October 1, 2014 Lit. No. B64091, Rev. 11





Model 810SS & 8611SS POWER PLOW[™] Snowplows

Installation Instructions & Owner's Manual

See your BLIZZARD[®] sales outlet/Web site for specific vehicle application recommendations before installation. The Undercarriage Selection Guide has specific vehicle and snowplow requirements.

Read this document before installing the snowplow.

Read this document before operating or servicing the snowplow.

This manual supersedes all editions with an earlier date.

Congratulations on purchasing the most advanced skid steer snowplow available! The POWER PLOW[™] snowplow is clearing new trails for innovative design, rugged durability, quality craftsmanship and superior performance. Our innovative products are tested all over the snowbelt.

This manual provides safety, operation and maintenance information for your new BLIZZARD[®] snowplow. To keep your snowplow in good condition, read and understand this manual and follow its recommendations. Failure to do so may affect your warranty coverage.

When service is necessary, your local BLIZZARD distributor knows your snowplow best. Contact your BLIZZARD outlet for maintenance, service or any other assistance you require.

If you have not already done so, please visit *www.blizzardplows.com* to register your new POWER PLOW snowplow!



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SAFETY DEFINITIONS

A WARNING

Indicates a potentially hazardous situation, that if not avoided, could result in death or serious personal injury.

ACAUTION

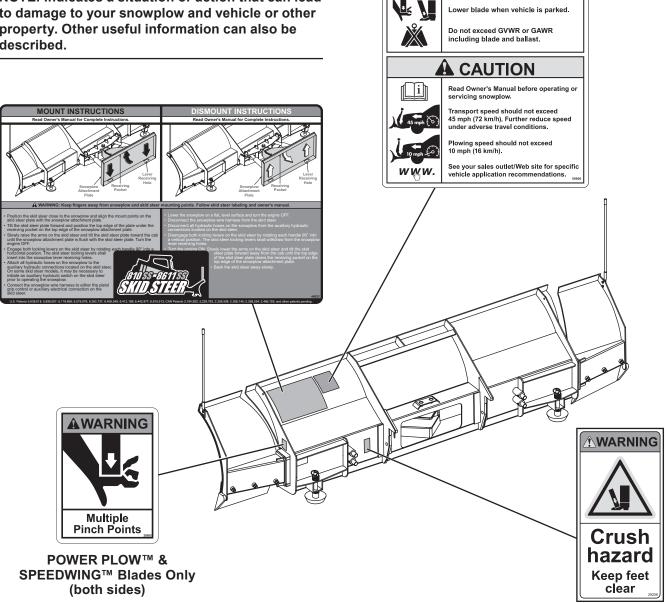
Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTE: Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

WARNING/CAUTION & INSTRUCTION LABELS

Become familiar with and inform users about the warning and instruction labels on the back of the blade.

NOTE: If labels are missing or cannot be read, see your sales outlet.



SAFETY PRECAUTIONS

Improper installation and operation could cause personal injury, and/or equipment and property damage. Read and understand labels and the Owner's Manual before installing, operating or making adjustments.

A WARNING

Lower blade when vehicle is parked. Temperature changes could change hydraulic pressure, causing the blade to drop unexpectedly or damaging hydraulic components. Failure to do this could result in serious personal injury.

A WARNING

The driver shall keep bystanders clear of the blade when it is being raised, lowered or angled. Do not stand between the vehicle and the blade or within 8 feet of a moving blade. A moving or falling blade could cause personal injury.

A WARNING



Do not exceed vehicle operative capacity including the blade. See vehicle rating label.

A WARNING

Never stand, work or reach under lift arms or lift cylinders without employing a lift arm stop or stand.

A WARNING

To prevent accidental movement of the blade, always turn the control OFF whenever the snowplow is not in use. The power indicator light will turn OFF.

A CAUTION

Read Owner's Manual before operating or servicing snowplow.

Transport speed should not exceed vehicle manufacturer's recommendations. Further reduce speed under adverse travel conditions.

Plowing speed should not exceed 10 mph (16 km/h).

HYDRAULIC SAFETY

A WARNING



Hydraulic fluid under pressure can cause skin injection injury. If you are injured by hydraulic fluid, get medical attention immediately.

- Always inspect hydraulic components and hoses before using. Replace any damaged or worn parts immediately.
- If you suspect a hose leak, DO NOT use your hand to locate it. Use a piece of cardboard or wood.

FUSES

The snowplow electrical and hydraulic systems contain several blade-style automotive fuses. If a problem should occur and fuse replacement is necessary, the replacement fuse must be of the same type and amperage rating as the original. Installing a fuse with a higher rating can damage the system and could start a fire. Fuse Replacement, including fuse ratings and locations, is located in the Maintenance Section of this Owner's Manual.

PERSONAL SAFETY

- Remove ignition key and put the vehicle in park or in gear to prevent others from starting the vehicle during installation or service.
- Wear only snug-fitting clothing while working on your vehicle or snowplow.
- Do not wear jewelry or a necktie, and secure long hair.
- Wear safety goggles to protect your eyes from battery acid, gasoline, dirt and dust.
- Avoid touching hot surfaces such as the engine, radiator, hoses and exhaust pipes.
- Always have a fire extinguisher rated BC handy, for flammable liquids and electrical fires.

FIRE AND EXPLOSION

Gasoline is highly flammable and gasoline vapor is explosive. Never smoke while working on vehicle. Keep all open flames away from gasoline tank and lines. Wipe up any spilled gasoline immediately.

Be careful when using gasoline. Do not use gasoline to clean parts. Store only in approved containers away from sources of heat or flame.

CELL PHONES

A driver's first responsibility is the safe operation of the vehicle. The most important thing you can do to prevent a crash is to avoid distractions and pay attention to the road. Wait until it is safe to operate Mobile Communication equipment such as cell phones, text messaging devices, pagers or two-way radios.

VENTILATION

A WARNING

Vehicle exhaust contains lethal fumes. Breathing these fumes, even in low concentrations, can cause death. Never operate a vehicle in an enclosed area without venting exhaust to the outside.

BATTERY SAFETY

A CAUTION

Batteries normally produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or lit tobacco to come near the battery. When charging or working near a battery, always cover your face and protect your eyes, and also provide ventilation.

- Batteries contain sulfuric acid, which burns skin, eyes and clothing.
- Disconnect the battery before removing or replacing any electrical components.

NOISE

Airborne noise emission during use is below 70 dB(A) for the snowplow operator.

VIBRATION

Operating snowplow vibration does not exceed 2.5 m/s^2 to the hand-arm or 0.5 m/s^2 to the whole body.

See your BLIZZARD[®] outlet for specific vehicle application recommendations before installation. The Undercarriage Selection Guide has specific vehicle and snowplow requirements.

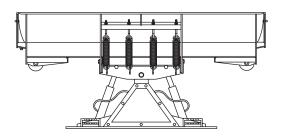
Vehicle application recommendations are based on the following:

- The vehicle with the snowplow installed must comply with applicable Federal Motor Vehicle Safety Standards (FMVSS).
- The vehicle with the snowplow installed must comply with the vehicle manufacturer's stated gross vehicle and axle weight ratings (found on the driver-side door cornerpost of the vehicle) and the front and rear weight distribution ratio. In some cases, rear ballast may be required to comply with these requirements.

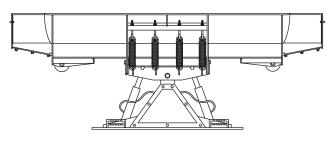
- BLIZZARD Undercarriage Selection Guide is based on available vehicle capacity for snowplow equipment on a representative vehicle equipped with options commonly used for snowplowing and with 300 lb of front seat occupant weight.
- Weights of front seat occupants can be adjusted above 300 lb but vehicle with snowplow must not exceed vehicle GVWR or GAWR.
- In some cases there may be additional limitations and requirements.
- Installation, modification and addition of accessories must comply with published BLIZZARD recommendations and instructions. Available capacity decreases as the vehicle is loaded with cargo or other truck equipment or snowplow accessories are installed.
- If there is uncertainty as to whether available capacity exists, the actual vehicle as configured must be weighed.

Your POWER PLOW[™] snowplow is the most advanced and versatile snowplow on the market. The easy-to-use controls allow you to automatically adjust the snowplow blade and wings into an infinite number of plowing positions. Review the illustrations below to determine the best position for your plowing needs.

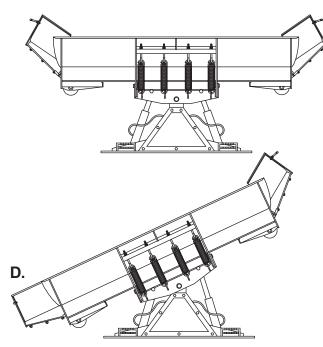
Α.



Β.



С.



Never use the snowplow attachment to carry people, as a man lift or as a work platform.

A WARNING

When plowing with down pressure, do not cause the front wheels on the skid steer/ tractor to raise above ground.

A. Compact Position

(8' or 8'-6" Blade Width)

- Primary position when transporting the snowplow
- For use in heavy snow conditions with poor visibility, initial clearing and tight quarters
- Ideal application: residential driveways, small roads

B. WIDE PASS[™] Position

(10' or 11'-3" Blade Width)

- Primary position for clearing large surfaces
- For use in light snow conditions with good visibility, final clearing and clean-up
- Ideal application: large parking lots, widening roadways

C. BUCKET BLADE[™] Position

(9'-3" or 9'-10" Blade Width)

- · Primary position for transporting snow
- For use in initial clearing with decent visibility, transporting large volumes of snow, final clean-up
- Ideal application: roadway intersections

D. WIDE PASS Position Angled with Wing Forward

- Primary position for accelerated angled plowing
- For use in directional plowing, cornering, diverting snow away from objects or buildings
- Ideal application: plowing adjacent to buildings, driveway/road intersections

Your POWER PLOW[™] snowplow has been packaged to withstand transit and weather related damage. Fully inspect all components upon receipt of your snowplow. In the event of shipping damage or missing parts, immediately contact our Customer Support Department at 1-888-680-8600.

Begin unpacking and inspection in the following order:

- 1. Remove the shipping document from the end panel of the pallet wrap. Retain all documentation for your records.
- 2. All wood framing and polyethylene material should be removed from the pallet for easy access to the snowplow.
- 3. Due to the odd shaped components and size of several assembly parts, various cable ties and corrugated material are used for scratch resistance and package orientation. Please remove these items prior to assembly.
- 4. Place the main blade assembly on a flat, level surface.

Once you have inspected all parts and removed all packaging materials, your snowplow is ready to be fully assembled.

Retain this information for your records.

Date of Purchase:

Dealer/Distributor:_____

Dealer Phone Number:_____

Snowplow Serial Number:_____

Register your snowplow online at *www.blizzardplows.com*.

TORQUE CHART

ACAUTION

Read instructions before assembling. Fasteners should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching snowplow including proper personal protective safety equipment.



Grade Identification for J429–Grade 5 Bolt



Grade Identification for J429–Grade 8 Bolt

| S | AE J429 Grade | 5 Torque Value | s | S | AE J429 Grade | 8 Torque Value | s |
|-------------|---------------|----------------|-----------|-------------|---------------|----------------|-----------|
| Nominal | Clamp Loads | Tightenin | g Torque | Nominal | Clamp Loads | Tightenin | g Torque |
| Thread Size | (lb) | "Lubricated" | "Dry" | Thread Size | (lb) | "Lubricated" | "Dry" |
| 1/4-20 | 2,000 | 6 ft-lb | 8 ft-lb | 1/4-20 | 2,850 | 9 ft-lb | 12 ft-lb |
| 5/16-18 | 3,350 | 13 ft-lb | 18 ft-lb | 5/16-18 | 4,700 | 18 ft-lb | 25 ft-lb |
| 3/8-16 | 4,950 | 23 ft-lb | 31 ft-lb | 3/8-16 | 6,950 | 32 ft-lb | 44 ft-lb |
| 7/16-14 | 6,800 | 37 ft-lb | 50 ft-lb | 7/16-14 | 9,600 | 53 ft-lb | 70 ft-lb |
| 1/2-13 | 9,050 | 57 ft-lb | 75 ft-lb | 1/2-13 | 12,800 | 80 ft-lb | 107 ft-lb |
| 9/16-12 | 11,600 | 82 ft-lb | 109 ft-lb | 9/16-12 | 16,400 | 115 ft-lb | 154 ft-lb |
| 5/8-11 | 14,500 | 113 ft-lb | 151 ft-lb | 5/8-11 | 20,300 | 159 ft-lb | 211 ft-lb |
| 3/4-10 | 21,300 | 200 ft-lb | 266 ft-lb | 3/4-10 | 30,100 | 282 ft-lb | 376 ft-lb |
| 7/8-9 | 29,435 | 321 ft-lb | 430 ft-lb | 7/8-9 | 41,550 | 454 ft-lb | 606 ft-lb |
| 1-8 | 38,600 | 482 ft-lb | 640 ft-lb | 1-8 | 54,540 | 680 ft-lb | 900 ft-lb |

| (8 | 3.8) | Grade | Identification | for | Metric- | Grade | 8.8 | Bolt |
|-----|------|-------|----------------|-----|---------|-------|-----|------|
|-----|------|-------|----------------|-----|---------|-------|-----|------|

(10.9) Grade Identification for Metric–Grade 10.9 Bolt

| | Metric Class 8.8 | 8 Torque Values | S | N | Metric Class 10. | 9 Torque Value | S |
|----------|------------------|-----------------|-----------|----------|------------------|----------------|-----------|
| Diameter | Clamp Loads | Tightenin | g Torque | Diameter | Clamp Loads | Tightenin | g Torque |
| (mm) | (lb) | "Lubricated" | "Dry" | (mm) | (lb) | "Lubricated" | "Dry" |
| 5 | 1,389 | 3 ft-lb | 5 ft-lb | 5 | 1,987 | 5 ft-lb | 7 ft-lb |
| 6 | 1,965 | 6 ft-lb | 8 ft-lb | 6 | 2,812 | 8 ft-lb | 11 ft-lb |
| 7 | 2,826 | 10 ft-lb | 13 ft-lb | 7 | 4,044 | 14 ft-lb | 19 ft-lb |
| 8 | 3,579 | 14 ft-lb | 19 ft-lb | 8 | 5,121 | 20 ft-lb | 27 ft-lb |
| 10 | 5,672 | 28 ft-lb | 37 ft-lb | 10 | 8,116 | 40 ft-lb | 53 ft-lb |
| 12 | 8,243 | 49 ft-lb | 65 ft-lb | 12 | 11,796 | 70 ft-lb | 92 ft-lb |
| 14 | 11,246 | 77 ft-lb | 103 ft-lb | 14 | 16,092 | 111 ft-lb | 148 ft-lb |
| 16 | 15,882 | 125 ft-lb | 167 ft-lb | 16 | 21,970 | 173 ft-lb | 231 ft-lb |
| 18 | 19,423 | 172 ft-lb | 229 ft-lb | 18 | 26,868 | 238 ft-lb | 317 ft-lb |
| 20 | 24,784 | 244 ft-lb | 325 ft-lb | 20 | 34,284 | 338 ft-lb | 450 ft-lb |

| | | | 37° JIC Flare Torque Values |
|-------|------|------------------|--|
| Turns | Size | ft-lb min–max | Assembly Steps |
| N/A | -02 | 6–7 | 1. Make sure the tubing and threads are clean. |
| N/A | -03 | 8–9 | 2. Lubricate the threads with 10W hydraulic fluid. |
| 2 | -04 | 11–12 | 3. Hand tighten the nut/sleeve to approximately 30 in-lb. |
| 2 | -05 | 14–15 | 4. Make alignment marks on the nut and fitting. |
| 1-1/2 | -06 | 18–20 | 5. Tighten to turn or torque specification. |
| 1-1/2 | -08 | 36–39 | 6. When fully tightened, make a second set of alignment marks at the fully tightened position. |
| 1-1/2 | -10 | 57–63 | |
| 1-1/4 | -12 | 79–88 | NOTE: Torque values specified are for threads lubricated with 10W hydraulic fluid. |
| 1 | -14 | 94–103 | Overtightening will reduce the clamping force resulting in loss of seal and reduction of flow. |
| 1 | -16 | 108–113 | |
| 1 | -20 | 127–133 | |
| 1 | -24 | 158–167 | |
| 1 | -32 | 245–258 | |

| | | O–Ring Boss Torque Values |
|------|------------------|--|
| Size | ft-lb min–max | Assembly Steps |
| -02 | 6–7 | 1. Verify the port, O-ring, sealing surfaces and threads are clean and free of damage. |
| -03 | 8–10 | 2. Lubricate the threads and the O-ring with 10W hydraulic fluid. |
| -04 | 13–15 | 3. For an adjustable ORB, completely back off the locknut and washer. |
| -05 | 17–21 | 4. Hand tighten the fitting until it contacts the port spotface. Point the elbow or tee in the desired |
| -06 | 22–25 | direction and hold. |
| -08 | 40-43 | 5. Torque to specification. |
| _10 | 43–57 | |
| -12 | 68–75 | NOTE: Torque values specified are for threads lubricated with 10W hydraulic fluid. |
| -14 | 90–99 | ······································ |
| -16 | 112–123 | |
| -20 | 146–200 | |
| -24 | 154–215 | |
| -32 | 218–290 | |

 Remove dust cap from both of the slide box cylinders located at the center/rear of the moldboard. Attach adapters (B60007 for 810SS; 56695 for 8611SS) to both ports on each slide box cylinder. Tighten fittings per torque chart.

NOTE: All of the hydraulic adapters can be found packaged with the manifold assembly.

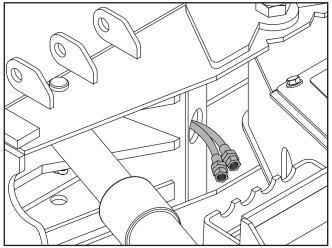


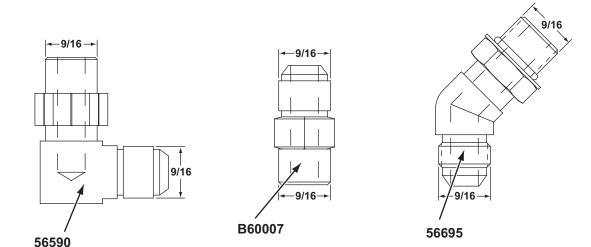
NOTE: The positions for the rod- and baseend slide box hoses. The hoses that operate the retract functions (rod) of the cylinders are closest to the base of each cylinder. The hoses that operate the extend functions (base) of the cylinders are closest to the rod of each cylinder.

2. Connect hoses (**49501**) to each of the hydraulic adapters on the cylinders. Tighten hoses per torque chart.

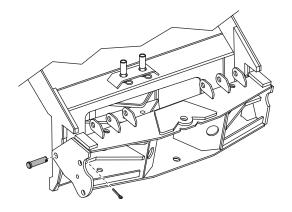
NOTE: Review the label on each hose for the appropriate part number.

 Position the pivot beam and A-frame near the mount locations at the rear of the blade. Place the right and left group of hydraulic hoses (connected to the slide box cylinders) through the 1-1/2" diameter rubber grommet openings in the front face of the pivot beam.

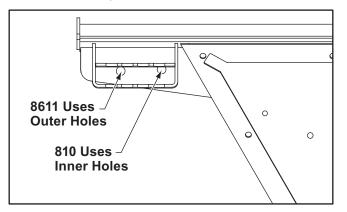




 Position the pivot beam between the two support ribs until the connecting points on the beam align with those on the snowplow. Insert one 3/4" x 3" clevis pin (B50069) or 1" x 3-1/4" clevis pin (B61717) through each mounting hole and secure it with a 1/4" x 1-1/2" cotter pin (90601).



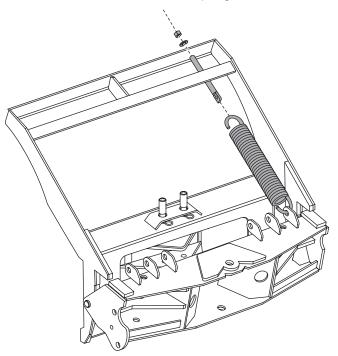
5. Position each angle cylinder with the rod end of the cylinder in the pivot beam and the hydraulic hose port facing away from the A-frame. Secure the cylinder to the pivot beam with a 3/4" x 5" clevis pin (95739) and a 1/4" x 1-1/2" cotter pin (90601). Extend each cylinder rod until the cylinder base mounting hole aligns with the hole on the A-frame angle cylinder bracket. Insert another clevis pin and secure it with a cotter pin.



NOTE: The 810SS and 8611SS models use the same A-frame but use different mounting points for the angle cylinders due to different stroke lengths on the cylinders. Be sure to use the proper mounting point when replacing or installing cylinders.

NOTE: The cylinder ports should be facing away from the A-frame.

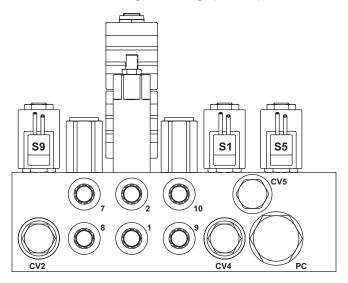
6. Hook each extension spring to the receiving holes on the pivot beam and attach the opposite end of the spring to its respective spade bolts. Install the spade bolts through the extension spring mounting angle on the top rear of the blade. Secure each spade bolt by placing one 5/8" flat washer on the bolt and thread one 5/8" locknut. Tighten each locknut until a piece of paper can pass between the 3rd and 4th coils on the spring.



7. Install the blade guides at each end of the moldboard. Insert the cap screw through the holes at the top of the wing reinforcement rib. Tighten all screws with locknuts.



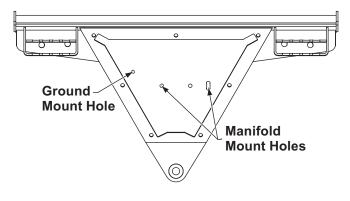
 Assemble the manifold. Each of the hose ports on the manifold is covered with stretch wrap. Remove the wrap and install adapter (56695) in ports #1, 2, 7, 8, 9 and 10. Tighten fittings per torque chart.



NOTE: DO NOT let any foreign objects enter into the open ports. The valves can become contaminated and greatly hinder the snowplow's performance. Torque to proper specifications.

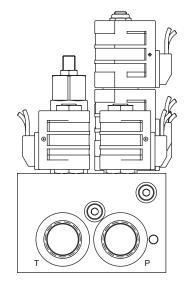
NOTE: All ports are identified by a stamped number on the manifold. The numbers also identify the hydraulic functions, which can be referenced on the label under the manifold cover.

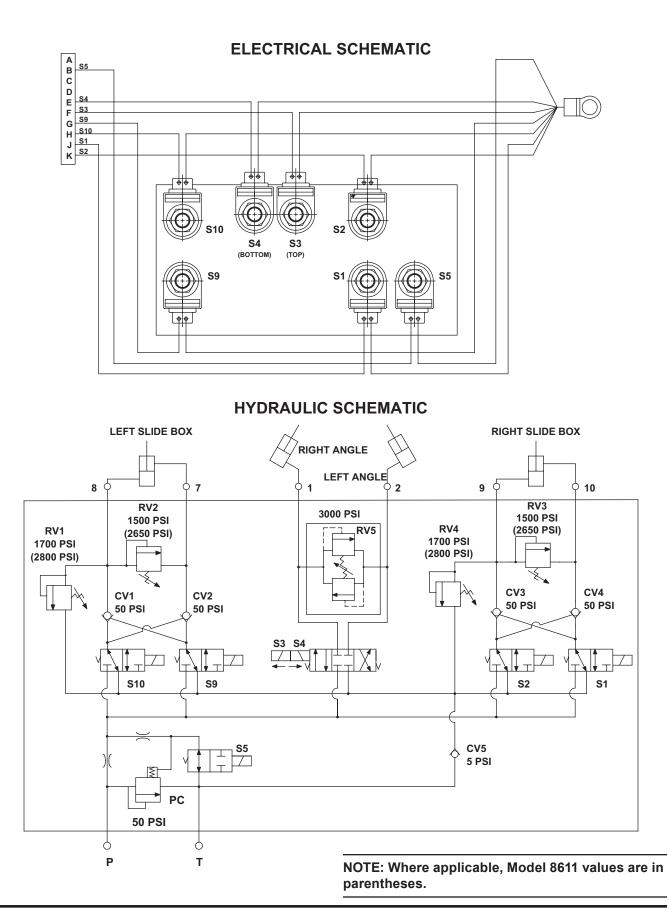
- 9. Remove the A-frame cover to gain access to the inside of the manifold compartment.
- Attach the manifold to the A-frame using cap screws (B61514), washers (29233) and locknuts (B61034).



NOTE: When handling the manifold, hold the manifold at the sides of the block. Never handle the manifold by coils. Doing so can cause a solenoid cartridge to bend, causing the cartridge to stick when activated.

- 11. Route the hydraulic hose groupings from the pivot beam to the access holes located on the sides of the A-frame. Connect the hoses to their respective adapters on the manifold.
- 12. Remove the dust cap from both of the hydraulic angle cylinder ports and attach one 9/16" 90° adjustable elbow ORB adapter to each port. Each adapter should be angled toward the top of the moldboard. Connect one 3/8" x 26" (36" for 8611) hydraulic hose (**B60223** or **49501**) to each angle cylinder adapter. Be careful not to overtighten the hose connections. Tighten fittings and hoses per torque chart.
- 13. Connect the hoses to their respective adapters on the manifold. Tighten hoses per torque chart.
- Install adapters (B60089) to ports "T" and "P" on the manifold. Connect a hydraulic hose (B60086) to each adapter. Tighten fittings and hoses per torque chart.





Lit. No. B64091, Rev. 11

October 1, 2014

Hydraulic Valve & Hose Port Guide Models 810ss & 8611ss

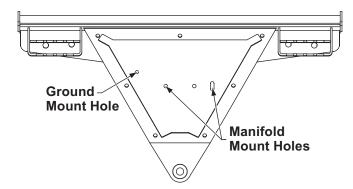
00 • • <u>s</u>2 00 <u>S3</u> S4 RV1 RV4 \bigcirc \bigcirc (0) RV5 0 **0** S1 00 00 **S**5 **S**1 CV5

NOTE: Check valves CV1 & CV3 are not illustrated. Both valves are located on the opposite side of the manifold in the diagram shown above.

Recommended for machines equipped with auxiliary hydraulics having a flow rated at 4–30 gallons per minute (gpm) and a maximum pressure rating of 3,000psi.

| C HOSES unction Driver-Side Cylinder ssenger-Side Cylinder Slide Box Retract Slide Box Extend de Slide Box Extend de Slide Box Retract ECK VALVES unction /ing Pressure Relief Ving Anti-Cavitation e Wing Anti-Cavitation e Wing Pressure Relief | | | | | |
|--|--|--|--|--|--|
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| Box Retract Check Valve | | | | | |
| Box Extend Check Valve | | | | | |
| e Box Retract Check Valve | | | | | |
| le Box Extend Check Valve | | | | | |
| sure Check Valve | | | | | |
| NOTE: Energize the following solenoids for the functions: | | | | | |
| de Slide Box Retract | | | | | |
| de Slide Box Extend | | | | | |
| ssenger-Side Cylinder | | | | | |
| Driver-Side Cylinder | | | | | |
| Slide Box Retract | | | | | |
| Slide Box Extend | | | | | |
| ZARD [®] | | | | | |
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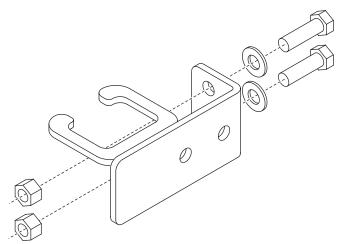
- Connect the manifold coil harness to the snowplow harness. Feed the opposite end of the snowplow harness through the top access hole in the A-frame (same as 3/4" tank hydraulic hose) located on the driver's side.
- 2. Attach the grounds on the coil wire harness and snowplow harness with a 3/8" x 1-1/2" cap screw and 3/8" tooth lock washer to the A-frame. Secure the wires with a locknut. Review the diagram for the proper ground location.



3. Connect the snowplow harness to the vehicle harness, and then the vehicle harness to the pistol grip control harness. Attach the ground wire from the vehicle harness to the cab of the skid steer. The pink/black power wire connects to a switched power source with a minimum of 12 volts.

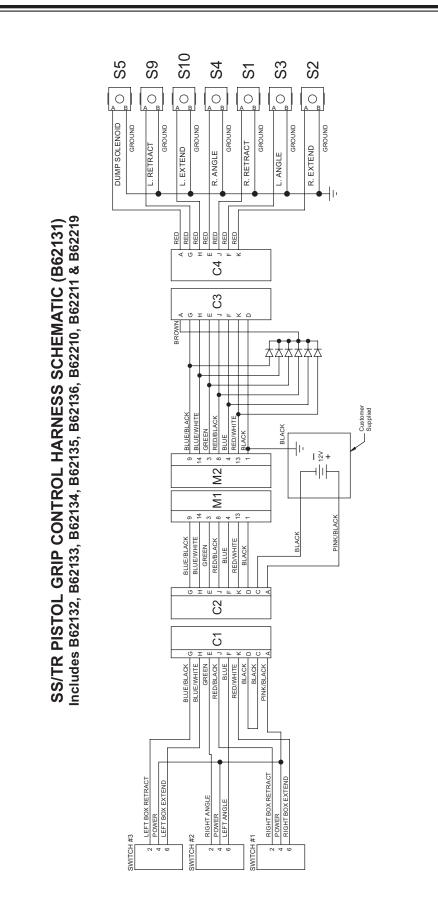
NOTE: The pink/black power wire MUST be switched ON and OFF with the ignition.

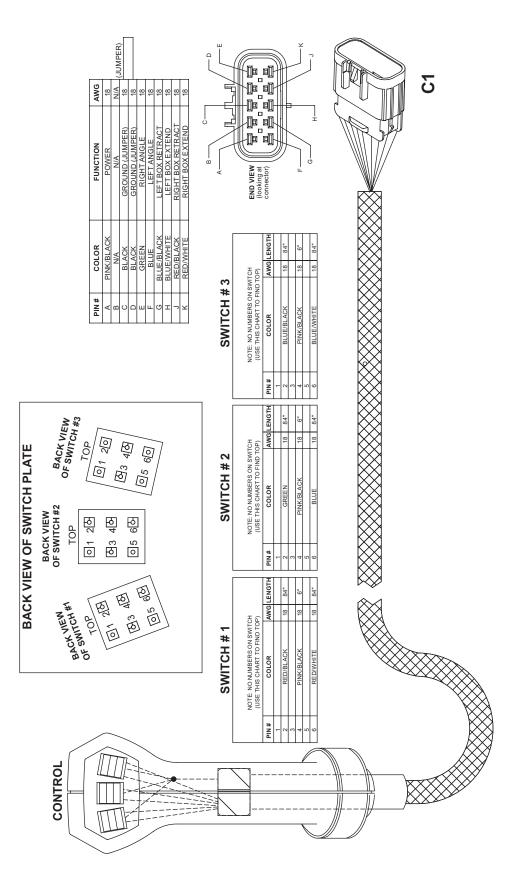
- 4. Position the vehicle harness mount bracket in an accessible location for easy on-and-off installation inside the skid steer. Secure the vehicle side harness in the notch on the bracket.
- 5. Find an accessible location inside the skid steer for the control harness mount bracket, either positioned vertically or horizontally depending on user preference. When choosing a location for your bracket, it should be mounted in easy reach of the vehicle operator and not restricting access to vehicle controls or vehicle instrumentation. The bracket should also not interfere with any safety devices or be positioned so that the control might rotate in front of the operator. Do not mount the bracket in areas prohibited by the vehicle manufacturer. See the vehicle's owner's manual or service manual for details.



Secure the bracket with hardware provided.

- Complete the assembly by reattaching the A-frame cover. Align the holes in the cover with those on the A-frame and secure it with 3/8" x 1-1/2" cap screws and 3/8" washers.
- 7. After completing the mechanical and electrical installations, test all snowplow and lighting functions before attempting to drive or plow.

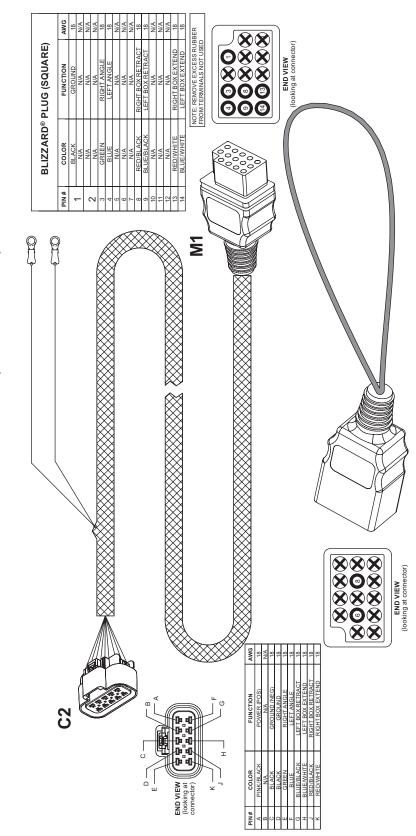




SS/TR CONTROL HARNESS (B62210, B62211& B62219)

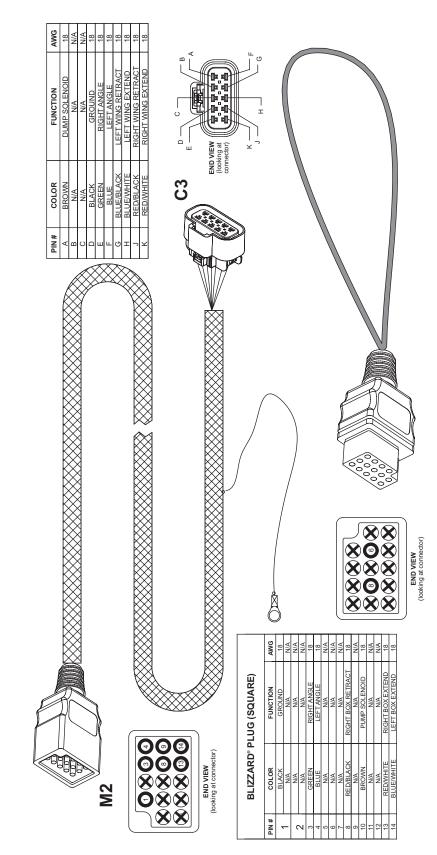
ELECTRICAL SCHEMATICS – CONTROL HARNESS





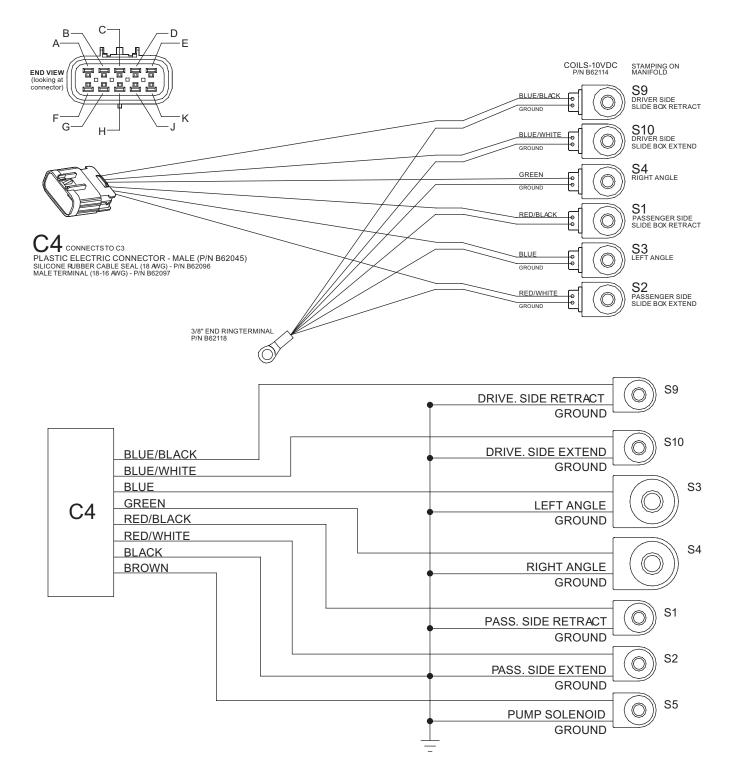
SS/TR VEHICLE HARNESS (B62132, B62133)

ELECTRICAL SCHEMATICS – SNOWPLOW HARNESS

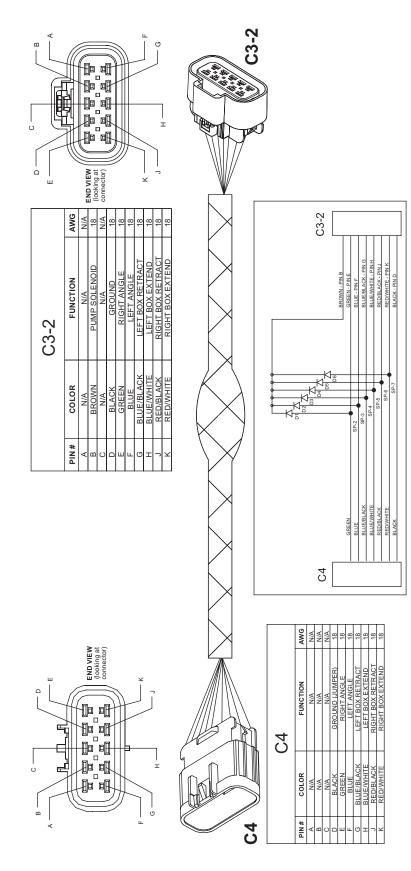


SS/TR PLOW HARNESS (B62134, B62135)

SS/TR COIL HARNESS (B62136)



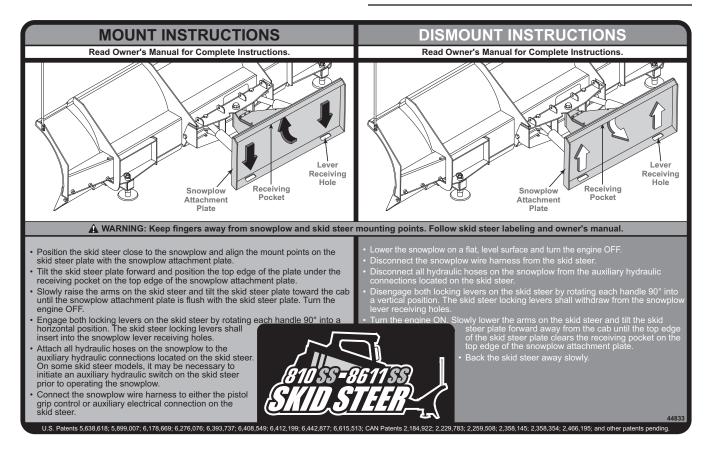
ELECTRICAL SCHEMATICS – AUXILIARY CONTROL HARNESS (OPTIONAL)



AUXILIARY CONTROL HARNESS W/ DIODES (B62162)

Prior to operating your POWER PLOW[™] snowplow, review the Mounting and Dismounting Instructions label on the back of the driver-side moldboard.

NOTE: If at any time the Mounting and Dismounting Instructions label, or any other label attached to your snowplow becomes illegible, promptly replace them.



- To test all of the functions on the POWER PLOW[™] snowplow, your snowplow needs to be properly attached to the skid steer. Refer to the Mounting and Dismounting label on the back of the snowplow.
- 2. Complete the hydraulic connections with the skid steer turned OFF.

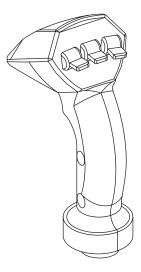
NOTE: Due to the various makes and models of skid steers available, hydraulic couplings for the auxiliary hydraulic connections are not provided. Consult your skid steer's owner's manual for the appropriate couplings needed.

Connect the couplings to the hoses for the pressure port ("P") and the tank port ("T") on the manifold. Complete the hydraulic installation by making the appropriate connections at the skid steer.

3. Start the skid steer and begin to initiate the blade functions.

NOTE: Depending on the skid steer model, it may be necessary to turn ON the skid steer's auxiliary hydraulic switch prior to operating the snowplow. The left switch on the control operates the driver-side wing. Push the switch "UP" to extend the wing and "DOWN" to retract the wing. Push the center switch "UP" to angle left and "DOWN" to angle right. The right switch operates the passenger-side wing and works the same as the left switch. Upon initiating the switches on the pistol grip control, you may notice a snowplow function is slow or delayed. The hydraulic fluid is filling the cylinders and replacing air in the system. Monitor the hydraulic fluid level in your skid steer, and fill as necessary.

(No LED Float Light or Indicator Light)



NOTE: This snowplow uses the skid steer controls for an emergency stop. See skid steer manual for details.

MAINTENANCE

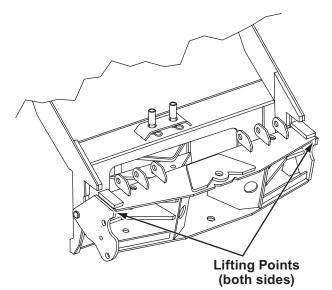
| Maintenance | Periodically | Yearly |
|--|--------------|--------|
| Check fasteners for tightness. Torque to specifications. | Х | |
| Check hoses for wear and leaks. | Х | |
| Check cylinders for leaks, inspect rod ends for corrosion and pitting. | Х | |
| Lubricate all exposed cylinder rod ends with liquid white lithium grease to prevent corrosion. | | х |
| Check cutting edges and plow shoes for wear. NOTE: Do not discard plow shoe washers, these should be retained for different shoe adjustments. | х | |
| Clean and lubricate all electrical plugs and connections with dielectric grease. Clean and install all dust caps prior to storing. | х | х |
| Lubricate all pins and bushings, inner slide box and A-frame latch with NLGI Grade 2 multi-purpose lithium complex grease with molybdenum (MPGM) to maintain consistent operation. | х | х |
| Clean and paint all scratches or exposed metal with BLIZZARD® touch-up paint. | Х | Х |
| Check the hydraulic fluid level. Fill with fluid to 3/4" from the top of the reservoir. Do not exceed this level. Never mix different types of fluid. | х | |
| Change the hydraulic fluid as specified in your skid steer Owner's Manual. | | Х |
| Check the trip spring adjustment. Properly adjusted tension will allow a sheet of paper to pass between the 3rd and 4th coils of the spring. | х | |
| Adjust the wing spring as needed or install an optional second extension spring for increased return speed. | х | |
| Pressure wash and dry the entire snowplow prior to storing. | | Х |
| Cover the snowplow with a tarp if stored outside. This will protect your snowplow from sun fading and inclement weather, which can lead to accelerated corrosion. | | Х |

REMOVING FROM STORAGE

- 1. Perform all regular maintenance.
- Replace the hydraulic fluid in the hydraulic system. Prolonged storage could result in condensation build-up.
- 3. Follow the mounting procedure on the Mounting and Dismounting label.
- 4. Initiate all of the functions and test before using.

LIFTING

To lift and move this snowplow, attach chain fall grab hooks to outside pivot beam area shown. Always follow recommended lift warnings and procedures. See following page for snowplow weights and dimensions.

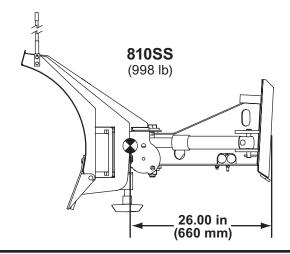


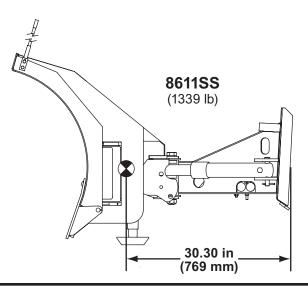
Lit. No. B64091, Rev. 11

TECHNICAL SPECIFICATIONS & CENTER OF GRAVITY INFORMATION

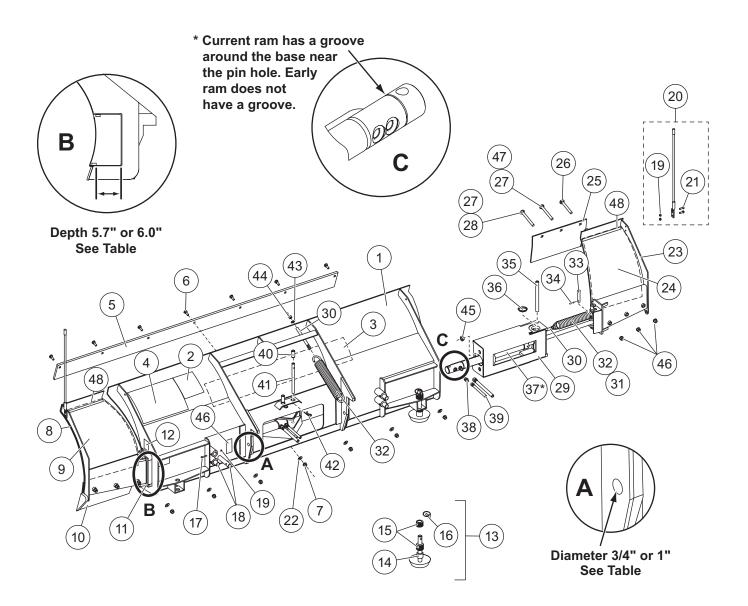
| Part | Specification | 810SS | 8611SS | |
|-----------|-----------------------------|------------------------------------|------------------------|--|
| | Length | 96" (8') | 102" (8'-6") | |
| | Thickness | 12 ga | 11 ga | |
| | Height | 31" | 34" | |
| Moldboard | Reinforcement | 4 Ribs | @ 1/4" | |
| | Cutting Edge | 1/2" x 6" | 5/8" x 6" | |
| | Finish | Powder C | oat White | |
| | Trip Mechanism | (4) 3/8" Hooked Extension | | |
| | Length | 12" | 23" | |
| | Thickness | 11 ga | 7 ga | |
| Mingo | Height | 31" | 34" | |
| Wings | Reinforcement | 1 Rib | @ 1/4" | |
| | Cutting Edge | 1/4" x 10" T1 | 3/8" x 12-1/2" T1 | |
| | Finish | Powder C | oat White | |
| | Material | 1/4" and 5/1 | 6" Mild Steel | |
| A-Frame | Cover | 1/4" Mild Steel w/Non-Skid Texture | | |
| | Finish | Powder Coat Black | | |
| Manifold | Construction | Clear Anodized Aluminum | Gold Anodized Aluminum | |
| Mannold | Valves | Electro-Hydraulic Cartridge | | |
| | Angle Cylinders | 2 | | |
| | Stroke | 10" | 10" | |
| | Ram Diameter | 1-3/4" | 2" | |
| Culindara | Bore Diameter | 2" | 2-1/4" | |
| Cylinders | Slide Box Cylinders | 2 | 2 | |
| | Stroke | 13-15/16" | 18-7/16" | |
| | Ram Diameter | 1" | 1-1/8" | |
| | Bore Diameter | 1-1/2" | 1-3/4" | |
| | Weight* | 998 lb | 1339 lb | |
| | Compact Width | 96" (8') | 102" (8'-6") | |
| | WIDE PASS™ Width | 120" (10') | 132" (11'-3") | |
| Snowplow | BUCKET BLADE™ Width | 111" (9'-3") | 118" (9'-10") | |
| Specs | Adjustable Plow Shoes | (2) Heavy-Du | ity Cast Steel | |
| | Mount Mechanism | Universal Atta | achment Plate | |
| | Standard Control Station | Pistol Grip v | v/3 Switches | |
| | Optional Integrated Control | Auxiliary Harr | ness w/Diodes | |

* Weight does not include hydraulic fluid.





| Problem | Cause | Solution |
|--|--|---|
| | S5 coil is not magnetizing. | S5 coil should magnetize with each function. |
| Snowplow functions will not work after all connections are made or snowplow functions are slow. | Solenoid cartridge valve may be contaminated or damaged. A bent or overtorqued cartridge will not allow the valve to move freely inside of the cartridge. | Determine a damaged cartridge valve by reversing the driver-side and passenger-side cartridge valves one at a time. Replace valve if necessary. |
| Snowplow functions start and terminate suddenly. | Skid steer hydraulic fluid flow is set to variable flow. | For snowplow functions to work, the skid steer hydraulic fluid flow should be set to continuous flow. Review your skid steer operation manual for proper flow settings. |
| Multiple valves function | Diodes may be corroded or damaged. | Clean diodes thoroughly and/or replace. |
| simultaneously. | Wire harness may be damaged. | Verify harness is not damaged. Review schematic(s) to troubleshoot connection(s). Replace if needed. |
| Snowplow functions are reversed (e.g. driver-side wing extends when passenger-side wing is activated from the control). | Hydraulic hoses are connected wrong or coils and wiring are incorrect. | Review the Hydraulic Valve and Hose Port Identification Guide under the A-frame cover for proper port locations and/or place respective coils over correct valves. |
| Both wings extend when the skid steer hydraulics are turned ON. | Pressure (P) and tank (T) hoses are installed in the wrong position on the skid steer. | Review the skid steer operation manual to determine the pressure and tank connections. |
| Snowplow angles only one way. | Skid steer computer conflicts with cylindrical connection. | Using a jumper wire, connect pin K to pin L at the back of the cylindrical connector (cylindrical connector only). |
| Wing will not stay angled when plowing. | The wing pressure relief valve is contaminated. | Test the wing pressure relief. Attach a T-fitting with a fluid psi gauge to the base end of the wing cylinder. Pressure relief should not be greater than 1700 psi (2800 psi for 8611SS) Replace if less than 1500–1700 psi (2600–2800 psi for 8611SS). |
| Snowplow will not stay angled when plowing. | The angle pressure relief valve is set too low. <i>NOTE: Increasing the</i> <i>pressure relief valve will cause</i> <i>damage to your snowplow. Do not</i> <i>set the pressure relief greater than</i> <i>3000 psi.</i> | Follow the guidelines indicated above; however, the psi setting should not exceed 3000 psi. <i>NOTE: If the snowplow is floating back when angled to the right, adjust the left pressure relief valve and vice versa.</i> |
| | Control station, harness or cables may be loose or improperly connected. | Verify that control station, harness and all cables are securely connected. Clean if necessary. |
| | No power to the cartridge valve. | Verify that S9 and S10 coils (passenger-side slide box retract and extend) and S1 and S2 (driver- side slide box retract and extend) are connected properly. Diagnose the wire harness. Review all wire harness schematics. If power is present, review the next step. |
| Wing will not move. | Coils are receiving power. | Verify that coils are magnetizing. Position a screwdriver inside of the coil. When the respective function is activated, the screwdriver is drawn to the side of the coil. If the coil is not drawn to the screwdriver, replace the coil. If power is present, review the next step. |
| | Solenoid cartridge may be contaminated or damaged. A bent cartridge will not allow the valve to move freely inside of the cartridge. | Determine a damaged cartridge valve by reversing the driver-side and passenger-side cartridge valves. Replace valve if necessary. |
| Snowplow will not angle. | Review all probable causes above. | NOTE: Verify coils S3 and S4 for angle functions. |



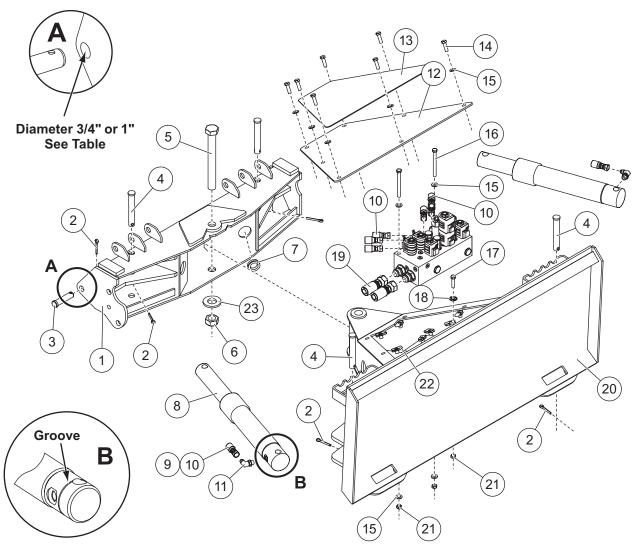
| | | Q | Qty | | |
|------|----------|-------|--------|---|--|
| Item | Part | 810SS | 8611SS | Description | |
| 1 | B52074-1 | 1 | _ | Moldboard | |
| | B52085 | - | 1 | Moldboard, 3/4" dia hole (see callout A) | |
| | B52185 | _ | 1 | Moldboard, 1" dia hole (see callout A) | |
| 2 | 59900 | 1 | 1 | Label – Information (Warning) | |
| 3 | B63160 | 1 | 1 | Label – Center Moldboard | |
| 4 | 44833 | 1 | 1 | Label – Skid Steer Mounting & Dismounting | |
| 5 | B61292 | 1 | _ | Cutting Edge, Moldboard (1080) | |
| | B52139 | _ | 1 | Cutting Edge, Moldboard (1080) | |
| 6 | 90238 | 7 | - | 1/2-13 x 1-3/4 Carriage Bolt G8 | |
| | 80238 | - | 7 | 5/8-11 x 2 Carriage Bolt G8 | |
| 7 | 91335 | 13 | 6 | 1/2-13 Hex Locknut Topring GB | |
| | 91337 | - | 7 | 5/8-11 Hex Locknut Topring GB | |
| | | | | G = Grade | |

MOLDBOARD & WING PARTS – ALL MODELS

| | | Q | ty | |
|------|--------|----|----|--|
| Item | Part | | - | Description |
| 8 | B51042 | 1 | _ | Wing – DS |
| | B51100 | _ | 1 | Wing – DS |
| 9 | 96325 | 1 | _ | Wing Label – DS |
| | 96329 | _ | 1 | Wing Label – DS |
| 10 | B51048 | 1 | _ | Cutting Edge, Wing (T1) – DS |
| | B51069 | _ | 1 | Cutting Edge, Wing (T1) – DS |
| 11 | B50057 | 1 | _ | Slide Box – DS |
| | B50075 | _ | 1 | Slide Box – DS, 5.7" (see callout B) |
| | B50095 | - | 1 | Slide Box – DS, 6" (see callout B) |
| 12 | 29593 | 2 | 2 | Label – Multiple Pinch Points |
| 13 | 49071 | 2 | 2 | HD Disc Shoe Assembly |
| 14 | 60045 | 2 | 2 | 1-1/8 ID, 1-5/8 OD x 1-1/2 Spacer |
| 15 | 91192 | 44 | 28 | 1" Flat Washer |
| 16 | 93010 | 2 | 2 | 7/16 x 1-3/4 Linchpin |
| 17 | B61383 | 4 | 4 | 5/16-18 x 2-1/4 Hex Cap Screw G8 |
| 18 | B61681 | 4 | 4 | 1 x 4-1/8 Slide Box Stop Pin |
| 19 | B61384 | 4 | 4 | 5/16-18 Locknut GC |
| 20 | B61049 | 1 | 1 | Plow Guide Assembly (set of 2) |
| 21 | 68494 | 4 | 4 | 5/16-18 x 1 Hex Cap Screw G5 |
| 22 | 90572 | 7 | _ | 1/2 Hardened Flat Washer |
| | 90576 | _ | 7 | 5/8 Hardened Flat Washer |
| 23 | B51043 | 1 | _ | Wing – PS |
| | B51101 | _ | 1 | Wing – PS |
| 24 | 96326 | 1 | _ | Wing Label – PS |
| | 96330 | _ | 1 | Wing Label – PS |
| 25 | B51047 | 1 | _ | Cutting Edge (T1) – PS |
| | B51070 | - | 1 | Cutting Edge (T1) – PS |
| 26 | B61418 | 2 | _ | 1/2-13 x 3-1/2 Carriage Bolt G8 |
| | B61360 | - | 2 | 1/2-13 x 5 Carriage Bolt G8 |
| 27 | B61622 | 2 | 2 | 1/2-13 x 5-3/4 Carriage Bolt G8 |
| 28 | B61362 | - | 2 | 1/2-13 x 6-1/2 Carriage Bolt G8 |
| 29 | B50058 | 1 | _ | Slide Box – PS |
| | B50074 | - | 1 | Slide Box – PS, 5.7" (see callout B) |
| | B50094 | _ | 1 | Slide Box – PS, 6" (see callout B) |
| 30 | B61416 | 6 | 8 | 5/8-11 x 7-3/8 Spade Bolt G8 |
| 31 | B61398 | 2 | - | 13 OAL x 2 OD x 5/16 Extension Spring |
| 32 | 23039 | 4 | 8 | Trip Spring |
| 33 | B61385 | 2 | 2 | 5/8 x 3.06 Clevis Pin |
| 34 | 90601 | 2 | 2 | 1/4 x 1-1/2 Cotter Pin |
| 35 | B51009 | 2 | - | 3/4 x 9 Wing/Slide Box Pivot Pin |
| | B13307 | _ | 2 | 1 x 11-1/8 Wing/Slide Box Pivot Pin |
| 36 | B61425 | 2 | - | 2-51/64 OD, 2-9/32 ID x 1/2 Black Polyethylene Plug |
| 37* | B60347 | 2 | _ | Slide Box Extend/Retract Hydraulic Cylinder (Early ram – see callout C.) |
| | 43803 | 2 | - | Ram Assembly 1-1/2 x 13-15/16 DA (Current ram - see callout C.) |
| | B60207 | _ | 2 | Slide Box Extend/Retract Hydraulic Cylinder (Early ram – see callout C.) |
| | 43802 | _ | 2 | Ram Assembly 1-3/4 x 18-7/16 DA (Current ram - see callout C.) |
| | | | | G = Grade |

MOLDBOARD & WING PARTS – ALL MODELS

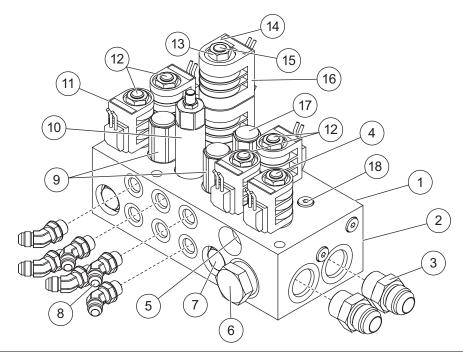
| | | Qty | | | | |
|------|-----------|-------|--------|---|--|--|
| Item | Part | 810SS | 8611SS | Description | | |
| 38 | B60007 | 4 | - | 9/16-18 Male ORB Hydraulic Adapter | | |
| | 56695 | - | 4 | Elbow, 45° –6 M JIC/–6 M ORB | | |
| 39 | 49501 | 4 | 4 | Hose, 3/8 x 36 w/F JIC Ends | | |
| 40 | B61198 | 2 | 2 | 5/8 ID, 3/4 OD x 1 Black Vinyl Cap | | |
| 41 | B11989 | 2 | 2 | 5/8 x 11-1/2 Slide Box Extend/Retract Hydraulic Cylinder Base End Pin | | |
| 42 | B61030 | 2 | 2 | 1/8 x 2-5/8 Hairpin Cotter | | |
| 43 | 90576 | 4 | 6 | 5/8 Hardened Washer | | |
| 44 | 91337 | 2 | 8 | 5/8-11 Hex Locknut GB | | |
| 45 | 29256 | 1 | 1 | Label – Foot Crush Hazard | | |
| 46 | B61365 | _ | 6 | 1/2-13 Flanged Locknut | | |
| 47 | B61419 | 2 | 2 | 1/2-13 x 4-1/2 Carriage Bolt G8 | | |
| 48 | 50639 | _ | 2 | Wear Strip – Wing Top | | |
| | G = Grade | | | | | |



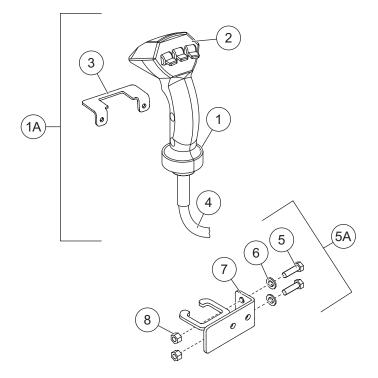
* Current ram has a groove around the base near the pin hole. Early ram does not have a groove.

| | | Qty | | |
|------|--------|-------|---------|---|
| Item | Part | 810SS | 8611SS | Description |
| 1 | B52151 | 1 | - | Pivot Beam |
| | B41052 | _ | 1 | Pivot Beam, 3/4" dia hole (See callout A.) |
| | B41077 | _ | 1 | Pivot Beam, 1" dia hole (See callout A.) |
| 2 | 90601 | 4 | 4 | 1/4 x 1-1/2 Cotter Pin |
| 3 | B50069 | 2 | 2 | 3/4 x 3 Clevis Pin (For 8611SS only – see callout A.) |
| | B61717 | _ | 2 | 1 x 3-1/4 Clevis pin (See callout A.) |
| 4 | 95739 | 4 | 4 | 3/4 x 5 Clevis Pin |
| 5 | B61330 | 1 | 1 | 1-8 x 9 Hex Cap Screw G8 |
| 6 | B61008 | 1 | 1 | 1-8 Top Locknut GC Distorted Thread |
| 7 | B61217 | 4 | 4 | 1-1/2 ID, 2-1/8 OD Black Rubber Grommet, 60 Durometer |
| | | G | = Grade | ns = not shown |

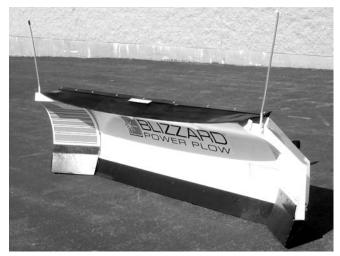
| | | Qty | | |
|------|--------|-------|---------|---|
| Item | Part | 810SS | 8611SS | Description |
| 8 | B60029 | 2 | - | Hydraulic Cylinder, Snowplow Angle (Early ram – see callout B.) |
| | 43801 | 2 | - | Ram Assembly 1-3/4 x 10 (Current ram – see callout B.) |
| | B60324 | - | 2 | Hydraulic Cylinder, Snowplow Angle |
| | 43805 | - | 2 | Ram Assembly 2 x 10 (Current ram – see callout B.) |
| 9 | B60223 | 2 | - | 3/8 x 26 Snowplow Angle Hydraulic Hose |
| 10 | 49501 | 4 | 6 | 3/8 x 36 Snowplow Angle Hydraulic Hose |
| 11 | 56590 | 2 | 2 | 9/16-18 90° Adjustable Elbow Hydraulic Adapter ORB |
| 12 | B70143 | 1 | 1 | A-Frame Rubber Mat |
| 13 | B70134 | 1 | 1 | A-Frame Cover Plate |
| 14 | 90055 | 3 | 3 | 3/8-16 x 1-1/4 Hex Cap Screw G8 |
| 15 | 29233 | 7 | 7 | 3/8 SAE Hardened Washer |
| 16 | B61514 | 2 | 2 | 3/8-16 x 4 Hex Cap Screw G5 |
| 17 | 66439 | 1 | 1 | 3/8-16 x 1-1/2 Hex Cap Screw G5 |
| 18 | B61307 | 1 | 1 | 3/8 Internal/External Tooth Lock Washer |
| 19 | B60086 | 2 | 2 | Hose, 3/4 x 78 –12 w/F JIC/3/4 M NPTF Ends |
| 20 | B70132 | 1 | 1 | A-Frame |
| 21 | B61034 | 3 | 3 | 3/8-16 Hex Locknut GC |
| 22 | B61275 | 7 | 7 | 3/8-16 U-Nut |
| 23 | B61203 | 1 | 1 | 1" Washer |
| | | G | = Grade | ns = not shown |



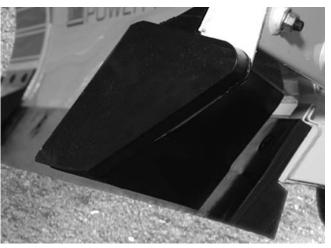
| | | Qty | | |
|------|--------|-------|---------|---|
| Item | Part | 810SS | 8611SS | Description |
| 1 | B60341 | 1 | _ | Manifold Assembly |
| | B60342 | - | 1 | Manifold Assembly |
| ns | B60491 | 1 | 1 | Pump/Manifold Kit (incl. B60402 [1], B60447 [1], B60448 [1], B62039 [1], B61011 [2], B61412 [2], B61312 [2], B61637 [2], 56805 [4]) |
| 2 | B60354 | 1 | _ | Manifold Block (with Cross Port Relief), Clear Anodized Aluminum |
| | B60355 | _ | 1 | Manifold Block (with Cross Port Relief), Gold Anodized Aluminum |
| 3 | B60089 | 2 | 2 | Connector, Short –12 M JIC/–12 M ORB |
| 4 | B60320 | 1 | 1 | Spool Valve 2-Way |
| 5 | B60356 | 1 | 1 | Back-Pressure Check Valve 5 psi |
| 6 | B60183 | 1 | 1 | Pressure Compensation Regulation Valve |
| 7 | B60225 | 4 | 4 | Check Valve 50 psi |
| 8 | 56695 | 6 | 6 | Elbow 45 –6 M JIC/–6 M ORB |
| 9 | B60279 | 2 | _ | Relief Valve 1500 psi |
| | B60227 | _ | 2 | Relief Valve 2650 psi |
| 10 | B60168 | 1 | 1 | Relief Valve 3000 psi |
| 11 | B62163 | 5 | 5 | Coil, PDL 12V DC |
| 12 | B60166 | 4 | 4 | Spool Valve – 3-Way, 2-Position |
| 13 | B60052 | 5 | 5 | 1/2-20 Hex Jam Nut |
| 14 | B62161 | 1 | 1 | Coil Harness Assembly (incl. Items B62045, B62118 [2], B62116 [5], B62096 [7], B62097 [7], Items 32–36) |
| 15 | B60321 | 1 | 1 | Spool Valve – 4-Way, 3-Position |
| 16 | B62164 | 2 | 2 | Coil, LDL 12V DC |
| 17 | B60278 | 2 | _ | Relief Valve 1700 psi |
| | B60226 | _ | 2 | Relief Valve 2800 psi |
| 18 | B60049 | 2 | 2 | SAE Hollow Hex Plug ORB |
| ns | B63196 | 1 | 1 | Label – SS/TR Hydraulic Hose Guide |
| ns | B60322 | 2 | 2 | Piston Assembly |
| | | G | = Grade | ns = not shown |



| | Control | | | | | | | |
|------|---------|-------|--------|---|--|--|--|--|
| | | Q | ty | | | | | |
| Item | Part | 810SS | 8611SS | Description | | | | |
| 1 A | B62131 | 1 | 1 | Pistol Grip Control Wire Harness Assembly (incl. Items 1–5 A) | | | | |
| ns | B62132 | 1 | 1 | Wire Harness Extension, Vehicle-Side | | | | |
| ns | B62133 | 1 | 1 | Weather Cap, Vehicle-Side Wire Harness Extension | | | | |
| ns | B62134 | 1 | 1 | Wire Harness Extension, Snowplow-Side | | | | |
| ns | B62135 | 1 | 1 | Weather Cap, Snowplow-Side Wire Harness Extension | | | | |
| ns | B62045 | 2 | 2 | Connector, Male, Plastic | | | | |
| ns | B62097 | 17 | 17 | Terminal, Male (18–16 ga) | | | | |
| ns | B62096 | 35 | 35 | Seal, Cable, Silicone, Orange (18 ga) | | | | |
| ns | B62116 | 5 | 5 | Plug, Cavity, Silicone, White (18–16 ga) | | | | |
| ns | B62046 | 2 | 2 | Connector, Female, Plastic | | | | |
| ns | B62100 | 2 | 2 | Terminal, Ring #10 (22–18 ga) | | | | |
| ns | B62093 | 18 | 18 | Terminal, Female (18–16 ga) | | | | |
| ns | B62118 | 1 | 1 | 3/8 End Ring Terminal | | | | |
| ns | B62072 | 1 | 1 | 3/8 End Ring Terminal Snowplow Side Wire Harness Extension | | | | |
| ns | B62218 | 1 | 1 | Harness, Skid Steer Snowplow Side Extension 4' | | | | |
| 1 | B62219 | 1 | 1 | Housing, Skid Steer Pistol Grip 2 Halves w/Screws (B61613) | | | | |
| 2 | B62211 | 1 | 1 | Circuit Board and 3-Switch Assembly | | | | |
| 3 | B70040 | 1 | 1 | Mount Bracket, Vehicle Side | | | | |
| 4 | B62210 | 1 | 1 | Harness, Control w/Pipe Skid Steer | | | | |
| 5 A | B70048 | 1 | 1 | Pistol Grip Control Mount Bracket Kit (incl. Items 5–8) | | | | |
| 5 | 90055 | 2 | 2 | 3/8-16 x 1-1/4 Hex Cap Screw G8 | | | | |
| 6 | 29233 | 2 | 2 | 3/8 Hardened Washer | | | | |
| 7 | B70049 | 1 | 1 | Mount Bracket, Pistol Grip Control | | | | |
| 8 | 91333 | 2 | 2 | 3/8-16 Hex Locknut GB | | | | |
| | G = | Grade | | ga = Gauge ns = not shown | | | | |



 Rugged and durable, the 3/8" thick, 2-ply rubber snow deflector keeps snow off your windshield and in its place—on the ground! The one-piece design allows for wing clearance and provides optimum snow deflection. The deflector is shipped with a POWER PLOW™ vinyl label and complete mounting hardware.



 Durable and long lasting, the POWER PLOW[™] polyurethane moldboard and wing cutting edges will keep you plowing longer and safer! Specially formulated for snow plowing applications, BLIZZARD[®] poly edges resist gouging, provide superior wear life and effectively reduce plowing noise. Ideal for all plowing conditions. Edges are shipped with mounting hardware.



 Beef-up your POWER PLOW[™] snowplow with our 3/8" thick wing cutting edges. These edges are built to withstand heavy snowplow use on the roughest road surfaces and also provide added material for protection against sidewalk curb wear. Mounting hardware included.



 Putting your snowplow away for the winter? Have a deep scratch to cover? Clean up your blade and snowplow parts with our gloss spray paints. BLIZZARD touch-up paint provides an excellent finish to help keep your snowplow looking its best. Paint provided in 12-oz spray cans.



5. Integrate all snowplow controls into your skid steer using an optional auxiliary control harness. This 7-foot braided harness connects easily to your existing manifold harness on one end and your skid steer on the other. Assembly of the harness wiring to your skid steer-specific auxiliary electrical controls required. Electrical connector not provided with harness.

| | | | | Accessories |
|------|--------|-------|--------|---|
| | | Qty | | |
| Item | Part | 810SS | 8611SS | Description |
| 1 | B61241 | 1 | _ | Rubber Snow Deflector w/Hardware |
| | B52087 | - | 1 | Rubber Snow Deflector w/Hardware |
| 2 | B61288 | 1 | _ | 3/8" Wing Cutting Edges w/Hardware (T1) |
| 3 | B61536 | 1 | _ | Polyurethane Moldboard and Wing Cutting Edges w/Hardware |
| | B61539 | - | 1 | Polyurethane Moldboard and Wing Cutting Edges w/Hardware |
| 4 | B61219 | 1 | 1 | POWER PLOW™ High Performance Spray Paint (12 oz), Gloss White |
| | B63073 | 1 | 1 | POWER PLOW High Performance Spray Paint (12 oz), Gloss Black |
| 5 | B62162 | 1 | 1 | Auxiliary Control Harness w/Diodes |
| | | | | Kits |
| ns | B61277 | 1 | _ | Hardware Kit, Snowplow Assembly Parts |
| | B61479 | _ | 1 | Hardware Kit, Snowplow Assembly Parts |
| ns | B60454 | 1 | _ | Hydraulic Adapter Kit (incl. Items B60005 [2], B60007 [4], B60089 [2], 56695 [6]) |
| | B60453 | _ | 1 | Hydraulic Adapter Kit (incl. Items B60005 [2], B60089 [2], 56695 [10]) |
| ns | B60456 | 1 | _ | Hydraulic Hose Kit (incl. Items B60086 [2], B60223 [2], 49501 [4]) |
| | B60455 | - | 1 | Hydraulic Hose Kit (incl. Items B60086 [2], 49501 [6]) |
| ns | B61255 | 1 | 1 | Hardware Kit, Moldboard Cutting Edge |
| ns | B52067 | 1 | _ | Cutting Edge Kit, Moldboard w/Hardware |
| | B52095 | _ | 1 | Cutting Edge Kit, Moldboard w/Hardware |
| ns | B61431 | 1 | _ | Hardware Kit, Wing Cutting Edge |
| | B61387 | _ | 1 | Hardware Kit, Wing Cutting Edge |
| ns | B51104 | 1 | _ | Kit, Wing Cutting Edges w/ Hardware |
| | B51103 | _ | 1 | Kit, Wing Cutting Edges w/ Hardware |
| ns | B60360 | 1 | _ | Combo Seal Kit, Cyl B60029/B60065 |
| | 43792 | 1 | _ | Seal Kit, Ram Assembly 43801, 43813 |
| ns | B60365 | _ | 1 | Combo Seal Kit, Cyl B60207 |
| | 43793 | _ | 1 | Seal Kit, Ram Assembly 43802 |
| ns | B60366 | - | 1 | Combo Seal Kit, Cyl B60221/B60324 |
| | 43795 | - | 1 | Seal Kit, Ram Assembly 43804, 43805 |
| ns | B60373 | 1 | _ | Combo Seal Kit, Cyl B60347 |
| | 43794 | 1 | _ | Seal Kit, Ram Assembly 43803 |
| ns | 96028 | 1 | _ | Moldboard Label Pack |
| ns | 96032 | - | 1 | Moldboard Label Pack |
| | | | | ns = not shown |



Blizzard PO Box 245038 Milwaukee, WI 53224-9538 www.blizzardplows.com

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