

OMNI GEARBOX
Lubrication Insert Page For 84” Mower



GEARBOX LUBRICATION

Fill gearbox with 23 ounces of Type 00 Grease. Check gearbox daily for evidence of leakage at both seals and the gasket between the housing and cover. If leakage is noted, repair immediately.
There may be a small amount of lube emitted from the vent plug: This is not considered leakage.

Overfilling the gearbox will cause the excess gear lube to blow out vent plug. The gear lube could then ruin the belt.

TROUBLE SHOOTING
MOWING CONDITIONS

PROBLEM	POSSIBLE CAUSE	SOLUTION
Grass cut higher in center of swath than at edge.	Height of mower higher at front than at rear.	Adjust mower height and altitude so that mower rear and front are within 1/2” of same height. (See instructions.)
	Loose blade.	Check blade bolt for tightness. Replace if not holding.
Grass cut lower in center of swath than at edge.	Height of mower lower at front than at rear.	Adjust mower height and altitude so that mower rear and front are within 1/2” of same height. (See instructions.)
	Loose blade.	Check blade bolt for tightness. Replace if not holding.
Streaking conditions in swath.	Conditions to wet for mowing.	Allow grass to dry before mowing.
	Blades unable to cut that part of grass pressed down by the path of tractor tires.	Slow ground speed of tractor but keep engine running at full PTO rpm. Cutting lower will help. Adjust tractor tire spacing if possible.
	Dull blades.	Sharpen or replace blades.
	Loose blade.	Check blade bolt for tightness. Replace if not holding.
Material discharges from mower unevenly: bunches of material along swath.	Material too high and too much material.	Reduce ground speed but maintain 540 rpm at tractor PTO or make two passes over material. Raise mower for the first pass and lower to desired height for the second and cut at 90° to first pass. Raise rear of mower high enough to permit material to discharge, but not so high that conditions listed above occur.
	Grass wet.	Allow grass to dry before mowing. Slow ground speed of tractor but keep engine running at full PTO rpm.
	Rear of mower too low, trapping material under mower.	Adjust mower height and altitude. (See Instructions.)

TROUBLE SHOOTING
BELT CONDITIONS

PROBLEM	POSSIBLE CAUSE	SOLUTION
Belt slippage.	Mower overloading; material too tall or heavy.	Reduce tractor ground speed but maintain full PTO rpm. Cut material twice, one high pass and then mow at desired height.
	Oil on belt from over lubrication.	Be careful not to over lubricate. Clean lubricant from belt and pulleys with clean rag. Replace oil soaked belt.
	Belt hung up or rubbing.	Check belt position in pulleys and idlers. Check belt for free travel in pulleys. Check under mower and around blade spindle shaft for wire, rags or other foreign material.
Frayed edges on belt cover.	Belt misaligned.	Re-align belt. Be sure belt does not rub any other part while running.
	Pulley misalignment.	Inspect to ensure belt is running in center of backside idler. Shim idler as necessary to align.
		Re-align.
		Replace belt.*
Belt rollover.	Pulley misalignment. Damaged belt. Foreign object in pulley grooves.	Inspect to ensure belt is running in center of backside idler. Shim idler as necessary to align.
		Replace pulley.
		Replace belt.*
Damaged belt.	Worn pulley groove.	Avoid abusive mowing. Avoid hitting the ground or large obstructions.

*Check belt for damage by laying it flat on the floor. If belt does not lie flat (has humps or twists), which indicates broken or stretched cords, it must be replaced.

ASSEMBLY INSTRUCTIONS

Assembly of the mower is the responsibility of the Taylor Pittsburgh dealer. It should be delivered to the owner completely assembled, lubricated and adjusted for normal conditions.
The mower is shipped partially assembled. Assembly will be easier if components are aligned and loosely assembled before tightening hardware. Recommended torque values for hardware are located on page 3. All bolts are Grade 5 unless specified otherwise. Select a suitable working area. Lay out parts and hardware to make location easy. Refer to illustrations, accompanying text, parts list and exploded view drawings.

ASSEMBLY PROCEDURE

Remove top of shipping crate. Remove the groomer from it's crate and set on a level surface.

Caster Wheel Arms & Wheel (Figure 18) 5' & 6' Decks

Remove wheel arms from deck. Assemble wheel arms to deck with previously removed hardware. Assemble the rear tubes in the top set of holes for a side discharge and in the bottom holes for the rear discharge.

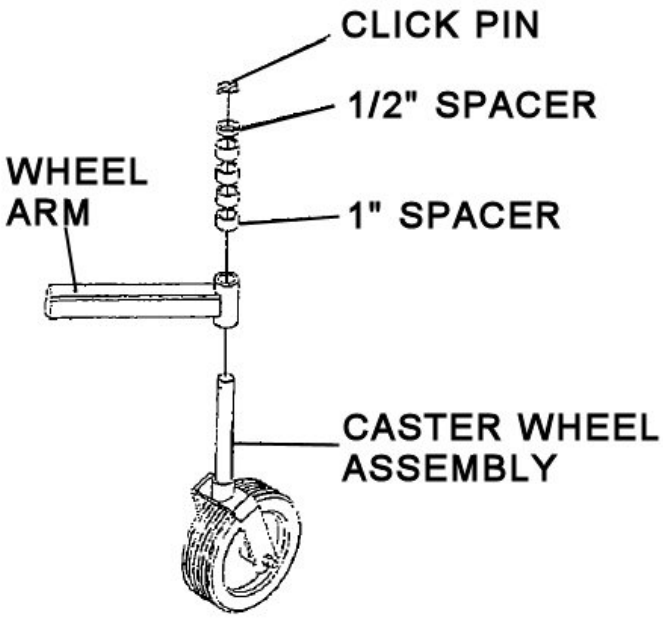


Figure 18

Remove the click pin and spacers from one of the caster wheels. Assemble to a wheel arm. Repeat for the remaining caster wheels and arm assemblies.

7' Deck Caster Arms & Wheel

Remove rear wheel arms from deck. Assemble rear wheel arms to deck using the lower set of holes (closest to deck) for 10" wheels. Use the top set of holes for the 13" tires.

Remove the click pin and spacers from one of the caster wheels. Assemble to wheel arm. Repeat for the remaining caster wheels and arm assemblies.

A-Frame Assembly (Figure 19) 5' & 6' Decks

Loosen 5/8" bolts in rear struts. Remove 5/8" bolts, 5/8" flat washers, and 5/8" locknut from A-frame braces. Pivot A-frame brace and rear strut assembly until A-frame braces will fit between hitch plates. Assemble the A-frame braces to the deck using the previously removed hardware. Install the 5/8" flat washers on the inside of the A-frame braces.

Assemble the A-frame braces, the rear struts, the upper link assembly, the spacer and the 5/8" bolt and nut together.

Assemble the A-frame assembly to the 5/8" bolts in the lower links as well as the bolts in the rear. Install the 5/8" lock washers, nuts, and tighten.

7' Deck A-Frame Assembly

Loosen the 5/8" bolt in the A-frame bundle. Loosen the 5/*8" bolt holding the lower link into the frame. Loosen the 5/*8" bolts in the back of the groomer that are used for the A-frame struts.

Assemble the A-frame braces, the rear struts, the upper link assembly, the spacer and the 5/8" bolt and nut together.

Assemble the A-frame assembly to the 5/8" bolts in the lower links as well as the bolts in the rear . Install the 5/8" lock washers, nuts and tighten.

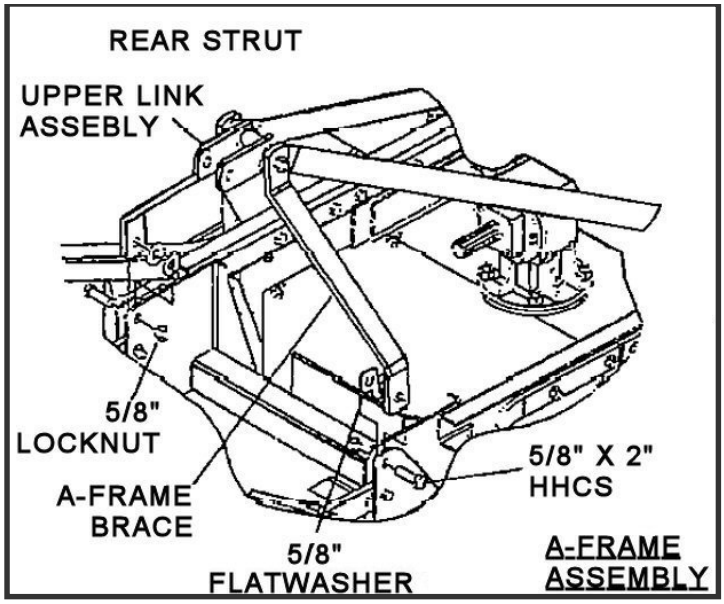


FIGURE 19

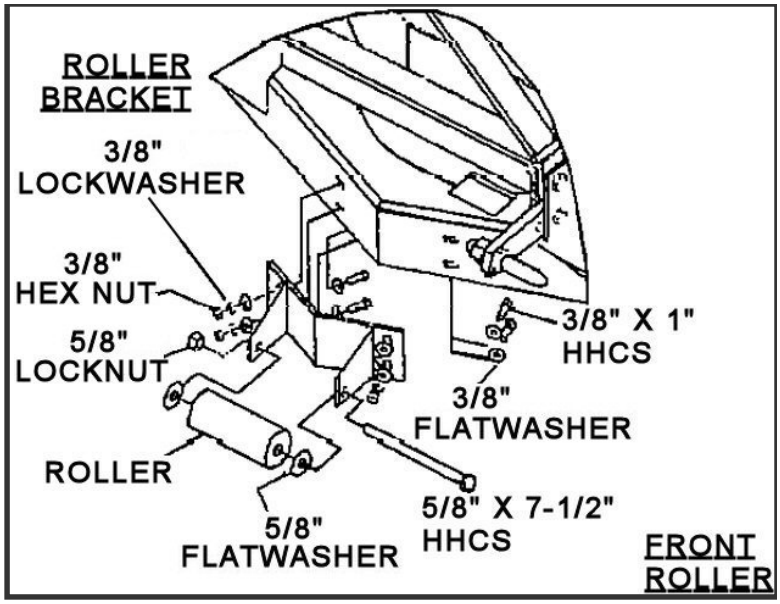


FIGURE 20

PTO Driveline

Position the driveline with inner end toward the gearbox. Depress button on yoke and slide yoke onto splined shaft of gearbox. Release button.

Continue feeding yoke onto shaft until button releases completely thereby locking driveline on shaft. Be sure driveline is secure by pulling to see that it cannot be removed.

Discharge Chute

Loosen 3/8” bolts. Pivot discharge chute down into operating position. Tighten 3/8” bolts.

Optional Front Roller Installation (Fig. 20)

Insert four 3/8” x 1 bolts through the front of the mower from inside out.

Put front roller assembly over the 3/8” x 1” bolts then install the 3/8” flat washers, lock washers, 3/8” nuts and tighten.

Optional Rear Roller Installation (Side Discharge Only) (Figure 21)

Insert 3/8” x 2” carriage bolts through the backup plate then the rear of the mower from the outside in.

Put rear roller assembly over the carriage bolts then install thew 3/8” lock washers, and the 3/8” hex nuts, and tighten.

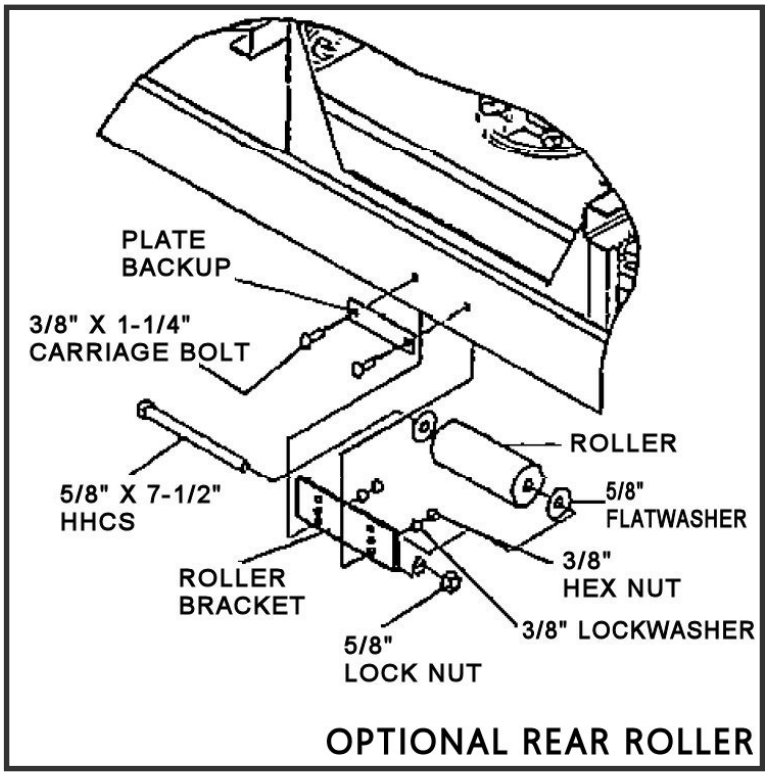


FIGURE 21

Chain Shields (Figure 22)

Remove the deck shelf from the deck. Install the chain shield using the existing 3/8” x 1” carriage bolts, 3/8” x 1” bolts, with 3/8” flat washers, 3/8” lock washers, and 3/8” hex nuts and tighten.

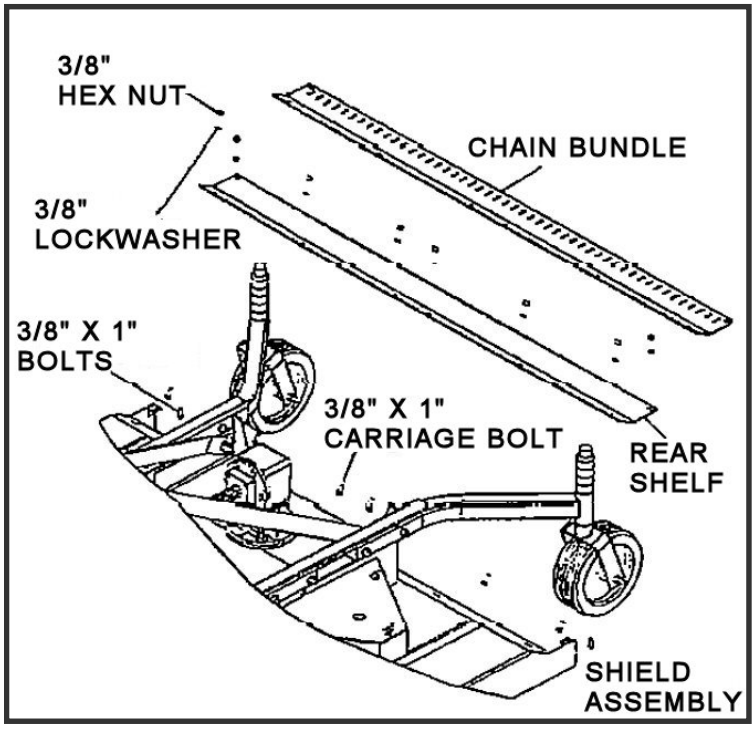


FIGURE 22

Pre Delivery Checklist (DEALER RESPONSIBILITY)

Inspect the mower thoroughly after assembly to be certain it is set up properly before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment is made.

____ Check all bolts to be sure they are tight.

____ Check that all cotter pins are properly installed.

____ Check that all lubrication points with grease fitting, driveline and spindles have been lubricated.

____ Check that blades have been properly installed.

____ Check mower attitude and belt alignment.

____ Check that gearbox is properly serviced and seals are not leaking.

Delivery Checklist (DEALER RESPONSIBILITY)

____ Show customer how to make adjustments.

____ Explain importance of lubrication to customer and point out lubrication points on mower.

____ Point out safety features and options.

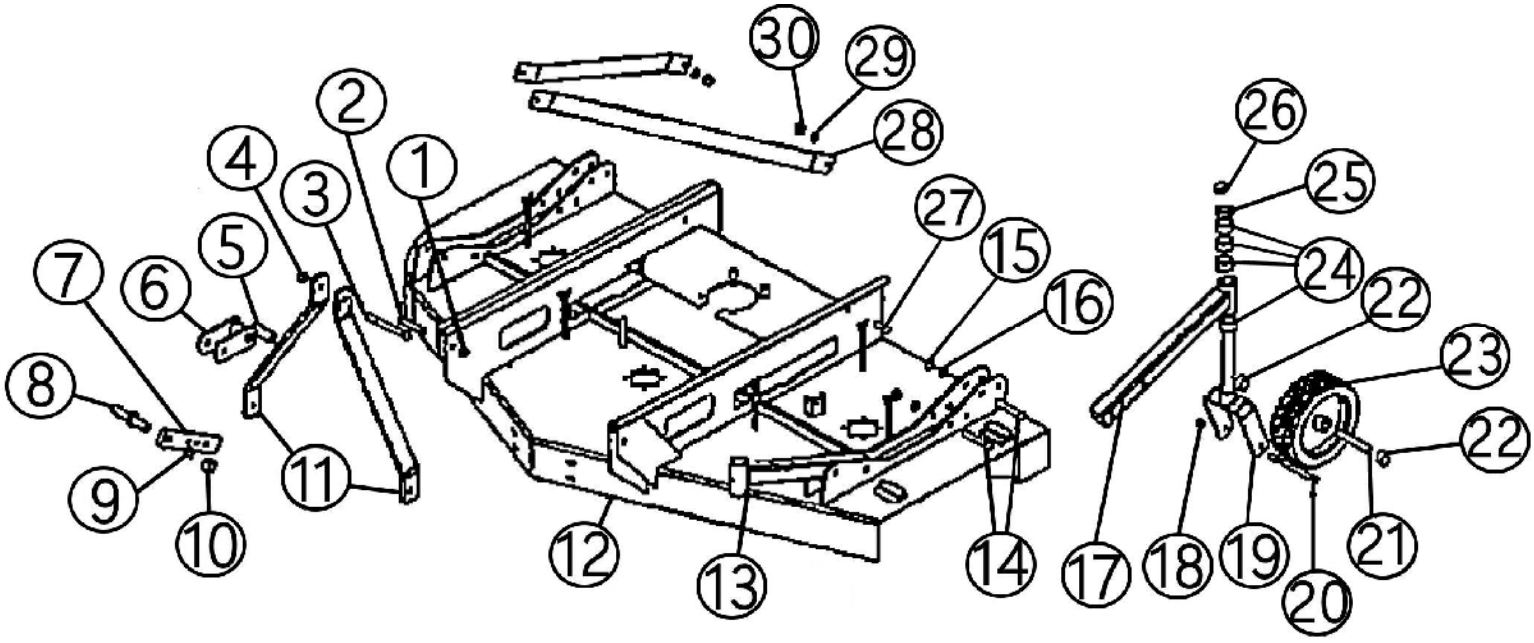
____ Present Operators Manual and ask customer to become familiar with all sections.

____ Explain to customer that when mower is trans ported on a road or highway, safety devices should be used for adequate warning to operators of the vehicles.

PARTS INDEX

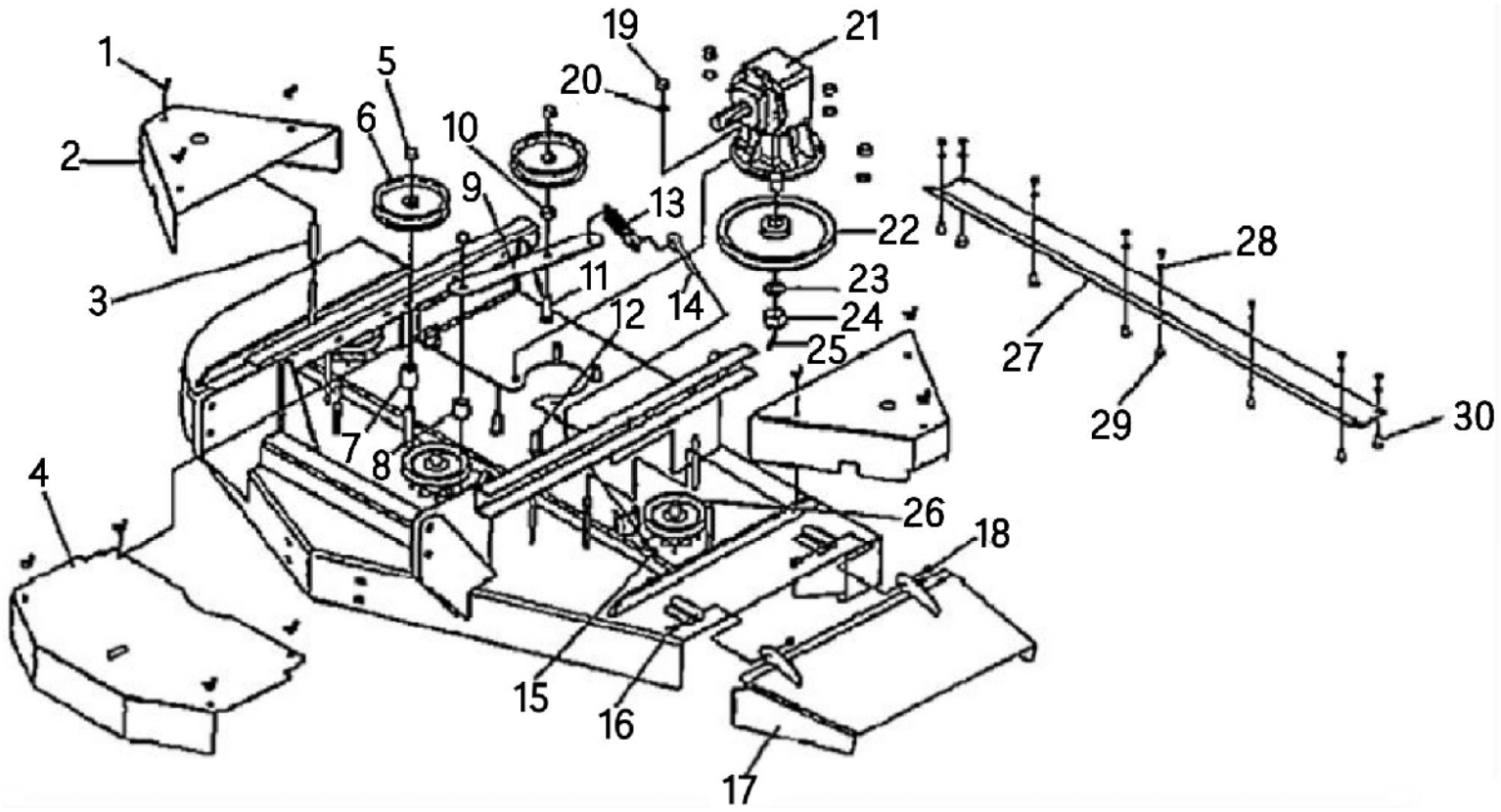
ITEM **PAGE**

5’ & 6’ HITCH & WHEEL ARM COMPONENTS



ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	304021	NUT/HEX LOCK 5/8 NC	2	20	303664	HHCS 1/2 X 6-1/2 GR5	4
2	303680	HHCS 5/8 X 3 GR5	2		304020	NUT/HEX LOCK ½NC	4
3	303685	HHCS 5/8 X 5-1/2 GR5	1	21	813404	SLEEVE/WHEEL BOLT	4
4	304021	NUT/HEX LOCK 5/8 NC	1	22	810155	WHEEL SPACER	8
5	505772	TUBE/SPACER	1	23	813388	WHEEL/SOLID – 10”	4
6	505771	UPPER LINK ASSY	1		810158	WHEEL/PNEUMATIC – 10”	4
7	815524	ARM/LOWER LINK	2		810214	TUBE/INNER 4.10/3.50 X 4	-
8	203266	CAT I LINK PIN w/HARDWARE	2		806760	BUSH/WHL PNEUN TIRE	-
9	303958	WASHER/LOCK 7/8	2		813835	BUSH/WHL SOLID TIRE	-
10	304082	NUT/HEX 7/8 NF	2	24	810159	SPACER/CASTER 1”	16
11	814673	A-FRAME TOWER	2	25	810158	SPACER/CASTER 1/2”	4
12	815509	5’ SIDE DISCH DECK ASSY	1	26	505578	CLICK PIN	2
	815511	6’ SIDE DISCH DECK ASSY	1	27	303674	HHCS 5/8 X 1-1/2 GR5	2
	815513	5’ REAR DISCH DECK ASSY	1	28	813362	A-FRAME PULL BAR	2
	815515	6’ REAR DISCH DECK ASSY	1	29	303956	WASHER/LOCK 5/8	2
13	814669	WHEEL TUBE ASSY	-	30	304008	NUT/HEX 5/8 NC	-
	813408	FLANGED BUSHING		-	815995	SAFETY DECAL SHEET	
14	303681	HHCS 5/8 X 3-1/2 GR5	8				
15	304008	NUT/HEX 5/8 NC	8				
16	303956	WASHER/LOCK 5/8	8				
17	814669	WHL TUBE ASY-SIDE DISC	2				
	813464	WHL TUBE ASY-REAR DISC	2				
18	304020	NUT/HEX LOCK 1/2 NC	2				
19	813331	CASTER FORK ASSY	4				

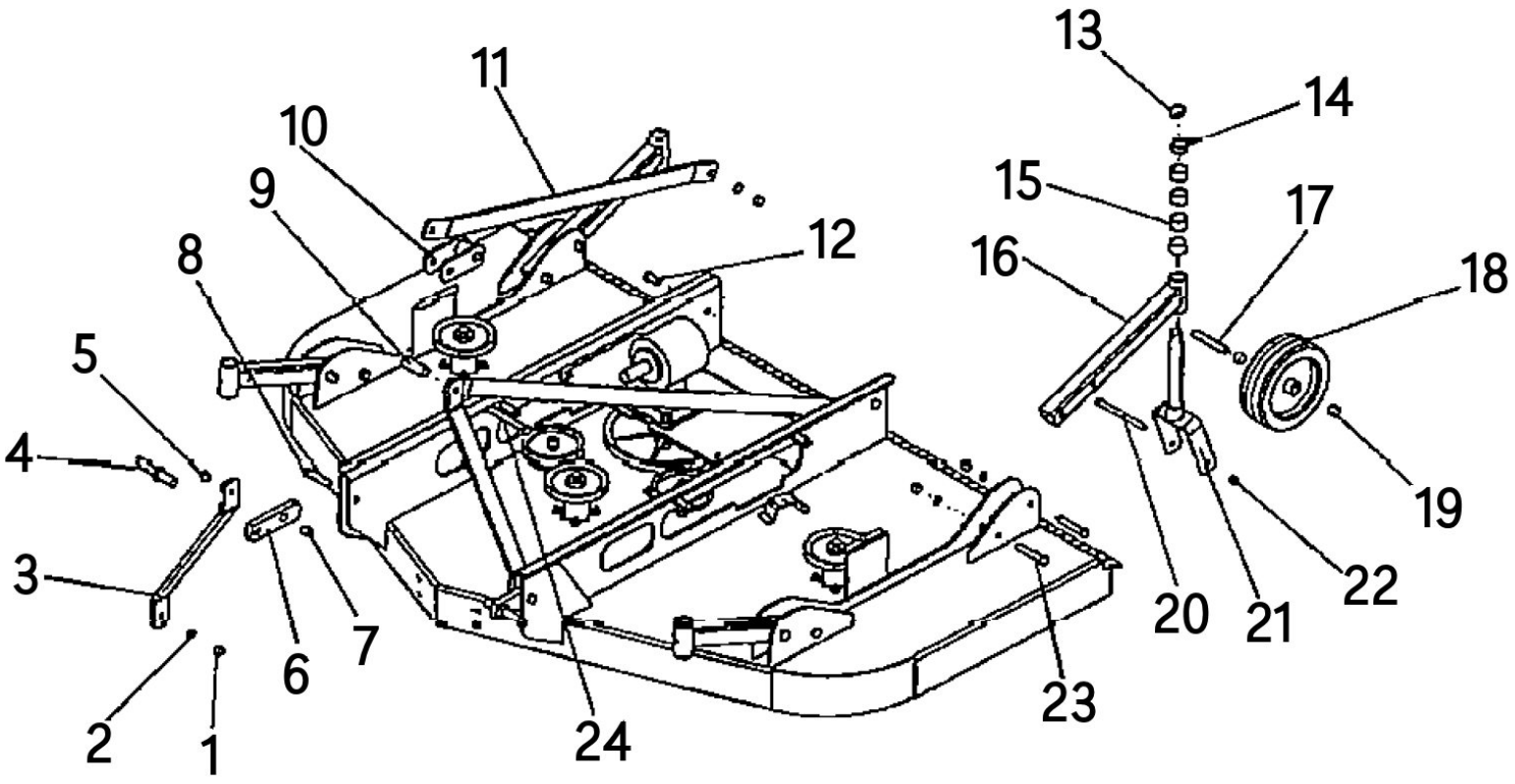
5’ & 6’ SHIELDS & PULLEYS COMPONENTS



ITEM	PART #	DESCRIPTION	QTY
1	304214	WING NUT 3/8”	10
2	813390	BELT SHIELD/SIDE 5 FT.	2
	813374	BELT SHIELD/SIDE 6 FT.	2
3	813419	SHIELD SPACER	8
	304071	3/8” FLANGED NUT	8
4	813373	CENTER SHIELD	1
5	304021	5/8” LOCK NUT	3
6	505569	IDLER PULLEY	2
7	813359	SPACER/IDLER PULLEY	1
8	813371	SPACER/IDLER ARM	1
9	813358	IDLER ARM	1
10	813370	SPACER / IDLER	1
11	303676	HHCS 5/8” X 2” GR 5	1
12	303674	HHCS 5/8” X 1-1/2” GR 5	2
13	813407	EXTENSION SPRING	1
14	813414	SPRING ADJUSTMENT ROD	1
15	304005	3/8” NUT	10
16	303611	HHCS 3/8” X 3/4” GR 5	2
17	813387	CHUTE—5 FT.	1
	813379	CHUTE—6 FT.	1

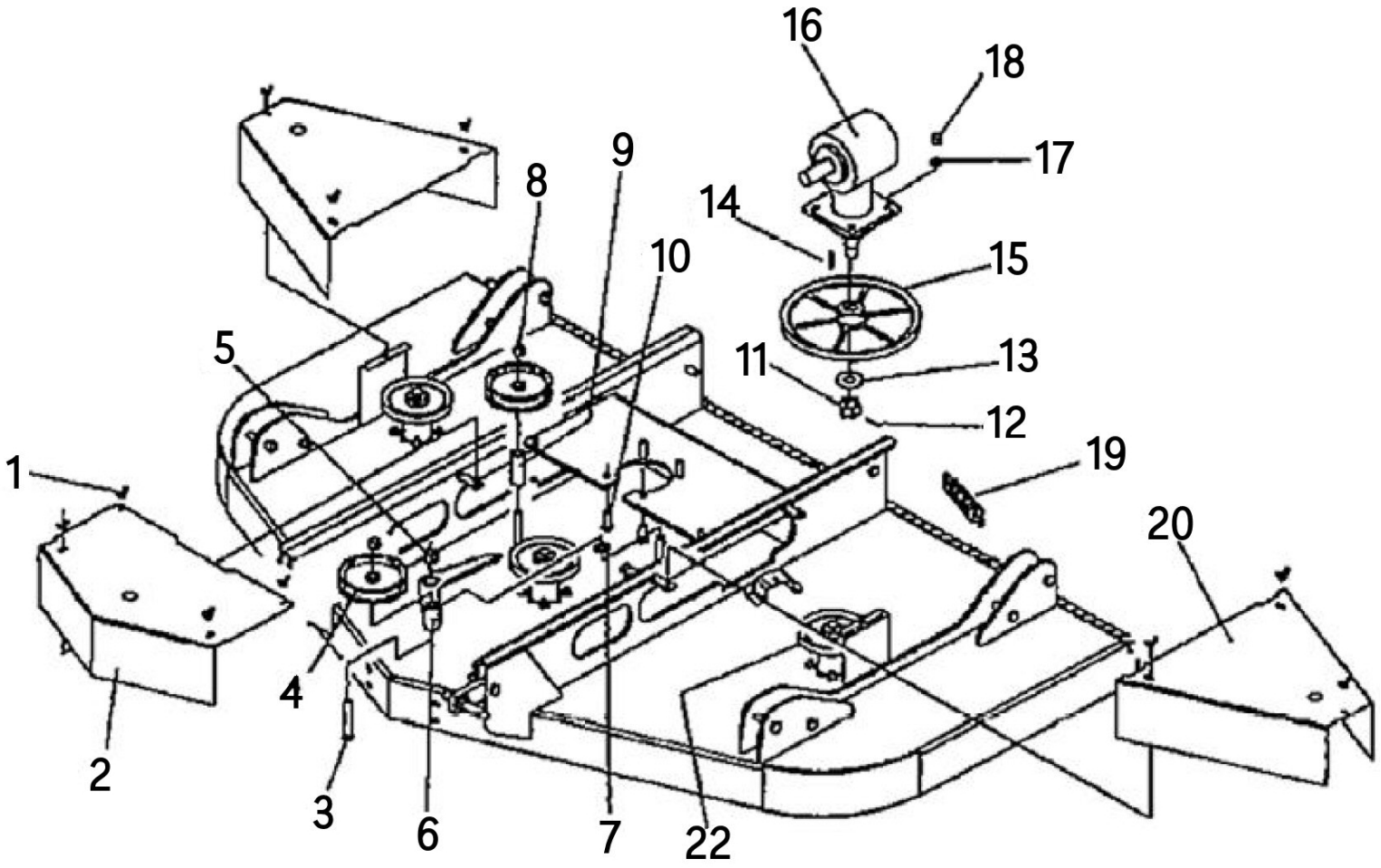
ITEM	PART #	DESCRIPTION	QTY
18	304018	3/8” LOCK NUT	2
19	304008	5/8” NUT	4
20	303956	5/8” LOCKWASHER	4
21	813681	GEARBOX OMNI	1
	303964	KEYSTOCK 1/4” X 3/4”	1
22	813351	DRIVE PULLEY 6 FT.	1
	813352	DRIVE PULLEY 5 FT.	1
	303939	SET SCREW 3/8” X 3/4”	2
23	303959	1” LOCK WASHER	1
24	304046	SLOTTED NUT 1”-14UNF	1
25	809286	COTTER PIN	1
26	813382	PULLEYS	3
27	813392	5 FT. REAR SHELF	-
	813393	6 FT. REAR SHELF	-
28	303840	CARRIAGE BOLT 3/8” X 1” GR 5	5
29	303953	3/8” LOCKWASHER	8
30	303612	HHCS 3/8” X 1” GR 5	2
	304005	3/8” NUT	8
-	813574	V-BELT B-144—5 FT.	-
-	813575	V-BELT B-158—6 FT.	-

7’ HITCH & WHEEL ARM COMPONENTS



ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	304008	5/8” NUT	15	17	813404	AXLE BOLT	4
2	303956	5/8” LOCKWASHER	15	18	813388	SOLID WHEEL	4
3	814673	A-FRAME STRUT	2		813835	BUSHING / SOLID WHEEL	-
4	203266	LINK PIN CAT. I	2		810156	PNEUMATIC WHEEL	4
5	304021	5/8” LOCKNUT	1		810214	INNER TUBE	-
6	814679	LOWER LINK	2		806760	BUSHING/ PNEU. WHEEL	-
7	814680	BUSHING .88 OD X .66 ID X .81	2	19	810155	WHEEL SPACER	8
8	303680	HHCS 5/8” X 3” GR 5	2	20	303664	HHCS 1/2” X 6-1/2” GR 5	4
9	505772	UPPER SPACER	1	21	813331	WHEEL FORK	4
10	505771	UPPER LINK ASSEMBLY	1	22	304020	1/2” LOCK NUT	4
11	814674	A-FRAME BRACE	2	23	303681	HHCS 5/8” X 3-1/2” GR 5	8
12	303674	HHCS 5/8” X 1-1/2” GR 5	2		303958	5/8” LOCK WASHER	8
13	505576	CLICK PIN 1/4”	4		304008	5/8” NUT	8
14	810158	1/2” ADJUSTMENT SPACER	4	24	303685	HHCS 5/8” X 5-1/2” GR 5	1
15	810159	1” ADJUSTMENT SPACER	16	-	814661	7’ DECK WELDMENT	-
16	814669	WHEEL ARM ASSEMBLY	4	-	815995	SAFETY DECAL SHEET	-
	813408	FLANGED BUSHING	8				
	304194	GREASE ALAMITE	4				

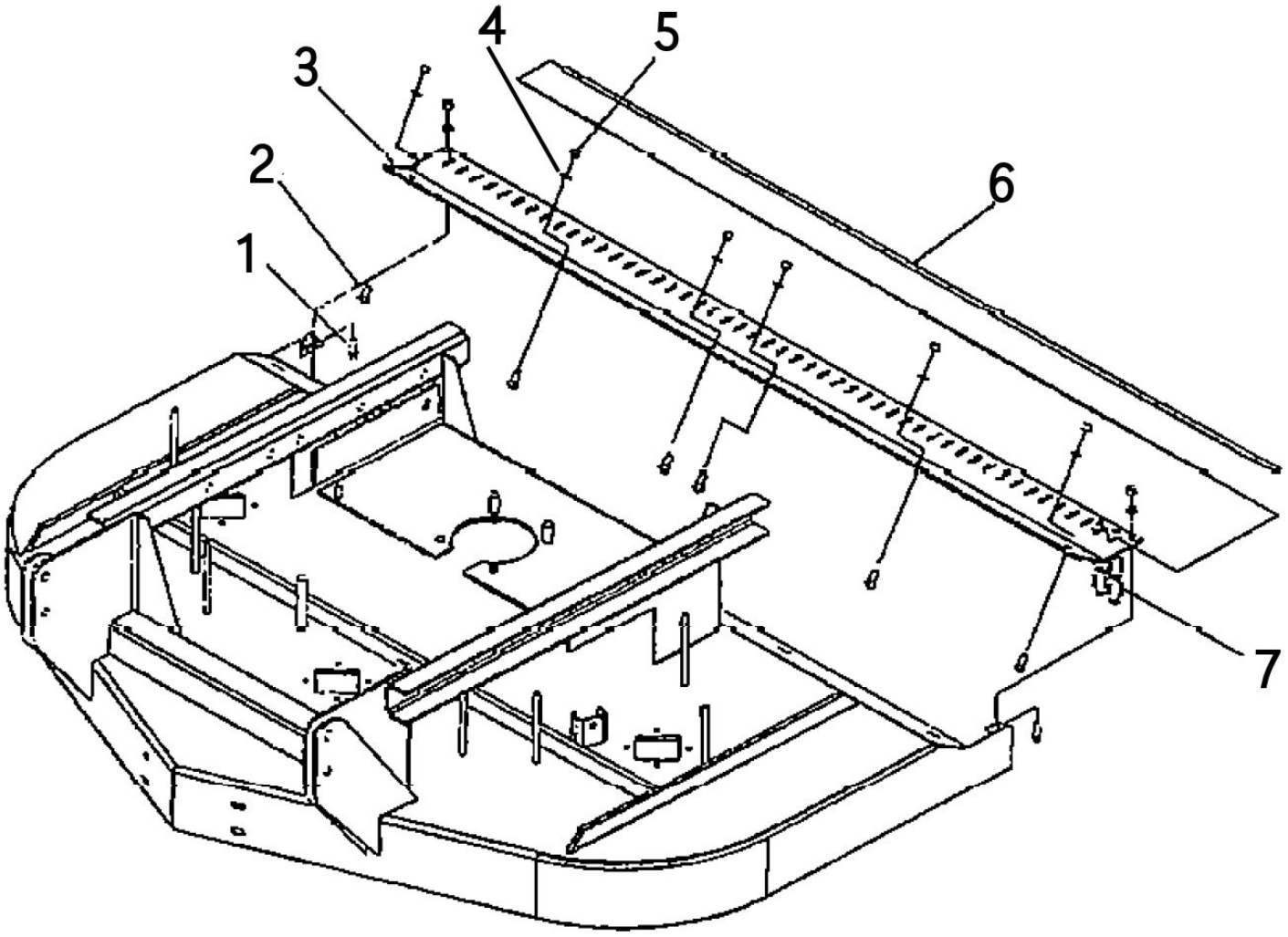
7’ SHIELDS & PULLEYS COMPONENTS



ITEM	PART #	DESCRIPTION	QTY
1	304214	WING NUT 3/8”	10
2	814638	CENTER SHIELD ASSEMBLY	1
3	303682	HHCS 5/8” X 4” GR 5	1
4	505589	PULLEY/IDLER	2
5	814633	IDLER ARM ASSEMBLY	1
6	304022	NUT/HEX LOCK 3/4” NC	1
7	303973	WASHER / FLAT 3/4”	1
8	304021	NUT/HEX LOCK 5/8” NC	3
9	814630	SPACER/IDLER PULLEY	1
10	303674	HHCS 5/8” X 1-1/2” GR 5	2
11	304046	NUT/HEX SLOTTED 1”-14 UNF	1
12	809286	PIN/COTTER	1
13	303975	WASHER / FLAT 1”	1
14	303967	KEYSTOCK 1/4” X 1-1/2” LONG	1
15	814614	DRIVE PULLEY	1
16	815570	GEARBOX	1
17	303956	WASHER/LOCK 5/8”	4
18	304008	NUT/HEX 5/8” NC	4
19	814648	SPRING/EXT. 84”	1

ITEM	PART #	DESCRIPTION	QTY
20	814640	SHIELD SIDE/BELT	2
21	814654	V-BELT B-150	1
22	814615	SPINDLE PULLEY	3

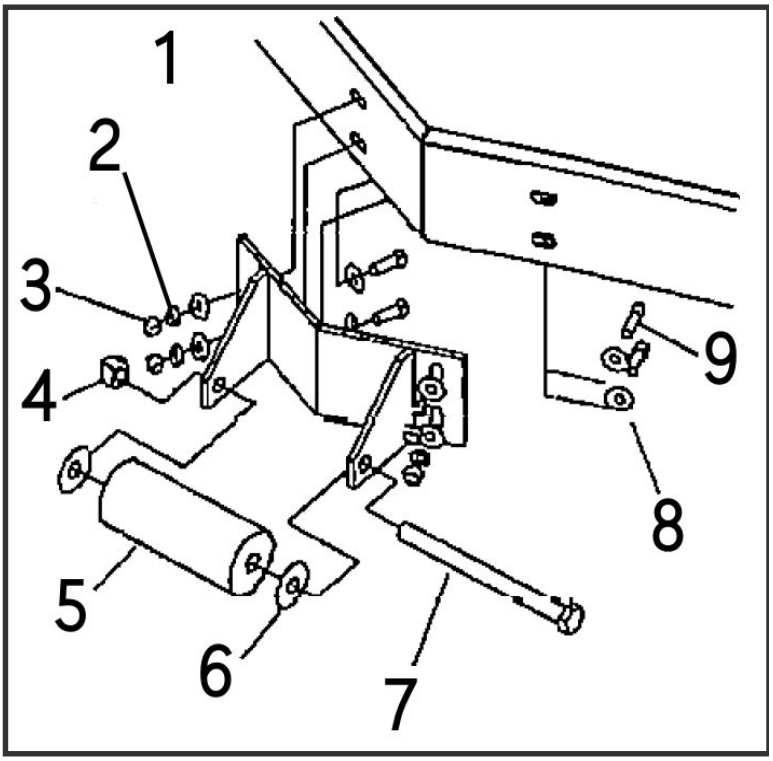
CHAINS & SHIELDS COMPONENTS



ITEM	PART #	DESCRIPTION	QTY
1	303612	HHCS 3/8” X 1”	2
2	303840	CARRIAGE BOLT 3/8” X 1”	6
3	813606	CHAIN BRACKET 5’	1
	813607	CHAIN BRACKET 6’	1
	814643	CHAIN BRACKET 7’	2
4	303953	LOCK WASHER 3/8”	8
5	304005	HEX NUT 3/8”	8
6	813608	CHAIN ROD—5 FT.	1
	813609	CHAIN ROD—6 FT.	1
	810725	CHAIN ROD—7 FT.	2
7	814607	1/4” CHAIN 3 LINKS (5’)	49
	814607	1/4” CHAIN 3 LINKS (6’)	59
	814607	1/4” CHAIN 3 LINKS (7’)	70
-	813611	CHAIN BUNDLE—5’	-
-	813612	CHAIN BUNDLE—6’	-
-	814650	CHAIN BUNDLE—7’	-

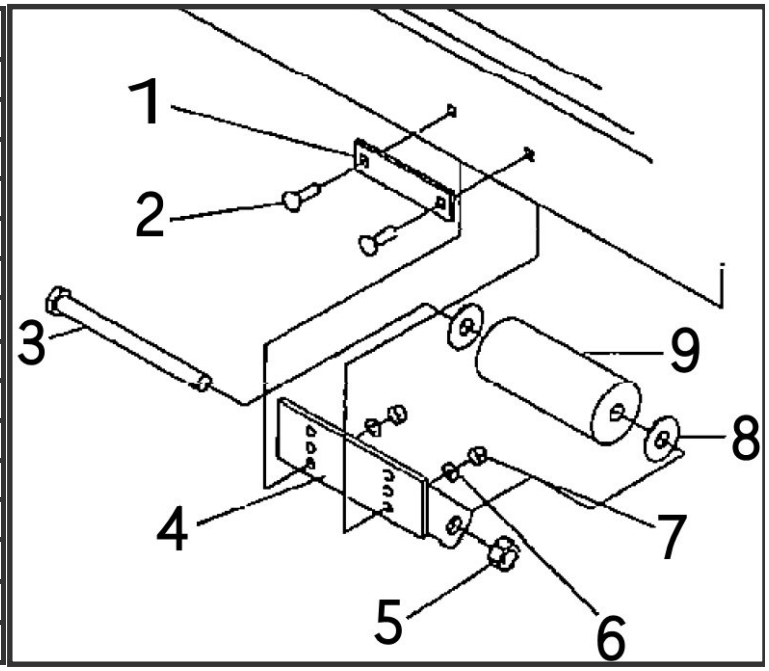
FRONT ROLLER ASSEMBLY

ITEM	PART #	DESCRIPTION	QTY
1	810160	ROLLER BRACKET ASSEMBLY 5’ & 6’	1
	814655	ROLLER BRACKET ASSEMBLY 7’	1
2	303953	LOCKWASHER 3/8”	4
3	304005	HEX NUT 3/8”	4
4	304021	HEX LOCKNUT 5/8”	1
5	505622	ROLLER 5’ & 6’	1
	814603	ROLLER 7’	1
6	303972	FLAT WASHER 5/8”	2
7	303689	HHCS 5/8” X 7-1/2”, 5’ & 6’	1
	303692	HHCS 5/8” X 9”, 7’	1
8	303969	FLAT WASHER 3/8”	8
9	303612	HHCS 3/8” X 1”	4
- -	81338300	FRONT ANTI-SCALP ROLLER KIT 5’ & 6’	-
	814608	FRONT ANTI-SCALP ROLLER KIT 7’	-

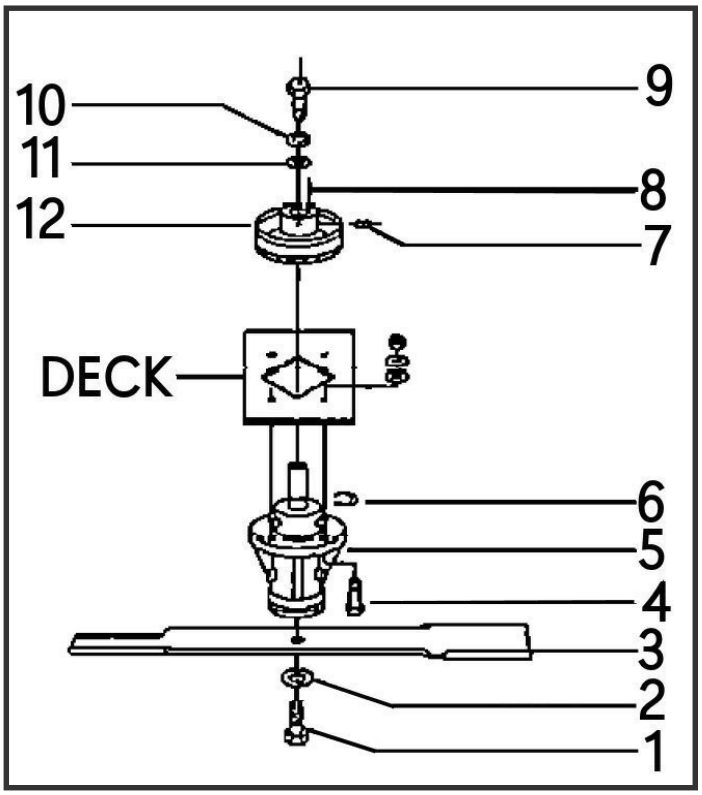


5’ & 6’ REAR ROLLER ASSEMBLY
(FOR SIDE DISCHARGE ONLY)

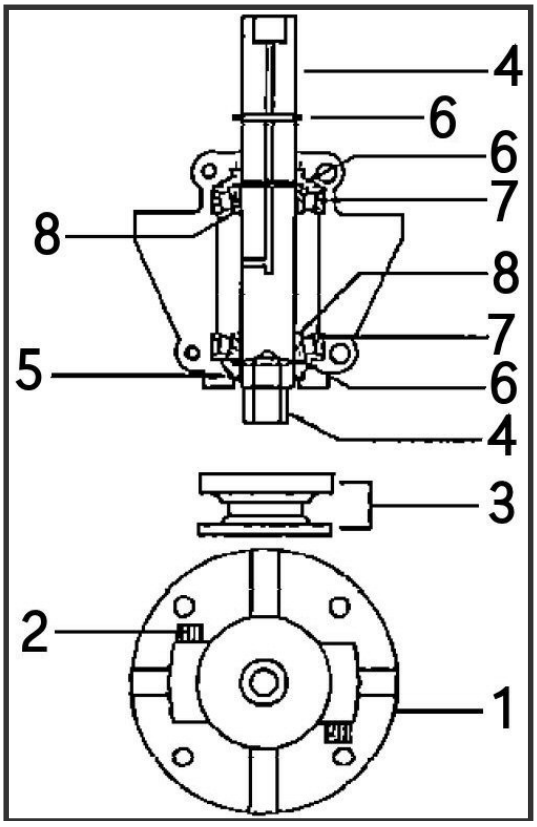
ITEM	PART #	DESCRIPTION	QTY
1	505621	BACKUP PLATE	1
2	303836	CARRIAGE BOLT 3/8” X 1-1/4”	1
3	303689	HHCS 5/8” X 7-1/2”	4
4	505616	ROLLER BRACKET	4
5	304021	HEX LOCKNUT 5/8”	1
6	303953	LOCK WASHER 3/8”	1
7	304005	HEX NUT 3/8”	1
8	303972	FLAT WASHER 5/8”	2
9	505622	ROLLER/ 2.5 OD X .65 ID X 5.88	1



5’, 6’ & 7’ SPINDLE & BLADE ASSEMBLY

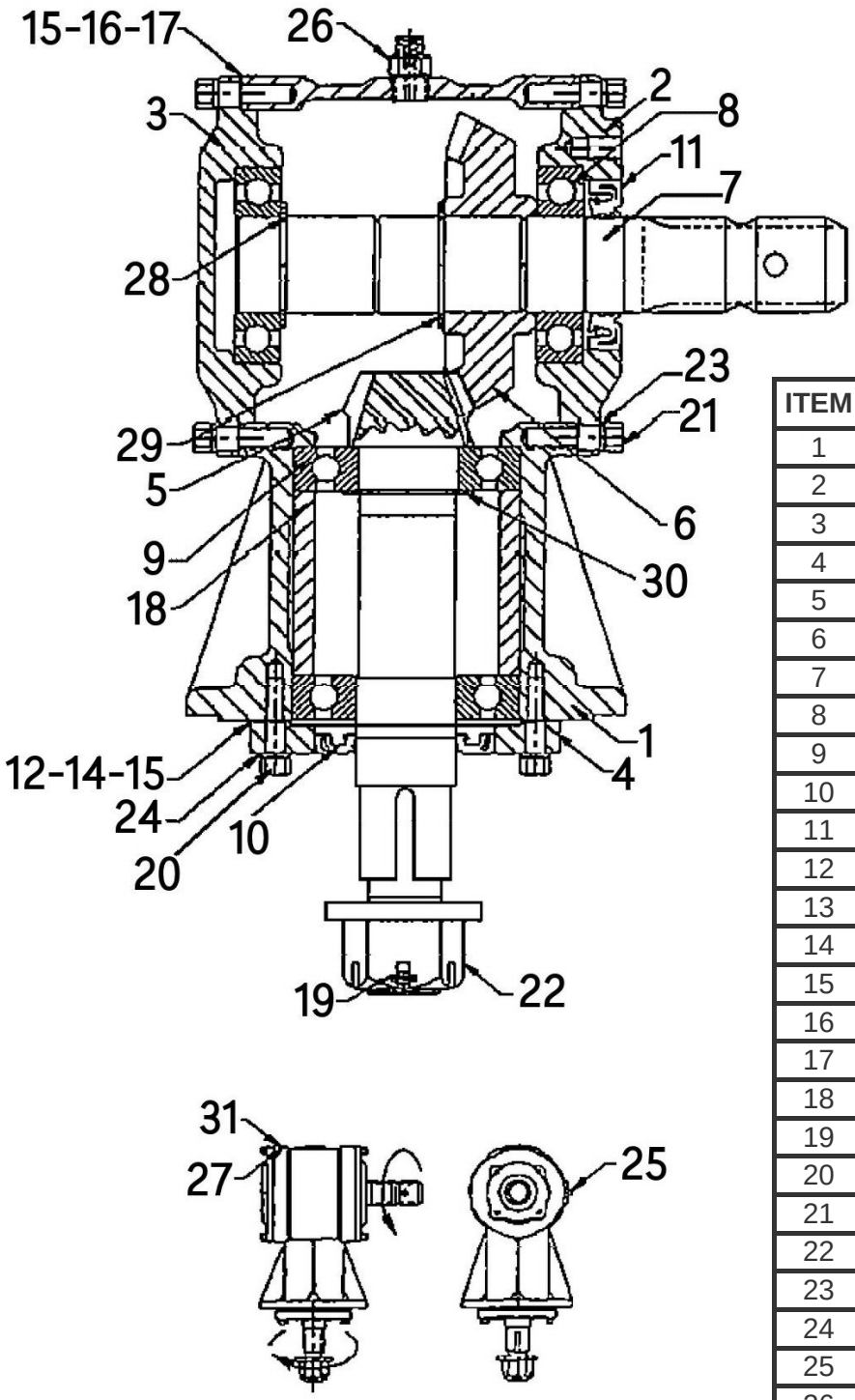


ITEM	PART #	DESCRIPTION	QTY
1	303938	BLADE BOLT 1/2” (LH THREAD) (5’ & 6’ DECK)	3
	303675	HHCS 5/8” X 1-3/4” (7’ DECK)	3
2	303971	FLAT WASHER 1/2” (5’ & 6’ (DECK)	3
	303972	FLAT WASHER 5/8” (7’ DECK)	3
3	810174	21” LOW LIFT BLADE (5’ DECK)	3
	813381	21” HIGH LIFT BLADE (5’ DECK)	3
	810176	25” LOW LIFT BLADE (6’ DECK)	3
	813380	25” HIGH LIFT BLADE (6’ DECK)	3
	813669	29” HIGH LIFT BLADE (7’ DECK)	3
4	303614	HHCS 3/8” X 1-1/2” GR 5	12
	303969	FLAT WASHER 3/8”	12
	303953	LOCK WASHER 3/8”	12
	304018	HEX LOCK NUT 3/8” NC	12
5	813413	SPINDLE (5’ & 6’ DECK)	3
	814602	SPINDLE (7’ DECK)	3
6	505628	SNAP RING	3
7	303939	SET SCREW 3/8” X 3/4”	3
8	303940	KEYSTOCK 1/4” X 1”	3
	303967	KEYSTOCK 1/4” X 1-1/2” (7’ DECK)	3
9	800800	SPINDLE BOLT W/STRAIGHT ZERK	3
10	303956	LOCK WASHER 5/8”	3
11	303972	FLAT WASHER 5/8”	3
12	813382	DRIVE PULLEY 5’ & 6’ DECK	3
	814615	DRIVE PULLEY 7’ DECK	3



ITEM	PART #	DESCRIPTION	QTY
1	505625	HOUSING HALF VENTED 5’ & 6’	1
	505626	HOUSING HALF 5’ & 6’	1
	814681	HOUSING HALF 7’	1
	814682	HOUSING HALF VENTED 7’	1
2	505629	HD SOCKET BOLT 3/8” X 1-1/2”	4
3	505631	SPINDLE WASHER	1
4	813621	SPINDLE SHAFT 5’ & 6’	1
	814683	SPINDLE SHAFT 7’	1
5	505627	SEAL	2
6	505628	RETAINING RING	3
7	505282	CUP BEARING L44810	2
8	505283	CONE BEARING L44643	2
-	813413	SPINDLE COMPLETE 5’ & 6’	-
-	814602	SPINDLE COMPLETE 7’	-

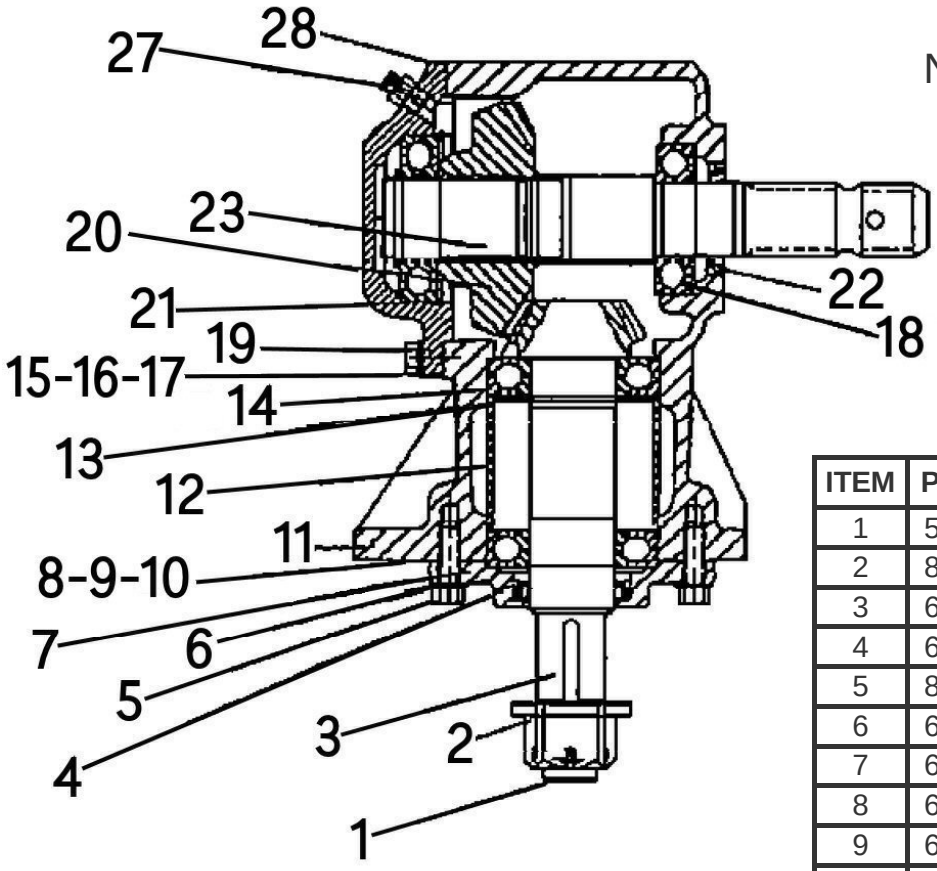
5’ & 6’ OMNI GEARBOX COMPONENTS

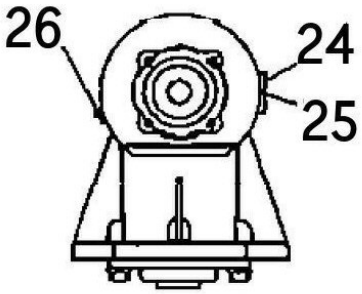


NOTE: FILL WITH 16 OUNCES
TYPE 00 GREASE

ITEM	PART #	DESCRIPTION	QTY
1	813683	HOUSING	1
2	813684	INPUT CAP	1
3	813685	BLANK CAP	1
4	813686	OUTPUT CAP	1
5	813687	OUTPUT PINION SHAFT	1
6	813688	INPUT GEAR 30-T	1
7	813689	INPUT SHAFT	1
8	813694	BEARING 207	2
9	813695	BEARING 307	2
10	813696	OUTPUT SEAL	1
11	813697	INPUT SEAL	1
12	813698	OUTPUT GASKET 0.10	*
13	813699	INPUT GASKET	*
14	813700	OUTPUT GASKET 0.15	*
15	813701	OUTPUT GASKET 0.30	*
16	813702	INPUT GASKET 0.15	*
17	813703	INPUT GASKET 0.30	*
18	813704	OUTPUT BEARING SPACER	1
19	505129	COTTER PIN	1
20	-	CAP SCREW	4
21	-	CAP SCREW	4
22	813707	SLOTTED NUT 1” - 14UNF	1
23	813708	5/16” LOCKWASHER	4
24	813709	1/4” LOCKWASHER	4
25	813710	SQ. HEAD PIPE PLUG	1
26	813711	BREATHER PLUG	1
27	NAS	ID TAG	-
28	813712	RETAINING RING 36	1
29	813713	RETAINING RING 38	1
30	813714	RETAINING RING 35	1
31	NAS	RIVET	-
813681 COMPLETE GEARBOX			

7’ OMNI GEARBOX COMPONENTS

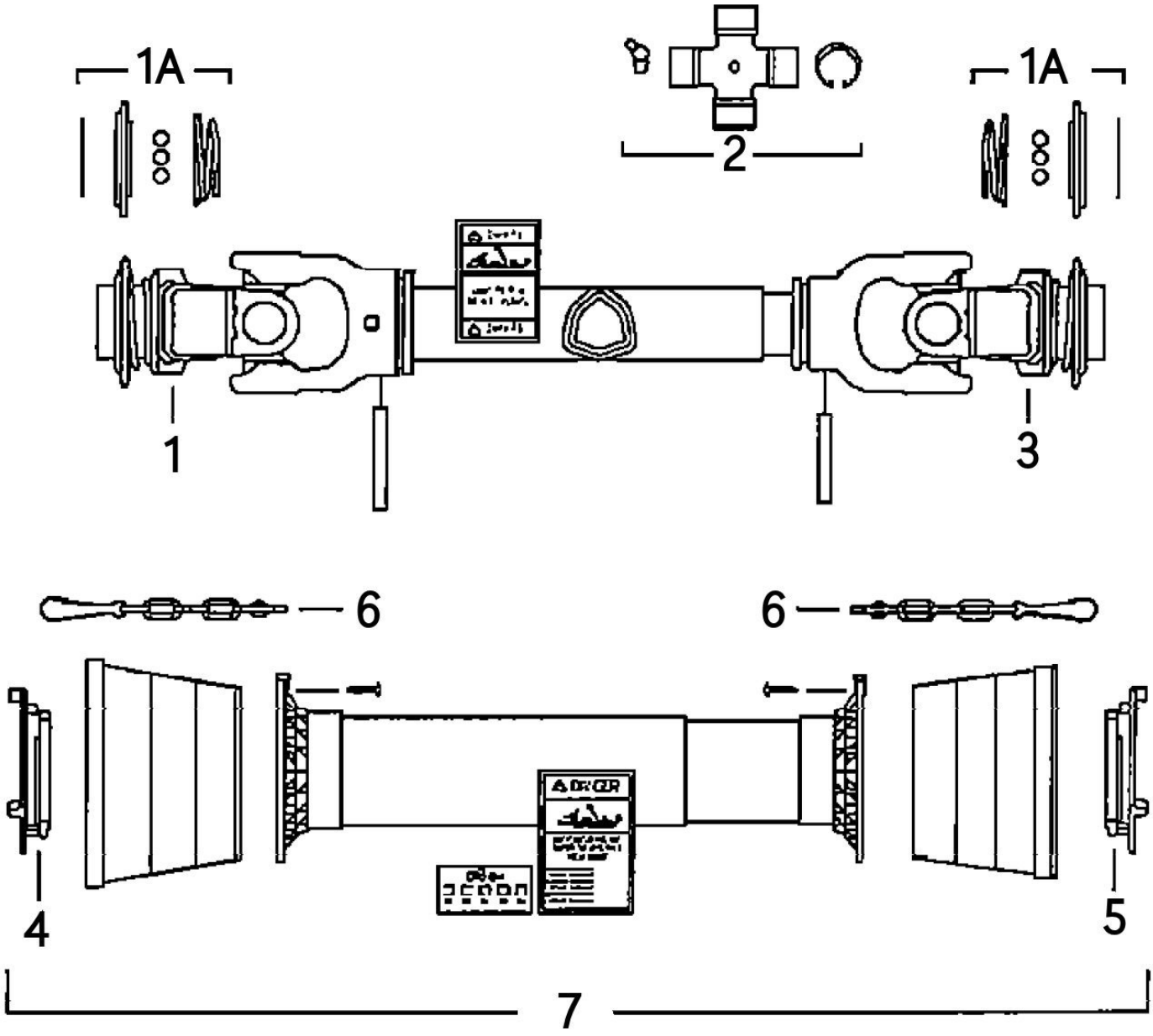




NOTE: FILL WITH 23 OUNCES
TYPE 00 GREASE

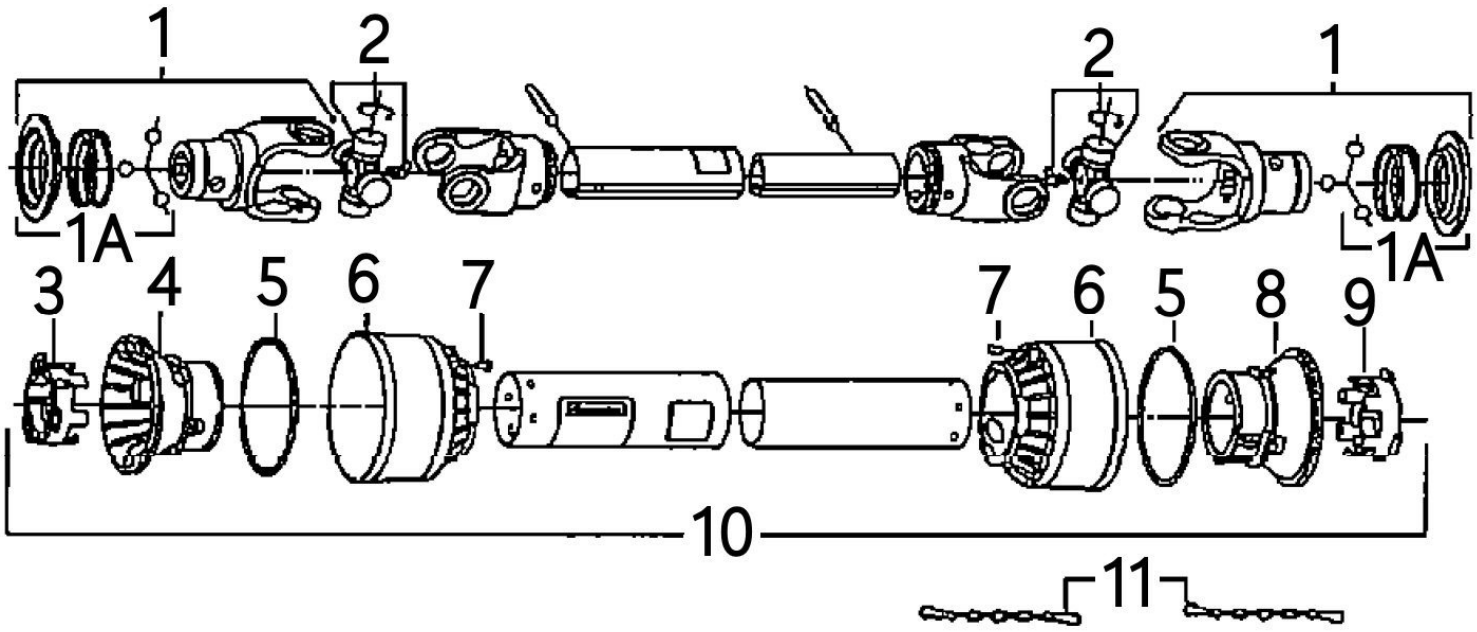
ITEM	PART #	DESCRIPTION	QTY
1	505129	COTTER PIN	1
2	809318	CASTLE NUT	1
3	607896	OUTPUT PINION SHAFT	1
4	607897	OIL SEAL	1
5	809329	HHCS M10 X 30	10
6	607484	LOCKWASHER M10	10
7	607905	OUTPUT CAP	1
8	607918	OUTPUT GASKET 0.10	VAR.
9	607917	OUTPUT GASKET 0.15	VAR.
10	607916	OUTPUT GASKET 0.40	VAR.
11	607893	GEARBOX HOUSING	1
12	607919	OUTPUT BEARING SPACER	1
13	607920	RETAINING RING	3
14	505123	BEARING 208K	3
15	607915	REAR GASKET 0.10	VAR.
16	607914	REAR GASKET 0.15	VAR.
17	607913	REAR GASKET 0.40	VAR.
18	607569	BEARING 207K	1
19	607894	REAR COVER	1
20	607909	INPUT GEAR 29-T	1
21	607921	RETAINING RING	1
22	607898	OIL SEAL	1
23	607895	INPUT SHAFT	1
24	NA	ID TAG	NA
25	NA	RIVET	NA
26	813710	SQ. HEAD PIPE PLUG	1
27	813711	PRESSURE RELIEF PLUG	1
28	NA	RTV SEALANT	NA
815570 COMPLETE GEARBOX			

BONDIOLI DRIVELINE COMPONENTS



ITEM	PART #	DESCRIPTION
1	505059	YOKE—TRACTOR 1-3/8—6
1A	817852	BALL COLLAR KIT 1-3/8”
2	505062	CROSS KIT 27 X 74.6
3	505059	GEARBOX YOKE
4	817853	OUTER SHIELD SUPPORT
5	817854	INNER SHIELD SUPPORT
6	505103	CHAIN SHIELD
7	817856	COMPLETE SHIELD FOR 814591
814591 COMPLETE DRIVELINE		

EUROCARDAN DRIVELINE COMPONENTS



ITEM	PART #	DESCRIPTION	QTY
1	505059	YOKE ASSEMBLY	2
1A	699526	PULL COLLAR KIT	2
2	505062	CROSS KIT	2
3	699561	OUTER SHIELD BEARING	1
4	699546	OUTER CONE	1
5	699569	STIFFENING RING	2
6	699554	STANDARD CONE	2
7	699567	PIN FOR STOP ROTATION	2
8	699545	INNER CONE	1
9	699556	INNER SHIELD BEARING	1
10	699587	COMPLETE SHIELD	1
11	505103	SAFETY CHAIN	2
814591 COMPLETE DRIVELINE			