March 1, 2009 Lit. No. 68251, Rev. 05



## Model 810-1 POWER PLOW<sup>®</sup> Snowplow

### Installation Instructions & Owner's Manual

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

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Read this document before installing the snowplow.

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Read this document before operating or servicing snowplow.

This manual supersedes all editions with an earlier date.

www.storksplows.com

Congratulations on purchasing the most advanced 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<sup>®</sup> 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 may 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.

### **A**CAUTION

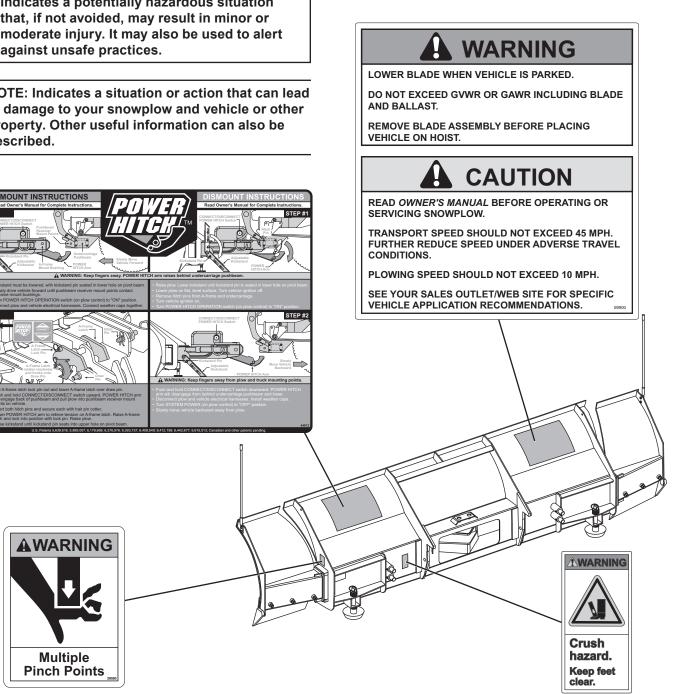
Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

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

You can die or be seriously injured. Keep hands and feet away from hitch mechanism and snowplow blade when operating the POWER HITCH™ arm. The action of the arm moves the snowplow toward the vehicle and into position for proper attachment.

### **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 GVWR or GAWR including the blade and ballast. The rating label is found on the driver-side vehicle door cornerpost.

### **A** WARNING

To prevent accidental movement of the blade, always turn the ON/OFF switch to OFF whenever the snowplow is not in use. The control indicator light will turn off.

### **A** WARNING

Remove blade assembly before placing vehicle on hoist.

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Read Owner's Manual before operating or servicing snowplow.

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Transport speed should not exceed 45 mph. Further reduce speed under adverse travel conditions.

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Plowing speed should not exceed 10 mph.

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See your BLIZZARD<sup>®</sup> outlet for application recommendations.

### 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 could 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

### A WARNING

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 or two-way radios.

### VENTILATION

### A WARNING

Vehicle exhaust contains lethal fumes. Breathing these fumes, even in low concentrations, could 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.

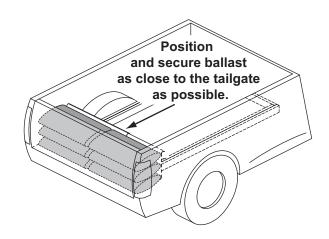
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See your BLIZZARD<sup>®</sup> outlet for specific vehicle application recommendations before installation. The Undercarriage Selection Guide has specific vehicle and snowplow requirements.

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 plowing 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.

### **BALLAST REQUIREMENTS**



Ballast (additional weight) is an important part of qualifying vehicles for snowplow eligibility. Rear ballast must be used when necessary to remain in compliance with axle ratings and ratios as specified by the vehicle manufacturer.

If ballast is required, it is important that it be secured properly behind the rear axle. A ballast retainer kit is available from your BLIZZARD outlet, PN 62849.

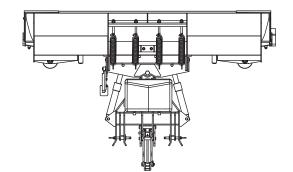
NOTE: The ballast retainer kit is for snowplow vehicles requiring ballast. See your BLIZZARD outlet for the correct amount of ballast required. Include the weight of the retainer as part of the ballast requirement. Sand bags are recommended for use as ballast.

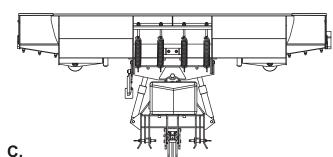
NOTE: Ballast recommended and its weight calculations assume the entire width of the bed is filled as close to tailgate as possible.

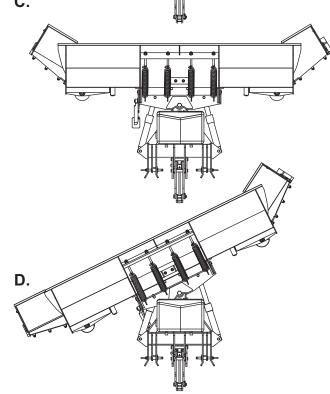
Your POWER PLOW<sup>®</sup> snowplow is the most advanced and versatile snowplow on the market. The easyto-use controls allow you to automatically adjust the snowplow blade and wings into an infinite number of plowing positions. Review the illustrations below to determine the best position for your plowing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

### Α.

Β.







### 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<sup>™</sup> 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<sup>™</sup> 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

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Always transport POWER PLOW snowplow with both wings fully retracted.

NOTE: To prevent premature failure of the power contactor (solenoid), return the joystick to its neutral (center) position or release the touchpad button immediately after the blade reaches the limit of any position. Continuing to hold the control after the blade has reached the limit of movement in any position will reduce the life of the solenoid. Your POWER PLOW<sup>®</sup> 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 Service 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.
- 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:\_\_\_\_\_

Hydraulic Pump Serial Number:\_\_\_\_\_

Register your snowplow online at www.blizzardplows.com.

### **TORQUE CHART**

### **A**CAUTION

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

SAE J429 Grade 5 Torque Values				S	AE J429 Grade	8 Torque Value	es
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-Ib
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

### (10.9) Grade Identification for Metric–Grade 10.9 Bolt

	Metric Class 8.8 Torque Values				Metric Class 10.9 Torque Values		
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-Ib	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 one 9/16" male ORB connector 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.

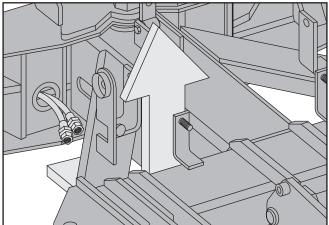


NOTE: The positions for the rod- and base-end slide box hoses. The hoses that operate the retract functions (rod) of the cylinders are closest to the base of each cylinder. The hoses that operate the extend functions (base) of the cylinders are closest to the rod of each cylinder.

 Connect hoses (B60224) to each of the hydraulic adapters on the cylinders. Tighten hoses per torque chart.

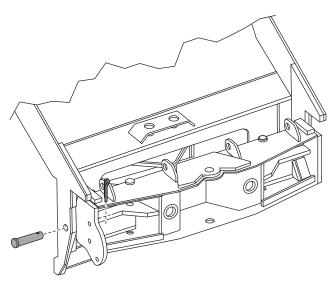
NOTE: Review the label on each hose for the appropriate part number.

 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.

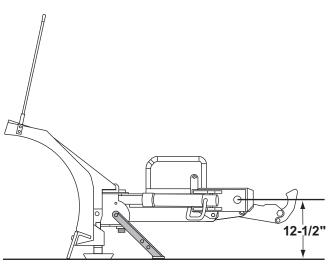


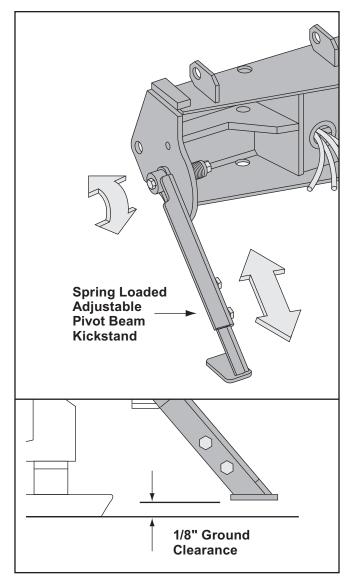
Feed each group of hoses (two per side) through the grommets in the pivot beam and up through the openings in the A-frame. Positioning the hoses through the pivot beam supports the hoses while the snowplow is in use and prevents them from dragging on the ground.

 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) through each mounting hole and secure it with a 1/4" x 1-1/2" cotter pin (90601).



5. Mount the kickstand to the end of the pivot beam (driver-side) using the 1/2" x 4-1/2" carriage bolt provided. The spring, bushing and locknut are located on the inside of the pivot beam. Review the diagrams below and to the right. To pivot the kickstand, pull the spring loaded leg out and rotate it until the pin locks into place. Adjust the foot on the stand arm so that the foot is 1/8" from the ground when the A-frame is level and the A-frame mount points are 12-1/2" from the ground. Tighten both of the locknuts on the kickstand.

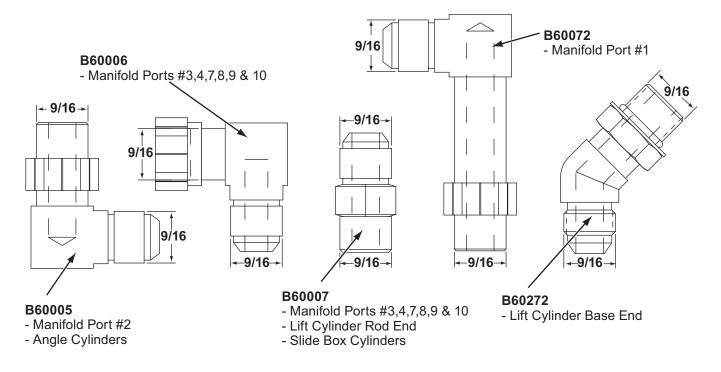




- Position each angle cylinder with the rod end of the cylinder in the pivot beam and the hydraulic hose port facing away from the A-frame. Secure the cylinder to the pivot beam with a 3/4" x 5" clevis pin (B41051) and a 1/4" x 1-1/2" cotter pin (B61357). Extend each cylinder rod until the cylinder base mounting hole aligns with the hole on the A-frame angle cylinder bracket. Insert another clevis pin and secure it with a cotter pin.
- 7. Remove the dust cap from both of the hydraulic angle cylinder ports and attach one 9/16" 90° adjustable elbow ORB adapter (B60005) to each port. Each adapter should be angled toward the top of the moldboard. Connect one 3/8" x 24" hydraulic hose (B60091 or B60223) to each angle cylinder adapter. Be careful not to overtighten the hose connections. Route both hoses over the TOP of each cylinder. This will prevent them from hanging or being pinched. Tighten fittings and hoses per torque chart.
- Remove the plastic dust caps from the hydraulic lift cylinder ports. Attach one 9/16" 45° adjustable elbow ORB adapter (B60272) to the driver-side port (base end) and one 9/16" male ORB connector adapter (B60007) to the passenger-side port (rod end). Once the adapters have been installed on the cylinder, connect the hydraulic hoses. Tighten fittings and hoses per torque chart.

NOTE: Position the 45° fitting in the cylinder port so that the hoses install directly in the center of the A-frame access holes. A hose installed too close to the edge of the opening may work itself free with the operation of the lift cylinder and/or movement of the snowplow.

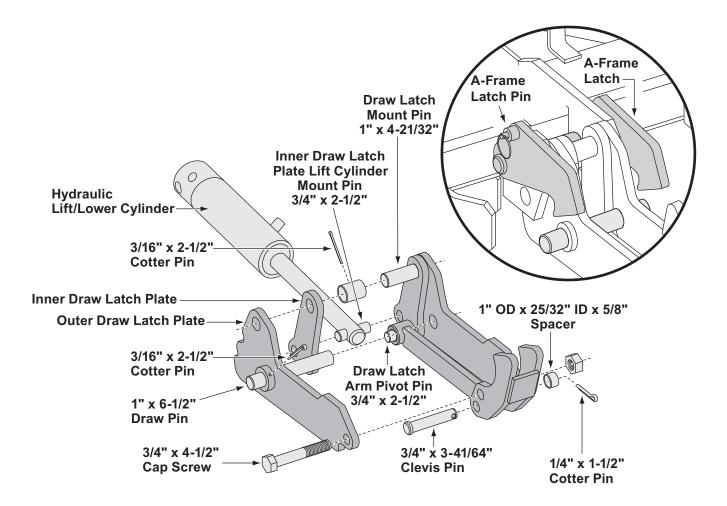
The 45° adapter receives a 3/8" x 17" hydraulic hose (**B60273**). Connect the 45° angle on the hose to the hydraulic adapter on the cylinder. The male connector adapter receives a 3/8" x 15" hydraulic hose (**B60274**). Connect the 45° end of the hose to the hydraulic adapter on the cylinder. Both hoses should be routed through the triangular openings in the A-frame. Tighten fittings and hoses per torque chart.



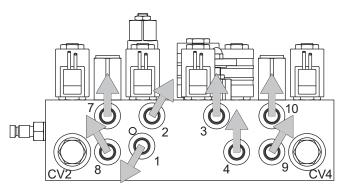
9. Remove the draw latch mount pin, spacer and cotter pin from the draw latch assembly. By removing this pin, the inner draw latch plates can swing free. Remove the inner draw latch plate lift cylinder mount pin. Position the plates on either side of the lift/lower cylinder rod and insert the pin through the plates and cylinder rod. With the cylinder connected to the inner draw latch plates, rotate the draw latch assembly toward the draw latch mount holes on the A-frame. Align the holes in the outer draw latch plates and the A-frame.

NOTE: The A-frame latch, located at the rear/center of the A-frame, should be raised up to insert the draw latch mount pin. Pull the A-frame latch pull pin out and rotate the latch counterclockwise if it is locked into position.

Secure the assembly to the A-frame by replacing the draw latch mount pin, spacer and cotter pin. Reset the A-frame latch so the A-frame latch pin locks into place.



10. Assemble the manifold. The manifold, pump and coil harness have been connected at the factory; however, the manifold contains several components that you will need to install prior to securing the assembly to the A-frame. Each of the hose ports on the manifold is covered with stretch wrap. Remove the wrap and install the appropriate fitting in its respective port. Tighten fittings and hoses per torque chart.



NOTE: The arrows shown on the manifold illustration indicate the direction the 90° adapters should be positioned to receive the hydraulic hoses.

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 hydraulic pump and manifold cover. 11. Align the mount holes in the pump with the holes in the hinged bracket, located on the A-frame.

### NOTE: Before mounting the pump, angle the hinged bracket as needed and tighten the bracket hardware to lock it in place.

Secure with 3/8" x 3/4" cap screw and 3/8" flat washer through the top mount hole in the bracket and into the pump. Insert 3/8" x 1-3/4" threaded stud with 3/8" locknut through the bottom mount hole in the bracket and into the pump. The threaded stud should bottom out in the pump.

NOTE: When installing the manifold between the mount brackets on the A-frame, 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.

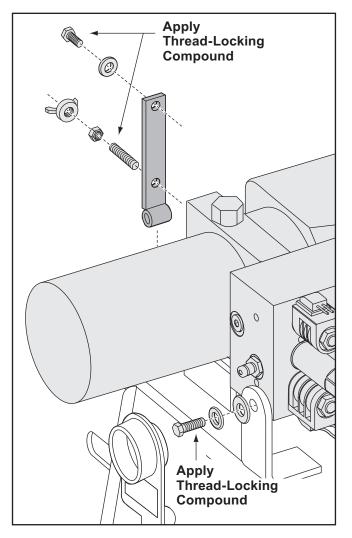
NOTE: A medium strength thread-locking compound should be used on both of the pump mount fasteners.

 Connect the hydraulic hoses to their respective adapters on the manifold. Hose PN B60091 or B60223 Ports #1 and #2, Hose PN B60273 Port #3, Hose PN B60274 Port #4, Hose PN B60224 Ports #7 and #10, Hose PN B60224 Ports #8 and #9. Tighten hoses per torque chart.

NOTE: All hoses, except #1 and #2 (angle cylinders) should be routed through the triangular openings in the A-frame. Position these hoses over the A-frame angle and to their respective manifold ports.

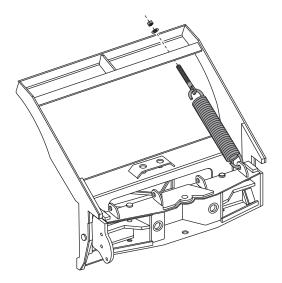


NOTE: The positions for the rod- and base-end slide box hoses. The hoses that operate the retract functions (rod) of the cylinders are closest to the base of each cylinder. The hoses that operate the extend functions (base) of the cylinders are closest to the rod of each cylinder. 13. Secure the manifold to the A-frame. Remove the washers, split lock washers and cap screws from the manifold and align the mount holes with the A-frame brackets. Properly replace and tighten all hardware.

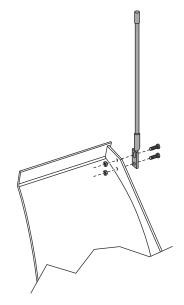


NOTE: A medium strength thread-locking compound should be used to secure the manifold mount fasteners.

14. 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 third and fourth coils on the spring.

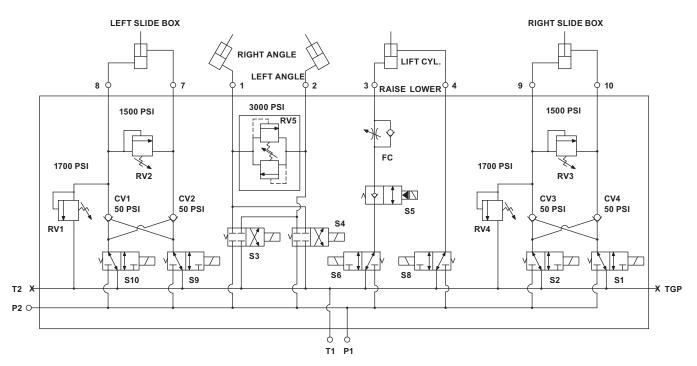


15. Install the blade guides at each end of the moldboard. Insert the cap screw through the holes at the top of the wing reinforcement rib. Tighten all screws with locknuts.



**ELECTRICAL SCHEMATIC** 

### HYDRAULIC SCHEMATIC



Models 810 & 8611		HYDRAULIC HOSES
If being used with auxiliary hydraulics, recommended for systems	Port	Function
having a flow rated at 4–30 gallons per minute (gpm) and a maximum pressure rating of 3,000psi.	1 2 3 4 7 8 9 10	Angle Right – Driver-Side Cylinder Angle Left – Passenger-Side Cylinder Raise – Lift Cylinder (Base) Lower – Lift Cylinder (Rod) Driver-Side Slide Box Retract Driver-Side Slide Box Extend Passenger-Side Slide Box Retract
	R	ELIEF & CHECK VALVES
	Valve	Function
	RV1 RV2 RV3 RV4 RV5 CV1 CV2 CV3 CV4	Driver-Side Wing Pressure Relief Driver-Side Wing Anti-Cavitation Passenger-Side Wing Anti-Cavitation Passenger-Side Wing Pressure Relief Angle Relief Driver-Side Wing Check Valve Driver-Side Slide Box Check Valve Passenger-Side Wing Check Valve
Pressure Gauge Clockwise – Decrease Snowplow Drop Speed Quick Connect Counterclockwise – Increase Snowplow Drop Speed		BLE FLOW CONTROL VALVE
	Valve	Function
	FC	Snowplow Drop Speed Adjustment
	NOTE: Energiz S1 S2 S3 S4 S5 S6 S5 & S8 S9 S10	e the following solenoids for the functions: Passenger-Side Slide Box Retract Passenger-Side Slide Box Extend Angle Left – Passenger-Side Cylinder Angle Right – Driver-Side Cylinder Float Raise – Lift Cylinder (Base) Lower – Lift Cylinder (Rod) Driver-Side Slide Box Retract Driver-Side Slide Box Extend
NOTE: Check valves CV1 & CV3 are not illustrated. Both valves are located on the opposite side of the manifold in the diagram shown above.		BILLE STATES BESSION

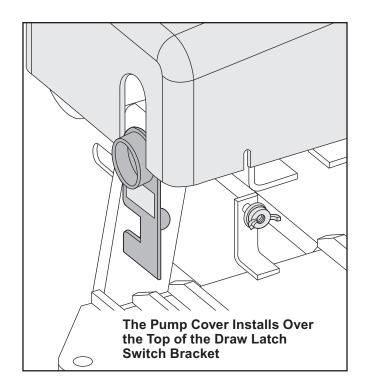
- Connect the red power wire from the snowplow harness to the pump motor terminal stud. Hardware provided on pump.
- Place the 3/8" lock washer, the black ground wire (from the harness) and the red ground wire on the coil harness (from the manifold) over the tapped hole on the pump and secure with 3/8" x 3/4" screw.
- Remove the nut and washer from the POWER HITCH<sup>™</sup> connect/disconnect toggle switch and insert it through the back of the mounting bracket on the A-frame. Align the notches on the switch and bracket. Replace the washer and nut and tighten until the switch is firmly in place. Attach the connector on the snowplow harness to the switch.

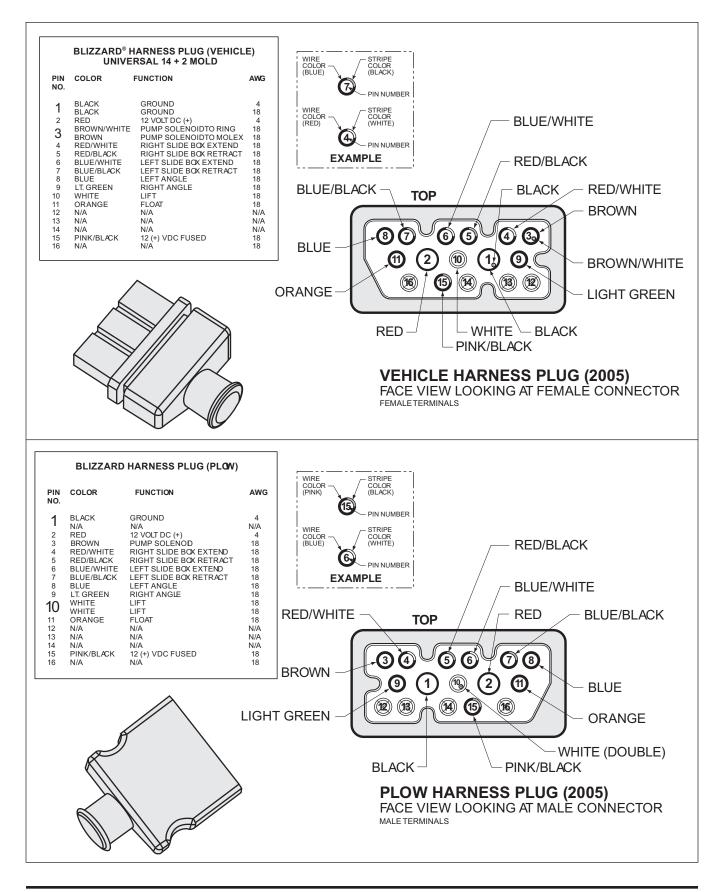
# NOTE: Use caution when connecting, switches can break if done forcefully.

- 4. Attach the connector on the harness to the connector on the coil harness.
- 5. Position the harness braid in the notch on the switch bracket and secure it with a cable tie.

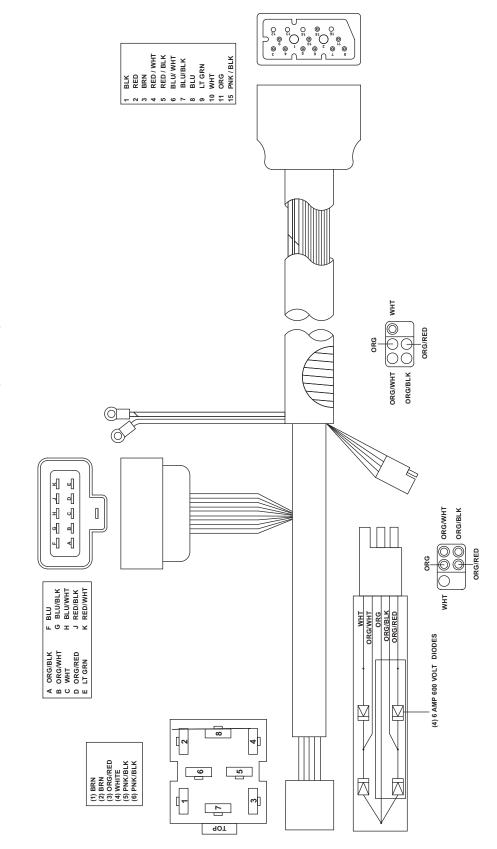
# NOTE: The diode loop harness should be inside of the pump cover.

 Install the pump and manifold cover by aligning the notches in the cover with the welded bolts on the A-frame brackets. Secure with clamping knob. Verify the cover is positioned over the protective toggle switch hood. Pop the front of the cover on the threaded stud and secure it with the remaining knob.

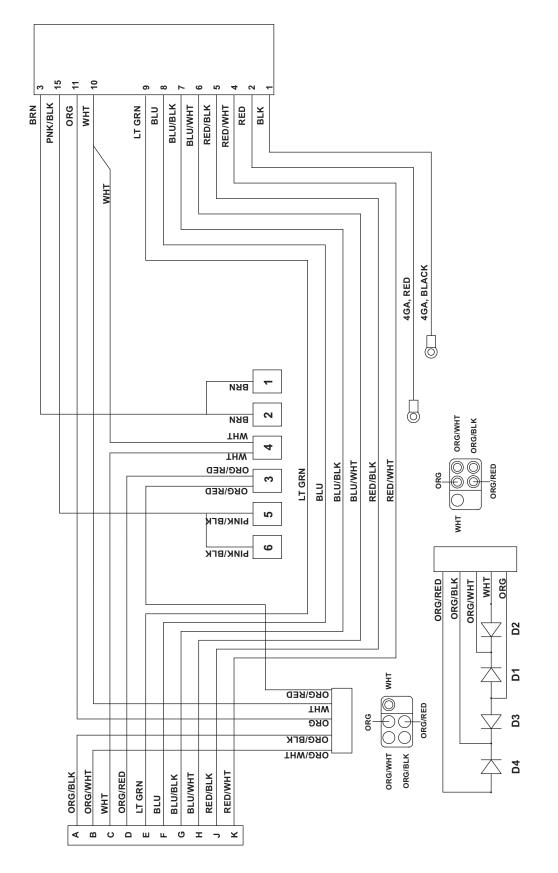




### **ELECTRICAL SCHEMATICS – SNOWPLOW SIDE**



PLOW HARNESS (B62039)



# PLOW WIRE HARNESS SCHEMATIC (B62039)

### 

Before drilling any holes, check the selected area for wires, hoses or other obstructions.

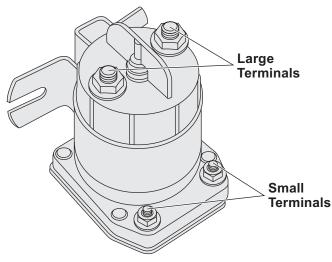
 With the large plug on the electrical harness placed near the tow hook, under the bumper, route the harness over the driver-side fender well and to the fire wall. Insert the connector end of the harness through an existing hole in the fire wall and into the vehicle cab. If an access hole does not exist, drill an appropriately sized hole through the fire wall in a convenient location away from sharp edges and hot or moving parts.

NOTE: Keep the snowplow plug and vehicle connector pins lubricated with a liberal amount of dielectric grease. Always replace the protective weather caps when the snowplow is disconnected from the vehicle.

 Attach the power contactor (solenoid) to the driver-side wheel well or engine fan guard using #12 x 3/4" self-drilling screws.

# NOTE: Some model vehicles provide mounting locations for accessory components.

Always mount the solenoid with the terminals facing up, for extended solenoid life. Connect the 24" black ground wire to either small terminal on the solenoid and attach the opposite end to the vehicle with a self-drilling screw. Cut the brown/white pump activation wire on the harness to length. Strip the end of the harness, and crimp



the eyelet terminal onto it. Attach the eyelet to the remaining small terminal on the contactor. Secure it with the hardware provided on the solenoid.

NOTE: Do not fasten the harness to areas that come in contact with moving engine parts or possess extreme heat. The harness could become tangled and/or melt causing electrical failure and vehicle damage.

 Connect the vehicle harness ground wire to the NEGATIVE (-) terminal on the vehicle's battery. Cut the plain wire to length, and strip the end of the wire. Crimp and solder a 3/8" ring terminal on the wire.

# NOTE: The harness should be secured to the vehicle prior to taking the necessary measurement.

Measure the distance needed for the power wire to reach the solenoid. Strip the wire, then crimp and solder an end ring terminal to it. Connect the power wire to either large terminal on the solenoid.

- Strip both ends of the remaining length of red wire, then attach and solder an end ring terminal to both. Connect one end of the wire to the open terminal on the solenoid and the remaining end to the POSITIVE (+) terminal on the battery.
- 5. Position the main lighting harness with both of the truck headlamp connectors near each truck headlamp and the snowplow headlamp connectors near the grille of the vehicle.
- 6. Plug the headlamp ground/relay connector from the vehicle harness into the connector on the main lighting harness. Securely mount the relay receptacles to the vehicle with the terminal wires facing down and the relays facing up. Installing the relays in this position will allow moisture to drain from the relay.

- 7. Remove the front signal lamp assembly from both sides of the vehicle. On the driver's side, feed the violet (turn lamp) and gray (run lamp) wires from the main lighting harness through the opening in the signal lamp housing. Use a test light or ohmmeter to determine the proper wires in the vehicle's electrical system to splice into. Position one end of the turn or run lamp wire into the splice lock connector, and attach the vehicle wire into the opposite side. Complete the splice by pinching both wires together and locking the connector. Repeat the splice procedure for the remaining wire.
- 8. Repeat Step 7 for passenger's side using the pink (turn lamp) and gray (run lamp) wires.
- 9. Connect the vehicle headlamps to the main lighting harness using a headlamp conversion harness kit. Due to differences in the construction of the kits, and the various make and model vehicles BLIZZARD<sup>®</sup> snowplows are installed on, a headlamp conversion kit is not packaged with your snowplow. Contact your local BLIZZARD outlet to obtain the appropriate conversion harness kit for your vehicle.
- 10. Secure the braided harness to the vehicle. Safely route all harness lengths around the engine components and attach them to the vehicle with cable ties. Extend the snowplow headlamp connectors, from the main lighting harness, through the grille of the vehicle and position the harness power plug and weather cap near the bumper. Cable tie the plug to the vehicle bumper or tow hook to keep the harness from hanging too low.
- Install the remainder of the vehicle wire harness to the interior of the cab. Connect the power wire (with 15 amp fuse) to a switched power source with a minimum of 15 amps.

NOTE: The red power wire MUST be fused and switched ON and OFF with ignition.

Secure all loose wires under the dash.

- 12. Install the light tower. Position the arms into the receiving pockets located on the undercarriage. Each pocket has a lock pin that secures both light tower arms. Pull out and twist each handle to temporarily unlock the pins. Place the light tower into the pockets and re-lock the pins. See your local BLIZZARD outlet for complete installation instructions for your vehicle undercarriage.
- Install the snowplow headlamps. Align one headlamp stud on the light tower tube with the mounting hole and insert the threaded stud through each. Secure the headlamp with one 1/2" galvanized washer (neoprene facing up), one 7/16" lock washer and locknut.

# NOTE: All snowplows are shipped with two caps that install on the ends of the light tower.

After adding a liberal amount of dielectric grease, connect the terminals from the snowplow headlamps to the terminals on the main lighting harness.

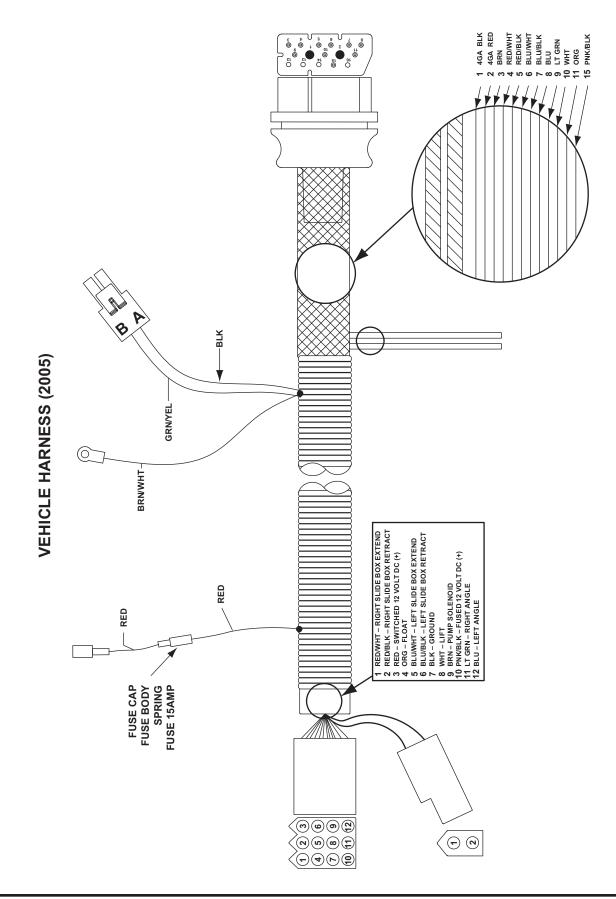
14. Position the rocker switch/joystick control station on the front radius of the seat. Wrap the hook-and-loop fastener strap around the bench, through the 2" D-ring and fasten. Connect the white power connector from the vehicle wire harness to the connector on the control station. The power switch should be in the "MIDDLE" or "OFF" position.

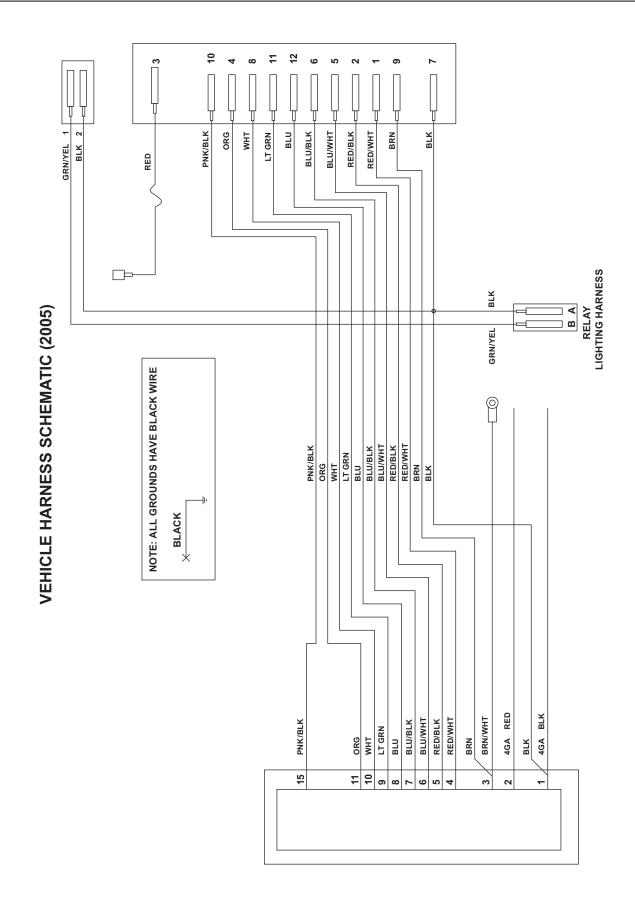
NOTE: The operation of the draw latch can only be controlled when the POWER switch is located in the POWER HITCH™ ("UP") position and the RAISE/LOWER rocker switch on the A-frame is in the "NEUTRAL" or "CENTER" position.

15. After completing the mechanical and electrical installations, test all snowplow and lighting functions before attempting to drive or plow.



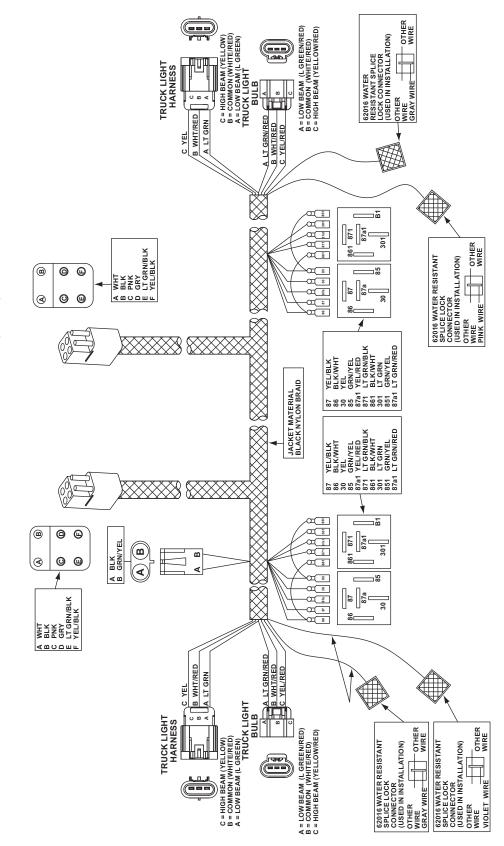
### **ELECTRICAL SCHEMATICS – VEHICLE SIDE**





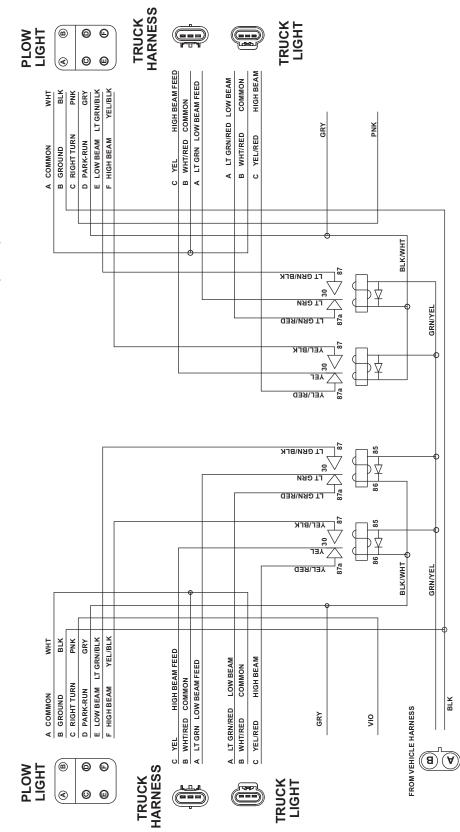
### **ELECTRICAL SCHEMATICS – VEHICLE SIDE**





MAIN LIGHTING HARNESS (2005)

### **ELECTRICAL SCHEMATICS – VEHICLE SIDE**



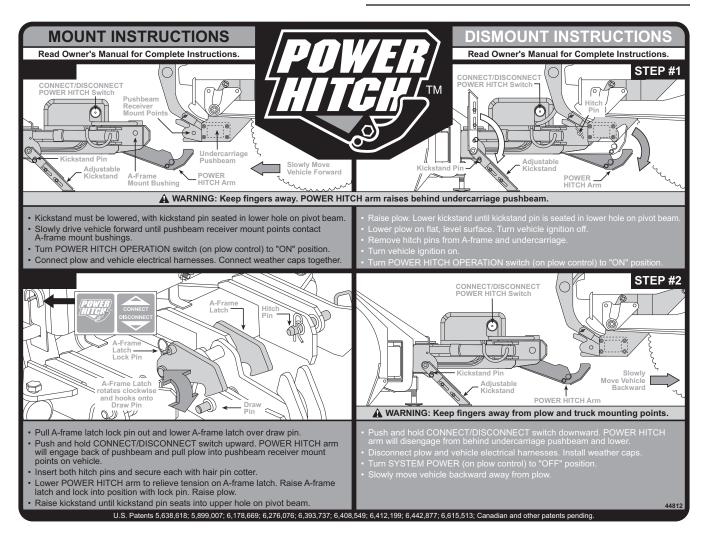
MAIN LIGHTING HARNESS SCHEMATIC (2005)

Lit. No. 68251, Rev. 05

March 1, 2009

Prior to operating your POWER PLOW<sup>®</sup> 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.



 Fill the hydraulic pump reservoir with BLIZZARD<sup>®</sup> Rapid Action Hydraulic Fluid until it is approximately 3/4" from the top of the tank. Replace the cap on the reservoir. Remove the weather caps from each of the snowplow and vehicle harnesses and connect the plugs. Start the vehicle and turn the power switch on the control station in the cab to the "ON" position.



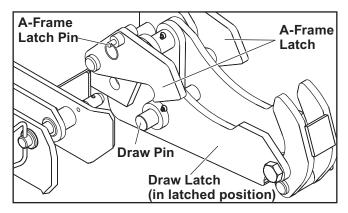
### **A** WARNING

You can die or be seriously injured. Keep hands and feet away from hitch mechanism and snowplow blade when operating the POWER HITCH™ arm. The action of the arm moves the snowplow toward the vehicle and into position for proper attachment.

 To raise the POWER HITCH<sup>™</sup> arm on the snowplow, turn the power switch on the control station to the "UP" or "ON" position. Push and hold the toggle switch on the A-frame upward into the "CONNECT" position. Notice the action of the fluid in the reservoir. By activating the initial hydraulic function, the fluid begins to fill the system. Push and hold the toggle switch in the "DISCONNECT" position, the POWER HITCH arm will lower. Refill the reservoir until the fluid is approximately 3/4" from the top of the tank.  Align the POWER HITCH arm on the A-frame below the pushbeam, with the receiver plates in line with the receiver plates on the undercarriage. Pull out the A-frame latch pin and rotate the A-frame latch clockwise until the latch is resting on the draw pin. Move the snowplow in position by activating the POWER HITCH connect switch and release.

The POWER HITCH arm will rise until it hits the push beam and the draw latch fingers will pull the snowplow into the vehicle. The receiver plates on the snowplow and vehicle are now positively aligned. Insert the two hitch pins through the mounting holes on the A-frame and secure each with one hair pin cotter.

After the two hitch pins are inserted through the A-frame, lower the POWER HITCH arm using the toggle switch on the A-frame. Rotate the A-frame latch counterclockwise until the A-frame latch lock pin can be reinserted. Fully reinserting the A-frame latch lock pin will lock the A-frame latch in place for transport or plowing snow. (See below.)

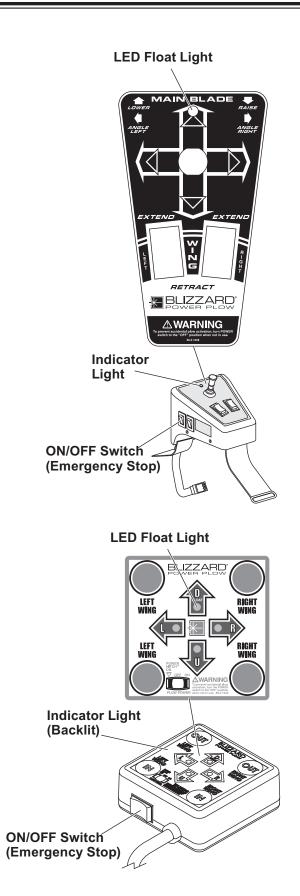


4. Return to the interior of the vehicle. Test the remaining functions of the snowplow. The system power on the control should be in the "ON" position. Raise the snowplow to its maximum height by pulling the joystick back (or down) or pressing the U button on the touchpad. Initiate the driver-side wing by pushing and holding the LEFT WING EXTEND rocker switch on the joystick or LEFT WING OUT button on the touchpad until the wing pivots forward. Notice the staggered pace the wing extends. The hydraulic fluid is filling the hose and replacing the air in the system. Push and hold the LEFT WING RETRACT rocker switch on the joystick or LEFT WING IN button on the touchpad to return the wing. Continue testing the remaining rocker switch/button functions. To lower the snowplow to the ground, push the joystick ahead (or up) or push the D button on the touchpad.

NOTE: The FLOAT function is activated when the joystick is pushed ahead (or up) into the "LOWER" position or the D button is pressed on the touchpad and held there for an additional .5 seconds after the blade contacts the ground. The LED float light will come ON when the snowplow is in FLOAT mode.

Initiate the passenger-side wing by pushing and holding the RIGHT WING EXTEND rocker switch on the joystick or the RIGHT WING OUT button on the touchpad until the wing pivots forward. Push and hold the RIGHT WING RETRACT rocker switch on the joystick or the RIGHT WING IN button on the touchpad to return the wing. **With both wings retracted**, check the fluid level in the reservoir and fill to 3/4" from the top of the tank if needed.

- 5. Check for fluid leaks around the manifold, pump, hydraulic hoses and all cylinders. If there are any leaks, turn OFF the power switch on the control and shut OFF the vehicle engine. Then, tighten any loose connections and/or fittings. Restart the vehicle, cycle all blade controls, then check to see if all the leaks have been stopped after shutting OFF the control power switch and shutting down the vehicle.
- 6. Check that the vehicle and snowplow headlamps are in proper working condition including the turn signals.

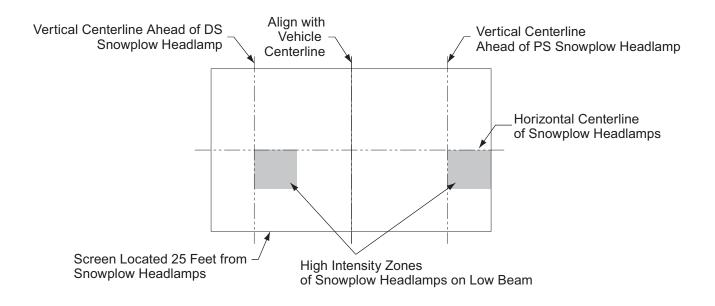


32

Fully tighten headlamp fasteners once correct visual aim is achieved.

- 1. Place vehicle on a level surface 25 feet in front of a matte-white screen, such as a garage door. The screen should be perpendicular both to the ground and to the vehicle centerline.
- The vehicle should be equipped for normal operation. The snowplow blade should be in place and in raised position. Below are steps listed by the Society of Automotive Engineers (SAE) pertinent to headlamp aiming in specification #SAE J599d.
- 3. Prepare vehicle for headlamp aim or inspection. Before checking headlamp aim, the inspector will:
  - a. Remove ice or mud from under fenders.
  - b. Set tire inflation pressures to the values specified on vehicle information label.
  - c. Check springs for sag or broken leaves.
  - d. See that there is no load in the vehicle other than the driver and ballast as specified in the Undercarriage Selection Guide.

- e. Check functioning of any automatic vehicle leveling systems and specific manufacturer's instructions pertaining to vehicle preparation for headlamp aiming.
- f. Clean lenses.
- g. Check for bulb burnout and proper beam switching.
- h. Stabilize suspension by rocking vehicle sideways.
- 4. Mark (or tape) the vertical centerline of the snowplow headlamps and the vertical centerline of the vehicle on the screen. Mark the horizontal centerline of the snowplow headlamps on the screen (distance from ground to snowplow headlamp centers).
- 5. Align the top edge of the high intensity zone of the snowplow lower beam below the horizontal centerline and the left edge of the high intensity zone on the vertical centerline for each snowplow headlamp. (Refer to diagram below.)



### MAINTENANCE

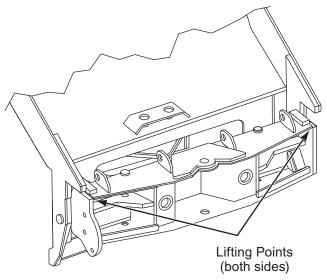
Maintenance	Periodically	Yearly
Check fasteners for tightness. Torque to specifications.	Х	
Check hoses for wear and leaks.	Х	
Check cylinders for leaks; inspect rod ends for corrosion and pitting.	Х	
Lubricate all exposed cylinder rod ends with liquid white lithium grease to prevent corrosion.		Х
Check 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.	x	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	
Remove and properly discard the fluid from the pump reservoir. Clean the pump filter and replace the hydraulic fluid to within 3/4" from the top of the reservoir. Changing the fluid annually will prolong the life of your pump and manifold. Never mix different types of hydraulic fluid.		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	
Clean snow and ice build-up from the pump and manifold cover.	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 pump reservoir. Prolonged storage could result in condensation build-up.
- 3. Follow the mounting procedure on the POWER HITCH™ label.
- 4. Initiate all of the functions. Monitor the fluid level in the reservoir and fill to 3/4" from the top of the tank as necessary.
- 5. Adjust the snowplow headlamps as needed.

### 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.



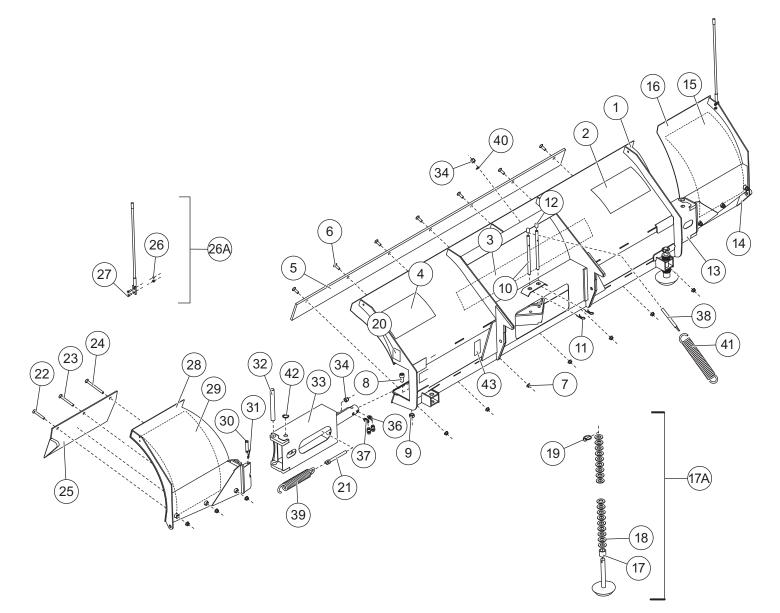
Part	Specification	810-1
	Length	96" (8')
Moldboard	Thickness	12 ga
	Height	31"
	Reinforcement	4 Ribs @ 1/4"
	Cutting Edge	1/2" x 6"
	Finish	Powder Coat White
	Trip Mechanism	(4) 3/8" Hooked Extension
	Length	12"
	Thickness	11 ga
\\/ingro	Height	31"
Wings	Reinforcement	1 Rib @ 1/4"
	Cutting Edge	1/4" x 10" T1
	Finish	Powder Coat White
	Material	Rectangular Tube and Channel Type
A-Frame	Hitch Pins	3/4" x 6" Yellow Zinc
	Finish	Powder Coat Black
	Construction	Steel Housing w/Clear Plastic Tank
	Туре	Internal Gear Pump
	Size	2.5 cc
Duran	Motor	12V Starter
Pump	Weight	32 lb
	Mount	A-frame Install w/Hex Cap Screws
	Reservoir Capacity	2 qt
	Controls	Toggle and Rocker Switch/Joystick or Touchpad
Manifold	Construction	Red Anodized Aluminum
Ivianiioiu	Valves	Electro-Hydraulic Cartridge
	Angle Cylinders	2
	Stroke	10"
	Ram Diameter	1-3/4"
	Bore Diameter	2"
	Raise/Lower Cylinders	1
Cylinders	Stroke	4-5/8"
Cylinders	Ram Diameter	1-1/4"
	Bore Diameter	3"
	Slide Box Cylinders	2
	Stroke	13-15/16"
	Ram Diameter	1"
	Bore Diameter	1-1/2"
	Туре	Low Profile w/Turn Signals
Snowplow	Measurements	12"W x 5"H x 5-1/4"D
Headlamps	Housing	Plastic Composite
ricadiamps	Bulb Type	High/Low Sealed Beam Halogen 12V Rectangular
	Switch Type	Integrated ON/OFF Control Station Switch
	Weight*	964 lb
Snowplow Specs	Amperage Draw**	155A
	Compact Width	96" (8')
	WIDE PASS™ Width	120" (10')
	BUCKET BLADE™ Width	111"(9'-3")
	Adjustable Plow Shoes	(2) Heavy-Duty Cast Steel
	Mount Mechanism	Hydraulic Power Switch
	Control Station	Rocker Switch/Joystick or Touchpad
* Weig	ht does not include undercarriag	

\*\* Amperage Draw specifications are based on snowplow lift operation, at a shop temperature of 65°F, using BLIZZARD<sup>®</sup> Rapid Action Hydraulic Fluid. Amperage will vary with temperature, fluid viscosity and meter accuracy. Deadheading a plow function will result in significantly increased amperage.

Problem	Cause	Solution
	Snowplow harness may not be properly connected to the vehicle harness.	Verify the harnesses are properly connected.
Pump will not run.	Power or ground cables to the battery, pump or solenoid may not be properly connected.	Properly connect all cables. Clean and lubricate with dielectric grease. If power does not resume, check the continuity of all cables to find the break.
Pump will not run, power to the solenoid.	The black ground wire and brown/white activation wire on the solenoid are not properly connected.	Properly connect both cables. Test for power by initiating any joystick function except "FLOAT". NOTE: The POWER rocker switch must be in the "ON" position to properly test any snowplow function. If the solenoid is grounded and no power exists, diagnose the snowplow and truck harnesses.
Pump will not run with power to the solenoid. Brown/white activation wire and ground are properly connected.	The red, hot wire to the pump motor is not properly connected.	Connect red wire and check the black ground wire. If problem is not resolved, the solenoid could be inoperable or the pump motor may be worn. Replace the solenoid if there is no power to the pump. Replace the pump motor if it is receiving power.
Pump will not turn OFF. Do not allow the pump motor to run continuously. Unplug the harness	Solenoid may be damaged.	Disconnect the brown/white activation wire from the solenoid. If the problem is not resolved, replace the solenoid.
until the solenoid can be tested or a BLIZZARD <sup>®</sup> outlet can diagnose the problem.	Short in the control or wire harness.	Disconnect the control in the cab. If the pump turns OFF, there is a short in the electrical system.
	Fluid level in the pump reservoir is low. Fluid is leaking.	Add fluid to within 3/4" from the top of the tank. Check for leaks around the pump, manifold and cylinders.
Pump runs but snowplow functions are slow.	System pressure may be set too low. Increasing the pressure excessively will increase the amperage draw. This could damage the vehicle harness.	Adjust the pressure. Remove the hex cap on top of the pump and turn the screw clockwise. Proper system pressure should be set at 2400 psi. Test functions and repeat procedure as needed.
	Amperage from the vehicle's alternator is too low. Pump filter may be clogged.	Repair or replace vehicle alternator. System amperage draw is 155A at 1500 psi. Remove the pump tank and thoroughly clean the
	· · · · · · · · · · · · · · · · · · ·	filter.
A-frame latch will not move.	Draw latch is binding the A-frame latch.	Lower the draw latch to relieve binding on the A-frame latch and reposition the A-frame latch as needed.
	Control station in the cab may not be properly connected.	Connect the power connector from the control to the vehicle harness.
	A-frame latch is in the (down) locked position. Diode loop harness may be	Lift the A-frame latch into the raised position. Clean diode loop harness thoroughly and/or replace.
Snowplow will not lift. Pump works properly.	corroded or could have failed. Coils on the manifold may be damaged.	Remove the S6 coil from the cartridge valve. Position a screwdriver inside of the coil and push the draw latch connect/disconnect toggle switch upward. The screwdriver should be magnetically drawn to the coil. Replace the coil if there is no action.
Snowplow will not lift with magnification to the S6 coil.	Hydraulic lock in the manifold. This occurs if the voltage is too low on the coils–should be 10 volts.	Loosen cartridge valve S6 to relieve pressure and retighten. DO NOT OVERTIGHTEN! Valves should be torqued to a maximum of 24 ft-lb.
	Solenoid cartridge valve may be contaminated.	Remove any foreign objects that may be obstructing proper valve operation. Replace if not operating properly after cleaning.

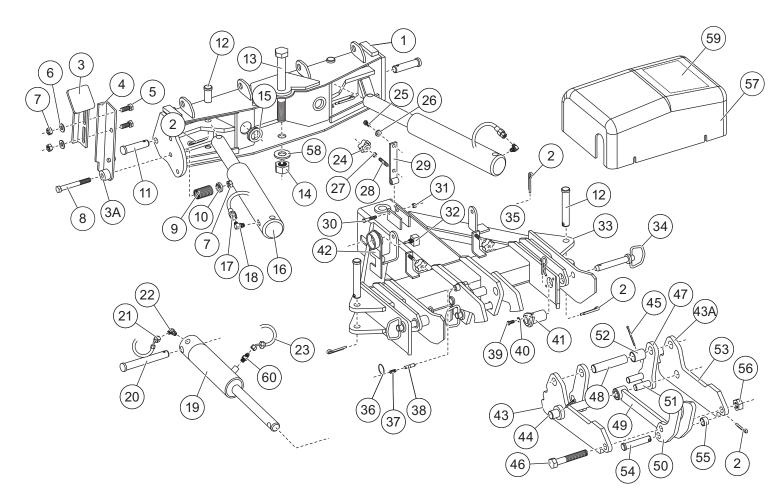
## TROUBLESHOOTING

Problem	Cause	Solution
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> 3000 psi.	Check the pressure relief by testing the valve in-line with the cylinder. Attach a tee fitting to the angle cylinder hydraulic adapter and connect the hose and pressure gauge to the tee. <i>NOTE: The setting</i> <i>should not exceed 3000 psi.</i>
Snowplow will not angle, pump works.	Review all probable causes above.	NOTE: Verify coils S3 and S4 for angle functions.
Wing 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> 1700 psi.	Test the wing pressure relief. Attach a fluid psi gauge to the quick connect fitting on the manifold. The pressure relief should not be greater than 1700 psi.
	Control station, harness or cables may be loose or improperly connected.	Verify control station, harness and all cables are securely connected. Clean if necessary.
	Hydraulic lock in the manifold has occurred.	Loosen cartridge valves S9 and S10 or S1 and S2 to relieve pressure and retighten. DO NOT OVERTIGHTEN! Valves should be torqued to a maximum of 24 ft-lb.
Wing will not move, pump works.	No power to the coils.	Verify coils S1 and S2 (passenger-side slide box retract and extend) and S9 and S10 (driver- side slide box retract and extend) are grounded, connected properly and receiving power. If no power is available, diagnose the harness. Review the harness schematics. If power is present, review the next step.
	Coils are receiving power.	Verify 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 lowers too slowly.	Variable flow control valve is not adjusted properly.	WARNING: Snowplow can fall suddenly. You can die or be seriously injured. Drop snowplow to ground before adjusting flow control. Turn flow control valve counterclockwise in small increments and test.
	Review all probable causes for snowplow will not lift.	Verify S5 coil (float) or S5 and S8 coils (disconnect) for magnetism.
Snowplow drops sporadically.	Variable flow control valve is opened too far.	WARNING: Snowplow can fall suddenly. You can die or be seriously injured. Drop snowplow to ground before adjusting flow control. Turn clockwise 1/16 turn and test.
Headlamps will not switch from the vehicle to the snowplow.	No power or ground to the headlamp relay.	Verify the headlamp/ground relay connector is connected. If the connector is properly attached replace the headlamp relay(s).



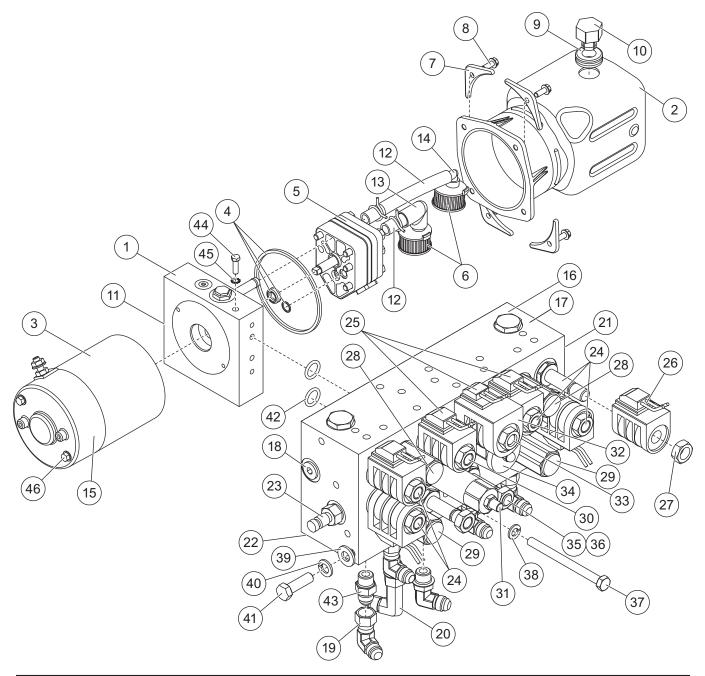
Item	Part	Qty	Description	
1	B52074-1	1	Moldboard	
ns	96281	1	Service Moldboard Assy (Incl. Items 2, 3, 5–15, 17–25, 29–35, 39, 43, 95961, 95618 [2], 40714, 40715, 40716, 48208, 61536 [2], 95853 [6], 62263 [2], 56581, 60217 [2])	
2	59900	1	Label – Information (Warning)	
3	B63160	1	Label – POWER PLOW <sup>®</sup> Center	
4	44812	1	Label – POWER HITCH™ Attach/Detach	
5	B61292	1	1/2" Moldboard Cutting Edge	
6	B61196	7	1/2-13 x 1-1/2 Carriage Bolt G8	
7	B61365	13	1/2-13 Flanged Locknut	
8	B61618	2	3/4-10 x 1-1/2 Hex Cap Screw	
9	B61593	2	3/4-10 Hex Locknut	
10	B11989	2	Slide Box Extend/Retract Pin	
		G	= Grade ns = not shown	

Item	Part	Qty	Description	
11	B61030	2	1/8 x 2-5/8 Hair Cotter Pin	
12	B61198	2	5/8 ID, 3/4 OD x 1 Black Vinyl Cap	
13	B55066	1	Slide Box – PS	
14	B51047	1	Wing Cutting Edge – PS	
15	96326	1	Wing Decal – PS	
16	40740	1	Wing – PS	
17A	49071	2	HD Disc Shoe Assy	
17	60045	2	1-1/8 ID, 1-5/8 OD x 1-1/2 Spacer	
18	91192	44	1" Flat Washer	
19	93010	2	7/16 x 1-3/4 Linchpin	
20	29593	2	Label – Multiple Pinch Points	
21	B61201	2	5/8-11 x 4-3/8 Spade Bolt	
22	B61418	2	1/2-13 x 3-1/2 Carriage Bolt G8	
23	B61419	2	1/2-13 x 4-1/2 Carriage Bolt G8	
24	B61622	2	1/2-13 x 5-3/4 Carriage Bolt G8	
25	B51048	1	Wing Cutting Edge – DS	
26A	B61049	1	Plow Guide Assembly (Set of 2)	
26	68494	4	5/16-18 x 1 Hex Cap Screw G5	
27	91332	4	5/16-18 Hex Locknut	
28	40739	1	Wing – DS	
29	96325	1	Wing Decal – DS	
30	B61385	2	5/8 x 3 Clevis Pin	
31	90601	2	1/4 x 1-1/2 Cotter Pin	
32	B55042	2	Wing Pivot Pin	
33	B55065	1	Slide Box – DS	
34	91337	6	5/8-11 Hex Locknut Type NE	
35	B60347	2	Slide Box Extend/Retract Hydraulic Cylinder	
36	B60272	2	9/16-18 45° Adjustable Elbow Hydraulic Adapter ORB	
37	B60224	4	3/8 x 36 Slide Box Extend/Retract Hydraulic Hose	
38	B61416	4	5/8-11 x 7-3/8 Spade Bolt G8	
39	B61167	2	3/8 x 2-5/8 x 12-1/2 Extension Spring	
40	90576	4	5/8 Hardened Washer	
41	23039	4	Trip Spring	
42	B61425	2	2-51/64 OD, 2-9/32 ID x 1/2 Black Polyethylene Plug	
43	29256	1	Label – Foot Crush Hazard	
		G	= Grade	ns = not shown



Item	Part	Qty	Description	
1	B52151	1	Pivot Beam	
2	90601	8	1/4 x 1-1/2 Cotter Pin	
3A	B41039	1	Kickstand Assembly (Incl. Item 3–10)	
3	B41047	1	Kickstand Foot	
4	B41038	1	Kickstand Leg	
5	90665	2	1/2-13 x 1-1/4 Hex Cap Screw G8	
6	90572	2	1/2 Flat Hardened Washer	
7	90593	3	1/2-13 Hex Locknut GC Distorted Thread	
8	42009	1	1/2-13 x 4-1/2 Hex Cap Screw G8	
9	B61293	1	1-1/8 OD x 53/64 ID x 2 Compression Spring	
10	B41037	1	3/8 x 1-1/8 OD x 35/64 Stepped Bushing	
11	B50069	2	3/4 x 3 Clevis Pin	
12	95739	4	3/4 x 5 Clevis Pin	
13	B61330	1	1-8 x 9 Hex Cap Screw G8	
14	B61008	1	1-8 Top Locknut GC Distorted Thread	
15	B61217	4	1-1/2 ID, 2-1/8 OD Black Rubber, 60 Durometer Gromm	net
16	B60029	2	Plow Angle Hydraulic Cylinder	
		G	= Grade	SS = Stainless Steel

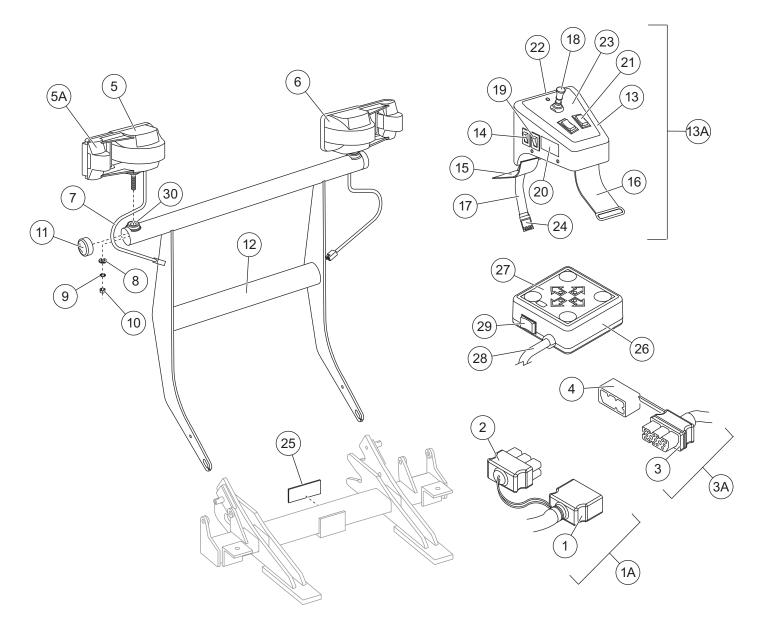
17     B60091     2     3/8 × 24 Plow Angle Hydraulic Hose       18     56590     2     9/16-18 90° Adjustable Elbow Hydraulic Cylinder       20     B40124     1     3/4 × 6 Clevis Pin       21     B60255     1     Plow Raise/Lower Hydraulic Cylinder       22     B60271     1     Straight/45°, 3/8 × 17 – Raise/Lower, Extend Hydraulic Hose       23     B60272     1     Straight/45°, 3/8 × 17 – Raise/Lower, Retract Hydraulic Hose       24     B61529     1     Straight/45°, 3/8 × 17 – Raise/Lower, Retract Hydraulic Hose       24     B61529     1     Straight/45°, 3/8 × 17 – Raise/Lower, Retract Hydraulic Hose       26     29233     1     3/8-16 Camping Knob SS     25       29097     2     3/8-16 Karping Knob SS     25       29133     1     3/8-16 Karping Knob SS     25       29097     2     3/8-16 Xarping Knob SS     25       29133     1     3/8-16 Xarping Knob SS     25       29133     1     3/8-16 Xarping Knob SS     25       2914     3/8 + 10 Xarbing Knob SS     25     26	Item	Part	Qty	Description
19     B60255     1     Plow Raise/Lower Hydraulic Cylinder       20     B40124     1     3/4 x 6 Clevis Plin       11     B60272     1     Straight/45', 3/8 x 17 - Raise/Lower, Extend Hydraulic Hose       22     B60272     1     Straight/45'', 3/8 x 15 - Raise/Lower, Retract Hydraulic Hose       23     B60274     1     Straight/45'', 3/8 x 15 - Raise/Lower, Retract Hydraulic Hose       24     B61628     3     3/8-16 Ka 3/4 Hex Cap Screw G8       26     29233     3     3/8 Washer Hardened       27     91333     1     3/8-16 x 2-1/8 Threaded Stud       29     B4004     1     Pump Mount Hinge       30     90043     1     3/8-16 x 2-1/8 Threaded Stud       29     B4004     1     Pump Mount Hinge       30     90043     1     3/8-16 x 2-1/8 Charact Study       38     B52152     1     A-Frame       38     B52152     1     A-Frame       38     B52152     1     A-Frame       38     B60079     1     3/8 40 A/4 A-Frame Latch Pin S <td>17</td> <td>B60091</td> <td>2</td> <td>3/8 x 24 Plow Angle Hydraulic Hose</td>	17	B60091	2	3/8 x 24 Plow Angle Hydraulic Hose
20   B40124   1   3/4 x 6 Clevis Pin     21   B60273   1   Straight/45", 3/8 x 17 – Raise/Lower, Extend Hydraulic Hose     22   B60274   1   Straight/45", 3/8 x 15 – Raise/Lower, Retract Hydraulic Hose     24   B61628   3   3/8-16 Clamping Knob SS     25   90097   2   3/8-16 x 24 Hex Cap Screw G8     26   22333   1   3/8-16 Hex Locknut G7     27   91331   1   3/8-16 Hex Locknut G7     28   B61629   1   3/8-16 x 24 Ke Cap Screw G8     31   B61634   1   3/8-16 x 24 Ke Cap Screw G8     31   B61034   1   3/8-16 x 24 Ke Cap Screw G8     31   B61034   1   3/8-16 x 24 Ke Cap Screw G8     31   B61034   1   3/8-16 x 24 Ke Cap Screw G8     34   B61426   2   3/4 x 6 Hich Pin     35   B6100   1   0.94 GAL x 0.36 OD x.029 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A -Frame Latch Pin SS     39   90671   2   5/16 Hardened Washer     11   B40408   2   A-Fra	18	56590	2	9/16-18 90° Adjustable Elbow Hydraulic Adapter ORB
21   B60273   1   Straight/45", 3/8 x 17 - Raise/Lower, Extend Hydraulic Hose     22   B60274   1   Straight/45", 3/8 x 17 - Raise/Lower, Retract Hydraulic Hose     24   B61628   3   3/8-16 Clamping Knob SS     25   90097   2   3/8-16 Clamping Knob SS     26   29233   3/8 Washer Hardened     27   91333   1   3/8-16 Hex Locknut G8 Topring     28   B61629   1   3/8-16 x 2-1/8 Threaded Stud     29   B40004   1   Pump Mount Hinge     30   90043   1   3/8-16 x 2-1/8 Threaded Stud     28   B6129   1   3/8-16 x 2-1/8 Threaded Stud     30   90043   1   3/8-16 x 2-1/8 Threaded Stud     29   B40004   1   Pump Mount Hinge     30   90043   1   3/8-16 y 2-1/8 concent Concent/Disconnect Toggle Switch     31   B61105   2   9/6 A x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 CO Standard Split Ring     37   B61000   1   9.4 A A x 0.3 CO X: 028 Wire Compression Spring SS     38   B40079   1	19	B60255	1	Plow Raise/Lower Hydraulic Cylinder
22     B60272     1     9/16-18 45° Adjustable Elbow Hydraulic Adapter ORB       23     B60274     1     Straight45°, 3/8 x 15 – Raise/Lower, Retract Hydraulic Hose       24     B61628     3/8-16 Clamping Knob SS     1       25     90097     2     3/8-16 Clamping Knob SS       26     29233     3     3/8-16 x 3/4 Hex Cap Screw G8       27     9133     1     3/8-16 kz 2-1/8 Threaded Stud       28     B61629     1     3/8-16 kz 2-1/8 Threaded Stud       29     B40004     1     Pump Mount Hinge       03     90043     1     3/8-16 Top Locknut GC       28     B61034     1     3/8-16 Top Locknut GC       38     B5125     1     A-Frame       34     B61426     2     3/4 x 6 Hitch Pin       36     B61005     1     1.25 OD Standard Split Ring       37     B61000     1     0.94 OAL x 0.36 OD x .029 Wire Compression Spring SS       38     B40079     1     3/8 x 1-3/4 A-Frame Latch Pin SS       9     9061     2     5/16-18 x 3/4 Hex Cap Screw G8 <td>20</td> <td>B40124</td> <td>1</td> <td>3/4 x 6 Clevis Pin</td>	20	B40124	1	3/4 x 6 Clevis Pin
23   B60274   1   Straight/45°, 3/8 x 15 - Raise/Lower, Retract Hydraulic Hose     24   B61628   3/8-16 Clamping Knob SS     25   9007   2   3/8-16 x 3/4 Hex Cap Screw G8     26   29233   3   3/8 Washer Hardened     27   9133   1   3/8-16 x 3/4 TA Threaded Stud     29   B40004   1   Pump Mount Hinge     30   9043   1   3/8-16 x 2/14 Threaded Stud     29   B40004   1   Pump Mount Hinge     30   9043   1   3/8-16 x 2/Locknut GC     31   B61105   1   3/8-16 X 2/Locknut GC     32   B62038   1   DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch     33   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61001   1   0.94 OAL x 0.36 OD x.029 Wire Compression Spring SS     38   B40079   1   3/8 + 7-Frame Latch Pin SS     39   90671   2   5/16-18 x3/4 Hex Cap Screw G8     41   B40088   A-Frame Pivot, Replaceable Bushing <td>21</td> <td>B60273</td> <td>1</td> <td>Straight/45°, 3/8 x 17 – Raise/Lower, Extend Hydraulic Hose</td>	21	B60273	1	Straight/45°, 3/8 x 17 – Raise/Lower, Extend Hydraulic Hose
24     B61628     3     3/8-16 Clamping Knob SS       25     90097     2     3/8-16 K 3/4 Hex Cap Screw G8       26     2223     3     3/8-16 Hex Locknut G8 Topring       27     91333     1     3/8-16 Hex Locknut G8 Topring       28     B61629     1     3/8-16 X 2-1/8 Threaded Stud       29     B40044     1     Pump Mount Hinge       30     90043     1     3/8-16 X 2-1/8 Threaded Stud       29     B40044     1     Pump Mount Hinge       30     90043     1     3/8-16 X 2-1/9 Threaded Stud       38     B52152     1     A-Frame       34     B61426     2     3/4 x 6 Hitch Pin       35     B61105     2     9/64 x 2-11/16 Hair Cotter Pin       36     B61309     1     1.25 OD Standard Split Ring       37     B61000     1     0.94 OAL x 0.36 OD x .029 Wire Compression Spring SS       38     B40079     1     3/4 8 x 1-3/4 A-Frame Latch Pin SS       39     90671     2     5/16-18 x 3/4 Hex Cap Screw G8       40	22	B60272	1	9/16-18 45° Adjustable Elbow Hydraulic Adapter ORB
25   90097   2   3/8-16 x 3/4 Hex Cap Screw G8     26   29233   3   3/8-16 Hex Locknut G8 Topring     28   B61629   1   3/8-16 Hex Locknut G8 Topring     29   B40004   1   Pump Mount Hinge     30   90043   1   3/8-16 Top Locknut GC     31   B61034   1   3/8-16 Top Locknut GC     32   B62038   1   DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch     33   B52152   1   A-Frame     44   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     35   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 OD Standard Split Ring     37   B61000   1   0.49 OAL X 0.36 OD X. 202 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43A   B40109   1   Draw La	23	B60274	1	Straight/45°, 3/8 x 15 – Raise/Lower, Retract Hydraulic Hose
26   29233   3   3/8 Washer Hardened     27   91333   1   3/8-16 Hex Locknut G8 Topring     28   B6129   1   StR-16 X-21/4 Threaded Stud     29   B40004   1   Pump Mount Hinge     30   90433   1   3/8-16 X-2 Hex Cap Screw G8     31   B61034   1   3/8-16 Top Locknut GC     2   B62038   1   DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch     33   B52152   1   A-Frame     34   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 OD Standard Split Ring     37   B61000   1   0.94 OAL x 0.36 OD x. 029 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16-18 x 3/4 Hex Cap Screw G8     40   B61412   5/16 Hardened Washer   A-Frame Pivot, Replaceable Bushing     41   B40080   1   Outer Draw Latch Assembly (Incl. Items 2, 43–56)     43   B40010   1   x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363 </td <td>24</td> <td>B61628</td> <td>3</td> <td>3/8-16 Clamping Knob SS</td>	24	B61628	3	3/8-16 Clamping Knob SS
27   91333   1   3/8-16 Hex Locknut G8 Topring     28   B61629   1   3/8-16 x 2-1/8 Threaded Stud     29   B40004   1   Pump Mount Hinge     30   90043   1   3/8-16 x 2 Hex Cap Screw G8     31   B61034   1   3/8-16 x 2 Hex Cap Screw G8     31   B61034   1   3/8-16 x 2 Hex Cap Screw G8     32   B62038   1   DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch     33   B52152   1   A-Frame     34   B61426   2   3/4 x 6 Hitch Pin     35   B61105   9/64 x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 OD Standard Split Ring     37   B61000   0.94 OAL x 0.36 OD x.029 Wire Compression Spring SS     38   B40079   3/8 x 1-3/4 A -Frame Latch Pin SS     39   90671   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     34A   B40109   1   tx 6-1/2 (13/64 Cotter Pin Hole) Draw Latch (	25	90097	2	3/8-16 x 3/4 Hex Cap Screw G8
28     B61629     1     3/8-16 x 2-1/8 Threaded Stud       29     B40004     1     Pump Mount Hinge       30     90043     1     3/8-16 x 2 Hex Cap Screw G8       31     B61034     1     3/8-16 Top Locknut GC       32     B62038     1     DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch       33     B52152     1     A-Frame       34     B61426     2     3/4 x 6 Hitch Pin       35     B61105     2     9/64 x 2-11/16 Hair Cotter Pin       36     B61309     1     1.25 OD Standard Split Ring       37     B61000     0.94 OAL x 0.36 OD x .029 Wire Compression Spring SS       38     B40079     1     3/8 x 1.3/4 A-Frame Latch Pin SS       39     90671     2     5/16-18 x 3/4 Hex Cap Screw G8       40     B61412     2     5/16 Hardened Washer       41     B40088     2     A-Frame Pivot, Replaceable Bushing       42     B6133     1     Draw Latch Assembly (Incl. Items 2, 43–56)       43     B40080     1     Outer Draw Latch Piate – DS	26	29233	3	3/8 Washer Hardened
29   B40004   1   Pump Mount Hinge     30   90043   1   3/8-16 x 2 Hex Cap Screw G8     31   B61034   1   3/8-16 Top Locknut GC     32   B62038   1   DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch     33   B52152   1   A-Frame     34   B61426   2   3/4 x 6 Hitch Pin     35   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61001   0.94 OAL x 0.36 OD x.029 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16-Ha x 3/4 Hex Cap Screw G8     40   B61412   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH <sup>TM</sup> Connect/Disconnect Switch (BLZ 1037)     43A   B40109   1   0 ter Draw Latch Plate – DS     44   B40110   1   x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61303   2   3/16 x 2-1/2 Cotter Pin     46   B61004   1   3/4	27	91333	1	3/8-16 Hex Locknut G8 Topring
30   90043   1   3/8-16 x 2 Hex Cap Screw G8     31   B61034   1   3/8-16 Top Locknut GC     32   B62038   1   DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch     33   B52152   1   A-Frame     34   B61426   2   3/4 x 6 Hitch Pin     35   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 OD Standard Split Ring     37   B61000   0.94 OAL x 0.36 OD x .029 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16-18 x 3/4 Hex Cap Screw G8     40   B61412   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43A   B40109   1   Draw Latch Plate – DS     44   B40110   1   x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/16 x 2-1/2 Cotter Pin     46   B40074   1	28	B61629	1	3/8-16 x 2-1/8 Threaded Stud
31   B61034   1   3/8-16 Top Locknut GC     32   B62038   1   DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch     33   B52152   1   A-Frame     34   B61105   2   3/4 x 6 Hitch Pin     35   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 OD Standard Split Ring     37   B61000   0.94 OAL x 0.36 OD x. 029 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43A   B40109   1   x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     44   B40110   1   x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/16 x 2-1/2 Cotter Pin Hole) Draw Pin     46   B61004   3/4-10 x 4-1/2 Hax Cap Screw G8     47   B40074   1   Inner Draw Latch Plate     48   B40070   1 <td>29</td> <td>B40004</td> <td>1</td> <td>Pump Mount Hinge</td>	29	B40004	1	Pump Mount Hinge
32   B62038   1   DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch     33   B52152   1   A-Frame     34   B61426   2   3/4 x 6 Hitch Pin     35   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 OD Standard Split Ring     37   B61000   1   0.94 OAL x 0.36 OD x 0.29 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43   B40080   1   Outer Draw Latch Assembly (Incl. Items 2, 43–56)     43   B40109   1   1 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     44   B40110   1   1 x 6-1/2 (Cotter Pin     45   B61303   2   3/16 x 2-1/2 Cotter Pin     46   B61004   3/14 t 0 x 4-1/2 Hax Cap Screw G8     47   B40074   1   Incer Draw Latch Plate     48   B40070	30	90043	1	3/8-16 x 2 Hex Cap Screw G8
33   B52152   1   A-Frame     34   B61426   2   3/4 x 6 Hitch Pin     35   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 OD Standard Split Ring     37   B61000   1   0.94 OAL x 0.36 OD x.029 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16-18 x 3/4 Hex Cap Screw G8     40   B61412   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43A   B40109   1   Draw Latch Assembly (Incl. Items 2, 43–56)     44   B40110   1   x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/4 6 x 2-1/2 Cotter Pin     46   B61004   1   3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40074   2   Inner Draw Latch Plate     48   B40070   1   x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114	31	B61034	1	3/8-16 Top Locknut GC
34   B61426   2 $3/4 \times 6$ Hitch Pin     35   B61105   2 $9/64 \times 2$ -11/16 Hair Cotter Pin     36   B61309   1 $1.25$ CD Standard Split Ring     37   B61000   1 $0.94$ OAL $\times 0.36$ OD $\times .029$ Wire Compression Spring SS     38   B40079   1 $3/8 \times 1.3/4$ A-Frame Latch Pin SS     39 $90671$ 2 $5/16 \cdot 18 \times 3/4$ Hex Cap Screw G8     40   B61412   2 $5/16$ Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH <sup>TM</sup> Connect/Disconnect Switch (BLZ 1037)     43   B40080   1   Outer Draw Latch Plate – DS     44   B40110   1 $1 \times 6.1/2$ (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2 $3/16 \times 2.1/2$ Cotter Pin     46   B61004   1 $3/4 \times 2.1/2$ Draw Latch Mount (to A-Frame) Pin     47   B40070   1 $1 \times 4.21/32$ Draw Latch Mount (to A-Frame) Pin     48   B40071   1 $1 \times 4.21/32$ Draw Latch Arm     50   B40123   1   Draw Latch Finger	32	B62038	1	DPDT, (ON)-OFF-(ON), Draw Latch Connect/Disconnect Toggle Switch
35   B61105   2   9/64 x 2-11/16 Hair Cotter Pin     36   B61309   1   1.25 OD Standard Split Ring     37   B61000   1   0.94 OAL x 0.36 OD x.029 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43   B40109   1   Draw Latch Assembly (Incl. Items 2, 43–56)     43   B40080   1   Outer Draw Latch Plate – DS     44   B40110   1   x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/16 x 2-1/2 Cotter Pin     46   B61004   1   3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40070   1   x 4-21/32 Draw Latch Mount (to A-Frame) Pin     48   B40070   1   x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   Draw Latch Finger   1     51   B40082   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin <	33	B52152	1	A-Frame
36B6130911.25 OD Standard Split Ring37B6100010.94 OAL x 0.36 OD x .029 Wire Compression Spring SS38B4007913/8 x 1-3/4 A-Frame Latch Pin SS399067125/16-18 x 3/4 Hex Cap Screw G840B6141225/16 Hardened Washer41B400882A-Frame Pivot, Replaceable Bushing42B612951Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)43AB401091Draw Latch Assembly (Incl. Items 2, 43–56)43B408081Outer Draw Latch Plate – DS44B401101x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin45B6136323/16 x 2-1/2 Cotter Pin Hole) Draw Pin46B6100413/4-10 x 4-1/2 Hex Cap Screw G847B400742Inner Draw Latch Plate48B4007011 x 4-21/32 Draw Latch Mount (to A-Frame) Pin49B40114Draw Latch Finger51B40082254B50071155B40116156B40116157B40116158B61203159B63100154B50071155B40116156B61006157B40119158B61203159B63100150B61203150B61203156B610061 <t< td=""><td>34</td><td>B61426</td><td>2</td><td>3/4 x 6 Hitch Pin</td></t<>	34	B61426	2	3/4 x 6 Hitch Pin
37   B61000   1   0.94 OAL x 0.36 OD x .029 Wire Compression Spring SS     38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16-18 x 3/4 Hex Cap Screw G8     40   B61412   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43A   B40109   1   Draw Latch Assembly (Incl. Items 2, 43–56)     43   B40080   1   Outer Draw Latch Plate – DS     44   B40110   1   x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/16 x 2-1/2 Cotter Pin     46   B61004   1   3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40070   1   x 4-21/32 Draw Latch Mount (to A-Frame) Pin     48   B40070   1   x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   Draw Latch Arm   Draw Latch Finger     51   B40082   2   3/4 x 2-1/2 Draw Latch Mount (to A-Frame) Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/	35	B61105	2	9/64 x 2-11/16 Hair Cotter Pin
38   B40079   1   3/8 x 1-3/4 A-Frame Latch Pin SS     39   90671   2   5/16-18 x 3/4 Hex Cap Screw G8     40   B61412   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43A   B40109   1   Draw Latch Assembly (Incl. Items 2, 43–56)     43   B40080   1   Outer Draw Latch Plate – DS     44   B40110   1   1 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/16 x 2-1/2 Cotter Pin     46   B61004   1   3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40074   2   Inner Draw Latch Plate     48   B40070   1   1 x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   Draw Latch Finger   51     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS <tr< td=""><td>36</td><td>B61309</td><td>1</td><td>1.25 OD Standard Split Ring</td></tr<>	36	B61309	1	1.25 OD Standard Split Ring
39   90671   2   5/16-18 x 3/4 Hex Cap Screw G8     40   B61412   2   5/16 Hardened Washer     41   B40088   2   A-Frame Pivot, Replaceable Bushing     42   B61295   1   Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)     43A   B40109   1   Draw Latch Assembly (Incl. Items 2, 43–56)     43   B40080   1   Outer Draw Latch Plate – DS     44   B40110   1   1 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/16 x 2-1/2 Cotter Pin     46   B61004   1 3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40070   1   x 4-21/32 Draw Latch Mount (to A-Frame) Pin     48   B40070   1   x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   Draw Latch Arm   Piot Pin/Hydraulic Cylinder Rod End Pin     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/2 Bushing     53   B40081   Outer Draw Latch Plate – PS     54   B50071   3/4 x 3-41/64 Clevis Pin     55 </td <td>37</td> <td>B61000</td> <td>1</td> <td>0.94 OAL x 0.36 OD x .029 Wire Compression Spring SS</td>	37	B61000	1	0.94 OAL x 0.36 OD x .029 Wire Compression Spring SS
40B6141225/16 Hardened Washer41B400882A-Frame Pivot, Replaceable Bushing42B612951Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)43AB401091Draw Latch Assembly (Incl. Items 2, 43–56)43B400801Outer Draw Latch Plate – DS44B4011011 × 6-1/2 (13/64 Cotter Pin Hole) Draw Pin45B6136323/16 × 2-1/2 Cotter Pin46B6100413/4-10 × 4-1/2 Hex Cap Screw G847B400742Inner Draw Latch Plate48B4007011 × 4-21/32 Draw Latch Mount (to A-Frame) Pin49B40114Draw Latch Finger51B4004223/4 × 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin52B4009311-1/4 OD × 1-1/16 ID × 1-1/2 Bushing53B400810 Uter Draw Latch Plate – PS54B5007113/4 × 3-41/64 Clevis Pin55B4011611 OD × 25/35 ID × 5/8 Spacer56B6100613/4-10 Top Locknut GC57B401191Pump/Manifold Cover BLK58B6120311'' Washer59B631001Label – Hydraulic Hose Guide (BLZ 1055)60B6000719/16-18 Male ORB Connector	38	B40079	1	3/8 x 1-3/4 A-Frame Latch Pin SS
41B400882A-Frame Pivot, Replaceable Bushing42B612951Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)43AB401091Draw Latch Assembly (Incl. Items 2, 43–56)43B400801Outer Draw Latch Plate – DS44B4011011 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin45B6136323/16 x 2-1/2 Cotter Pin46B6100413/4-10 x 4-1/2 Hex Cap Screw G847B400742Inner Draw Latch Plate48B4007011 x 4-21/32 Draw Latch Mount (to A-Frame) Pin49B401141Draw Latch Arm50B401231Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin51B4008223/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin52B400811Outer Draw Latch Plate – PS54B5007113/4 x 3-41/64 Clevis Pin55B4011611 OD x 25/35 ID x 5/8 Spacer56B6100613/4-10 Top Locknut GC57B401191Pump/Manifold Cover BLK58B6120311" Washer59B631001Label – Hydraulic Hose Guide (BLZ 1055)60B6000719/16-18 Male ORB Connector	39	90671	2	5/16-18 x 3/4 Hex Cap Screw G8
42B612951Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)43AB401091Draw Latch Assembly (Incl. Items 2, 43–56)43B400801Outer Draw Latch Plate – DS44B4011011 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin45B6136323/16 x 2-1/2 Cotter Pin46B6100413/4-10 x 4-1/2 Hex Cap Screw G847B400742Inner Draw Latch Plate48B4007011 x 4-21/32 Draw Latch Mount (to A-Frame) Pin49B401141Draw Latch Arm50B401231Draw Latch Finger51B4004223/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin52B4009311-1/4 OD x 1-1/16 ID x 1-1/2 Bushing53B400810 Uter Draw Latch Plate – PS54B5007113/4 x 3-41/64 Clevis Pin55B4011611 OD x 25/35 ID x 5/8 Spacer56B6100613/4-10 Top Locknut GC57B401191Pump/Manifold Cover BLK58B6120311" Washer59B631001Label – Hydraulic Hose Guide (BLZ 1055)60B6000719/16-18 Male ORB Connector	40	B61412	2	5/16 Hardened Washer
43AB401091Draw Latch Assembly (Incl. Items 2, 43–56)43B400801Outer Draw Latch Plate – DS44B4011011 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin45B6136323/16 x 2-1/2 Cotter Pin46B6100413/4-10 x 4-1/2 Hex Cap Screw G847B400742Inner Draw Latch Plate48B4007011 x 4-21/32 Draw Latch Mount (to A-Frame) Pin49B401141Draw Latch Arm50B401231Draw Latch Finger51B4004223/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin52B4009311-1/4 OD x 1-1/16 ID x 1-1/2 Bushing53B400811Outer Draw Latch Plate – PS54B5007113/4 x 3-41/64 Clevis Pin55B4011611 OD x 25/35 ID x 5/8 Spacer56B6100613/4-10 Top Locknut GC57B401191Pump/Manifold Cover BLK58B6120311" Washer59B631001Label – Hydraulic Hose Guide (BLZ 1055)60B6000719/16-18 Male ORB Connector	41	B40088	2	A-Frame Pivot, Replaceable Bushing
43   B40080   1   Outer Draw Latch Plate – DS     44   B40110   1   1 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/16 x 2-1/2 Cotter Pin     46   B61004   1   3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40074   2   Inner Draw Latch Plate     48   B40070   1   1 x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   1   Draw Latch Arm     50   B40123   1   Draw Latch Finger     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   "Washer     59   B63100   1   Label – Hydraulic Hose Guide (BL	42	B61295	1	Label – POWER HITCH™ Connect/Disconnect Switch (BLZ 1037)
44   B40110   1   1 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin     45   B61363   2   3/16 x 2-1/2 Cotter Pin     46   B61004   1   3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40074   2   Inner Draw Latch Plate     48   B40070   1   1 x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   1   Draw Latch Arm     50   B40123   1   Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1' Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   <	43A	B40109	1	Draw Latch Assembly (Incl. Items 2, 43–56)
45   B61363   2   3/16 x 2-1/2 Cotter Pin     46   B61004   1   3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40074   2   Inner Draw Latch Plate     48   B40070   1   1 x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   1   Draw Latch Arm     50   B40123   1   Draw Latch Finger     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	43	B40080	1	Outer Draw Latch Plate – DS
46   B61004   1   3/4-10 x 4-1/2 Hex Cap Screw G8     47   B40074   2   Inner Draw Latch Plate     48   B40070   1   1 x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   1   Draw Latch Arm     50   B40123   1   Draw Latch Finger     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	44	B40110	1	1 x 6-1/2 (13/64 Cotter Pin Hole) Draw Pin
47   B40074   2   Inner Draw Latch Plate     48   B40070   1   1 x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   1   Draw Latch Arm     50   B40123   1   Draw Latch Finger     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	45	B61363	2	3/16 x 2-1/2 Cotter Pin
48   B40070   1   1 x 4-21/32 Draw Latch Mount (to A-Frame) Pin     49   B40114   1   Draw Latch Arm     50   B40123   1   Draw Latch Finger     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	46	B61004	1	3/4-10 x 4-1/2 Hex Cap Screw G8
49   B40114   1   Draw Latch Arm     50   B40123   1   Draw Latch Finger     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	47	B40074	2	Inner Draw Latch Plate
50   B40123   1   Draw Latch Finger     51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	48	B40070	1	1 x 4-21/32 Draw Latch Mount (to A-Frame) Pin
51   B40042   2   3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin     52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	49	B40114	1	Draw Latch Arm
52   B40093   1   1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing     53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	50	B40123	1	Draw Latch Finger
53   B40081   1   Outer Draw Latch Plate – PS     54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	51	B40042	2	3/4 x 2-1/2 Draw Latch Arm Pivot Pin/Hydraulic Cylinder Rod End Pin
54   B50071   1   3/4 x 3-41/64 Clevis Pin     55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	52	B40093	1	1-1/4 OD x 1-1/16 ID x 1-1/2 Bushing
55   B40116   1   1 OD x 25/35 ID x 5/8 Spacer     56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	53	B40081	1	Outer Draw Latch Plate – PS
56   B61006   1   3/4-10 Top Locknut GC     57   B40119   1   Pump/Manifold Cover BLK     58   B61203   1   1" Washer     59   B63100   1   Label – Hydraulic Hose Guide (BLZ 1055)     60   B60007   1   9/16-18 Male ORB Connector	54	B50071	1	3/4 x 3-41/64 Clevis Pin
57     B40119     1     Pump/Manifold Cover BLK       58     B61203     1     1" Washer       59     B63100     1     Label – Hydraulic Hose Guide (BLZ 1055)       60     B60007     1     9/16-18 Male ORB Connector	55	B40116	1	1 OD x 25/35 ID x 5/8 Spacer
58     B61203     1     1" Washer       59     B63100     1     Label – Hydraulic Hose Guide (BLZ 1055)       60     B60007     1     9/16-18 Male ORB Connector	56	B61006	1	3/4-10 Top Locknut GC
59     B63100     1     Label – Hydraulic Hose Guide (BLZ 1055)       60     B60007     1     9/16-18 Male ORB Connector	57	B40119	1	Pump/Manifold Cover BLK
60 B60007 1 9/16-18 Male ORB Connector	58	B61203	1	1" Washer
	59	B63100	1	Label – Hydraulic Hose Guide (BLZ 1055)
	60	B60007	1	•
G = Grade SS = Stainless Steel			G	G = Grade SS = Stainless Steel



Item	Part	Qty	Description	
1	B60402	1	Hydraulic Pump Assembly (Incl. Items 1–2, 4–14)	
2	B60433	1	Reservoir	
3	B60434	1	Motor, 12V DC	
4	B60435	1	Seal Kit	
5	B60436	1	Pump Assembly, 2.47cc/Rev	
6	B60437	2	Filter	
	G = Grade		ga = gauge	ns = not shown

### **POWER UNIT PARTS**

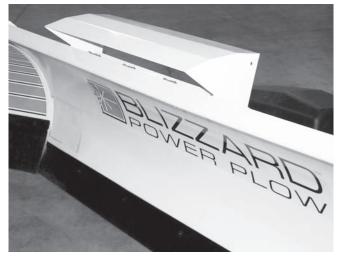
Item	Part	Qty	Description
7	B60438	4	Reservoir Clamp
8	B60439	4	Screw Reservoir
9	B60345	4	Grommet
10	B60346	1	Breather
11	B60440	1	Relief Valve Assy
12	B60450	2	Tube, Cut to Length
13	B60442	1	Elbow
14	B60444	1	Elbow
15	B60445	1	Brush Kit
16	B60264	1	Manifold Assembly
17	B60266	1	Manifold Block (with Cross Port Relief), Red Anodized Aluminum
18	B60050	3	Hollow Hex Plug, -6 SAE
19	B60006	6	9/16-18 90° Swivel Elbow Hydraulic Adapter
20	B60072	1	9/16-18 Male Extra Long Elbow Hydraulic Adapter
21	B60228	2	Piston Assembly
22	B60225	4	Check Valve, 50 psi
23	B60173	1	7/16-20 ORB Test Port Coupling
24	B60166	5	Spool Valve 3-Way, 2-Position
25	B62147	1	Coil Harness Assembly (Incl. Items 25 [7], 35, 31)
26	B62114	7	Coil, PDL10V DC
27	B60052	9	1/2-20 Hex Jam Nut
ns	B62045	1	Male, Plastic Electric Connector
ns	B62096	19	Silicone Cable Seal, Orange (18 AWG)
ns	B62116	1	Silicone Cavity Plug, White (18–16 AWG)
ns	B62097	9	Male Terminal (18–16 AWG)
ns	B62118	1	3/8 ID End Ring Terminal Copper, 6 ga
28	B60278	2	Relief Valve, 1700 psi
29	B60279	2	Relief Valve, 1500 psi
30	B60167	2	Spool Valve 4-Way, 2-Position
31	B60168	1	Relief Valve, 3000 psi
32	B62115	1	DDL Coil 10V DC
33	B60170	1	Spool Valve 3-Way, 2-Position
34	B60169	1	Flow Control Valve
35	B60475	1	Two-Way Valve NC
36	B62176	1	PDL Coil 12V DC, Delta (Waterproof, w/O-Rings)
37	B61010	2	5/16-18 x 3-3/4 Hex Cap Screw G8
38	B61011	2	5/16 Split Lock Washer
39	29233	2	3/8 Hardened Washer
40	91203	2	3/8 Spring Lock Washer
41	90055	2	3/8-16 x 1-1/4 Hex Cap Screw G8
42	B60038	2	3/32 CSW, 9/16 ID, 3/4 OD O-Ring Neoprene
43	B60007	6	9/16-18 ORB Male Connector
44	90097	1	3/8-16 x 3/4 Hex Cap Screw G5
45	B61307	1	3/8 Internal/External Tooth Lock Washer
46	B61716	2	1/4-20 x 6-1/4 Coarse Thread Hex Cap Screw G5
ns	56590	1	9/16-18 90° ORB Adjustable Elbow Hydraulic Adapter
	G =	Grade	ga = gauge ns = not shown



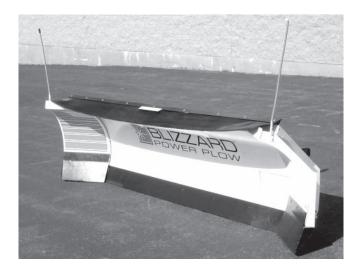
ltem	Part	Qty	Description	
1A	B62039	1	Plow Harness Assy (Incl. Items 1–2, B62046, B62093, B614	139, B62167)
1	B62057	1	Snowplow Harness	
2	B62001	1	Weather Cap, Rubber, Snowplow Side	
ns	B62046	1	Electric Connector, Female, Plastic	
ns	B62093	10	Female Terminal (18–16AWG)	
ns	B61439	2	Cable Tie, 15"	
ns	B62167	1	Diode Loop Harness	
3A	B62215	1	Harness Assy, Vehicle (Incl. Items 3–4, B61439, B62124, B6 B62072, B62008, B62009, B62016, B61031)	62212, B62035, B62144, B62056,
3	B62150	1	Vehicle Harness	
	G =	Grade	ga = gauge	ns = not shown

4     B62000     1     Weather Cap, Rubber - Vehicle Side       ns     B62124     1     1/4 x 1-1/4 BUSS ARC Fuse 15A, 32V       ns     B62121     1     Main Lighting Harness       ns     B62124     1     Headiamp Relay, CB1-D-12V       ns     B62178     1     Headiamp Relay, CB1-D-12V       ns     B62056     1     Power Contactor Ground Wire, 24       ns     B62008     1     Mini Fuse Clip, Auto Blade       ns     B62009     1     Fuse Clip, Auto Blade       ns     B62009     1     Fuse Clip, Auto Blade       ns     B62059     1     Headlamp Assembly (Incl. Items 5–10, B62061)       Sector     2     1/1 D 2, 1/1 D 2, 1/0 X 10D X 105 Washer Neoprene Backing Galvanized <	Item	Part	Qty	Description
ns     B62212     1     Main Lighting Harness       ns     B62035     2     Weather Cap, Lighting Harness, Rubber       ns     B62144     4     Headpamp Relay, CB1-D-12V       ns     B62075     1     Heavy Duty Motor Solenoid 12V DC – 225A       ns     B62072     4     End Ring Terminal, 3/8 ID Copper, 4 ga       ns     B62076     4     Splice Clip, Auto Blade       ns     B62076     4     Splice Lock Connector (18–14 WAG)       ns     B62016     4     Splice Lock Connector (18–14 WAG)       ns     B62016     3     #12-14 x 3/4 Hex Washer Self-Drilling Screw       A B6116     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62060     1     Headlamp – DS       6     B62060     1     Headlamp Assembly (Incl. Items 5–10, B62061)       7     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B61560     2     17/16 Ext Tooth Lock Washer       10     B61111     2     7/16-14 Hex Nut G8       ns     B62061     Rocker	4	B62000	1	Weather Cap, Rubber – Vehicle Side
ns     B62035     2     Weather Cap, Lighting Harness, Rubber       ns     B62144     4     Headlamp Relay, CB1-D-12V       ns     B62056     1     Power Contactor Ground Wire, 24       ns     B62056     1     Power Contactor Ground Wire, 24       ns     B62009     1     Fuse Clip       ns     B62001     1     Fuse Clip       ns     B62003     1     Fuse Clip       ns     B61031     #12-14 x 34 Hex Washer Self-Drilling Screw       SA     B61106     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     86150     1     Headlamp – DS       6     B62060     1     Headlamp Selde Harness (with 6-pin plug)       8     86171     2     Snowplow Headlamp Selde Harness (with 6-pin plug)       8     86172     2     Snowplow Headlamp Selde Baam Halogen (H6545/H4666)       ns     B62061     2     Snowplow Headlamp Selde Baam Halogen (H6545/H4666)       ns     B62061     1	ns	B62124	1	1/4 x 1-1/4 BUSS ARC Fuse 15A, 32V
ns     B62144     4     Headlamp Relay, CB1-D-12V       ns     B62778     1     Heavy Duty Motor Solenoid 12V DC – 225A       ns     B62072     4     End Ring Terminal, 3/8 ID Copper, 4 ga       ns     B62072     4     End Ring Terminal, 3/8 ID Copper, 4 ga       ns     B62072     4     End Ring Terminal, 3/8 ID Copper, 4 ga       ns     B62076     4     Splice Lock Connector (18–14 WAG)       ns     B62016     4     Splice Lock Connector (18–14 WAG)       ns     B62013     3     #12-14 x 3/4 Hex Washer Self-Drilling Screw       A     B6110     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62029     1     Headlamp – DS       6     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B6150     2     1/16 Ext Tooth Lock Washer       10     B61112     2     1/16 Ext Tooth Lock Washer       10     B6112     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       11     B61427     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl  <	ns	B62212	1	Main Lighting Harness
ns     B62178     1     Heavy Duty Motor Solenoid 12V DC – 225A       ns     B62056     1     Power Contactor Ground Wire, 24       ns     B62008     1     Mini Fuse Clip       ns     B62009     1     Fuse Clip, Auto Blade       ns     B62009     1     Fuse Clip, Auto Blade       ns     B62016     4     Splice Lock Connector (18–14 WAG)       ns     B61031     3     #12-14 x 3/4 Hex Washer Self-Drilling Screw       5A     B61016     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62059     1     Headlamp – DS       6     B62060     1     Headlamp – DS       7     B66150     2     1/2 D X 1 OD X .105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61120     2     1/16 LM X 068       11     B61208     2     Sinowplow Headlamp Sealed Beam Halogen (H6545/H4666)       12     Snovplow Headlamp Sealed Beam Halogen (H6545/H4666)     Snovplow       13     B61271     2     Contr	ns	B62035	2	Weather Cap, Lighting Harness, Rubber
ns     B62056     1     Power Contector Ground Wire, 24       ns     B62072     4     End Ring Terminal, 3/8 ID Copper, 4 ga       ns     B62008     1     Mini Fuse Clip       ns     B62009     1     Fuse Clip, Auto Blade       ns     B62016     4     Splice Lock Connector (18–14 WAG)       ns     B61016     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62059     1     Headlamp – DS       6     B62060     1     Headlamp – PS       7     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B6150     2     1/2 ID x 1 OD x 105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16-14 Hex Nut G8       ns     B62081     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     56099     1     Corrosion Preventive Compound       11     B61277     2     2-14 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B3302     1 <td>ns</td> <td>B62144</td> <td>4</td> <td>Headlamp Relay, CB1-D-12V</td>	ns	B62144	4	Headlamp Relay, CB1-D-12V
ns     B62056     1     Power Contector Ground Wire, 24       ns     B62072     4     End Ring Terminal, 3/8 ID Copper, 4 ga       ns     B62008     1     Mini Fuse Clip       ns     B62009     1     Fuse Clip, Auto Blade       ns     B62016     4     Splice Lock Connector (18–14 WAG)       ns     B61016     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62059     1     Headlamp – DS       6     B62060     1     Headlamp – PS       7     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B6150     2     1/2 ID x 1 OD x 105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16-14 Hex Nut G8       ns     B62081     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     56099     1     Corrosion Preventive Compound       11     B61277     2     2-14 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B3302     1 <td>ns</td> <td>B62178</td> <td>1</td> <td>Heavy Duty Motor Solenoid 12V DC – 225A</td>	ns	B62178	1	Heavy Duty Motor Solenoid 12V DC – 225A
ns     B62008     1     Mini Fuse Clip       ns     B62009     1     Fuse Clip, Auto Blade       ns     B62016     4     Splice Lock Connector (18-14 WAG)       ns     B61031     3     #12-14 x 3/4 Hex Washer Self-Drilling Screw       5A     B61106     1     Snowplow Headlamp Assembly (Incl. Items 5-10, B62061)       5     B62059     1     Headlamp – DS       6     B62060     1     Headlamp – DS       7     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B6150     2     17/16 Ext Tooth Lock Washer       10     B61111     2     7/16 Ext Tooth Lock Washer       10     B61112     7/16 Ext Tooth Lock Washer       10     B61112     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       11     B61209     1     Corrosion Preventive Compound       11     B61210     Rocker Switch/Joystick Control Station Assembly (Incl. Items 13–23, B61036, B62183, B62183, B6219       12     83032     1     Light Tower       13     B61266     Rocker Switch Cont	ns	B62056	1	Power Contactor Ground Wire, 24
ns     B62009     1     Fuse Clip, Auto Blade       ns     B62016     4     Splice Lock Connector (18–14 WAG)       ns     B61106     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5A     B61106     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62059     1     Headlamp – DS       6     B620032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B61550     2     1/2 ID x1 0D x.105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       0     B61102     2     7/16 Ext Tooth Lock Washer       0     B61128     2     Lighting Harness Repair Kit, Harness Side       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62063     1     Corresion Preventive Compound       11     B61427     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13     B61266     Rocker Switch, Joystick Control Station Assembly (Incl. Items 13–23, B61036, B62183,	ns	B62072	4	End Ring Terminal, 3/8 ID Copper, 4 ga
ns     B62016     4     Splice Lock Connector (18–14 WAG)       ns     B61031     #12-14 x 3/4 Hex Washer Self-Drilling Screw       5A     B61051     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62059     1     Headlamp – DS       6     B62060     1     Headlamp – PS       7     B62032     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B61550     2     1/2 ID x 1 0 D x .105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16 L4 Hex Nut G8       ns     B62061     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62091     Corrosion Preventive Compound       11     B61427     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B3032     1     Light Tower       13A     B62109     1     Rocker Switch/Joystick Control Station Assembly (Incl. Items 13–23, B61036, B62183, B6218       14     B62065     1     Rocker Switch Control Box Housing Plate       16     B61127     1     <	ns	B62008	1	Mini Fuse Clip
ns     B61031     3     #12-14 x 3/4 Hex Washer Self-Drilling Screw       5A     B61106     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62059     1     Headlamp – DS       6     B62000     1     Headlamp – PS       7     B62052     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B61550     2     1/2 ID x 1 OD x. 105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16 Lxt Tooth Lock Washer       11     B61121     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     56099     1     Corrosion Preventive Compound       11     B61427     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13     B61296     1     Control Station Assembly (Incl. Items 13–23, B61036, B62183, B6218 <td>ns</td> <td>B62009</td> <td>1</td> <td>Fuse Clip, Auto Blade</td>	ns	B62009	1	Fuse Clip, Auto Blade
ns     B61031     3     #12-14 x 3/4 Hex Washer Self-Drilling Screw       5A     B61106     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62059     1     Headlamp – DS       6     B62000     1     Headlamp – PS       7     B62052     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B61550     2     1/2 ID x 1 OD x. 105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16 Lxt Tooth Lock Washer       11     B61121     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     56099     1     Corrosion Preventive Compound       11     B61427     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13     B61296     1     Control Station Assembly (Incl. Items 13–23, B61036, B62183, B6218 <td>ns</td> <td>B62016</td> <td>4</td> <td>Splice Lock Connector (18–14 WAG)</td>	ns	B62016	4	Splice Lock Connector (18–14 WAG)
5A     B61106     1     Snowplow Headlamp Assembly (Incl. Items 5–10, B62061)       5     B62059     1     Headlamp – DS       6     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B61550     2     1/2 ID x 1 OD x .105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16 T4 Hex Nut G8       ns     B62008     2     Lighting Harness Repair Kit, Harness Side       ns     B62108     2     Lighting Harness Repair Kit, Harness Side       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62010     1     Corrosion Preventive Compound       11     B61427     2     2.14 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13A     B62109     1     Control Station Housing       14     B62065     1     Rocker Switch, Opt F-None-ON, 15A, 250V AC       15     B61126     1     Rocker Switch Control Box Housing Plate	ns	B61031	3	
5     B62059     1     Headlamp – DS       6     B62060     1     Headlamp – PS       7     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B6150     2     1/2 ID x 10 D x .105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16-14 Hex Nut G8       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     56099     1     Corrosion Preventive Compound       11     B61427     2     2.14 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B30032     1     Light Tower       13     B61296     1     Control Station Housing       14     B62065     Rocker Switch, SPST, OFF-None-ON, 15A, 250V AC       15     B61127     1     Git Hook-and-Loop Fastener Strap with 2" Metal D-Ring Black       17     B62130     1     Electrical Connector – 12-pin and 2-pin Plugs       18     B	5A	B61106	1	-
6     B62060     1     Headlamp – PS       7     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B61550     2     1/2 ID x 1 0D x.105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16-14 Hex Nut G8       ns     B62008     2     Lighting Harness Repair Kit, Harness Side       ns     B62018     2     Lighting Harness Repair Kit, Harness Side       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62102     1     Corrosion Preventive Compound       11     B61427     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13     B61296     1     Control Station Housing       14     B62065     1     Rocker Switch Control Box Housing Plate       16     B61126     Rocker Switch Control Box Housing Plate       16     B61127     1     Joystick Assembly Only       19     B62129     System	5	B62059	1	
7     B62032     2     Snowplow Headlamp Side Harness (with 6-pin plug)       8     B61550     2     1/2 ID x 1 OD x. 105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16-14 Hex Nut G8       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62091     2     Corrosion Preventive Compound       11     B61427     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13A     B62109     1     Rocker Switch/Joystick Control Station Assembly (Incl. Items 13–23, B61036, B62183, B62183, B62183)       13     B61266     1     Rocker Switch Control Box Housing Plate       16     B61127     1     G1* Hook-and-Loop Fastener Strap with 2* Metal D-Ring Black       17     B62129     1     System ON/OFF Switch, SPDT ON/OFF/ON Rocker Switch 10A, 250V AC       20     B63098     1     Label – Snowplow Headlamps/Power Switch ON/OFF (BLZ 1053)       21<	6	B62060	1	
8     B61550     2     1/2 ID x 1 OD x .105 Washer Neoprene Backing Galvanized       9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16-14 Hex Nut G8       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     56099     1     Corrosion Preventive Compound       11     B61277     2     2.1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13A     B62109     1     Rocker Switch/Joystick Control Station Assembly (Incl. Items 13–23, B61036, B62183, B62183, B62183, B62184       13     B61266     1     Rocker Switch Control Box Housing Plate       16     B61127     1     Gorker Switch, Control Box Housing Plate       16     B61127     1     Joystick Assembly Only       19     B62130     1     Electrical Connector – 12-pin and 2-pin Plugs       18     B62177     Joystick Assembly Only     System ON/OFF Switch, SPDT ON/OFF/ON Rocker Switch ONA, 250V AC       10	7		2	•
9     90651     2     7/16 Ext Tooth Lock Washer       10     B61111     2     7/16-14 Hex Nut G8       ns     B62108     2     Lighting Harness Repair Kit, Harness Side       ns     B62108     2     Lighting Harness Repair Kit, Harness Side       ns     B62108     2     Lighting Harness Repair Kit, Harness Side       ns     B62108     2     Lighting Harness Repair Kit, Harness Side       ns     B62061     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     B61277     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13A     B61296     Control Station Housing       14     B62065     Rocker Switch Control Box Housing Plate       16     B61127     1     G'f Hook-and-Loop Fastener Strap with 2" Metal D-Ring Black       17     B62130     Electrical Connector – 12-pin and 2-pin Plugs       18     B62177     Joystick Assembly Only       19     B62162     Rocker Switch, Wing Extend & Retract/Plow Angle       22     B61035     10-24 x 1/2 Pan Head Machine Screw <td>8</td> <td>B61550</td> <td></td> <td></td>	8	B61550		
10     B61111     2     7/16-14 Hex Nut G8       ns     B62108     2     Lighting Harness Repair Kit, Harness Side       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     56099     1     Corrosion Preventive Compound       11     B61427     2     2:1/4 ID, 2:25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13A     B62109     1     Rocker Switch/Joystick Control Station Assembly (Incl. Items 13–23, B61036, B62183, B62183, B62183, B62183       13     B61296     1     Control Station Housing       14     B62065     1     Rocker Switch Control Box Housing Plate       16     B61127     1     61" Hook-and-Loop Fastener Strap with 2" Metal D-Ring Black       17     B62130     1     Electrical Connector – 12-pin and 2-pin Plugs       18     B62177     1     Joystick Assembly Only       19     B62129     1     System ON/OFF Switch, SPDT ON/OFF/ON Rocker Switch 10A, 250V AC       20     B63098     1     Label – Snowplow Headlamps/Power Switch ON/OFF (BLZ 1053)       21     <		90651		
ns     B62108     2     Lighting Harness Repair Kit, Harness Side       ns     B62061     2     Snowplow Headlamp Sealed Beam Halogen (H6545/H4666)       ns     56099     1     Corrosion Preventive Compound       11     B61427     2     2-1/4 ID, 2-25/64 OD x 3/4 Cap Black Vinyl       12     B39032     1     Light Tower       13A     B62109     1     Rocker Switch/Joystick Control Station Assembly (Incl. Items 13–23, B61036, B62183, B6218       13     B61296     1     Control Station Housing       14     B62065     1     Rocker Switch, SPST, OFF-None-ON, 15A, 250V AC       15     B61126     1     Rocker Switch Control Box Housing Plate       16     B61127     1     Filt Hook-and-Loop Fastener Strap with 2" Metal D-Ring Black       17     B62130     1     Electrical Connector – 12-pin and 2-pin Plugs       18     B62177     1     Joystick Assembly Only       19     B62129     1     System ON/OFF Switch, SPDT ON/OFF/ON Rocker Switch 10A, 250V AC       20     B63098     1     Label - Snowplow Headlamps/Power Switch ON/OFF (BLZ 1053)       21 <td>10</td> <td></td> <td></td> <td></td>	10			
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29 B62200 1 POWER PLOW Touchpad Control Harness				·
	30	B61231	1	Headlamp Ball Stud Mount Adapter
G = Grade ga = gauge ns = not shown				

#### **ACCESSORIES & KITS**



 Help channel air flow to your truck radiator during the long haul over the road. Mounted front and center, our custom airfoil redirects air over the top of the blade and into the grille of your vehicle. The airfoil is shipped with complete mounting hardware.



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



 This kit includes the most common replacement parts: angle cylinder hose, lift cylinder hose, hitch pin w/hair pin cotter, angle cylinder clevis pin w/cotter, 90° angle cylinder fitting, solenoid, POWER HITCH<sup>™</sup> toggle switch, corrosion preventive compound (2 oz) and 10A fuse. The compact and durable plastic case (13.5" x 9" x 3.3") allows for easy storage behind or under your seat.



4. 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.

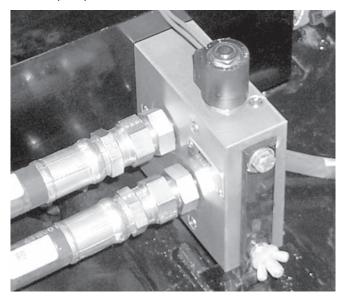
#### **ACCESSORIES & KITS**



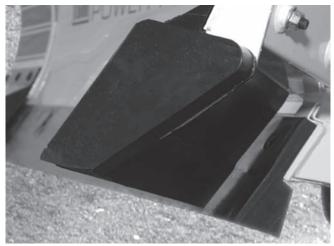
 BLIZZARD<sup>®</sup> Rapid Action Hydraulic Fluid is specially formulated for use in BLIZZARD snowplows and can significantly enhance the operation and performance of the hydraulic system. BLIZZARD zinc-free hydraulic fluid maintains its viscosity to temperatures as low as -25°F. BLIZZARD hydraulic fluid is available by the quart, gallon, case or 55-gallon drum.



 Our easy-to-install, adjustable pedestal mount will position either POWER PLOW<sup>®</sup> snowplow control station how you want it! Ideal for bucket seat vehicles with low center consoles. Pedestal accessory shipped with complete hardware and adapter plate.



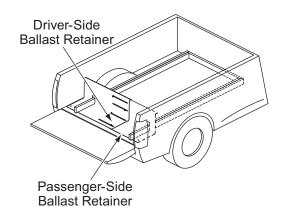
7. Get the response you demand from your snowplow with this easy-to-install add-on and experience increased power and speed to all of the snowplow hydraulic functions! The auxiliary manifold attaches right up to the existing manifold and pump bracket without any modifications needed. Manifold provides up to 30 gpm input (4000 psi max.) from the vehicle pump and 2–3 gpm output (2500 psi max.) to the existing hydraulic manifold. Hydraulic hoses, fittings and pump not included.



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



 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.



10. Ballast (additional weight) is an important part of qualifying vehicles for snowplow eligibility. Rear ballast must be used when necessary to remain in compliance with axle ratings and ratios as specified by the vehicle manufacturer. If ballast is required, it is important that it be secured properly behind the rear axle. A ballast retainer kit is available from your BLIZZARD outlet, PN 62849.

NOTE: The ballast retainer kit is for snowplow vehicles requiring ballast. See your BLIZZARD outlet for the correct amount of ballast required. Include the weight of the retainer as part of the ballast requirement. Sand bags are recommended for use as ballast.

NOTE: Ballast recommended and its weight calculations assume the entire width of the bed is filled as close to tailgate as possible.

		Accessories				
ltem	Part	Qty	Description			
1	B52093	1	Snowplow Airfoil			
2	B61241	1	Rubber Snow Deflector w/ Hardware			
3	B63074	1	Emergency Parts Kit			
4	B61288	1	3/8" Wing Cutting Edges w/ Hardware (T1) (Set of 2)			
5	B63070	1	BLIZZARD <sup>®</sup> Rapid Action Hydraulic Fluid (Quart)			
	B63071	1	BLIZZARD Rapid Action Hydraulic Fluid (Case – 12 quarts)			
	B63072	1	BLIZZARD Rapid Action Hydraulic Fluid (Gallon)			
	B63069	1	BLIZZARD Rapid Action Hydraulic Fluid (Case – 4 gallons)			
	B63091	1	BLIZZARD Rapid Action Hydraulic Fluid (Drum – 55 gallons)			
6	B63078	1	Pedestal Mount Kit			
7	B60310	1	Central Hydraulic Valve Block			
8	B61536	1	Polyurethane Moldboard and Wing Cutting Edges (with Hardware)			
9	B61219	1	POWER PLOW <sup>®</sup> High Performance 12 oz Spray Paint, Gloss White			
	B63073	1	POWER PLOW High Performance 12 oz Spray Paint, Gloss Black			
10	62849	1	Ballast Retainer Kit			
ns	B60133	1	Hydraulic Pressure Test Gauge Kit w/Hose and Quick Disconnect			
			Kits			
ns	B61352	1	POWER PLOW Hardware Kit, Model 810			
ns	B60275	1	Hydraulic Adapter Kit (Incl. B60005 [3], B60006 [6], B60007 [11], B60072, B60272)			
ns	B60420	1	Hydraulic Hose Kit (Incl. B60273, B60274, B60224 [4], B60091 [2])			
ns	B61430	1	Hardware Kit, Moldboard Cutting Edge			
ns	B52067	1	Cutting Edge Kit, Moldboard w/Hardware			
ns	B61431	1	Hardware Kit, Wing Cutting Edge (Set for 2 Wings)			
ns	B51104	1	Kit, Wing Cutting Edges w/ Hardware (1/4" Set of 2)			
ns	B62195	1	Headlamp Replacement Kit for B61106 (Incl. Sealed Beam HP6545, Rim, Spacer Bumpers [4], Screws [4])			
ns	B62196	1	Turn Signal Replacement Kit for Headlamp B61106 (Incl. Bulb 1157, Turn Signal Lens, Lens Gasket, Screws [2])			
ns	B60360	1	Combo Seal Kit, Cyl B60029/B60065			
ns	B60371	1	Combo Seal Kit, Cyl B60255			
ns	B60373	1	Combo Seal Kit, Cyl B60347			
ns	96027	1	Moldboard Label Pack			
			ns = not shown			





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# CE

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