



SNOWPANTHER

Current as of 07-09-09



PARTS LISTING WITH MOUNTING AND OPERATING INSTRUCTIONS

Tiger Corporation
3301 N. Louise Ave.
Sioux Falls, SD 57107
1-800-843-6849
1-605-336-7900
www.tiger-mowers.com

TO THE OWNER / OPERATOR / DEALER

All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

BEFORE YOU START!! Read the safety messages on the implement and shown in this manual. Observe the rules of safety and use common sense!

READ AND UNDERSTAND THIS MANUAL! Non-English speaking operators will need to GET THE MANUAL TRANSLATED as needed!

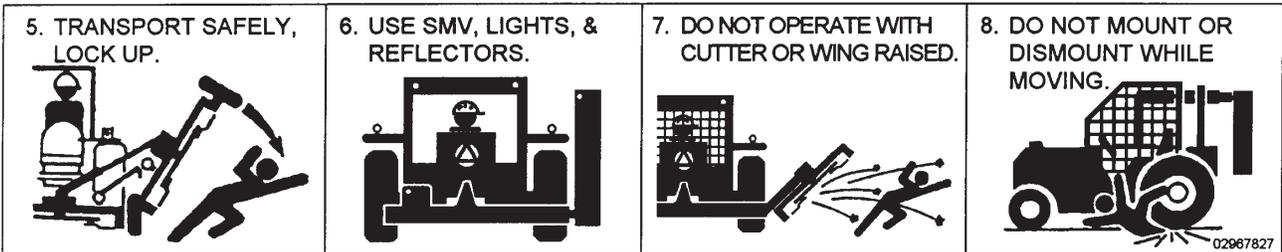


DANGER

FAILING TO FOLLOW SAFETY MESSAGES AND OPERATING INSTRUCTIONS CAN CAUSE SERIOUS BODILY INJURY OR EVEN DEATH TO OPERATOR AND OTHERS IN THE AREA.



1. Study and understand Operator's Manuals, Safety Decals, and Instructional Decals for tractor and implement to prevent misuse, abuse, and accidents. Practice before operating in a confined area or near passersby.
 - Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children
2. Allow no children on or near folding mower or tractor. Allow no riders on tractor or implement. Falling off may cause serious injury or death from being run over by tractor or mower or contact with rotating blades.
3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seat belt securely fastened to prevent injury and possible death from falling off or tractor overturn.
 - Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety Shoes, & Ear Plugs are recommended.
4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted component to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain area is clear before lowering or folding
5. Before transporting, put Lift Lever in detent or full-lift position. Install Transport Safety Devices securely on folding mowers. Put Booms securely in Transport Rest.
 - Folding and Boom Mowers have raised center of gravity. Slow down when turning and on hillsides.
6. Make certain that SMV sign, warning lights, and reflectors are clearly visible. Follow local traffic codes.
7. Never operate with Cutting Head or Folding Section raised if passersby, bystanders, or traffic are in the area to reduce possibility of injury or death from objects thrown by Blades under Guards or mower structure.
8. Before dismounting, secure implement in transport position or lower to ground.
 - Put tractor in park or set brake, disengage PTO, stop engine, remove key, and wait until noise of rotation has ceased to prevent crushing by entanglement in rotating parts which could cause injury or death.
 - Never mount or dismount a moving vehicle. Crushing from runover may cause serious injury or death.



Warranty Information: Read and understand the complete Warranty Statement found in this manual. Fill out the Warranty Registration form in full and return it within 90 days. Make certain the Serial Number of the machine is recorded on the Warranty Card, and form that you retain.

FORWARD

This manual contains information about many features of the Tiger mowing and roadside maintenance equipment. Some of these include: Safety precautions, Assembly instructions, Operations, Maintenance and Parts. This manual will also assist you in the proper break-in, daily care, and troubleshooting of your new mower.

We recommend that you read carefully the entire manual before operating the unit. Also, time spent in becoming fully acquainted with its performance features, adjustments, and maintenance schedules will be repaid in a long and satisfactory life of the equipment.

Troubleshooting - Please, before you call, help us to help you!

Please look at the equipment to observe what is happening, then:

- Classify the problem
 - Hydraulic, electrical or mechanical - Read the trouble shooting section
 - Tractor or Truck chassis - Contact vehicle dealer

- If unable to correct the problem yourself, contact your local Tiger Dealer after gathering:
 - Machine model _____
 - Serial number _____
 - Dealer name _____
 - Detailed information about the problem including results of troubleshooting

Attention Owner / Operator / Dealer: It is your obligation to read, and understand, the warranty information section located at the back of this manual denoting that the purchaser understands the safety issues relating to this machine and has received and will read a copy of this manual.

If at any time, you have a service problem with your Tiger mower, Contact your local dealer for service and parts needed.

MANUFACTURED BY:

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DEALER'S PREDELIVERY SERVICE GUIDE

DEALER'S PREDELIVERY SERVICE GUIDE PANTHER SNOW BLOWERS

DETAILS OF ITEMS LISTED BELOW ARE COVERED IN THIS OPERATOR'S MANUAL

- Shipping damage corrected
- Install all parts as outlined in Operator's Manual
- Check that all safety decals are in good condition, replace if necessary
- IMPORTANT: Check oil level in gear box**
- Lubricate telescoping section of any PTO shafts
- Lubricate all grease fittings
- Install tractor wheel weights if necessary

DEALER'S DELIVERY GUIDE PANTHER SNOW BLOWERS

- Mounting and removal from tractor
- Operation
- Adjustments
- Lubrication
- Maintenance
- Storage
- Operator's safety precautions
- User's responsibility and warranty
- Operator's manual delivered to owner
- Operator instructed on contents of owner's manual



**This symbol means:
CAUTION – YOUR SAFETY IS AT RISK!**

When you see this symbol, read and follow the associated instructions carefully or personal injury or damage may result.

Tiger is a registered trademark.



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SAFETY

TO THE OPERATOR

This manual has been compiled to assist you in operating and servicing your new PANTHER Snow Blower. **This manual is to be used in conjunction with the Boom Operator's Manual that was originally sent with the Tractor Boom Unit. READ and UNDERSTAND both manuals BEFORE operating the snow blower.** Pay special attention to the safety instructions.

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 equipment.

Safety Alert Symbol



ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

This symbol is used to call attention to safety messages on the machine and in the manuals that should be followed by the operator to avoid accidents. When you see this symbol - HEED IT'S WARNING!

SIGNAL WORDS:

Note the use of the signal words **DANGER**, **WARNING**, and **CAUTION** with the safety messages. The appropriate signal word for each message has been selected using the following guidelines:

DANGER - An imminently hazardous situation that WILL result in death or serious death if the proper precautions are not taken. Decals located on the equipment are Red and White.

WARNING - A potentially hazardous situation which COULD result in death or serious injury if the proper precautions are not taken. Decals are Black and Orange.

CAUTION - A potentially hazardous situation which COULD result in personal injury if the proper precautions are not taken. It may also be used to alert against unsafe practices. Decals are Black and Yellow.

Note the use of the signal words **IMPORTANT** and **NOTE**. They are intended for machine safety. The appropriate signal word for each message has been selected using the following guidelines:

IMPORTANT - A potentially hazardous situation COULD result in damage to the machine if proper precautions are not taken.

NOTE - Provides the operator with supplemental information.

READ, UNDERSTAND, and FOLLOW the following Safety Messages. Serious injury or death may occur unless care is taken to follow the warnings and instructions stated in the Safety Messages. Always use good common sense to avoid hazards. (SG-2)



PELIGRO! Si no lee Ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad. (SG-3)



**!LEA EL
INSTRUCTIVO!**

SAFETY

WARNING! Only operate the snow blower in conditions where you have clear visibility in daylight or with adequate artificial lighting. Never snow blow in darkness or in conditions where you cannot clearly see at least 100 yards in front and to the sides of the Tractor and Snow Blower. Make sure that you can clearly see and identify passersby, steep slopes, ditches, drop-offs, overhead obstructions, power lines, debris and foreign objects. If you are unable to clearly see these types of items, discontinue snow blowing. (SSB-1)



WARNING! Extreme care should be taken when operating near loose objects such as gravel, rocks, wire and other debris. Foreign objects should be removed from the site to prevent machine damage and/or bodily injury or even death. Any object that cannot be removed must be clearly marked and carefully avoided by the operator. Stop snow blowing immediately if the auger or fan strikes a foreign object. Repair all damage before resuming snow blowing. (SSB-2)



WARNING! Many varied objects, such as wire, cable, rope, or chains can become entangled in the operating parts of the Snow Blower. These items could then swing outside the housing at high speeds. Such a situation is extremely hazardous and could result in serious injury or even death. Inspect the work area for such objects before snow blowing. Remove any like object from the site. Never allow the auger to contact such items. (SSB-3)



WARNING! Blow snow at the speed that you can safely operate and control the Tractor and Snow Blower. Safe speed depends on terrain and snow conditions. Normal ground speed range is from 0 to 5 mph. Use slow speeds when operating on or near steep slopes, ditches, drop-offs, overhead obstructions, power lines, or when debris and foreign objects are to be avoided. (SSB-4)



DANGER! Do Not put hands or feet near the rotating auger. Auger contact can result in serious injury or even death. Stay away until all motion has stopped and the snow blower is securely blocked up before removing material, performing service, and making repairs. (SSB-5)



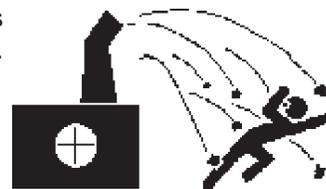
DANGER! Do not put hands or feet near the rotating fan. Fan contact can result in serious injury or even death. Stay away until all motion has stopped and the snow blower is securely blocked up before removing material, performing service, and making repairs. (SSB-6)



DANGER! Snow Blowers are capable under adverse conditions of throwing objects for great distances (200 feet or more) and causing serious injury or death. Follow safety messages carefully. (SSB-7)



STOP SNOW BLOWING IF PASSERSBY ARE WITHIN 200 FEET.



WARNING! Do Not blow snow with two machines in the same area except with cab tractors with the windows closed. (SSB-10)



SAFETY

General Safety

Have a first aid kit and fire extinguisher available for use should the need arise and know how to use them.

Wear appropriate protective gear during assembly, installation, operation, adjustment, maintaining, repairing, removal or moving the snow blower. This includes but is not limited to: heavy gloves, protective shoes, hard hat, and safety goggles or glasses.

Wear hearing protection. Exposure to noise over 85 db on a long term basis can cause severe hearing loss. Hearing loss from loud noise is cumulative over a lifetime without hope of natural recovery.

Operate the snow blower only with a tractor equipped with an approved Roll-Over-Protective System (ROPS) and always wear your seat belt.

Install and secure all guards before starting.

Never allow anyone to ride on the snow blower at any time.

Never allow children to operate the snow blower.

Review safety related items annually with all personnel who will be operating or maintaining the snow blower.

Operating Safety

Keep machine in good condition. Replace worn or broken components.

Ensure that all persons are clear of the snow blower before putting it into operation.

Never start or operate machine unless sitting on tractor seat.

Keep hands, feet, hair and clothing away from moving parts.

Thoroughly inspect the area where the snow blower is to be used. Clear debris which may get tangled in the snow blower auger or be discharged by the fan.

Never direct the chute towards people or property. The high speed discharge of material from the chute may cause damage or injury.

Always look behind to make sure area is clear before backing tractor and snow blower.

Never operate the snow blower without good visibility. Be aware of hazards like overhead power lines and when operating near slopes.

After striking a foreign object, stop the engine, disengage power take-off(s), and remove the ignition key. Thoroughly inspect the snow blower for any damage before restarting and operating the snow blower.

Before leaving the tractor seat for any reason, shift all levers into neutral, apply the wheel brakes and shut off the tractor.

SAFETY

Transport Safety

Make sure you are in compliance with all local regulations regarding transporting equipment on public roads and highways

Make sure the SMV (Slow Moving Vehicle) emblem and all lights and reflectors are clean and visible before transporting.

Disengage power to snow blower when transporting.

Travel slowly over rough terrain, especially when turning.

Maintenance Safety

Never attempt to service or make adjustments to the machine while it is in motion. Allow rotating parts to come to a full stop before any inspection of the machine.

Never work under any part of the machine unless it is securely blocked up.

Use only tools, jacks and hoists of sufficient capacity for the job.

Follow good shop practices:

- keep service area clean and dry
- ensure electrical outlets and tools are properly grounded.
- use adequate light for the job at hand

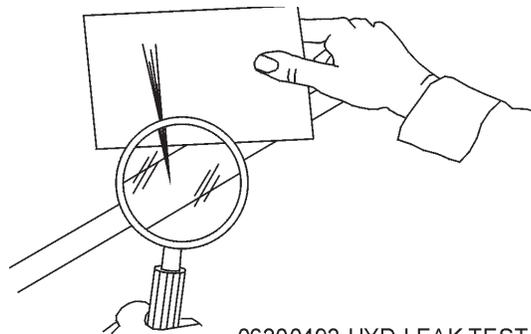
AVOID HIGH PRESSURE FLUIDS



Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious personal injury.

Before applying pressure to the hydraulic system, be sure all connections are tight and that lines, pipes and hoses are not damaged

Never attempt to inspect, service or disassemble any part of the blower or hydraulic system until all pressure is relieved from the system by lowering the unit to the ground or onto solid blocking and placing the tractor's hydraulic control valve into float position.



06200492 HYD LEAK TEST

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SAFETY

Use a piece of cardboard or wood rather than hands to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Storage Safety

Store the blower in an area away from human activity and where it will not be exposed to livestock.

Store blower on a hard, level surface and engage all safety devices.

Do not permit children to play on or around the stored unit.

Safety Decals

Keep safety decals and signs clean and legible at all times.

Replace safety decals and signs that are missing, damaged or have become illegible.

Safety decals and signs are available from your Tiger Dealer or the factory.

Installing Safety Decals

Ensure that the installation area is clean and dry. Decals should be applied indoors, in temperatures between 4° C (40° F) and 37° C (100° F).

Determine the exact position before you remove the backing paper.

Remove the smallest portion of the split backing paper or fold back approximately 1/3 of the solid backing.

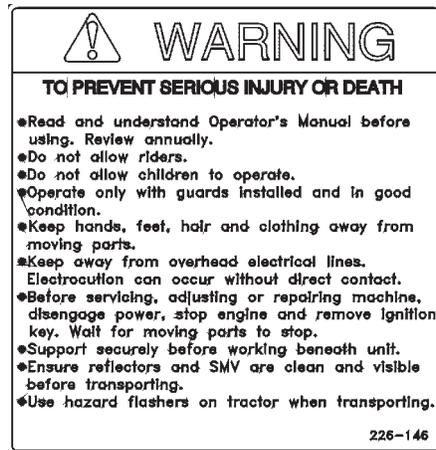
Align the decal over the specified area and carefully press the portion with the exposed sticky backing in place.

Slowly peel back the remaining paper and carefully smooth the remaining portion of the decal into place.

The following decals are placed at strategic positions on the Unit to provide the operator with a continual reminder of safe operating practices. If they become damaged or lost replace them immediately. They may be obtained from your Schulte Dealer. The part number and location of each decal is listed in the following pages.

SAFETY

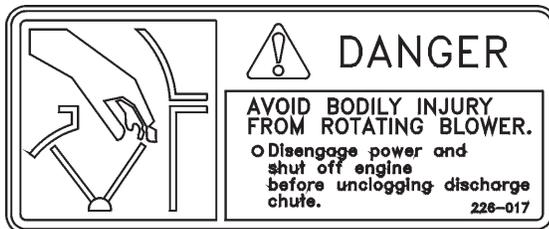
Safety - Decals



DECAL # 226-146
LOCATION - BACK OF FAN HOUSING



DECAL # 226-037
LOCATION - GEAR BOX SHIELD



DECAL # 226-017
LOCATION - FRONT OF CHUTE



DECAL # 226-018
LOCATION - BOTH ENDS OF HOUSING

SAFETY

Safety - Decals



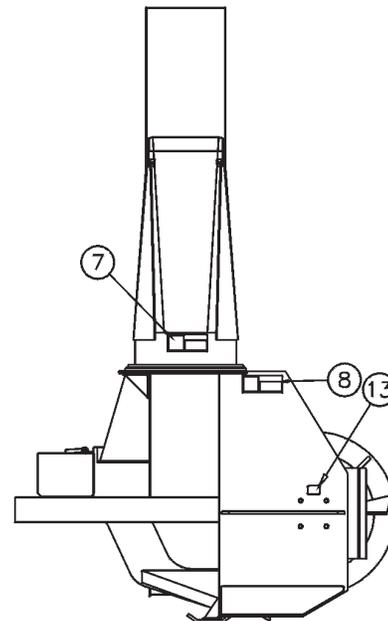
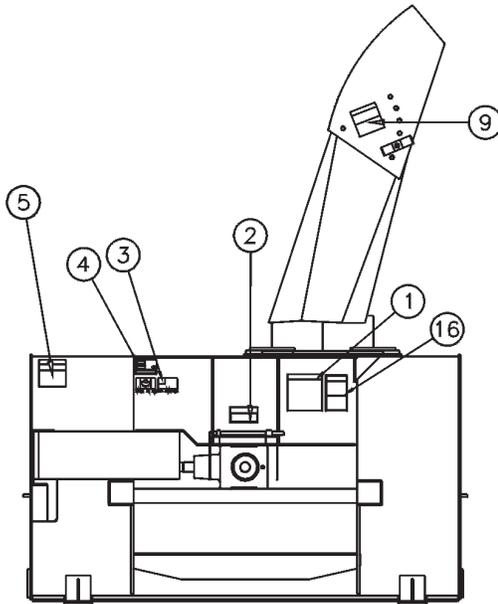
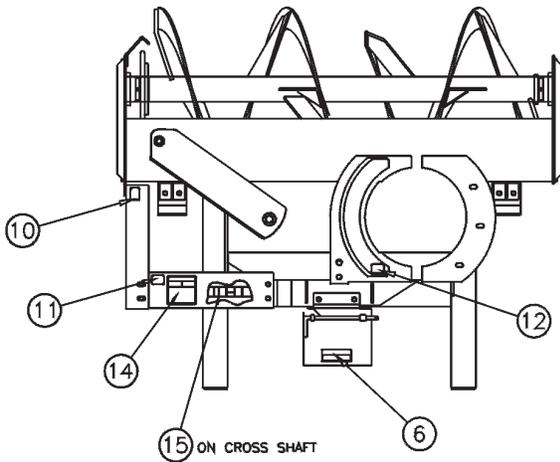
DECAL # 226-149
LOCATION - SIDES OF
DEFLECTOR



DECAL # 226-148
LOCATION - LEFT REAR OF
HOUSING

SAFETY

Decal Location



06200492 DECAL LOCATION

ITEM	PART NO.	QTY.	DESCRIPTION
1	226-146	1	Decal 'Decal Review manual
2	226-081	1	Decal 'Check oil level
3	226-084	1	Decal 'Made in North America
4	226-100	1	Serial # plate
5	226-148	1	Decal 'Danger High pressure
6	226-037	1	Decal 'Warning 540 rpm
7	226-017	1	Decal 'Danger from rotating
8	226-018	2	Decal 'Danger avoid bodily
9	226-149	2	Decal 'Warning thrown object
10	226-183	1	Decal Oil interval, 8hr.
11	226-181	3	Decal Greasing interval, 8hr.
12	226-180	3	Decal Greasing interval, 4hr.
13	226-182	2	Decal Greasing interval, 50hr.
14	226-192	1	Decal 'Warning moving parts
15	226-193	1	Decal 'Danger guard missing
16	226-191	1	Decal 'Peligro

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INTRODUCTION

This snow blower is designed to remove accumulations of snow from driveways, barnyards, roadways and parking lots. Check local regulations before operating on roadways.

Refer to your tractor operator's manual for information relating to operator workstation sound pressure levels and vibration measurements.

Parts & Service

Should you require service or replacement parts for your machine, contact your Tiger dealer. A serial plate is attached to the Snow Blower, located on the back of the housing. Refer to the Snow Blowers model and serial numbers when requesting information or ordering parts.

USE GENUINE TIGER REPLACEMENT PARTS. Use of genuine Tiger replacement parts is your only guarantee that parts are of the same quality and standards as the original equipment. Use of non-genuine Tiger replacement parts could result in inferior performance and voiding of warranty.

Definitions

For the purpose of this Tiger equipment, the following definitions apply.

Left-hand side: Side which is to the left when the operator is facing in the normal forward direction of the tractor.

Right-hand side: Side which is to the right when the operator is facing in the normal forward direction of the tractor.

IMPORTANT: Before operating the snow blower carefully read the 'Safety' and 'Operation' sections of this Operator's Manual.

Special Notes

1. The snow blower and its drive kits employ shear bolts to protect the auger and fan. The specified shear bolt are listed below:

The cross shaft shear bolt is:
5/16 Grade Two (2) bolt, 2 inches long.

Note: Both length and grade are important in this specification.

IMPORTANT: Replacement of a shear bolt with one of a grade, length or diameter other than the specified shear bolt will be considered unauthorized modification and warranty will be void.

Refer to the 'Maintenance' section of this Operator's Manual for help in properly identifying these grades of bolts

OPERATION

Before Blowing Snow

1. Set the chute deflector at the desired position.

WARNING!



If removing snow from other than paved or hard surfaced areas, move deflector to the low position to minimize the distance that gravel or foreign material is ejected

DANGER!



Never direct discharge of snow towards people, pets or property.

2. Make sure that the blade is running at an even height at both ends. Scraper blade clearances of about 1/4" is sufficient for paved level surfaces.

WARNING!



When running over uneven or gravel surfaces keep blade clearance at about 1" to avoid blowing rocks and debris.

3. Before operating snow blower recheck that all fasteners, nuts, bolts, set screws, cotter pins are in place and all bolts are tight.

NOTE: Check that all gear boxes are filled with oil.

Hydraulic Chute Rotator

IMPORTANT: Do not allow snow and ice to build up around the chute rotation mechanism as this may cause damage to the snow blower chute or the chute rotator mechanism.

When operating the snow blower occasionally rotate the chute left then right to clear the front housing of snow.

DANGER!



Never direct discharge of snow towards people, pets or property.

OPERATION

Snow Blowing

IMPORTANT: Do not use the snow blower to 'PUSH SNOW'. Let the machine work its way through deep drifts and hard packed snow. For best results keep the snow blower fan running at rated PTO speed.

1. Place the tractor in gear and proceed, increase throttle to correct PTO speed before blowing. If the tractor engine starts to labor, gear down.
2. Tractor chains and weighted tires will increase traction and improve performance especially in icy conditions.
3. The casting chute should not plug during normal operation. However, if fan RPM is allowed to drop drastically in wet, sticky conditions, or if a shear bolt breaks in the fan the casting chute may plug. If the chute should plug, try raising the snow blower to transport position and then dropping it suddenly, if this fails to clear the blockage, the casting chute will have to be manually cleared



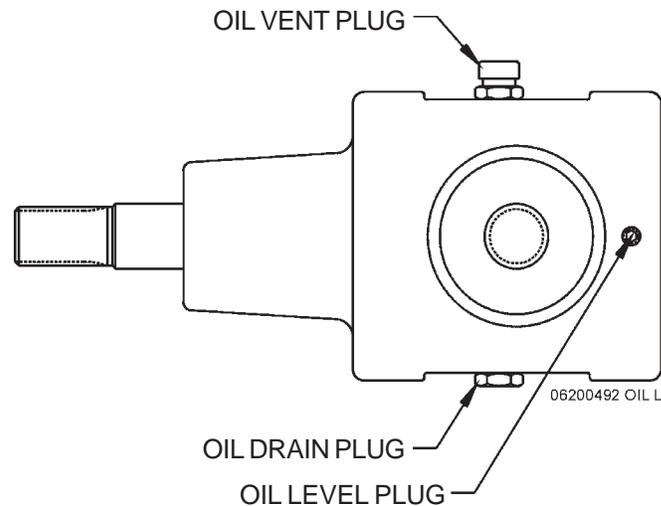
BEFORE UNCLOGGING THE CASTING CHUTE, DISENGAGE ALL POWER, STOP ENGINE, REMOVE IGNITION KEY AND ENSURE ALL MOVING PARTS HAVE COMPLETELY STOPPED.

4. Slow tractor to idle speed before disengaging PTO.

LUBRICATION

Gearbox

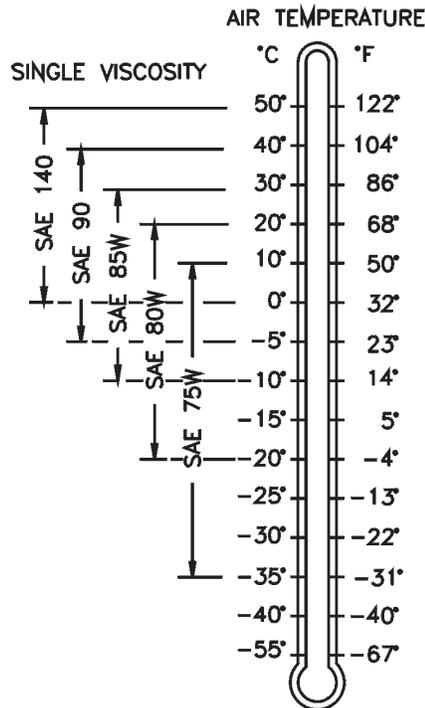
1. **IMPORTANT:** Check that gearboxes are filled with oil.
2. Replace gear oil in all gearboxes after the first 50 hours of operation then yearly.
3. Check gearbox oil levels frequently.
4. Procedure for refilling a gearbox:



- Park unit on a level surface
 - Remove drain plug and drain out oil
 - Reinstall drain plug
 - Remove vent plug and level plug (level plug is always located in the middle of the gear case)
 - Fill the gearbox until oil runs out the level plug hole
 - Reinstall the vent plug and level plug
 - Dispose of the old oil in accordance with local regulations
5. Gear case oil should meet the following specifications:
 - API Service Classifications GL-5
 - Military Specification MIL-L-2105C

LUBRICATION

Consult the following chart for the oil viscosity recommendations:



Grease Schedule

1. Grease should meet the following recommendations:

- SAE Multi-purpose grease
- SAE Multi-purpose grease containing 3 to 5 per cent molybdenum disulfide
- Below 0° C (32° F) use SAE (NLGI) #0 or #1
- Above 0° C (32° F) use SAE (NLGI) #2

Auger Drive Shear Plate

- Apply grease to the auger shear plate whenever a shear bolt breaks.

Auger Drive Chain

Apply oil every 8 hours of operation (minimum) with a brush or spout can. Volume and frequency should be enough to prevent discoloration of the lubricant in the chain joints. Use SAE30 oil as heavier oils and greases are generally too stiff to enter and fill the chain joints.

Chute Ring

- Apply grease to the exposed face of the chute ring and rotate it round so as much of the ring as possible is greased
- Grease the chute ring every 4 hours of operation or however often is required to keep it moving freely.
- Occasionally disassembly the chute retaining clip and apply grease to the entire under side of the chute.

MAINTENANCE

Nuts and Bolts

1. Check all bolts and set screws for tightness after the first 5 hours of operation then yearly.

IMPORTANT: Shear bolts should not be over tightened, as this may cause unpredictable shearing action.

Auger Drive Chain

1. Retighten the auger drive chain when slack exceeds 3/4 inch at the center of the bottom chain section.
2. The drive chain is tightened by loosening the bolt on the idler roller and forcing the idler against the chain, then retightening the bolt.
3. **DO NOT OVER TIGHTEN** as this will increase wear of the idler roller. Allow approximately 3/8 inch of slack up or down at the center of the bottom chain section.

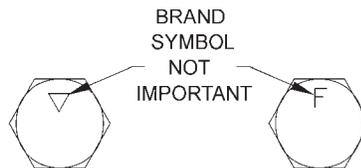
Blade

1. Occasionally check the blade for wear. If the blade has worn to the point where the mouldboard is starting to wear then replace it. If the lock nuts are damaged or worn, replace them as well.

Shear Bolts

1. **IMPORTANT:** If a shear bolt breaks during operation immediately shut down the tractor and replace the shear bolt.
2. The shear bolts used on this Schulte snow blower and mounting kits are either Grade 2 or Metric Grade 8.8. Refer to the illustrations for help in identification of these

GRADE (2) BOLT HEAD



GRADES OF BOLTS

GRADE (8.8) BOLT HEAD



06200492 BOLT GRADE

MAINTENANCE

3. Specified shear bolt and its location is listed below:

Auger:

5/16-18 UNC, 2" long, Grade 2

NOTE: Both length and grade are important in this specification.

IMPORTANT: Tighten nut only enough to draw the shear plates together. Do not over tighten nut. Occasionally apply grease to the shear plates.

IMPORTANT: Replacement of the shear bolt with one of any other grade or size will be considered an unauthorized modification and the warranty will be

MAINTENANCE

STORAGE

1. Wash any dirt or road salt off the snow blower.
2. Remove drive chains and submerge in oil.
3. Smear grease over any exposed hydraulic cylinder shafts.

SPECIFICATIONS

GENERAL DATA

Weight (approximate)
Working Width
Height of Cut
Fan Diameter
Fan Type
Auger Diameter
Fan Speed (at rated PTO speed)
Auger Speed (at rated PTO speed)
Horsepower Requirement
Overall Height 77 in. (1956mm)

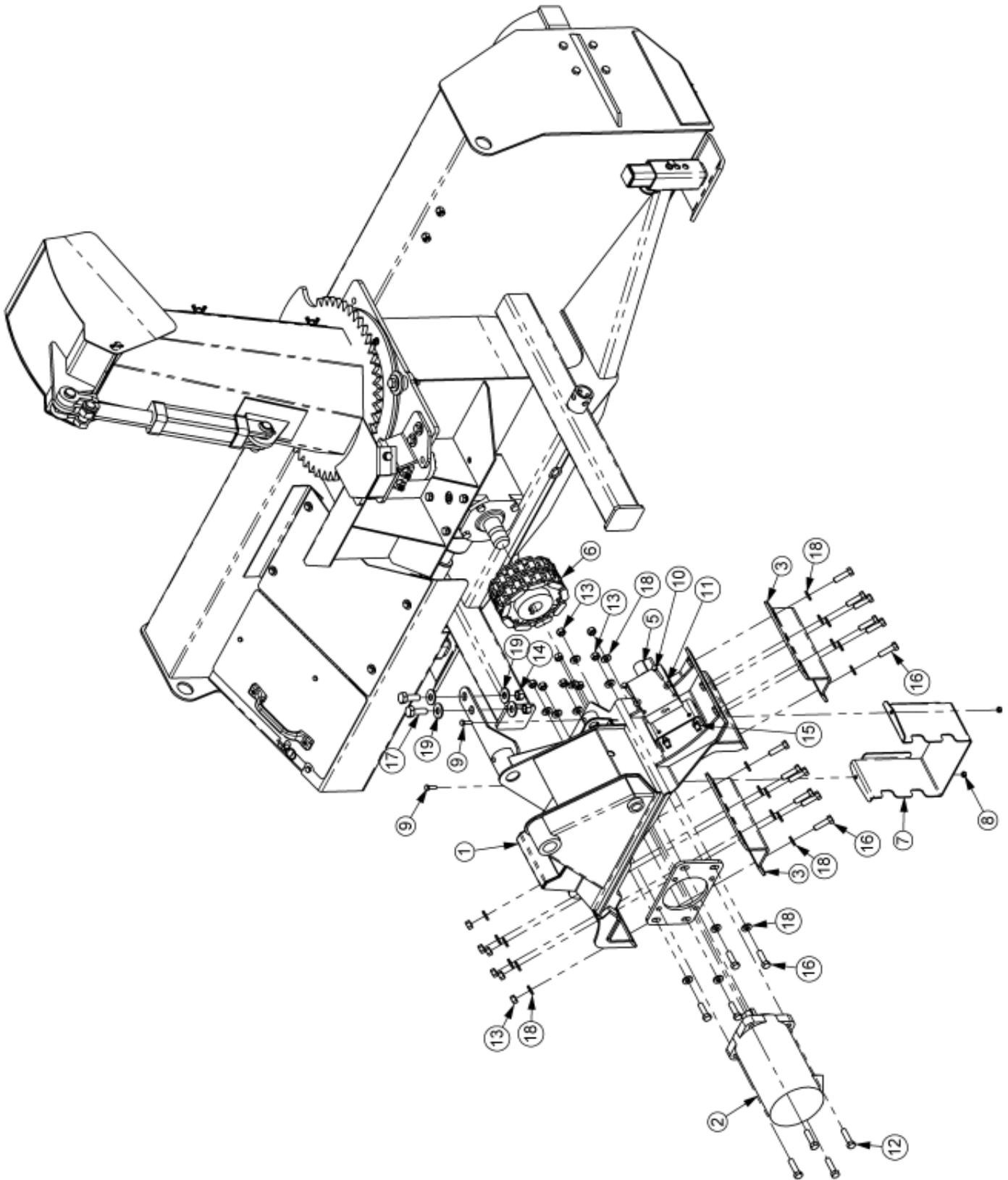
BOOM SNOW BLOWER

?lbs (? Kg)
50 in. (1270mm)
30 in. (762mm)
26 in. (660mm)
3 paddle
18 in. (457mm)
540 rpm
202 rpm
55-95 HP

TROUBLE SHOOTING

SYMPTOM	PROBLEM	CORRECTION
Excessive power required to operate snow blower	Auger shear bolt is broken	Replace shear bolt
	Operating in too high of gear	Gear down tractor
	Blade scraping ground	Increase unit height
Tractor wheel slippage	Ballast or traction	Install chains
Excessive mechanical noise	Loose bolts	Tighten bolts
	Worn bearings	See your dealer

MOUNTING ASSEMBLY

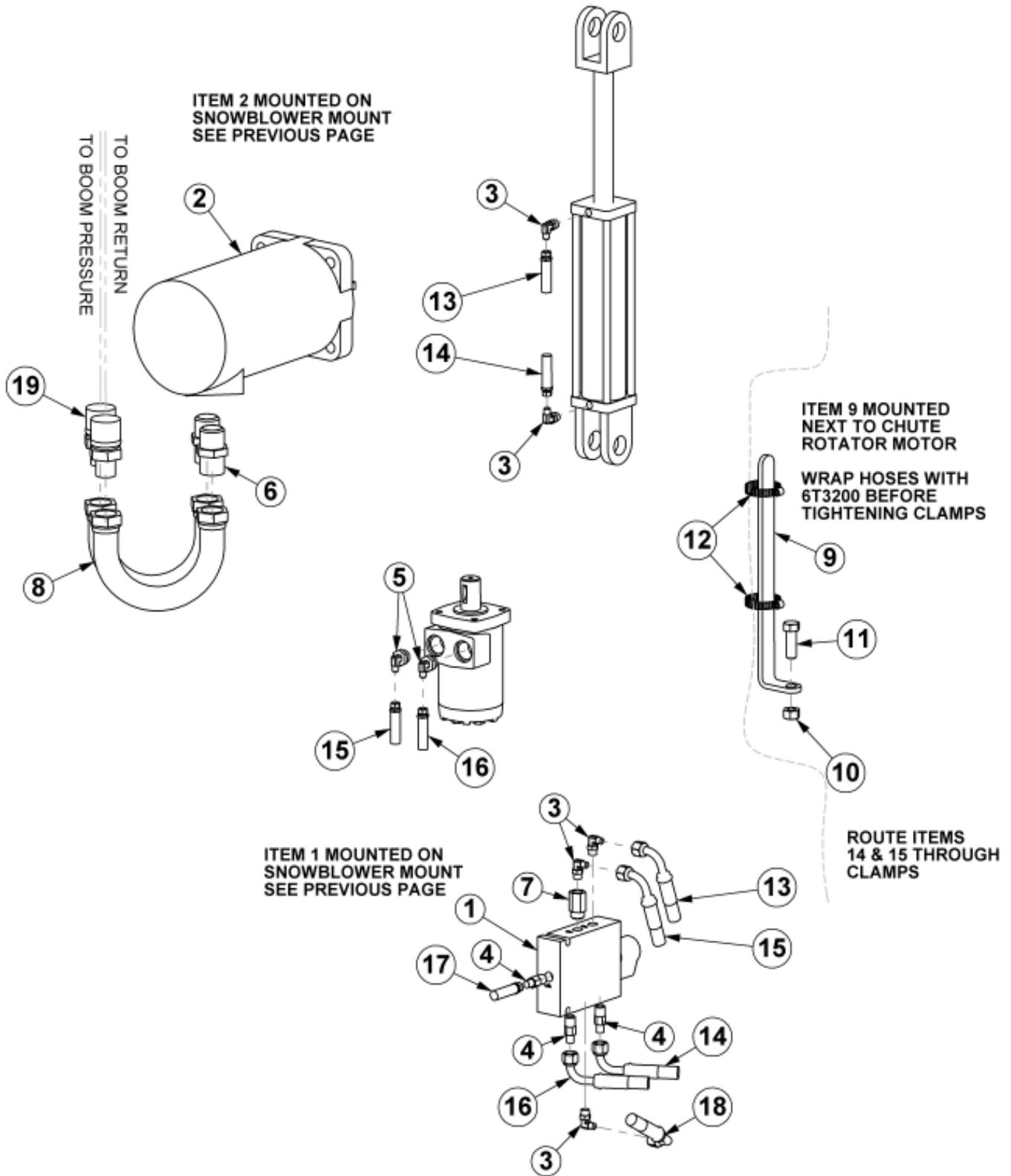


MOUNTING ASSEMBLY

ITEM	PN	QTY	DESCRIPTION
			OLDER BOOMS
1	*06310069	1	MNT,SNOWPANTHER,LEGACY,09
			SABER BOOM
1	06310067	1	MNT,SNOWPANTHER,LEGACY,09
			NEWER BOOM (GREASELESS SECONDARY)
1	06310069	1	MNT,SNOWPANTHER,LEGACY,09
2	34343	1	MOTOR,SNOWBLOWER
3	33805	2	MOUNT,PLATE,TREE,TBFS-40H
4	34954	1	ADAPTER,MOTOR,SNOWBLOWER
5	06502105	1	VLV,SELECTOR,SNOWPANTHER
6	06520389	1	KIT,COUPLER,1 1/2x1 3/4,18/80
7	06410828	1	GUARD,COUPLER,SNOWPANTHER
8	21575	2	HEX NUT, 5/16,NC
9	21580	2	CAPSCREW,5/16 X 1 NC
10	21535	2	CAPSCREW,1/4 x 2 1/4 NC
11	22014	2	FLATWASHER,1/4"
12	6T1025	4	CAPSCREW, 1/2 x 2,GR 8,NC
13	31580	20	HEX NUT, 1/2" NC,GR 8
14	21775	2	HEX NUT, 5/8
15	35176	2	U-NUT,1/4,3/4 TO CENTER
16	6T1027	16	CAPSCREW, 1/2 x 1 3/4,GR 8,NC
17	21782	2	CAPSCREW, 5/8 x 1 3/4,NC
18	6533004	36	FLAT WASHER,1/2,SAE,GR 8
19	22020	4	FLATWASHER,5/8"

*** REQUIRES ROTARY MOWER HEAD DOGLEG ASSEMBLY, SEE BOOM MOWER ORIGINAL MANUAL FOR THESE COMPONENTS**

PLUMBING ASSEMBLY



PLUMBING ASSEMBLY

ITEM	PN	QTY	DESCRIPTION
1	06502105	1	VLV,SELECTOR,SNOWPANTHER
2	34343	1	MOTOR,SNOWBLOWER
3	32810	5	ELBOW, 1/2 X 3/8"
4	33271	3	ADAPTER, 1/2" x 3/8"
5	33401	2	ELBOW,5/8MORBx3/8MJ
6	33555	2	ADAPTER,1MORB x 1MJIC
7	34073	1	ADAPTER, 1/2 MB x 1/2 FOR
8	06506012	2	PRFRMD,BRKVLV,4x1FJXx1FJX(180)
9	06401035	1	BAR,HOSES,SNOWPANTHER
10	21727	1	NYLOCK NUT, 1/2
11	21731	1	CAPSCREW, 1/2 x 1 1/2,NC
12	23568	2	CLAMP,HOSE,#24
13	06500410	1	HOSE,#4x84(6FJXx6FJX90)
14	06500411	1	HOSE,#4x76(6FJXx6FJX90)
15	06500412	1	HOSE,#4x38(6FJXx6FJX90)
16	06500413	1	HOSE,#4x31(6FJXx6FJX90)

OLDER BOOMS

17	06500414	1	HOSE,#4x64(6MJx6FJX)
18	06500415	1	HOSE,#4x69(6MJx6FJX90)
19	06500416	2	HOSE,#16x54(16MJx16FJX)

LEGAL REAR STOW BOOMS

17	06500405	1	HOSE,#4x141(5MJx6FJX)
18	06500166	1	HOSE,#4x146(6FJX90x5MJ)
19	06500406	2	HOSE,#16x131(16MJx16FJX)

SCHULTE®

SDX-840 SNOW REMOVAL

Published: 11/07

S/N B84000001711 – B84000030711 inclusive

Part No. B840-010P

PARTS MANUAL



An Operators Manual with **IMPORTANT** Safety, Assembly, Operation and Maintenance information was packaged with this Parts Manual during final inspection at the factory. If the Operators Manual is missing at any time, please contact Schulte Industries Ltd. At (306) 287-3715 to receive your free replacement manual.



Schulte Industries Ltd.

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Web: www.schulte.ca



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ISO 9001:2000



Parts Ordering Guide

The following instructions are offered to help eliminate delay and error in processing purchase orders for the equipment in this section.

1. The Purchase Order must include the name and address of the person or organization ordering the parts, who should be charged, and if possible, the serial number of the machine for which the parts were ordered.
2. The Purchase Order must clearly list the quantity of each part, the complete and correct part number, and the description of the part.
3. Schulte Industries Ltd reserves the right to substitute parts where applicable.
4. Schulte Industries Ltd reserves the right to change prices without prior notice.

NOTE: Please refer to the Safety Section in the front of the Operators Manual for the proper Part Number when ordering Replacement Safety Decals. Safety decals are available free of charge from the Schulte Parts Department.

NOTE: If the Operators Manual does not accompany this Parts Manual please obtain one, free of charge from the Schulte Parts Department. DO NOT operate this implement unless you READ, UNDERSTAND, and FOLLOW the Safety and Operation instructions contained in the Operators Manual

NOTE: Please note that the appearance of some parts may vary from the artwork shown in the Manual.



For maximum safety and to guarantee optimum product reliability, always use genuine Schulte Parts. The use of inferior replacement parts may cause premature or catastrophic failure, which could result in serious injury or death.

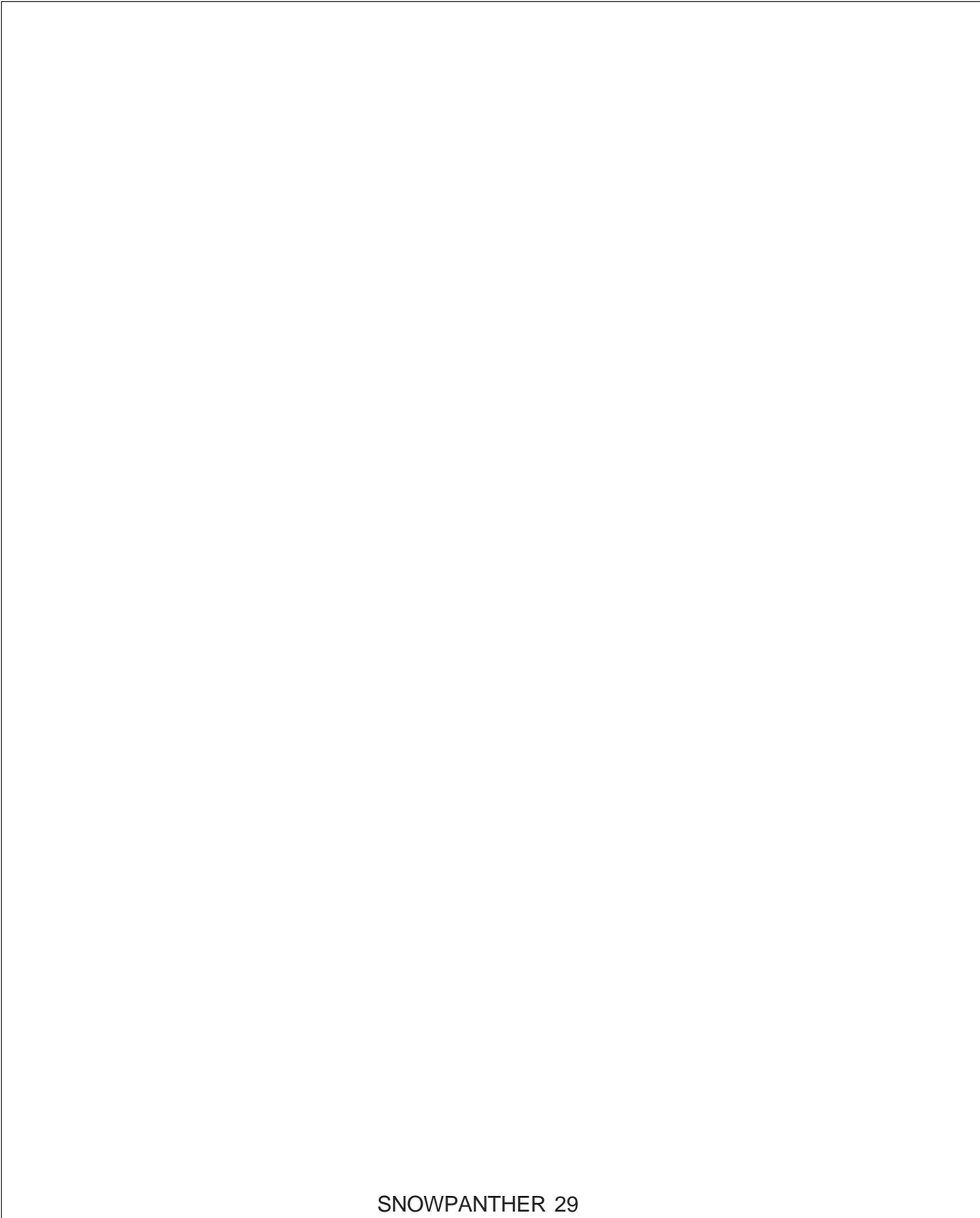
Direct any questions regarding parts to:

Schulte Industries Ltd ®
P.O. Box 70
Englefeld, Saskatchewan
Canada S0K 1N0
Phone: (306)-287-3715
Parts Fax: (306) 287-4066
Email: info@schulte.ca

SCHULTE®

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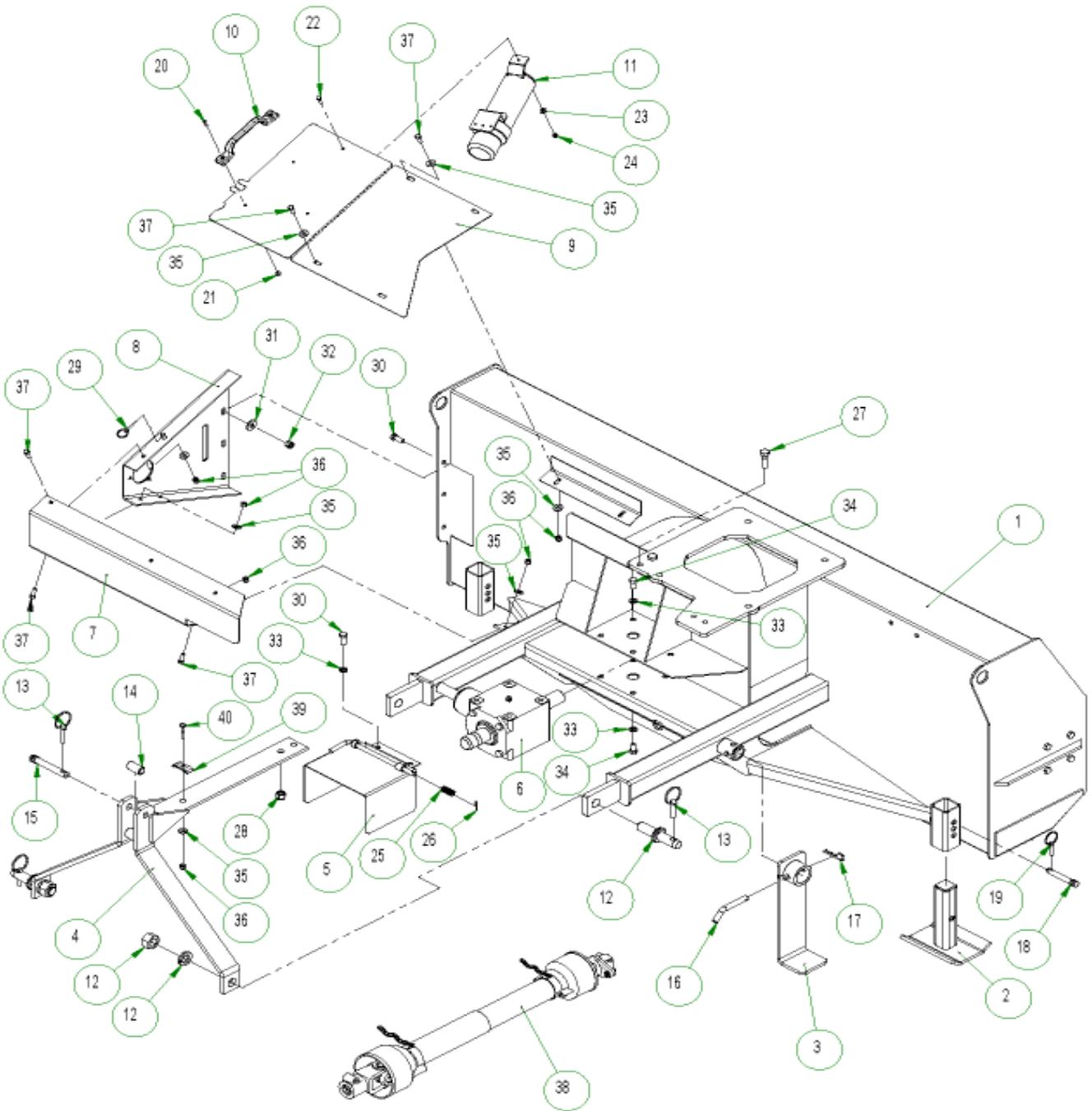
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SDX-840 FRONT VIEW

Ref.	Part No.	Qty	Description
1	B840-101	1	SDX840 Snow Blower Main Housing
2	B701-105	1	Auger assembly,
3	B701-109	1	8400 Snow blower blade,
4	B840-131	1	Fan Assembly, 4 Paddle SDX840
5	S000-110	1	SMV Sign, Galv., S276.6, V9722, w/ Black Overlay
6	B890-138	1	Plate, Bolt On, SMV Sign
7	B840-147	1	Pinion Sheild, SDX840
8	B840-145	1	Hydraulic Motor Mount, SDX840
9	B701-115	1	Drive chain guard
10	B840-144	1	Drive Pinion, Chute, SDX840
11	312-601	1	Sprocket, 60A40, 2-1/4 bore, 3- holes
12	352-500	2	Flange Complete, 1-3/8 bore, lock collar, relube
13	116-103	1	Hyd. Motor, Char-Lynn "H", 7.3 cu in. 4-bolt
14	117-013	1	Woodruff Key, #808
15	255-005	1	Lockwasher, 5/8
16	250-095	1	Bolt, 5/8 x 1-1/2 UNC, GR5, plated,
17	250-069	11	Carriage bolt, 1/2 x 1-1/2 UNC, Gd#5,
18	257-045	1	Insert, 1/2-13, .063- .200 Grip Range
19	270-007	26	Locknut, 1/2 UNC, plated
20	270-025	2	Locknut, 1/4 UNC, plated
21	270-017	2	Locknut, 3/8 UNC, plated
22	250-0021	3	1/4 x3/4 NC Gr 5 hcs, yz
23	250-018	6	Bolt, 3/8 x 1 UNC, GR5,
24	255-017	1	Lock washer, 1/4",
25	255-013	4	Lockwasher, 3/8",
26	255-009	1	Lockwasher, 1/2
27	256-011	2	Washer, 1/2, AS type A, 9/16 IDx1-3/8 ODx.109,
28	250-063	1	Bolt, 1/2 x 1 UNC, GR5, plated,
29	250-061	2	Bolt, 1/2 x 1-1/4 UNC, GR5,
30	250-060	10	Bolt, 1/2 x 1-3/4 UNC, GR5, plated,
31	250-057	3	Bolt, 1/2 x 2 UNC, GR5,
32	310-602	1	Roller chain, #60, 68-1/4",
33	311-602	2	Offset link, ANSI #60-1, single
34	311-601	1	Connector link, ANSI #60-1, single

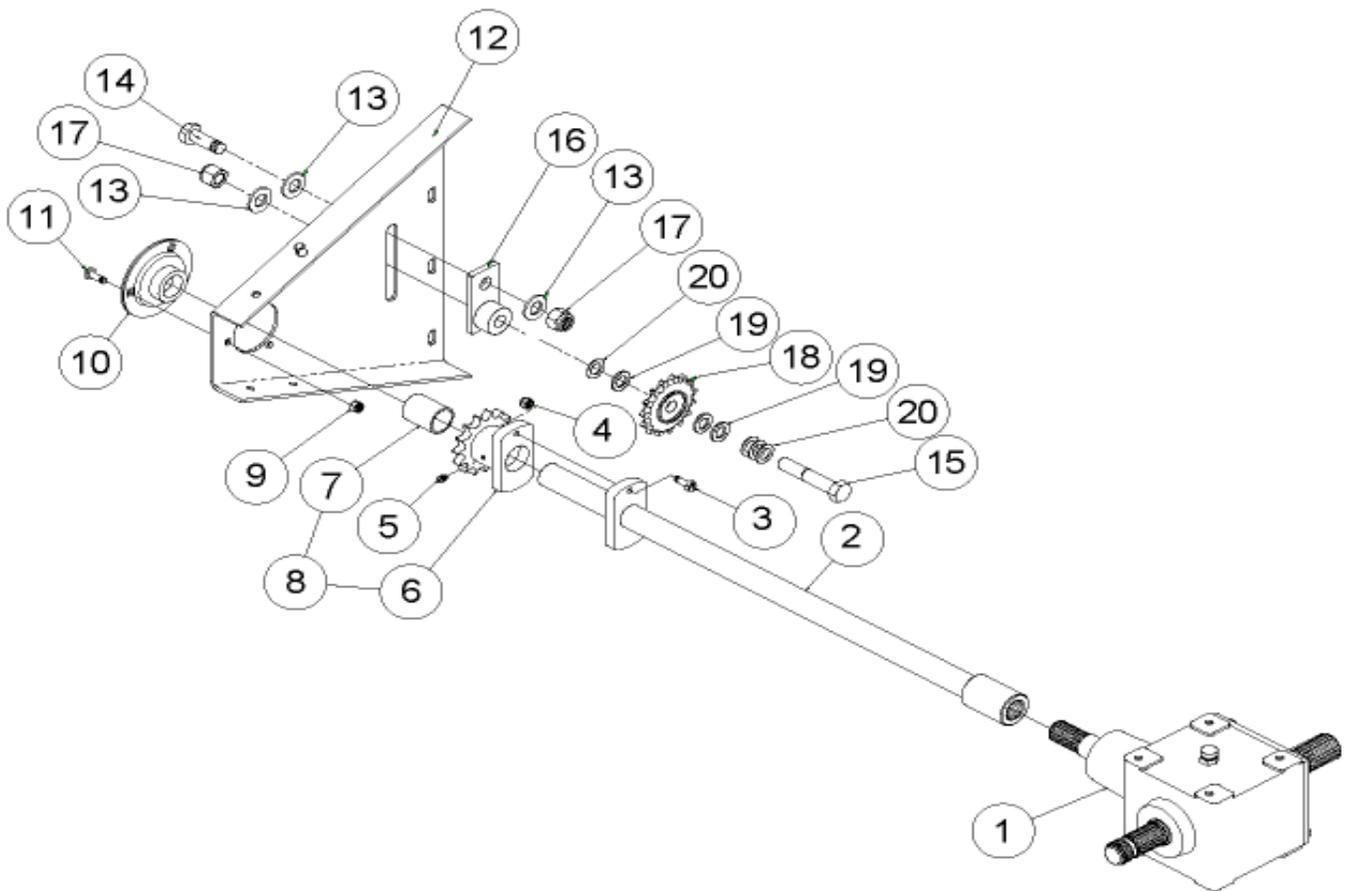
SDX-840 REAR VIEW



SDX-840 REAR VIEW

Ref.	Part No.	Qty	Description
1	B840-101	1	SDX840 Snow Blower Main Housing
2	B880-104	2	Skid shoe,
3	B801-135	1	Jack Stand, 8400,9600
4	B701-201	1	3pt hitch top arm
5	B801-116	1	Gear box shield
6	330-732	1	Gear Box, splined fan shaft, 705 Box, c/w 2824 coupler
7	B701-129	1	Shield,
8	B840-124	1	Bearing Mount
9	B701-127	1	Hatch Assembly,
10	280-150	1	Plastic handle LPC #480
11	280-201	1	Plastic Manual Storage Cannister
12	300-007	2	Lift arm pin, cat 2, 1-1/8" dia. x 1-3/4" useable
13	300-010	3	Linch pin, 7/16 standard,
14	300-006	1	Bushing, cat. 1-2, 3/4" ID x 1" OD x 1-15/16" LG
15	300-001	1	Top link pin, cat 1, 3/4" dia x 3-7/8" useable
16	302-034	1	Bent hitch pin, 5/8" dia. x 3" useable, c/w clip
17	271-053	1	Hitch pin clip, 5/32", wire dia. #10,
18	300-0011	2	Top link pin, cat 0, 5/8" dia. x 3" useable length
19	300-012	2	Linch pin, 1/4 standard,
20	251-151	2	10-24 X 3/4, Phillips head machine screw
21	270-028	2	Locknut, 10-24, Nylock
22	250-002	2	Bolt, 1/4 x 1 UNC, GR5, Plated,
23	256-018	2	Washer, 1/4",
24	270-025	2	Locknut, 1/4 UNC, plated
25	229-010	1	Compression spring, .08" wire, .72" OD, 1.5" lg.
26	271-008	1	Cotter pin, 1/8 x 1, plated
27	250-089	2	Bolt, 5/8 x 2-1/4 UNC, GR 5, plated
28	270-004	2	Locknut, 5/8 UNC, plated
29	300-0120	1	Linch pin, 3/16, standard
30	250-061	5	Bolt, 1/2 x 1-1/4 UNC, GR5,
31	256-011	3	Washer, 1/2, AS type A, 9/16 IDx1-3/8 ODx.109,
32	270-007	3	Locknut, 1/2 UNC, plated
33	255-009	8	Lockwasher, 1/2
34	250-063	6	Bolt, 1/2 x 1 UNC, GR5, plated,
35	256-017	11	Washer, 3/8",
36	270-017	10	Locknut, 3/8 UNC, plated
37	250-018	9	Bolt, 3/8 x 1 UNC, GR5,
38	340-5801	1	U-Joint, #5, Binacchi, 1-3/8z21 X 1-3/4z20,
	340-6804	1	U-Joint , #6, Binacchi, 1-3/8z21 X 1-3/4z20,
39	C000-001	1	Hose and tube clamp, 1/2"
40	250-023	1	Bolt, 3/8 x 1-3/4 UNC, GR5, pl;ated,

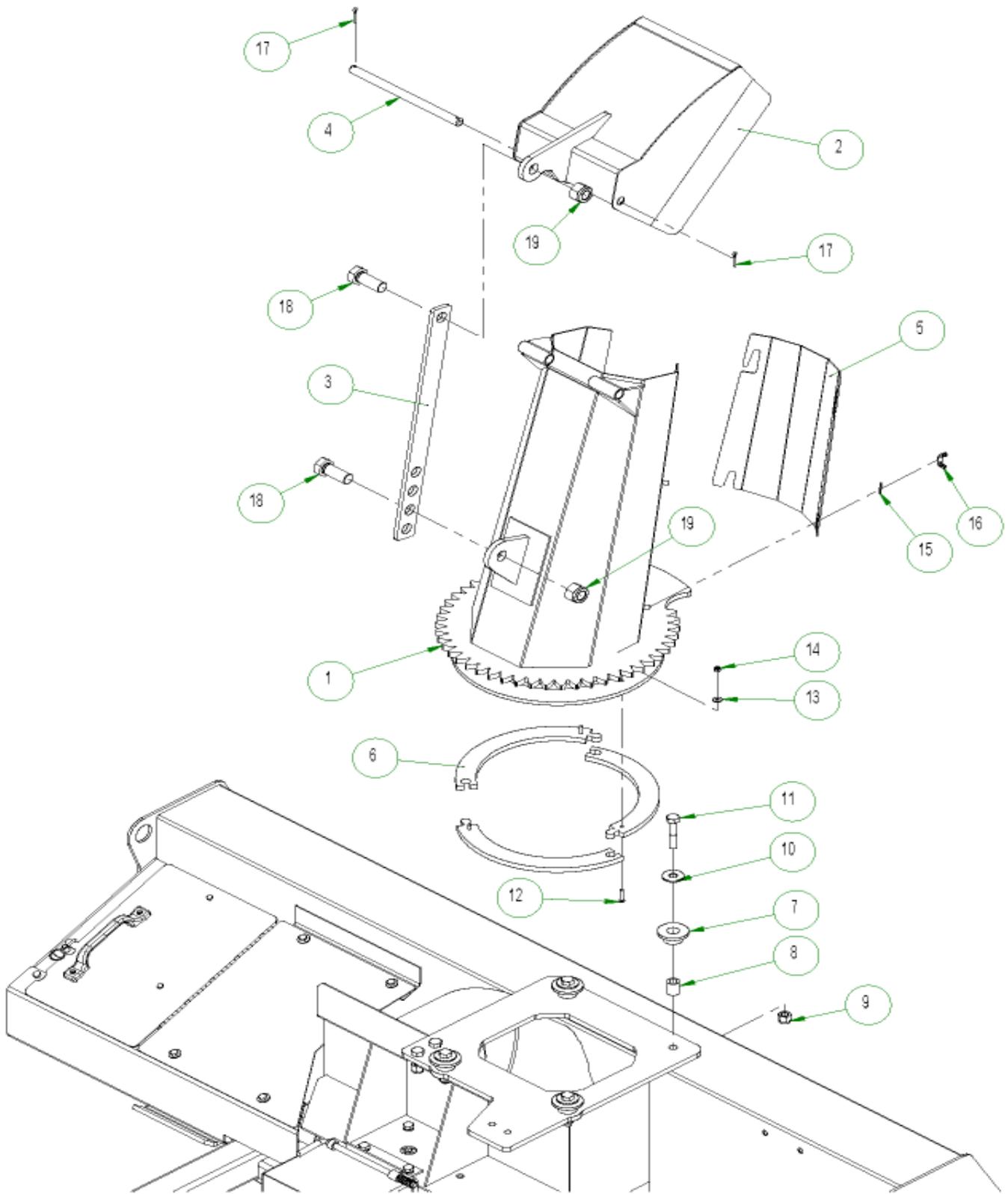
SDX-840 CROSS SHAFT



SDX-840 CROSS SHAFT

Ref.	Part No.	Qty	Description
1	330-732	1	Gear Box, splined fan shaft, 705 Box, c/w 2824 coupler
2	B701-118	1	Cross shaft,
3	250-015	1	Bolt, 5/16 x 2 UNC, GR2,
4	270-020	1	Locknut, 5/16 UNC, plated
5	273-006	1	Grease nipple, self-tap, 1/4-28
6	B701-119	1	Cross shaft sprocket & hub
7	363-008	1	Bushing brass, 1-3/8" x 1-5/8" x 2" lg.
8	B701-121	1	Cross shaft sprocket & brass,
9	270-017	3	Locknut, 3/8 UNC, plated
10	352-510	1	Flange Complete,, press steel, 1-3/8", lock collar
11	250-030	3	Carriage bolt, 3/8 x 1, UNC, Gd5, plated,
12	B840-124	1	Bearing Mount
13	256-003	3	Washer, 3/4
14	250-117	1	Bolt, 3/4 x 1-3/4 UNC, GR5, plated,
15	250-111	1	Bolt, 3/4 x 4 UNC, GR5, plated
16	B960-124	1	Idler Sprocket Mount, SDX-960
17	270-001	2	Locknut, 3/4 UNC, plated
18	313-601	1	Idler, press steel, 15T #60 . 5/8" bore,
19	256-060	3	Machine bushing, 3/4" ID x 1-1/4" OD x 10 ga.
20	256-061	4	Machine bushing, 3/4" ID x 1-1/4" OD x 18 ga.

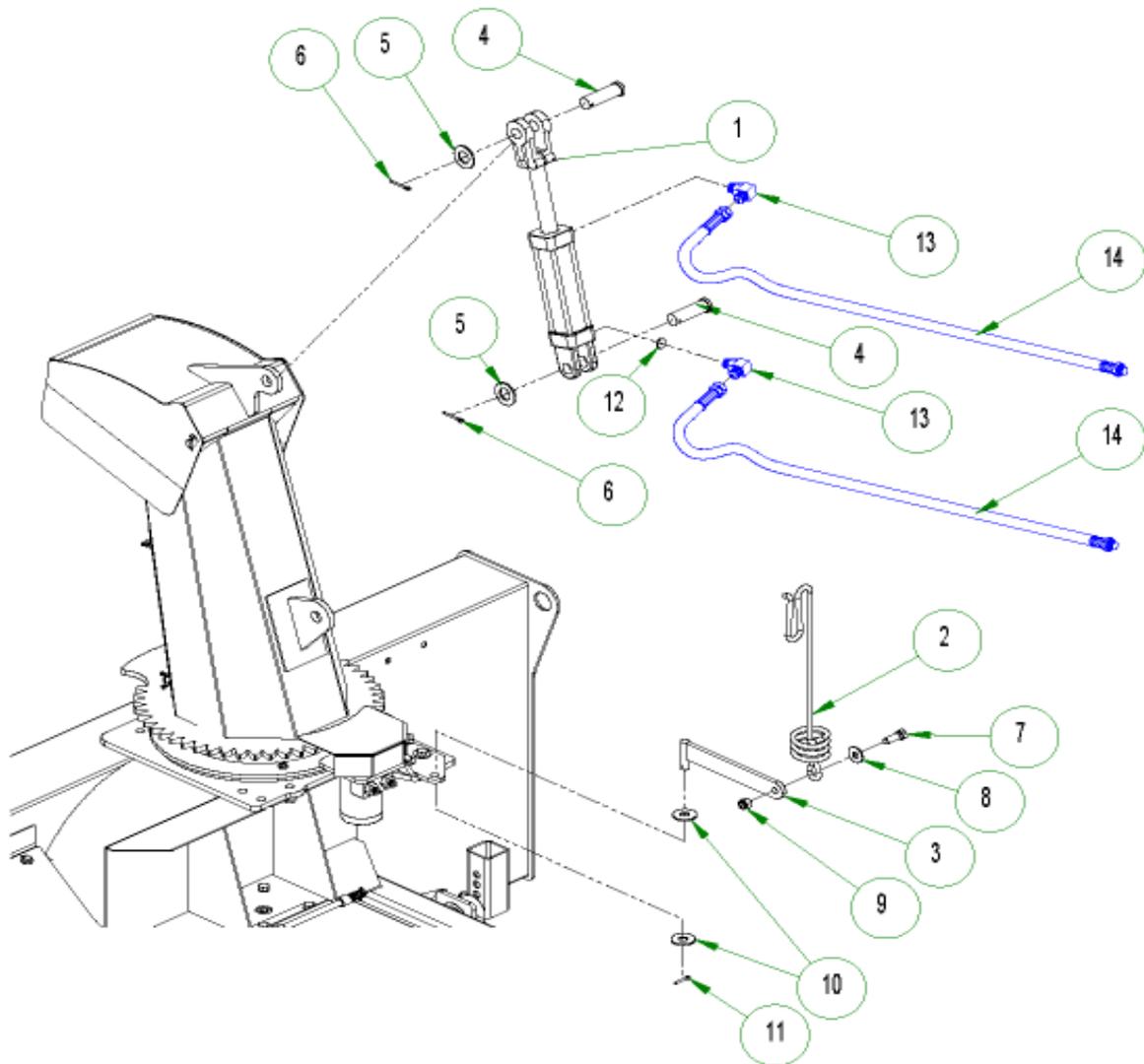
SDX-840 CHUTE VIEW



SDX-840 CHUTE VIEW

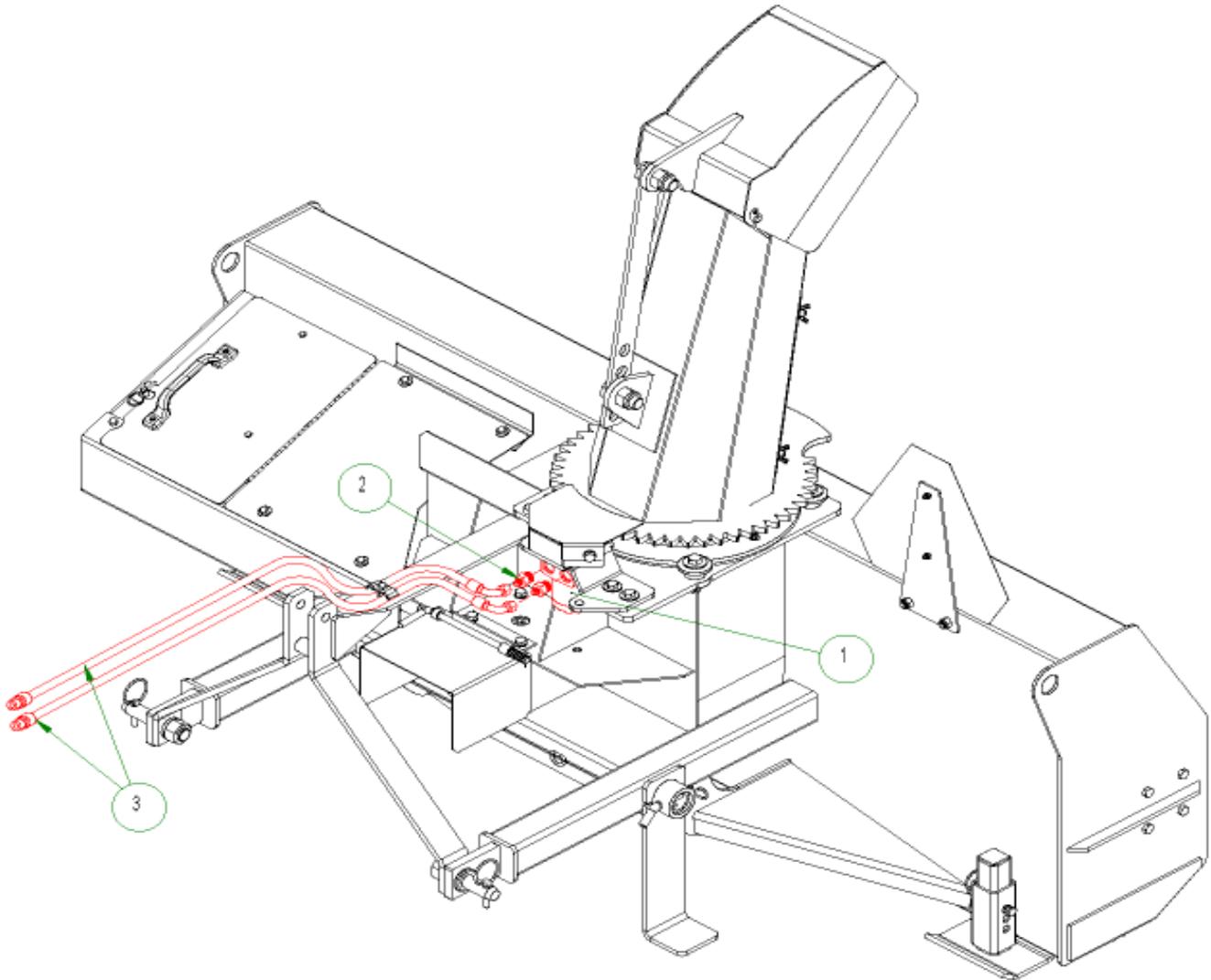
Ref.	Part No.	Qty	Description
1	B840-110	1	Chute Assembly, SDX840
2	B840-111	1	Chute Deflector SDX840
3	B620-116	1	Manual Deflector Bar
4	B840-109	1	Deflector Pin, SDX840
5	B840-114	1	Front Shield, SDX840
6	B840-155	3	Chute Retainer Ring, UHMW
7	B890-137	4	Chute Retainer Sleeve
8	363-014	4	Bronze Bushing, .625 ID x 1.0 OD x 1.25 L.G.
9	270-004	4	Locknut, 5/8 UNC, plated
10	256-006	4	Washer, 5/8",
11	250-087	4	Bolt, 5/8 x 3 UNC, GR5, plated
12	251-0083	3	Brass Slotted Flat Machine Screw 1/4-20 x 1-1/4
13	256-018	3	Washer, 1/4",
14	270-025	3	Locknut, 1/4 UNC, plated
15	256-017	4	Washer, 3/8",
16	270-026	4	3/8 NC Nylok Wingnut, Zinc.
17	271-007	2	Cotter pin, 3/16 x 1, plated
18	250-127	2	Bolt, 1 x 2-1/2 UNC, GR5, plated,
19	270-002	2	Locknut, 1", unc,

SDX-840 CHUTE HYDRAULICS



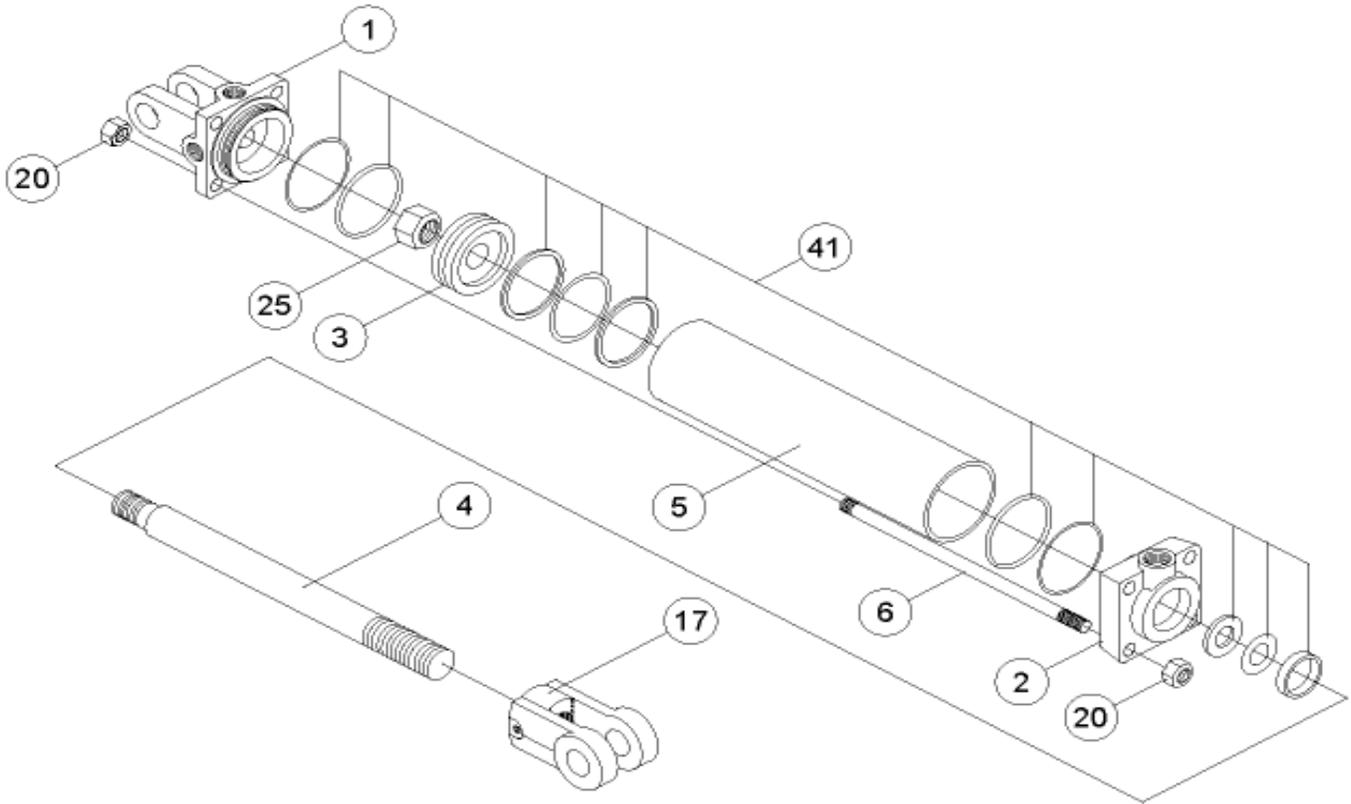
Ref.	Part No.	Qty	Description
1	100-2040	1	Cylinder , Tie Rod 2 x 6
2	228-012	1	Hose Organizer
3	B890-134	1	Hose Organizer Swivel
4	302-015	2	Clevis Pin, 1 x 2-7/8"
5	256-001	2	Washer, 1"
6	271-005	2	Cotter Pin, 3/16 x 1-1/2"
7	250-059	1	Bolt, 1/2 x 1-1/2" UNC
8	256-011	1	Washer, 1/2"
9	270-007	1	Locknut, 1/2"
10	256-006	2	Washer, 5/8"
11	271-007	1	Cotter Pin, 3/16 x 1"
12	C000-006	1	Restrictor, Screw in, Male ORB
13	108-043	2	Elbow, 90 , 3/4-16 ORB Male x 3/4 JIC Male
14	111-252	1	Hose Assembly, 115" (Normal Chute)

SDX-840 HYDRAULICS



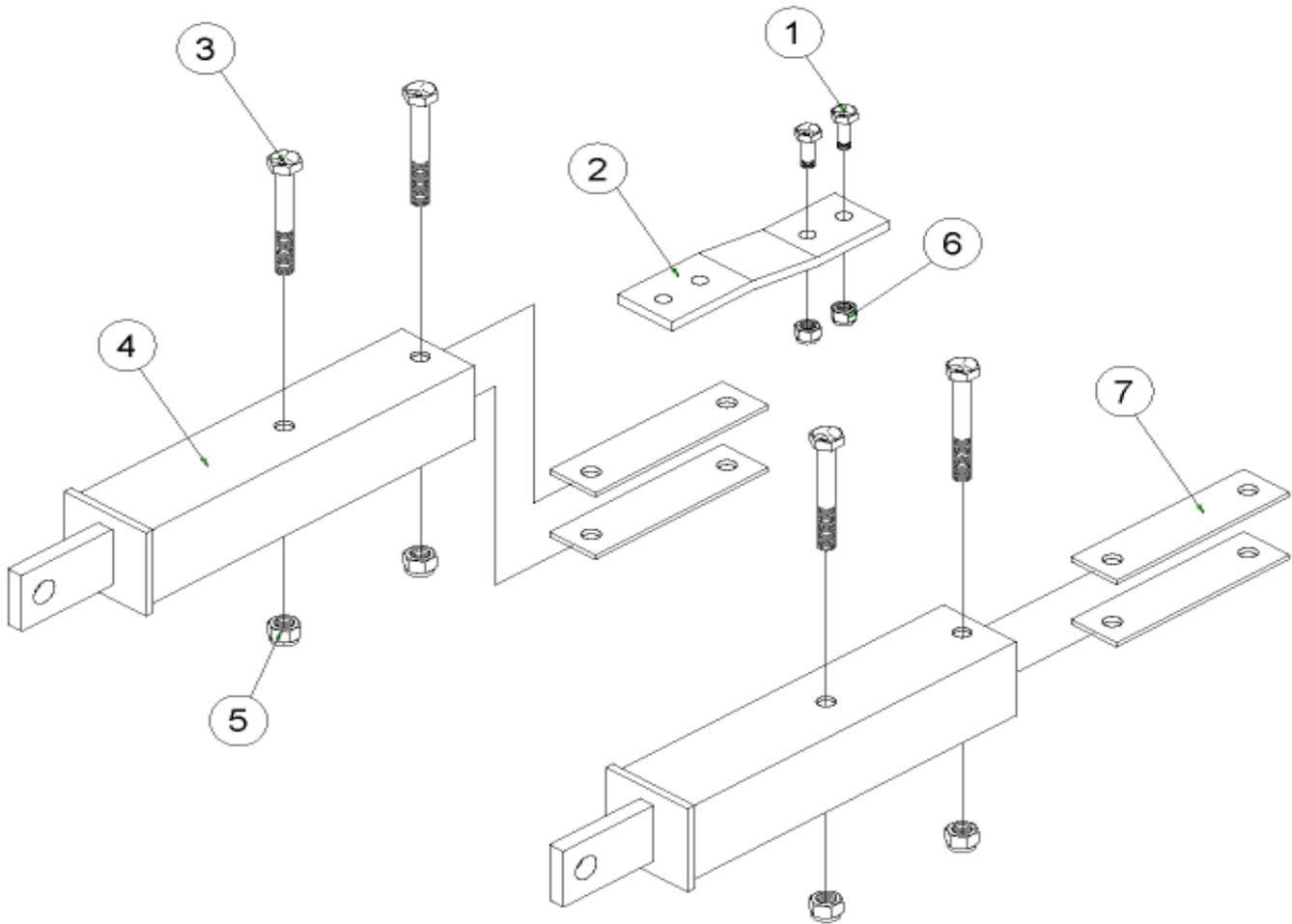
Ref.	Part No.	Qty	Description
1	116-103	1	Hyd. Motor, Char-Lynn "H", 7.3 cu in. 4-bolt
2	108-073	2	Adapter, 7/8-14 ORB Male x 9/16-18 JIC Male
3	111-290	2	Hydraulic Hose Assembly, 1/4" X 90.5"

HYDRAULIC CYLINDER, 100-2040



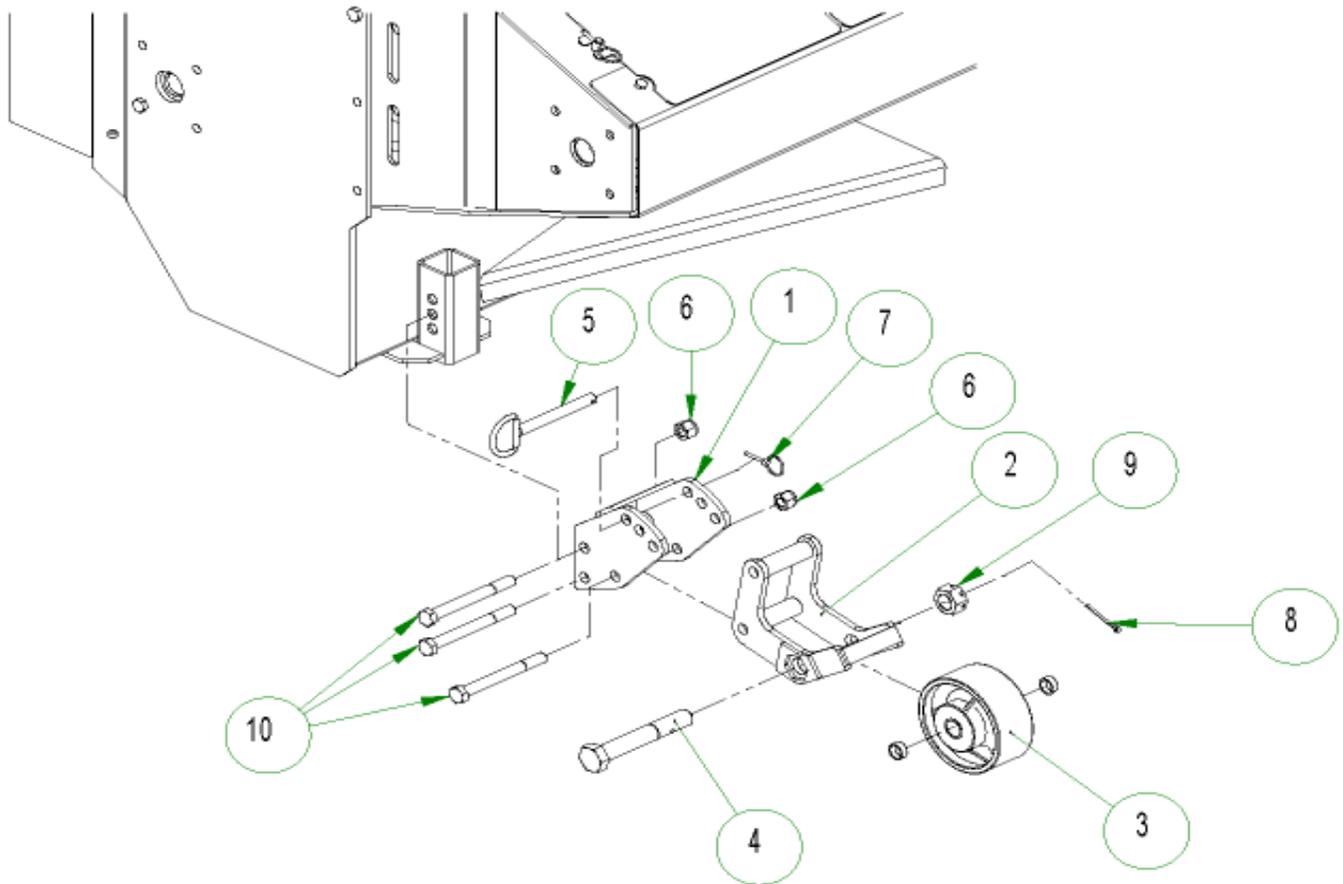
Ref.	Part No.	Qty	Description
1	101-119	1	Clevis cap
2	101-117	1	Rod cap
3	101-118	1	Piston
4	101-120	1	Rod
5	101-116	1	Cylinder tube
6	101-121	4	Tie rod
17	101-202	1	Rod clevis
20	257-022	8	Nut
25	101-122	1	Piston nut
41	101-115	1	Seal kit

8400 & SDX-840-EXTENSION KIT



Ref.	Part No.	Qty	Description
1	250-090	2	Bolt, 5/8" x 2" UNC
2	B701-263	1	Extension top plate
3	250-110	4	Bolt, 3/4" x 5" UNC
4	B701-261	2	Extension arm assembly
5	270-001	4	Lock nut, 3/4" UNC
6	270-004	2	Lock nut, 5/8" UNC
7	B701-262	4	Extension arm spacer

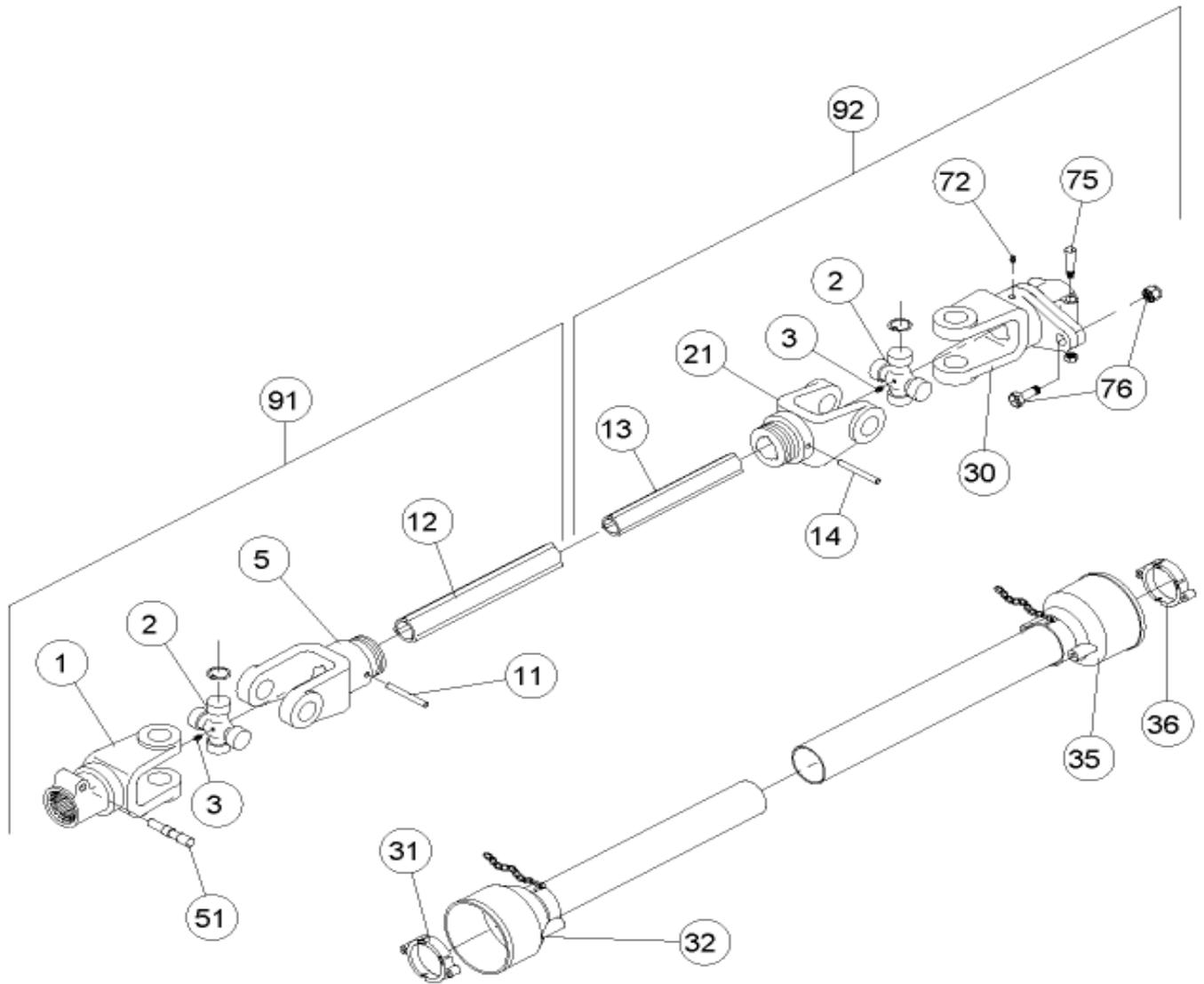
GAGE WHEEL OPTION



GAGE WHEEL OPTION

Ref.	Part No.	Qty	Description
1	B890-172	2	Gage Wheel Mount Assembly
2	B890-171	2	Gage Wheel Fork Assembly
3	210-013	2	Castor Wheel, 6" Dia (Complete)
4	B890-173	2	Pin, 1" Dia. X 4-1/4" U.L.
5	B890-170	2	Adjustment Pin Assembly
6	270-004	6	Locknut, 5/8
7	300-0120	2	Lynch Pin, 3/16
8	271-006	2	Cotter pin, 3/16 x 2
9	257-009	2	Castle Nut, 1" UNC
10	250-078	6	Bolt, 5/8 x 6 UNC
11	207-070	2	Castor Wheel Bearing / Seal Kit (Not Shown)

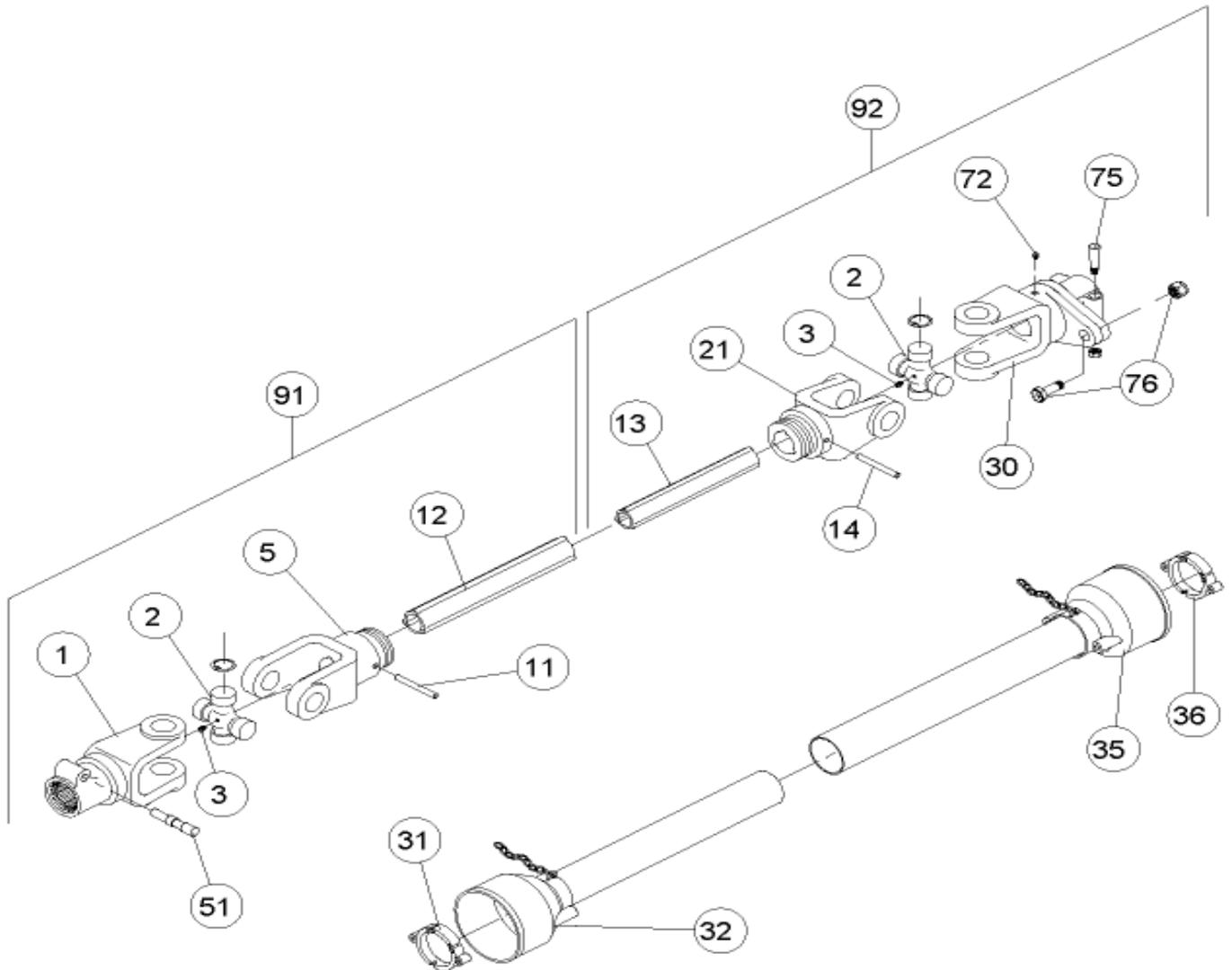
DRIVELINE, 340-5801



DRIVELINE, 340-5801

Ref.	Part No.	Qty	Description
1	341-5801	1	Yoke, 1-3/8, Z6
2	341-695	2	Cross kit
5	341-703	1	Yoke, outer tube
11	341-702	1	Flexible pin
12	341-5802	1	Outer tube
13	341-5803	1	Inner tube
14	341-697	1	Flexible pin
21	341-698	1	Yoke, inner tube
30	341-5810	1	Complete shear yoke assy
31	341-5804	1	Outer bearing
32	341-6803	1	Outer cone set & tube
35	341-6806	1	Inner cone set & tube
36	341-5805	1	Inner bearing
51	341-0401	1	Push pin kit
72	341-653	1	Grease zerk
73	341-708	1	Ball
75	341-802	1	Tapered pin & nut
76	341-705	1	Shear pin & nut
91	341-5806	1	U-joint half female, tractor end
92	341-5807A	1	U-joint half male, implement end
-	340-5801	1	Complete Driveline, Binnachi size 5

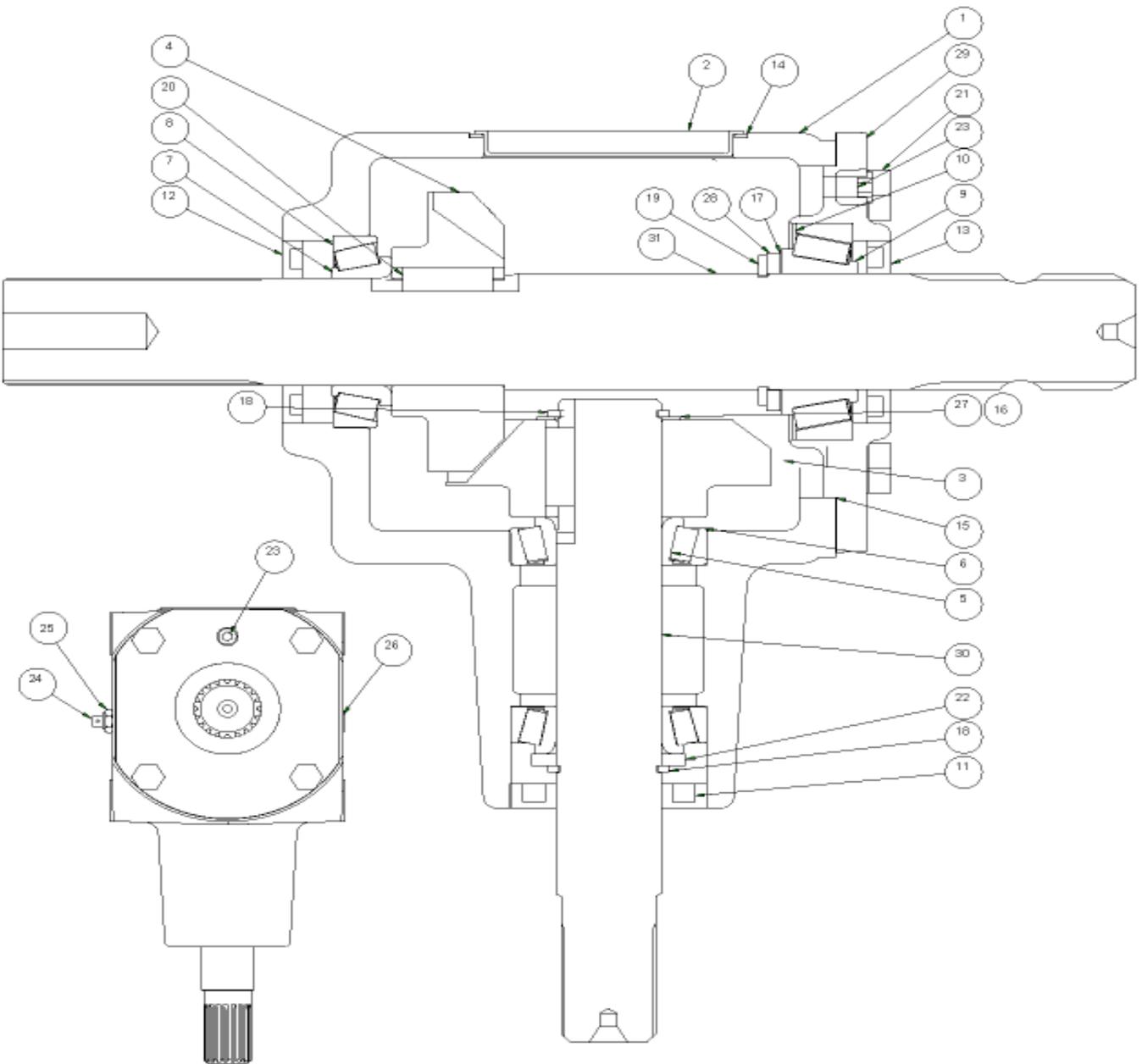
DRIVELINE, 340-6804



DRIVELINE, 340-6804

Ref.	Part No.	Qty	Description
1	341-0623	1	Yoke, 1-3/8, Z6
2	341-605	2	Cross kit
5	341-622	1	Yoke, outer tube
11	341-621	1	Flexible pin
12	341-6811	1	Outer tube
13	341-6812	1	Inner tube
14	341-616	1	Flexible pin
21	341-617	1	Yoke, inner tube
30	341-6815	1	Complete shear yoke assembly
31	341-6802	1	Outer bearing
32	341-6803	1	Outer cone set & tube
35	341-6806	1	Inner cone set & tube
36	341-6807	1	Inner bearing
51	341-0401	1	Push pin kit
72	341-653	1	Grease zerk
73	341-0678	1	Ball
75	341-802	1	Tapered Pin & Nut
76	341-6014	1	Shear pin & nut
91	341-6809	1	U-joint half female, tractor end
92	341-6810A	1	U-joint half male, implement end
-	340-6804	1	Complete Driveline, Binnachi size 6

GEARBOX, 330-732



GEARBOX, 330-732

Ref.	Part No.	Qty	Description
1	331-7324	1	Case
2	331-7308	1	Cover - Open
3	331-7320	1	Gear, 17T , 1-3/8"
4	331-7319	1	Gear, 17T , 1-5/8"
5	207-015	2	Bearing, Cone
6	207-016	2	Bearing, Cup, 1-3/8
7	331-7315	1	Bearing, Cone
8	331-7316	1	Bearing, Cup, 1-5/8
9	331-108	1	Bearing, Cone
10	207-014	1	Bearing, Cup
11	331-7310	1	Seal, 1-3/8
12	331-7309	1	Seal, 1-5/8
13	334-623	1	Seal
14	331-7332	1	Gasket
15	331-7306	1	Shim - Cover .007"
16	331-7314	2	Shim, .007" x 1-3/8"
17	331-1520	1	Shim
18	331-4110	2	Snap Ring, 1-3/8"
19	331-1516	1	Snap Ring
20	331-1510	2	Key, 3/8" Sq. x 1.46
21	331-7326	4	Bolt, 1/2-13 UNC x 1"
22	331-4112	1	Washer, 1-3/8"
23	331-4120	1	Pipe Plug, 1/4 NPT
24	331-4121	1	T-Vent, 1/4 NPT
25	331-7302	1	Bushing, 3/8 NPT - 1/4 NPT
26	331-7304	1	Pipe Plug, 3/8 NPT
27	331-7303	1	Washer, 1-3/8
28	331-1514	1	Washer, 1.75 x .179
29	331-7333	1	Cover - Open
30	331-7318	1	Quill Shaft
31	331-7334	1	Thru Shaft

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WARRANTY INFORMATION

LIMITED WARRANTY POLICY ON TIGER TWIN STAGE SNOW BLOWER

TIGER warrants that in the event of any defect in material or workmanship in the Snow Blower, the subject of this warranty (“the goods”) during the warranty period mentioned below the manufacturer will provide the cover specified below.

This warranty is in lieu of all other warranties, expressed or implied. The manufacturer makes no warranty of merchantability or of fitness for any particular purpose. The manufacturer’s obligation under this warranty shall not include any transportation charges or costs of installation, or any liability, whether in contract or in tort, for direct, indirect, special, incidental, or consequential damages or delay. This warranty does not extend to impose any further liability on the manufacturer than set out below.

CONDITIONS

1. This warranty does not extend to:
 - (A) Damage or deterioration after delivery from the manufacturer’s works not attributable to defective material or workmanship.
 - (B) Any goods after they have been altered or repaired other than by the manufacturer’s employees or its’ agents in each case authorized in writing by the manufacturer to effect that specific alteration or repair to those specific goods.
 - (C) Any equipment or machinery of any kind furnished by the buyer, or belonging to, or acquired from third parties at the buyer’s request, or supplied, or made to the buyer’s specifications.
 - (D) Any goods which have sustained damage or deterioration attributable to damage from foreign objects (eg. stones, iron, material other than snow), inadequate or faulty assembly, improper or inadequate maintenance, or neglect, or abuse.
 - (E) Normally wearing parts (eg. blade, sprockets, chains, skid shoes)

2. This warranty is conditional upon:
 - (A) Care maintenance and operation in accordance with the manufacturer’s specifications and recommendations (as set out, or referred to in the ‘manual’) supplied for the goods.
 - (B) Filling out the manufacturer’s Warranty Validation form, and returning it to the manufacturer within thirty (30) days of receipt of goods by the buyer.
 - (C) Filling out the manufacturer’s Warranty Claim form and returning it to the manufacturer within thirty (30) days of the repair.
 - (D) Examination of the goods by the manufacturer or one of its agents to verify that the goods are defective in material or workmanship.

WARRANTY INFORMATION

COVER

3. In respect of claims notified:

Non-commercial, governmental, municipal or farm use - During the first twelve (12) months, parts and labor on repair.

Commercial use - During the first thirty (30) days, parts and labor on repair.

Rental use - During the first thirty (30) days, parts and labor on repair.

4. The buyer is responsible for any labor charges exceeding a reasonable amount as determined by the manufacturer and for returning the goods to the dealer, whether or not the claim is approved. The buyer is responsible for the transportation costs of the goods or part(s) from the dealer to the designated factory.

WARRANTY PERIOD

5. Non-commercial, governmental, municipal or farm use - The warranty period shall be the period of twelve (12) months from the date that the goods are received by the buyer.

Commercial use - The warranty period shall be the period of thirty (30) days from the date that the goods are received by the buyer.

Rental use - The warranty period shall be the period of thirty (30) days from the date that the goods are received by the buyer.

6. All notices and correspondence to the manufacturer shall be confirmed by letter addressed to:

Attention: Customer Service
Tiger Corporation
3301 N. Louise Ave.
Sioux Falls, SD. 57107

