

SKID STEER SNOW BLOWER

SSBP150, SSBP180

170309, 170310



Operator's Manual



Read the Operator's Manual entirely. When you see this symbol, the subsequent instructions and warnings are serious follow without exception. Your life and the lives of others depend on it!

SAFETY – GENERAL SAFETY INFORMATION

All products are designed to give safe, dependable service if they are operated and maintained according to instructions. Read and understand this manual before operation.

Remember, YOU are the key to safety. Good safety practices not only protect you, but also the people around you. Make these practices a working part of your safety program. Be certain that everyone operating this equipment is familiar with the recommended operating and maintenance procedures and follows all the safety precautions. Most accidents can be prevented. Do not risk injury or death by ignoring good safety practices.

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

A safe operator is the best assurance against accidents. All operators, no matter how experienced they may be, should read this operator's manual and all other related manuals before attempting to operate the equipment. Please read the following section and pay particular attention to all safety recommendations contained in this manual and those labeled on the equipment and on the skid steer.

The alert symbol is used throughout this manual. It indicates attention is required and identifies hazards. Follow the recommended precautions.



The safety alert symbol means...

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!



CAUTION

The caution symbol 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 practices.



WARNING

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



DANGER

The Danger Symbol indicates an imminently hazardous situation that, if not avoided will result in death or serious injury. This signal word is to be limited to the most extreme situations, typically for machine components that, for functional purposes, cannot be guarded.

SAFETY – SAFETY PRECAUTIONS

SNOW BLOWER

1. Read and understand this operator's manual and skid steer operator's manual. Know how to operate all controls and how to stop the unit and disengage the controls quickly.
2. Before attempting to remove obstructions (including plugged wet snow) from the snow blower (i.e., deflector, chute, fan, or collector auger areas) always turn off the skid steer.
3. Never wear loose, torn, or bulky clothing around the skid steer and the snow blower. It may catch on moving parts or controls, causing injury.
4. Before and during the snow season, thoroughly inspect the area where the equipment is to be used and remove all objects that may cause damage to the equipment.
5. Set transmission to neutral and disengage clutch, if equipped, before starting the engine.
6. Do not operate equipment in wintertime without wearing adequate winter garments and protective clothing.
7. Never attempt to make any adjustments while engine is running. Read this manual carefully to acquaint yourself with the equipment as well as the skid steer operator's manual. Working with unfamiliar equipment can lead to accidents. Be thoroughly familiar with the controls and proper use of the equipment.
8. Keep all safety guards in place and verify hardware for proper tightening.
9. Check for moving parts excessive wear regularly. Replace worn parts with genuine parts.
10. Replace all missing, illegible, or damaged safety and warning decals. See list of decals in operator's manual.
11. Keep safety decals clean of dirt and grime.
12. Do not modify or alter this equipment or any of its components, any equipment or any of its components or any equipment function without first consulting your dealer.
13. Use of counterweights is recommended. Weights provide the necessary balance to improve stability, traction, and steering. Use only those recommended by your dealer.

SKID STEER

1. Read the operator's manual carefully before using skid steer. Lack of operating knowledge can lead to accidents.
2. Do not permit anyone but the operator to ride on the skid steer. There is no safe place for passengers.

SNOW BLOWER OPERATIONS

1. Before leaving the skid steer unattended, take all possible precautions. Park the skid steer/snow blower on level ground, place the transmission in neutral, set the parking brake, disengage the Aux hydraulics, lower the equipment to the ground, place all levers including auxiliary control levers in neutral, shut off the engine and remove the ignition key.
2. Before starting the skid steer/snow blower, remove any ice that has accumulated in the auger/fan
3. Prior to operation, clear work area of all objects that can be picked up and thrown. Mark all curbs, pipes, etc. that cannot be moved.
4. Be sure the Aux hydraulics switch/lever is in OFF position before starting engine.
5. Exercise extreme caution when operating on or crossing a gravel drive, walks, or roads. Stay alert for hidden hazards or traffic.
6. Do not carry passengers.
7. Adjust skid shoes – housing height to clear gravel or crushed rock surface.
8. Keep clear of rotating parts. Do not put hands or feet under or into snow blower with engine running and allow the rotating parts to stop BEFORE unclogging the collector/fan housing or chute, and making any repairs, adjustments, or inspections. Use only a 36" long piece of wood to unclog blower.
9. Park the skid steer/snow blower on level ground, place the transmission in neutral, set the parking brake, disengage the Aux hydraulics, lower the equipment to the ground, place all control levers in neutral, shut off the engine, remove the ignition key and allow the rotating parts to stop BEFORE unclogging the collector/fan housing or chute, and making any repairs, adjustments, or inspections. Use only a 36" long piece of wood to unclog blower.
10. If the snow blower starts to vibrate abnormally, disengage the Aux hydraulics, stop the engine immediately and check for cause. Excessive vibration is generally a sign of trouble.
11. Do not run the engine indoors except when starting engine and transporting attachment in or out of building. Carbon monoxide gas is colorless, odorless, and deadly.
12. Do not attempt to operate on steep slopes. If operating on slopes is necessary, exercise extreme caution when changing direction.
13. Never operate snow blower without guards, and other safety protective devices in place.
14. Keep clear of chute discharge. This chute has the capability of throwing objects at far distances.
15. Never operate snow blower near glass enclosures, automobiles, window wells, embankments, etc. without proper adjustment of snow discharge angle.
16. Never operate machine at high transport speeds on a slippery surface.
17. Use extra caution when backing up.
18. Do not direct discharge at bystanders or animals. Ejected objects may cause injury.
19. Disengage power to auger/fan when transporting or when not in use.
20. Never operate the snow blower without good visibility and lighting.
21. Prolonged exposure to loud noise can cause impairment or loss of hearing. Wear a suitable hearing device such as earmuffs or earplugs to protect against objectionable or uncomfortable noises.
22. Never allow anyone near the work area.

DURING OPERATIONS

1. Do not allow passengers on the skid steer/snow blower at any time. There is no safe place for passengers on the equipment. The operator **MUST** sit in the skid steer seat.
2. Eye and hearing protection is recommended when operating the snow blower.
3. Operate only during daylight hours, or when the area is well lit with bright artificial light.
4. Park the skid steer/snow blower on level ground, place the transmission in neutral, set the parking brake, disengage the Aux hydraulics, lower the equipment to the ground, place all control levers in neutral, shut off the engine and remove the ignition key **BEFORE** leaving the operator's seat.
5. Inspect the snow blower after striking any foreign object to assure that all snow blower parts are safe and secure and not damaged.
6. Be especially observant of the operating area and terrain. Watch for holes, rocks, or other hidden hazards. **ALWAYS** inspect the area prior to blowing.
7. **DO NOT** blow near the edge of drop-offs or banks.
8. **DO NOT** blow on steep slopes as overturn may result.
9. Operate up and down (not across) intermediate slopes. Avoid sudden starts and stop.
10. Drive skid steer backwards up steeper slopes with blower off. Then blow as you travel down the slope.
11. Slow down before you change directions on any slope.
12. Use wheel weights on your skid steer to increase stability on slopes.
13. Never stand alongside of the unit while the engine is running.

MAINTENANCE

Always use genuine parts when replacement parts are required during operation.

1. Keep the skid steer and snow blower properly maintained.
2. Park the skid steer/snow blower on level ground, place the transmission in neutral, set the parking brake, disengage the Aux hydraulics, lower the equipment to the ground, place all control levers in neutral, shut off the engine and remove the ignition key and allow the rotating parts to stop **BEFORE** making any snow blower adjustments.
3. To avoid injury, do not adjust, unclog, or service the snow blower with the skid steer engine running. Make sure rotating components have completely stopped before leaving the operator's seat.
4. Keep the skid steer/snow blower clean. Snow and ice build-up can lead to malfunction or personal injury from thawing and refreezing in garage.
5. Always wear eye protection when cleaning or servicing the snow blower.
6. Service the unit in safety: **DO NOT** service the skid steer while the engine is running or hot, or if the unit is in motion. Always lower snow blower to the ground. If necessary to service unit with blower raised, securely support with stands or suitable blocking before working underneath. Do not rely on hydraulically supported devices for your safety. They can settle suddenly, leak down, or be accidentally lowered.
7. Do not attempt to service machine, clear obstructions or unplug blockages with the engine running. Always shut off engine and allow all motion to cease.
8. The manufacturer will not claim responsibility for fitment of unapproved parts and/or

accessories and any damages as a result of their use.

9. Make sure all shields and guards are securely in place following all service, cleaning, or repair work.
10. Do not modify or alter this equipment or any of its components or operating functions. If you have any questions concerning modifications, consult with your dealer.
11. Do not operate a unit which is defective or has missing parts. Make sure that all recommended maintenance procedures are completed before operating the unit.
12. Check all controls regularly and adjust where necessary.
13. Periodically check all nuts and bolts for tightness, especially wheel hub and rim nuts.
14. Snow blower fan and auger must be checked for tightness. Remove any twine, wire, etc. that may have wrapped on the fan or the auger.
15. To avoid serious personal injury: Escaping hydraulic/diesel fluid under pressure can penetrate the skin causing serious injuries. Do not use your hands to check for leaks. Use a piece of cardboard or paper to search for leaks.
16. Stop engine and relieve pressure before connecting lines. Tighten all connections before starting engine or pressurizing lines.

TRANSPORTING

1. Transporting on public roadway: When driving the skid steer and equipment on the road or highway under 25 mph, at night or during the day, use flashing amber warning lights and the Slow-Moving Vehicle ("SMV") identification emblem.
2. Check local traffic codes that may apply to unit usage on public roads and highways in your area. The use of flashing amber lights is acceptable in most localities. However, some localities may prohibit their use.
3. Always disengage equipment drive prior to transporting unit.

STORAGE

Before storing the snow blower, certain precautions should be taken to protect it from deterioration.

1. Clean the snow blower throughout.
2. Make all the necessary repairs.
3. Replace all safety signs that are damaged, lost, or otherwise become illegible. If a part to be replaced has a sign on it, obtain a new safety sign from your dealer and install it in the same place as on the removed part.
4. Repaint all parts from which paint has worn or peeled.
5. Lubricate the snow blower as instructed under the "Lubrication" section.
6. When the snow blower is dry, oil all moving parts. Apply oil liberally to all surfaces to protect against rust.
7. Store in a dry place.

SAFETY SIGNS

The following illustration shows the approximate location and detail of safety signs. Keep all safety signs clean and legible and replace any that are damaged or missing. When original parts are replaced, any safety signs affixed to those parts should be replaced as well. Replacement safety signs are available from your local dealer.



PACKING LIST AND ASSEMBLY INSTRUCTIONS

PACKING DESCRIPTION

- a. Remove the packing, check goods are without defect and omission.

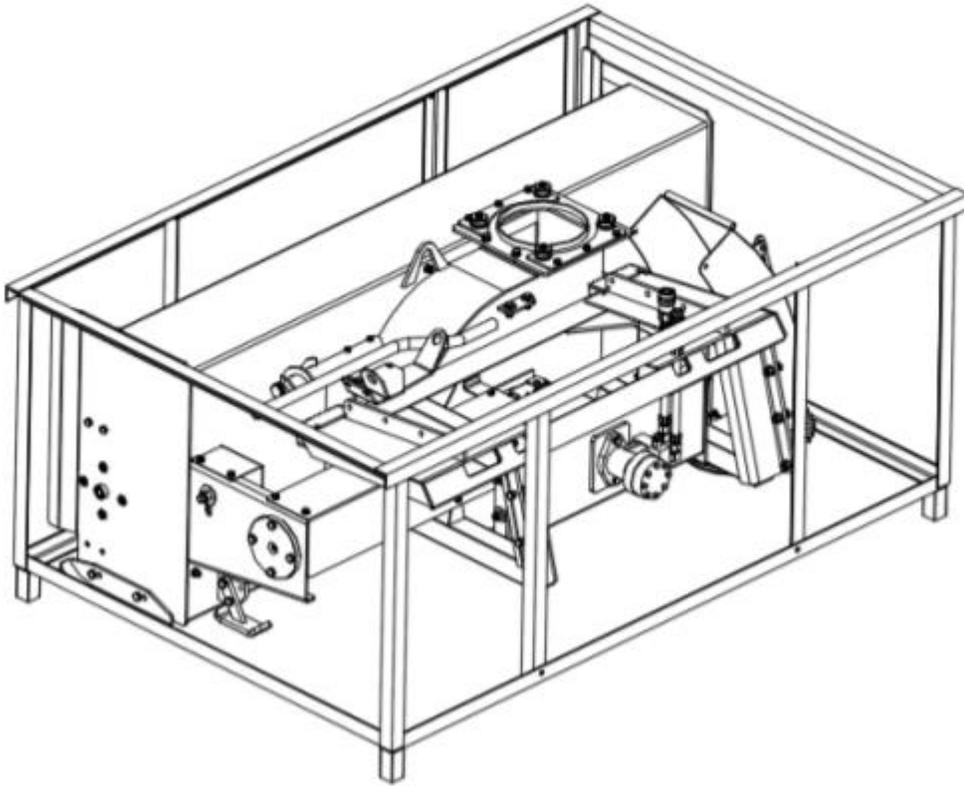


FIGURE 1: Your New Snowblower as It Is Shipped To You

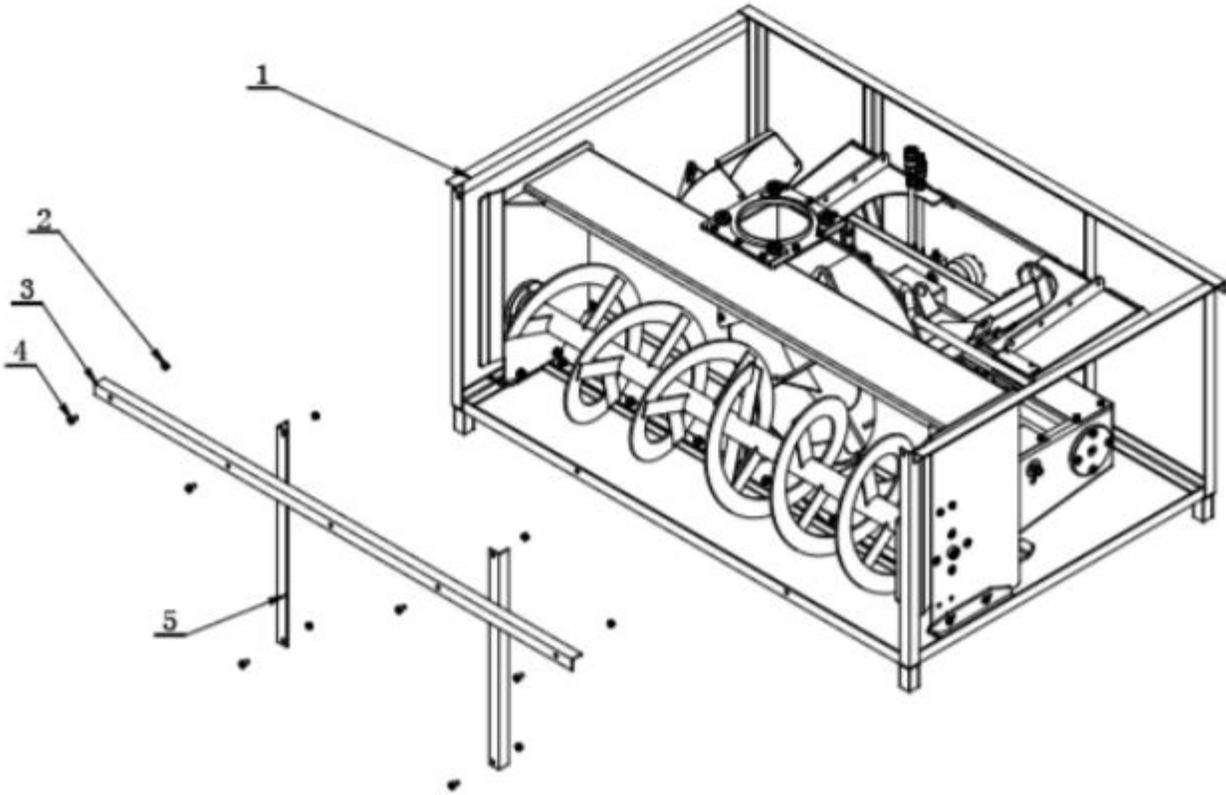


FIGURE 2: Packaging frame decomposition

PACKING RACK LIST :

Item	Description	Qty.	Package Form
1	Packing rack	1	None
2	Locknut M10	6	Crate attachment
3	Removable angle steel	1	Crate attachment
4	Bolt M10x20	6	Crate attachment
5	Removable angle steel	2	Crate attachment

1.2 PACKING LIST

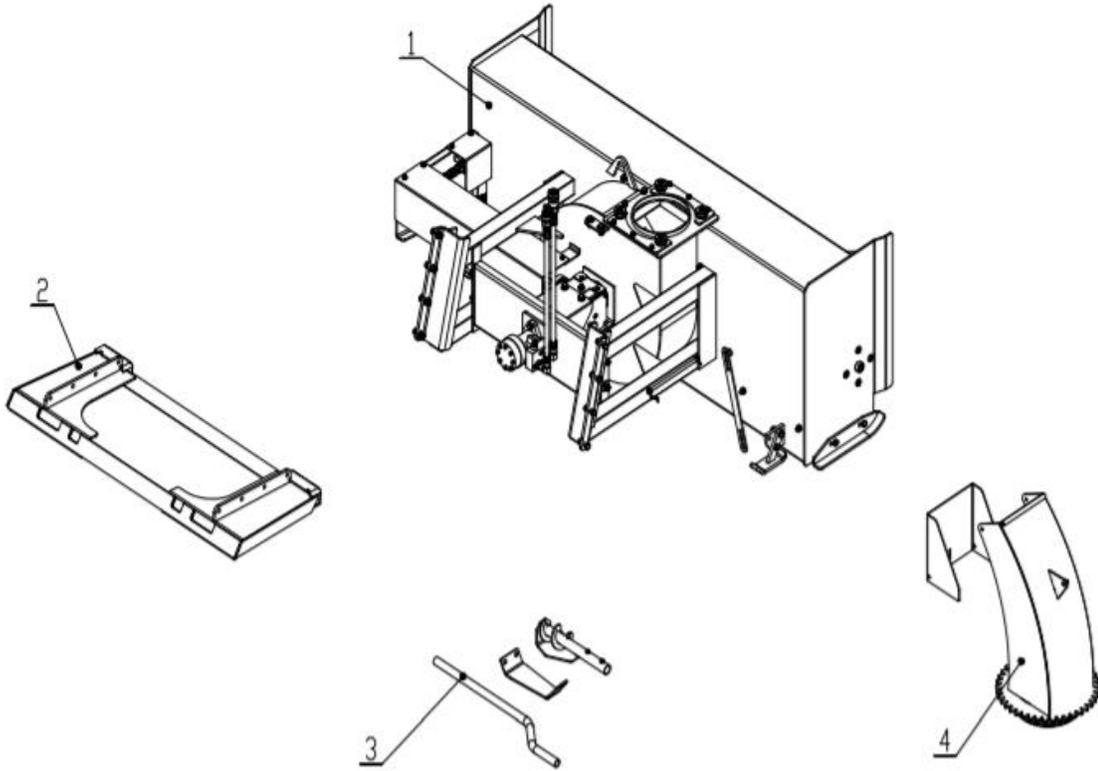


FIGURE 3: The Snowblower and Accessory in Package

The detailed packing list as the following Table 1.

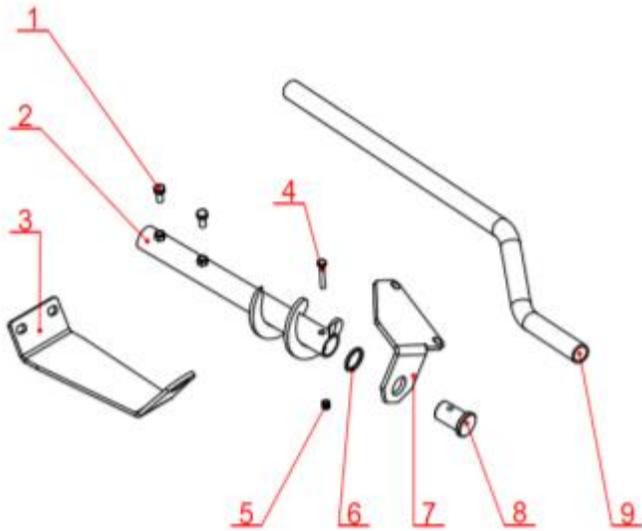
Item	Description	Qty.	Package Form
1	Main body of the Snowblower	1	None
2	Hitch frame	1	None
3	Handle& Rear bracket& Screw rod assembly	1	Bubble film
4	Discharge chute assembly& Snow spray mask assembly& fittings	1	Bubble film

TABLE 1: Packing List



NOTE: PAY ATTENTION TO THE MOTOR STEERING.

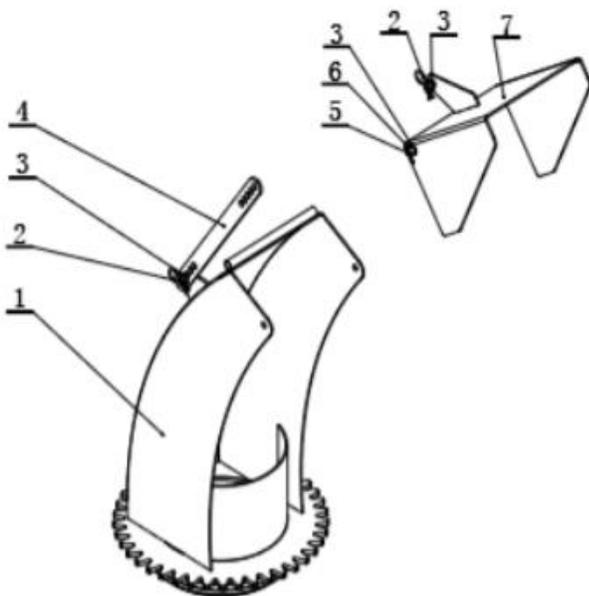
The detailed description of Handle & Rear Bracket and Screw Rod Assembly



Item	Description	Qty.
1	Bolt M8x20	2
2	Screw rod weldment	1
3	Rear bracket	1
4	Bolt M6x45	1
5	Locknut M6	1
6	Washer 28	1
7	Front bracket	1
8	Pin shaft	1
9	Handle	1

FIGURE 4: Handle & Rear Bracket and Screw Rod Assembly

The detailed description of Discharge Chute Assembly & Snow Spray Mask Assembly and Fittings



Item	Description	Qty.
1	Discharge chute weldment	1
2	R-pin	2
3	Plain washer 10	4
4	Adjusting plate	1
5	Hinge rod	1
6	Cotter pin 2.5x25	2
7	Snow spray mask weldment	1

FIGURE 5: Discharge Chute Assembly, Snow Spray Mask Assembly & fittings

INSTALLATION WIZARD

The installation wizard will guide you to finish the final assembly of your new Snow Blower.

TOOLS REQUIRED

- 1/2" Ratchet Wrench with 10mm, 14mm, 17mm and 19mm sleeves
- 8-10, 12-14, 17-19 Spanner

TORQUE APPLICATION

Torque Values Chart for Common Bolt Sizes		
Bolt Size (Metric)	Bolt Head Identification Class 8.8	
	N.m	Ft-lb
M6	9.8	7.2
M8	24.5	18.1
M10	44.1	32.5
M12	78.5	57.9

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

INSTALLATION

STEP 1: Installing Discharge Chute Assembly, Snow Spray Mask Assembly, and Fittings 1

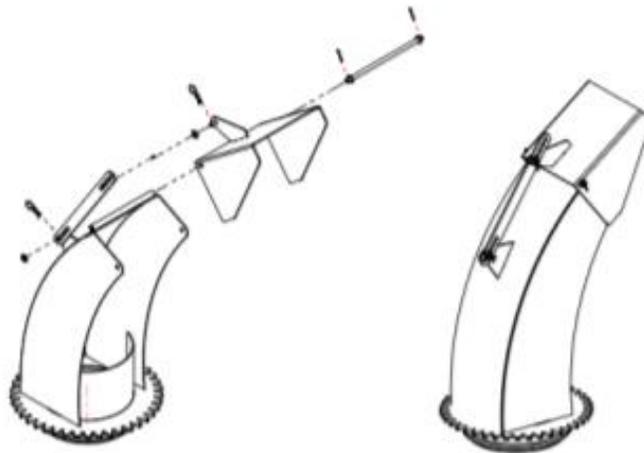


FIGURE 6: Discharge Chute Assembly, Snow Spray Mask Assembly, and Fittings 1

- Install the Discharge chute and Snow spray mask with hinge rod.
- Install 2pcs of plain washer 10 and cotter pins onto both side of the hinge rod.
- Install the adjusting plate as discharge angle required, then put the flat washer 10 onto the pin shaft. Finally secure with the R pin.
- Install above components onto the snow blower as Figure 7

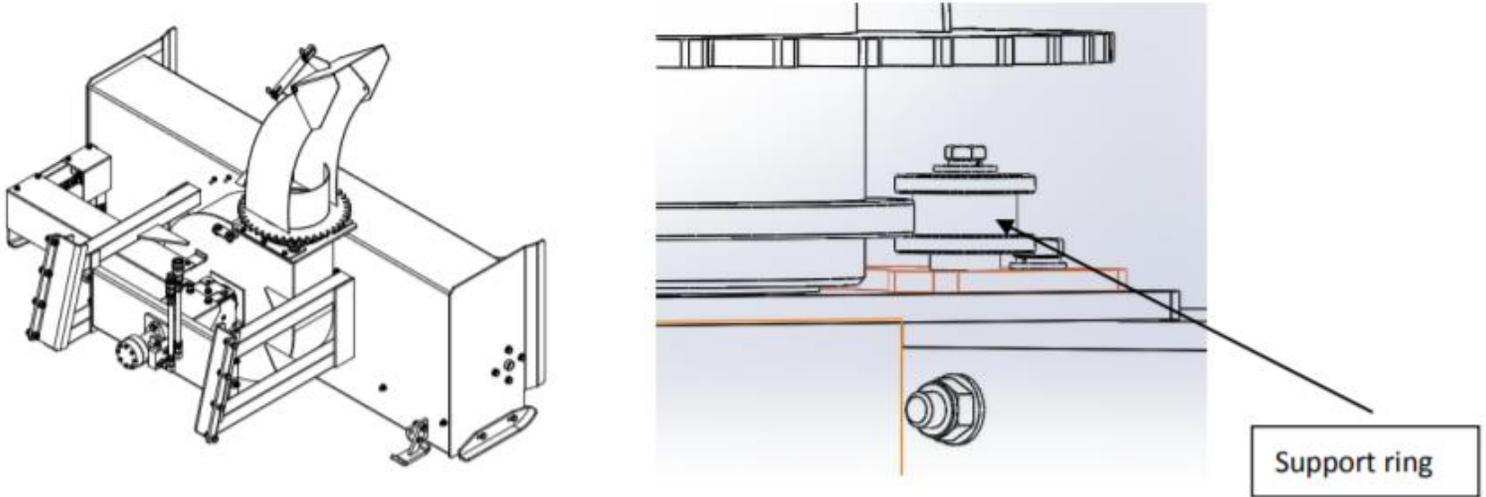


FIGURE 7: Discharge Chute Assembly, Snow Spray Mask Assembly, and Fittings 2

⚠ NOTE: The support ring must be located in the roller groove.

STEP 2: Installing Handle, Rear bracket & Screw rod assembly

- a. Locate the front bracket on the position shown in the Figure8, and then fix it with M10x25 bolt, plain washer 10 and spring washer 10.

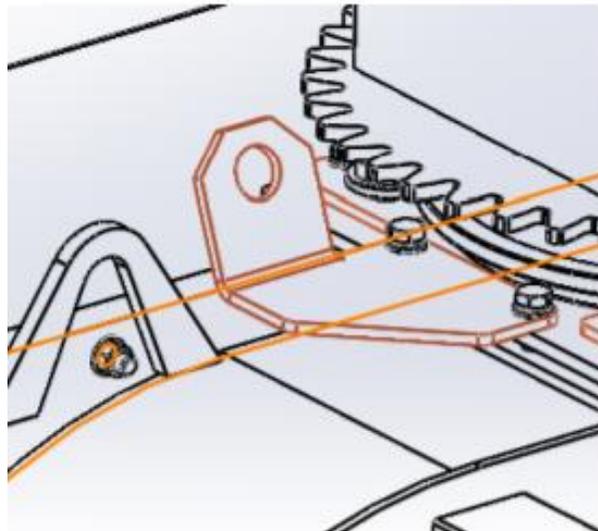


FIGURE 8: Front bracket installation location

- b. Locate the Rear bracket on the position shown in the Figure9, and then fix it with M10x20 bolt, large plain washer 10 and spring washer 10.

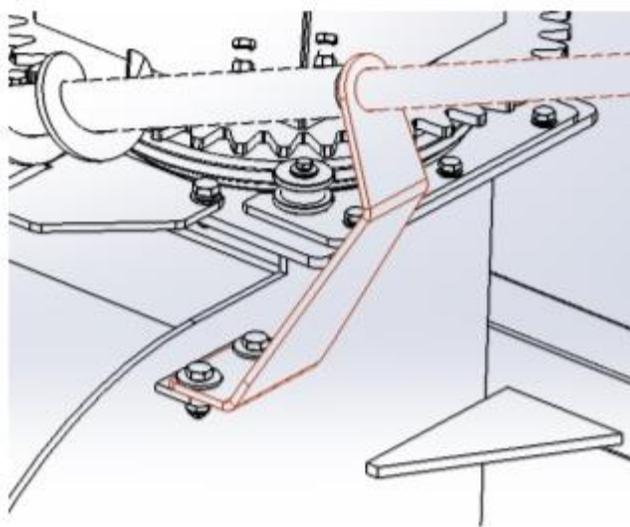


FIGURE 9: Rear bracket installation location

- c. Insert the pin shaft into the hole of the front bracket, put the washer 28 into the inner side, and then fix the Screw rod weldment with the pin shaft with the M6x45 bolt and locknut M6.

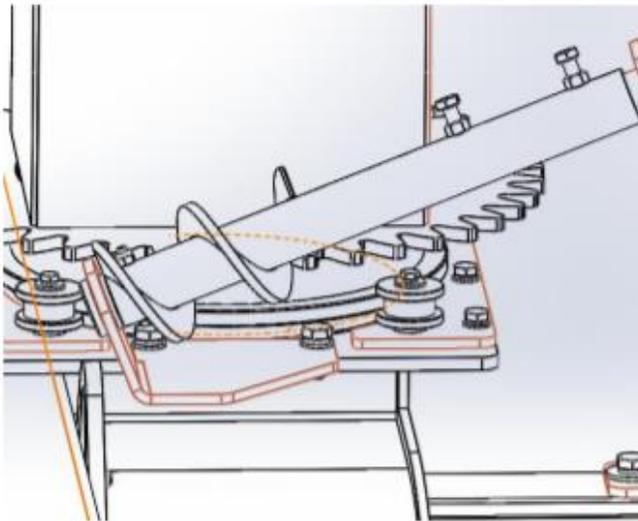


FIGURE 10: Screw rod weldment installation

- d. Insert the handle into the hole at the other end of the Screw rod weldment through the rear bracket hole, adjust the length of the handle, screw in the m8x20 bolt and tighten it.

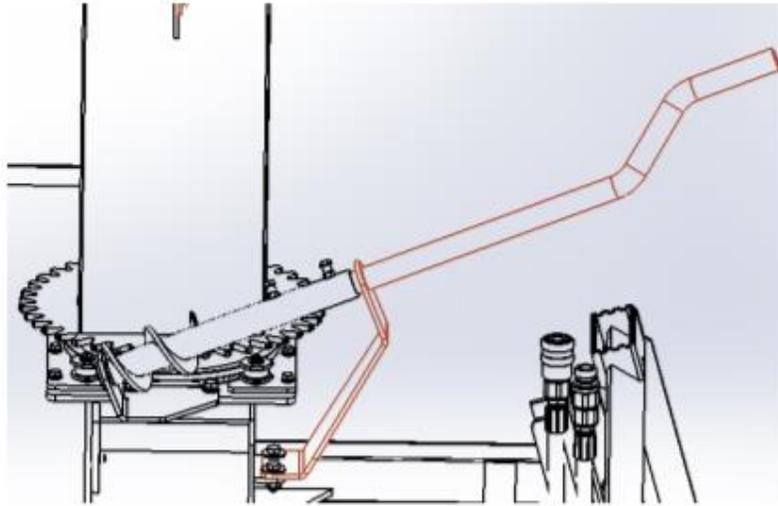


FIGURE 11: Handle installation



Note: Pay attention to the meshing of welding parts and gear disc.



WARNING: SAE EP 90W Gear oil must be filled before you finish the final assembly and start your first use. Overfilling or underfilling gear oil may cause gearbox seizing or damage.

GEAR OIL FILLING

Check oil level in gearbox by removing the cap located on the side of the gearbox. Oil should be level with middle side of plug hole. Add oil necessary by removing top cap and side plug. Add oil until it flows from middle side plug hole.

Item 1 – Cap for inlet gearbox oil

Item 2 – Gearbox

Item 3 – Plug for Gearbox oil level

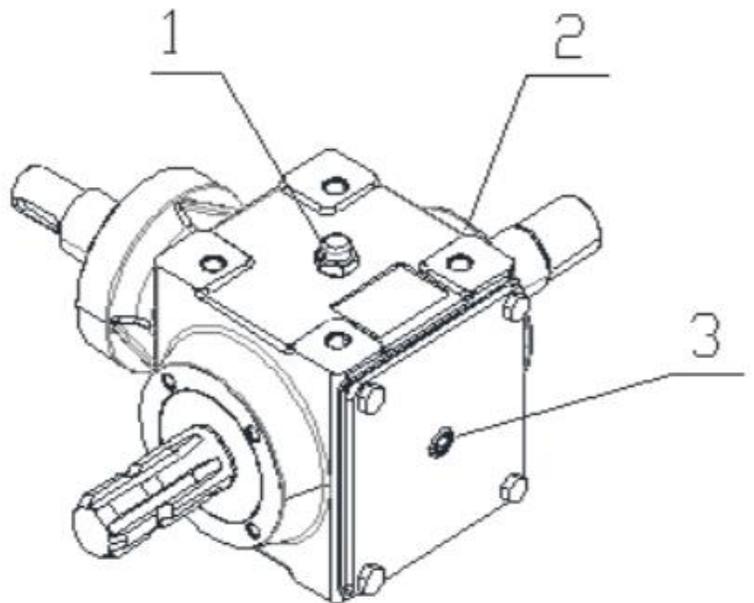


FIGURE 11: Gearbox construction

BOLT TORQUE

The tables shown below give correct torque values for various bolts and cap screws. Tighten all bolts to the torques specified unless otherwise noted. Check tightness of bolts periodically, using bolt torque chart as a guide. Replace hardware with the same strength bolt.

Torque figures indicated above are valid for non-greased or non-oiled threads and heads otherwise specified. Therefore, do not grease or oil bolts or cap screws unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

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

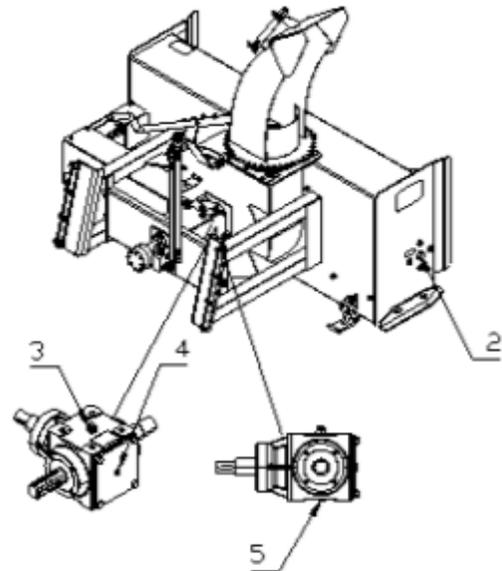
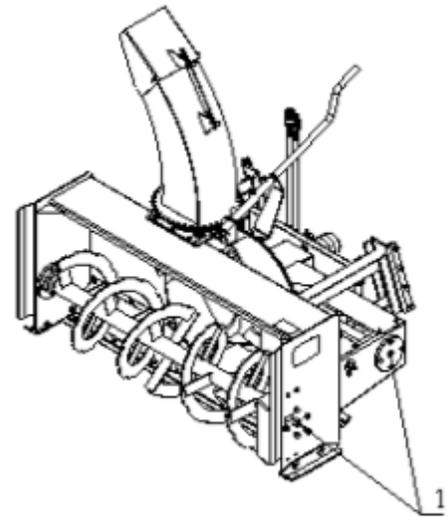
Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.

MAINTENANCE AND STORAGE

Regular Maintenance and Lubricate

- Check/Tighten fasteners after the first 2 hours of use and every 10 hours.
- Check and adjust drive chain tensioner every 20 hours.
- Oil drive chain every 10 hours.
- Check gearbox oil every 20 hours.
- Check safety shields before each use.
- Lubricate the bearings #1 & #2(see picture) every 50 hours,

1. Bearing lubricator
2. Bearing lubricator
3. Cap for inlet gearbox oil
4. Cap for gearbox oil level
5. Cap for discharge gearbox oil

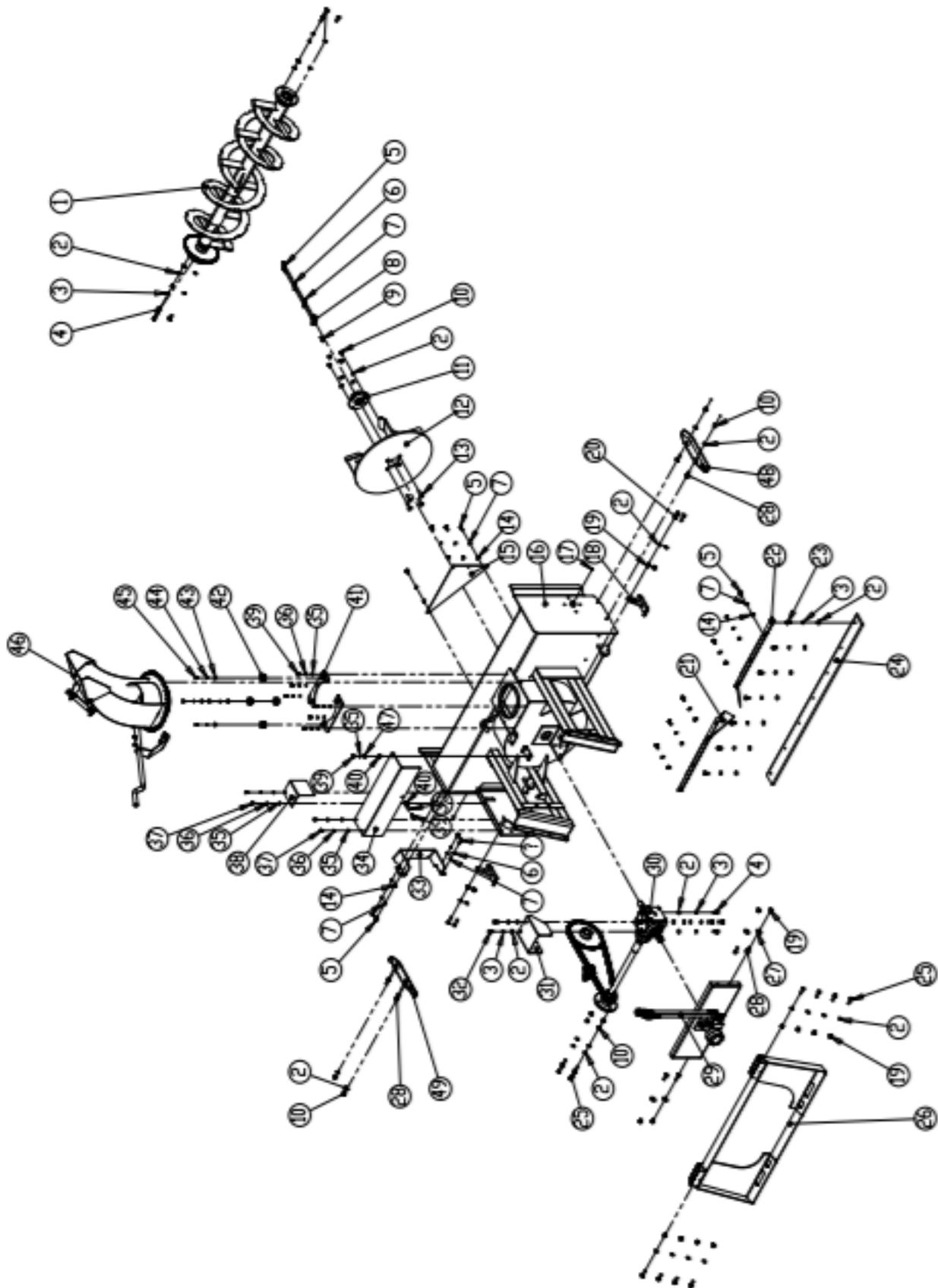


Storage

At the end of the working season or when the snow blower will not be used for a long period, it is a good practice to clean off any dirt or salt that may have accumulated on the snow blower and any of the moving parts. Apply a coat of oil to the chain to prevent rust.

- Detach and store the snow blower in an area where children normally do not play.
- Clean as necessary.
- Check cutting blade for wear and replace if necessary.
- Inspect snow blower for loose, damaged or worn parts and adjust or replace as needed.
Do not forget to check the safety labels.
Replace worn labels.
- Store unit inside if possible for longer life. Alternatively, cover with a tarp to reduce exposure and prevent weather damage.
- Repaint parts where paint is worn or scratched to prevent rust.
- Storing the snow blower in freezing conditions after use may cause the fan & auger to freeze in place. This may result in breaking PTO shaft shear bolts upon startup.

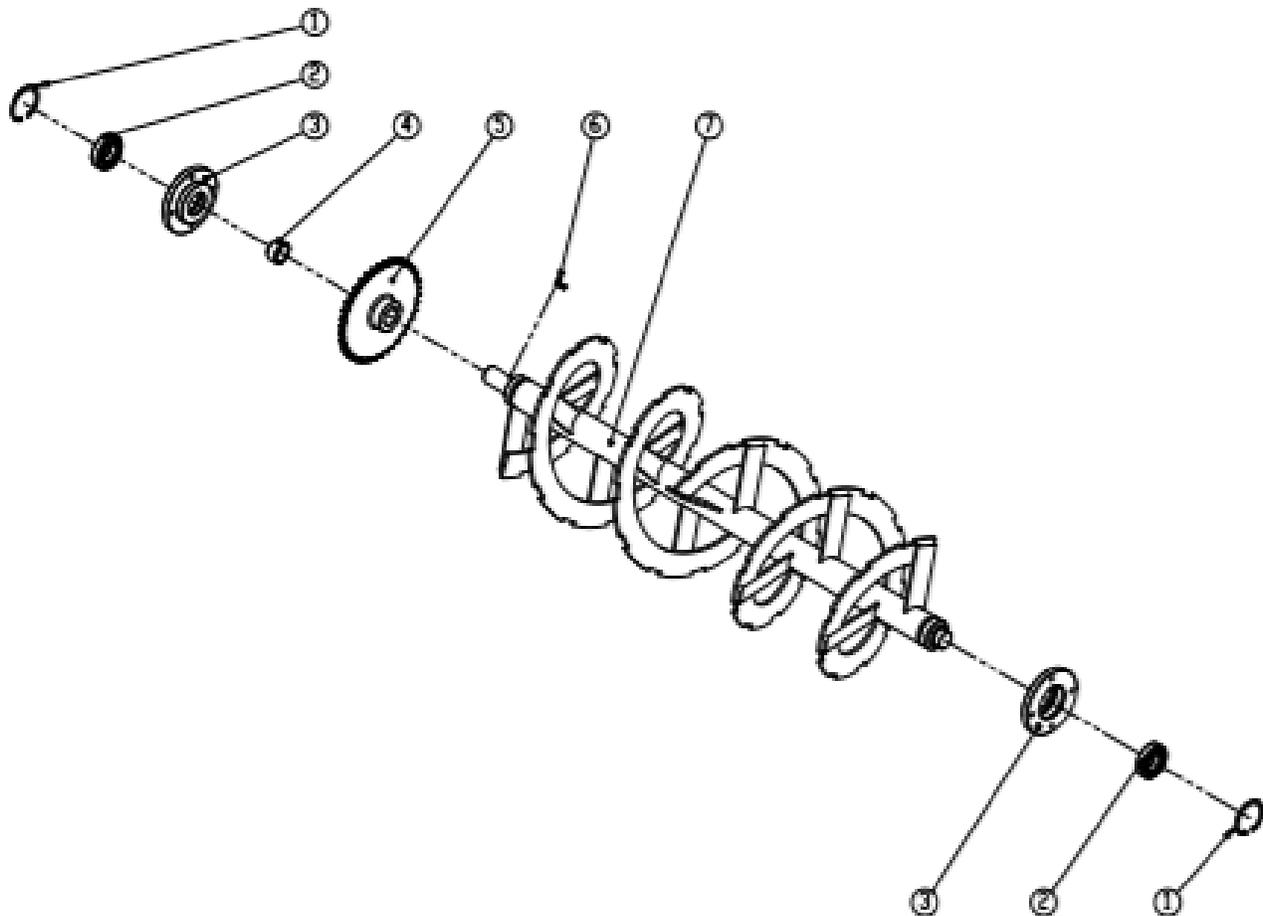
SSBP SERIES SKID STEER SNOW BLOWER PART LIST



Part No.	Ref. No.	Part Description	Qty	Remarks
A1	SSB150-1	Auger Assembly	1	
A2	7040100006	Plain Washer 12x2.5	46	
A3	7040400006	Spring Washer 12	21	
A4	7010100004	Bolt M12x30	12	
A5	7010100013	Bolt M10x25	17	
A6	7040400005	Spring Washer 10	5	
A7	7040100005	Plain Washer 10X2	17	
A8	4010000127	Plate	1	
A9	7080100001	Key 10x40	1	
A10	7030500006	Lock Nut M12	12	
A11	4030400006	Connecting Sleeve	1	
A12	4030400005	Fan	1	
A13	7020300007	Bolt M12x50	4	
A14	7030500017	Lock Nut M10	12	
A15	4010000129	Fan Cover	1	
A16	4030400001	Main Body Weldment	1	
A17	4300400001	Grease Nipple	2	
A18	4030400011	Stand	2	
A19	7030500006	Lock Nut M12	16	
A20	7010100032	Bolt M12x45	4	
A21	4010000132	Left Snow Plate	1	
A22	4010000134	Right Snow Plate	1	
A23	7010300011	Thin Bolt M12x1.5x25	7	
A24	4020000137	Bucket Blade	1	
A25	7010100008	Bolt M12x40	12	
A26	4030100168	Hitch Frame	1	
A27	7040300006	Big Plain Washer 12x3	4	
A28	7010100005	Bolt M12x35	8	
A29	SSB150-4	Hydraulic Unit	1	
A30	SSB150-3	Drive Unit	1	
A31	4010000131	Protection Cover	1	
A32	7010100030	Bolt M12x25	2	
A33	4010000136	Front Cover	1	
A34	4010000125	Transmission Shaft Cover	1	
A35	7040100004	Plain Washer 8x1.5	13	
A36	7040400004	Spring Washer 8	10	
A37	7010100017	Bolt M8x16	4	
A38	4010000128	Chain Cover	1	
A39	7010100006	Bolt M8x20	8	
A40	7030500016	Lock Nut M8	2	
A41	4030400007	Pressure Plate	2	
A42	4020000139	Pulley	4	
A43	7040800002	Big Plain Washer 6x2	4	
A44	7040400003	Spring Washer 6x1.5	4	

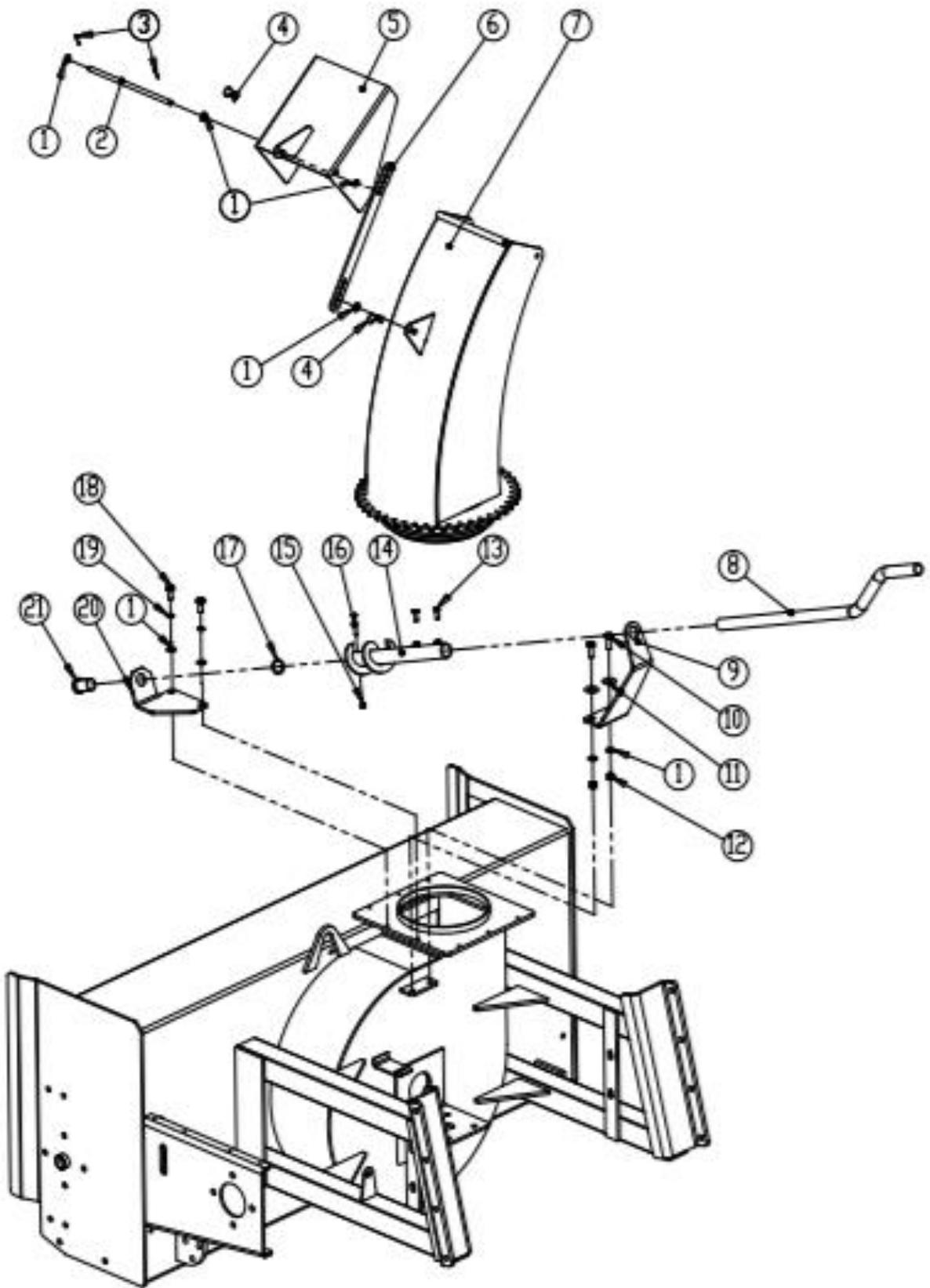
A45	7010100001	Bolt M6x16	4	
A46	SSB150-2	Discharge Chute Assembly	1	
A47	7040300004	Big Plain Washer 8x24x2	1	
A48	4030400021	Right Skid Plate	1	
A49	4030400020	Left Skid Plate	1	

Section B. Auger Assembly



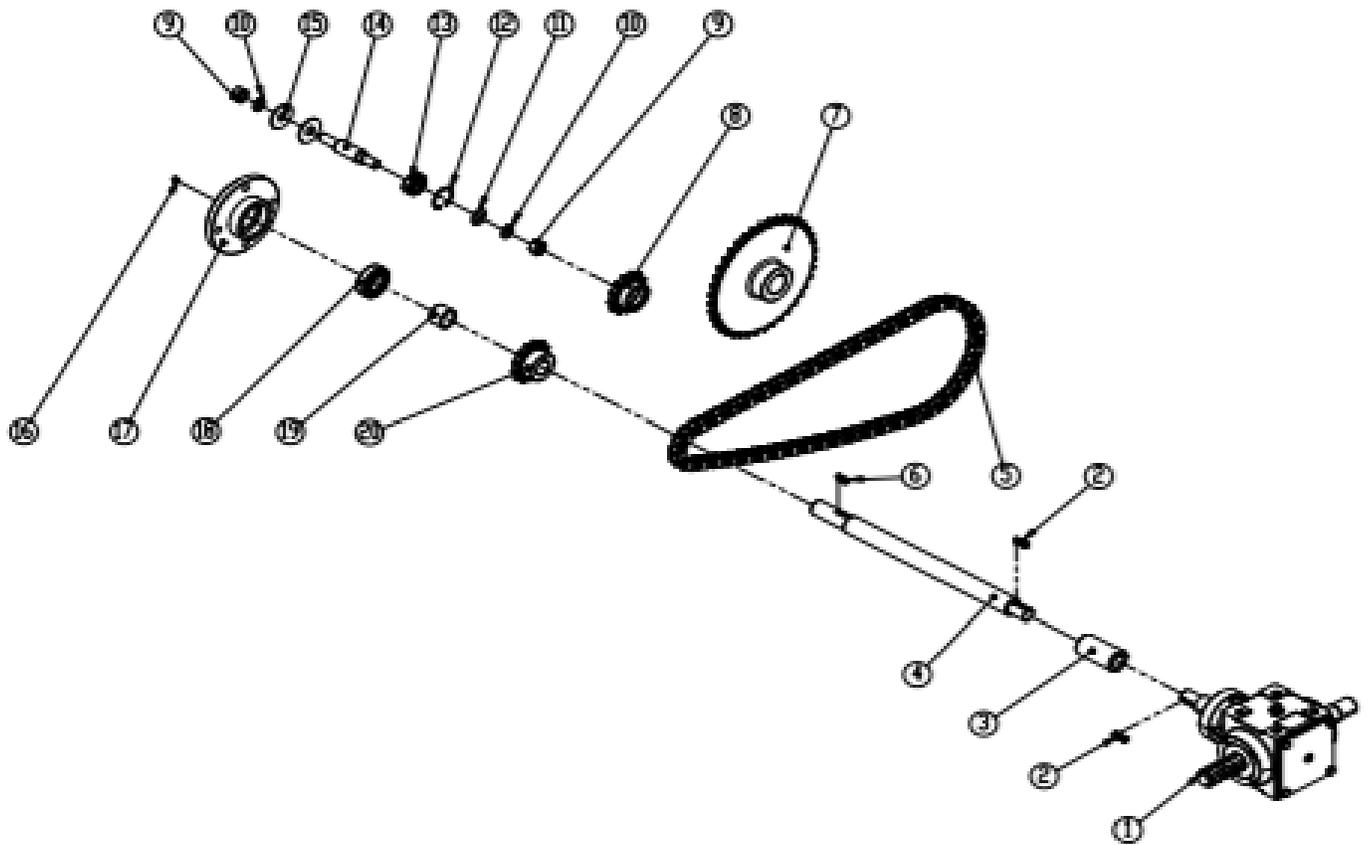
Part No.	Ref. No.	Part Description	Qty	Remarks
B1	7090200009	Circlip 80	2	
B2	7060100009	Bearing 6208-RZ	2	
B3	4020000129	Bearing Seat	2	
B4	4020000130	Bushing	1	
B5	4060000008	Chain Wheel	1	
B6	7080100010	Key 8x30	1	
B7	4030400003	Auger	1	

Section C. Discharge Chute Assembly



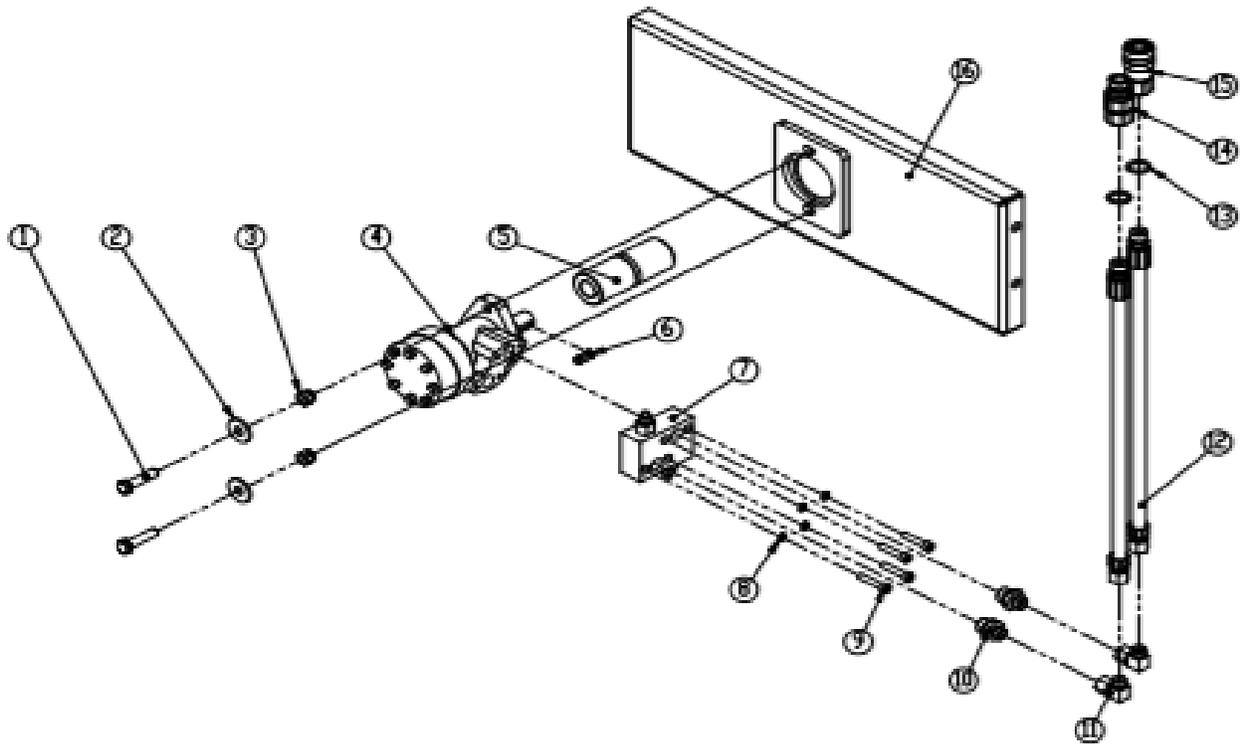
Part No.	Ref. No.	Part Description	Qty	Remarks
C1	7040100005	Plain Washer 10x2	8	
C2	4020000136	Hinge Rod	1	
C3	7100100006	Cotter Pin 2.5x3.5	2	
C4	4300100006	R Pin 3x50	2	
C5	4030400009	Snow Spray Mask Weldment	1	
C6	4010000130	Adjusting Plate	1	
C7	4030400008	Discharge Chute Weldment	1	
C8	4010000191	Handle	1	
C9	4010000192	Rear Bracket	1	
C10	7010100018	Bolt M10x30	2	
C11	7040300005	Big Plain Washer 10x30x2.5	2	
C12	7030500017	Lock Nut M10	2	
C13	7010100006	Bolt M8x20	2	
C14	4030400019	Screw Rod Weldment	1	
C15	7030500015	Lock Nut M6	1	
C16	7010100044	Bolt M6x45	1	
C17	4010000190	Plain Washer 28	1	
C18	7010100013	Bolt M10x25	2	
C19	7040400005	Spring Washer 10	2	
C20	4010000189	Front Bracket	1	
C21	4020000195	Pin Shaft	1	

Section D. Drive Unit



Part No.	Ref. No.	Part Description	Qty	Remarks
D1	4040100016	Gearbox	1	
D2	7080100010	Key 8x30	2	
D3	4020000133	Connection Sleeve	1	
D4	4020000127	Transmission Shaft	1	
D5	7120100001	Chain 12A-1x86	1	
D6	7080100002	Key 8x24	1	
D7	4060000008	Big Chain Wheel	1	
D8	4060000009	Tensioner	1	
D9	7030100008	Nut M16	2	
D10	7040400008	Spring Washer 16	2	
D11	7040100008	Plain Washer 16x3	1	
D12	7090200010	Circlip 42	1	
D13	7060100010	Bearing 6004-2RZ	1	
D14	4020000134	Tensioner Shaft	1	
D15	7040300008	Plain Washer 16x3	2	
D16	4300400001	Grease Nipple	1	
D17	4020000131	Bearing Seat	1	
D18	7060100007	Bearing 6206-RZ	1	
D19	4020000132	Sprocket Bushing	1	
D20	4060000007	Small Chain Wheel	1	

Section E. Hydraulic Unit



Part No.	Ref. No.	Part Description	Qty	Remarks
E1	7010100031	Bolt M12x50	2	0.06
E2	7040300006	Big Plain Washer 12x3	2	0.022
E3	7030600006	Lock Nut M12	2	0.016
E4	4090400001	Hydraulic Motor	1	8.01
E5	4030100166	Driving Sleeve	1	1.26
E6	7080100010	Key 8x30	1	0.01
E7	4090100007	Relief Valve	1	0.21
E8	7040400004	Spring Washer 8	4	0.001
E9	7020100004	Bolt M8x40	4	0.02
E10	4080200007	Connector G1/2-M18X1.5	2	0.08
E11	4080200008	Connector M18X1.5-M18X1.5	2	0.1
E12	4080100033	Hose(Inlet/Outlet to Valve)	2	
E13	7040600005	Combined Washer 22 (G1/2")	2	0.001
E14	4080100016	Quick Coupler M G1/2	1	0.37
E15	4080100015	Quick Coupler F G1/2	1	0.51
E16	4030400010	Connection Plate	1	7.25

CAUTION: The snow blowers might be slightly different between different production time.

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