



2004 Assembly & Operation Manual

Blizzard® Straight Blade Snowplow Models 760LT, 760, 800 & 860

Introduction

Congratulations on purchasing the finest straight blade snowplow available! Blizzard straight blades are clearing new trails for innovative design, rugged durability, quality craftsmanship and superior performance. Our exclusive products are manufactured and tested in Michigan's Upper Peninsula, the snow capital of the Midwest. With an annual snowfall averaging over 250," we couldn't imagine building snow removal products anywhere else!

Your Blizzard straight blade is equipped with versatile features designed for years of dependable service. The hydraulic draw latch mounting system positively aligns the plow for fast installation or removal. All Blizzard straight blade snowplows feature an extended moldboard. This unique construction provides an additional 5" of blade that rolls snow farther ahead and to the side when plowing. Now you can move snow faster, saving fuel and reducing wear on your truck and plow. Safety features include full moldboard trip action, enclosed hydraulics and automatic cylinder pressure relief.

To ensure years of optimum snowplow performance, review the contents of this manual. It contains assembly information, detailed diagrams, complete parts listings, maintenance guidelines and troubleshooting tips.

Should you need additional information, contact your local Blizzard snowplow dealer. Their knowledgeable staff is well informed on the latest straight blade information. They are also your source for replacement parts, technical assistance and all service repairs.

Comments, suggestions or concerns? Address all correspondence to:

Blizzard Corporation Customer Service Department 95 Airpark Boulevard Calumet, MI 49913

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Snowplow Accessories

All of the accessories pictured below are currently offered for your snowplow. See your local authorized Blizzard dealer for pricing and availability. Visit our web site at www.blizzardplows.com to view new snowplow accessories and our latest Blizzard snowplow wearables.

See page 21 for additional straight blade snowplow accessories.



Touch Pad Control Station P/N 62142

Small and compact, the Blizzard straight blade snowplow touch pad control offers ergonomic comfort behind the wheel. Whether you hold it in your hand, strap it on your leg, wrap it around your seat

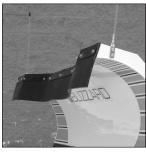
or mount it to the dashboard, this control will provide the flexibility you need! Control is shipped with a molded plastic leg tray, adjustable Velcro® strap and extra Velcro® patches. Control measures 3-1/4" x 3-1/4" x 1-5/16".



Auxiliary Manifold for Central Hydraulics P/N 60310

Get the response you demand from your plow with this easy-toinstall add-on and experience increased power and speed to all of the plow hydraulic functions! The

auxiliary manifold bolts 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.



Rubber Snow Deflector P/N 61243 (760LT) P/N 61242 (760) P/N 61260 (800) P/N 61545 (860)

Plow safer and easier with our custom rubber snow deflector. This easy-to-install accessory keeps snow off of your windshield

and in its place—on the ground! Rugged and durable, the 3/8" thick, 2-ply construction is made to last. All snow deflectors are shipped with complete mounting hardware.



Polyurethane Moldboard Cutting Edge (with Hardware) P/N 61544 (760LT & 760) P/N 61543 (800) P/N 61542 (860)

Durable and long lasting, the new straight blade polyurethane moldboard cutting edges will keep you

plowing longer and safer! Specially formulated for snowplowing applications, Blizzard poly edges resist gouging, provide superior wear life and effectively reduce plowing noise. Ideal for all plowing conditions. Edges are shipped with complete mounting hardware.



Blizzard Snowplows Emergency Parts Kit P/N 63074

Be prepared for unexpected plow emergencies! This kit includes the most common replacement parts conveniently packaged in a small, durable plastic case. Custom foam

insert holds the following plow 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™ toggle switch, corrosion preventive compound (2 oz.) and 10A fuse. The compact case (13.5"x9"x3.3") allows for easy storage behind or under your seat.



Blizzard Snowplow Airfoil P/N 81041 (760LT) P/N 52093 (760, 800 & 860)

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

grill of your vehicle. Don't get stuck on the side of the road! Keep trucking with this easy-to-install accessory. The airfoil is shipped with complete mounting hardware.

Warning!

WARNING:



CAUTION:

Prior to operating your straight blade, review the WARNING! label at the passenger's side rear of the moldboard (shown below).

Note: Read and understand all warnings indicated in this manual prior to operating the snowplow. Warnings and cautions in the manual are indicated by the icons shown to the left.

WARNIN

- Properly mount the snowplow prior to moving the vehicle.
- To prevent accidental plow activation, turn the Power switch on the snowplow control to the "OFF" position when not in use.
- Stand clear of the attachment area when mounting the snowplow to the undercarriage and operating the Power Hitch Connect/Disconnect switch. Failure to do so may result in serious injury or death.
- Securely position all mounting pins prior to operating your snowplow.
- Do not position your body between the snowplow and the vehicle when servicing or operating.
- Position snowplow in such a manner as to not block your vision or plow headlights while in transit.
- 7. Do not change the position of the snowplow while in transit.
- Do not exceed 40 mph when transporting the snowplow.
- Do not exceed 10 mph when plowing.
- 10. Always lower the snowplow when the vehicle is parked.
- Vehicles equipped with air bags are designed to be activated in a frontal collision 11. equivalent to hitting a solid object or barrier at approximately 14 mph or more.

△ WARNING

Careless or high speed driving while plowing snow, which results in vehicle impact deceleration equivalent to or greater than the airbag deployment threshold described above, would deploy the airbag.

Blizzard straight blade snowplows are protected by U.S. Patent 6,276,076 B1. Other patents pending.



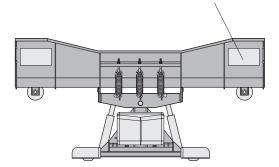
OWNER'S THOROUGHLY PRIOR TO OPERATING PLOW.



Calumet, Michigan 49913

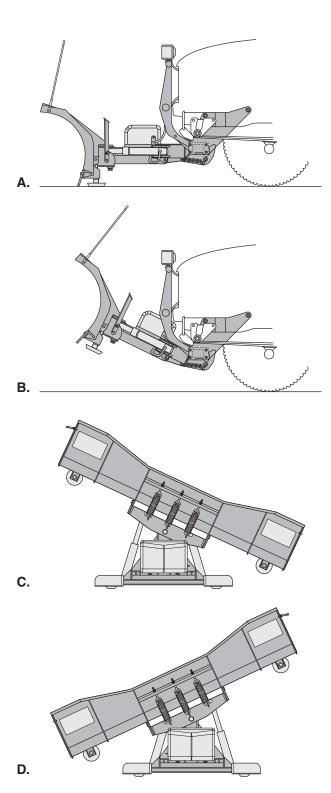
BLZ 1024

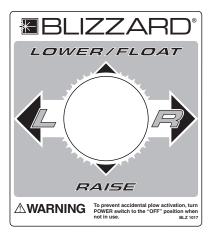
Should the WARNING! label or any of the labels that came with your snowplow become hard to read or wear off, contact your local authorized Blizzard dealer for replacements.



Snowplow Operation

Your snowplow is the most advanced and versatile straight blade on the market. The easy-to-use joystick control allows you to automatically adjust the plow blade into an infinite number of plowing positions. Review the illustrations below for instruction on maneuvering your snowplow.





A. Lowered or Float Position

Pushing the joystick forward, toward the "Lower/ Float" designation on the label, will lower your straight blade to the ground. Pushing and momentarily holding the joystick ahead will allow the snowplow to "float", or follow the contour of the ground when moving forward or backward.

B. Raised Position

Pulling the joystick back, toward the "Raise" designation on the label, will lift your straight blade off of the ground. To stop raising the plow, simply return the joystick to its "neutral" or center position. The snowplow has reached its maximum raised position when the blade stops lifting return the joystick to its neutral position.

C. Angled Right Position

To angle your straight blade to the right, position the joystick toward the "R" on the label. To stop angling the plow, return the joystick to its "neutral" or center position. The snowplow has reached its maximum angled position when the blade stops moving to the right side.

D. Angled Left Position

To angle your straight blade to the left, position the joystick toward the "L" on the label. To stop angling the plow, return the joystick to its "neutral" or center position. The snowplow has reached its maximum angled position when the blade stops moving to the left side.

***** IMPORTANT *****

To prevent premature failure of the power contactor (solenoid), initiate the plow function and return the joystick to its neutral or center position-except float. DO NOT hold the joystick in any position that allows the pump to continuously run after the plow has reached its maximum degree of movement. This will reduce the useful life of the solenoid.

Assembly Instructions

Unpacking & Inspection

Your Blizzard straight blade has been packaged to withstand transit and weather related damage. Fully inspect all components upon receipt of your plow. In the event of shipping damage or missing parts, immediately contact our Customer Service Department toll free at 1-888-680-8600.

Begin unpacking and inspection in the following order:

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

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

Date of Purchase Dealer/Distributor Telephone Number **Snowplow Serial Number** Hydraulic Pump Serial Number

Pallet Wrap End Panel

The tear resistant woven polyethylene pallet wrap contains a moisture barrier to help protect all packaged components and keep out the most inclement weather during shipping and storage. The end panel of the pallet cover contains important information regarding the snowplow model and the plow's serial number. Both of these numbers are given together. The first three digits and/or two letters in the the number indicated is always the plow model 760LT, 760, 800 or 860 and the entire eight (ten) digit number make up the entire serial number. The shipping document is also attached to the end panel. Be sure to retain this list for your records.



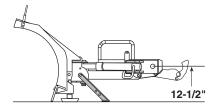
Moldboard & A-Frame Assembly

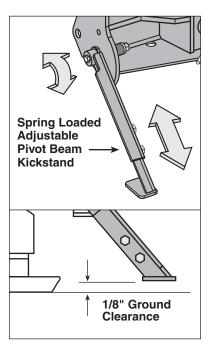
1. Begin the moldboard assembly by positioning the PIVOT BEAM and A-FRAME near the connecting points at the rear of the blade between the two center support ribs. Position the pivot beam between the two support ribs until the connecting points on the beam align with those on the plow. Insert one 3/4" DIA. x 3" CLEVIS PIN through each mounting hole and secure them with one 1/4" DIA. x 1-1/2" COTTER PIN.

Note: Mount the kickstand to the end of the pivot beam (driver's side) using the 1/2"-13 x 4-1/2" bolt provided. The spring, bushing and lock nut locate on the inside of the pivot beam. Review the diagram to the right and on page 22. Upon installation, rotate the spring loaded kickstand clockwise until it locks into place. Adjust the foot on the stand arm so the height of the A-frame, at its mount points, is 12-1/2" to level ground. Tighten both of the 1/2"-13 top lock nuts on the kickstand.

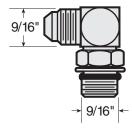
Note: To prevent the kickstand from hitting the ground before the snowplow cutting edges, causing stress on the kickstand lock pin, adjust the kickstand foot approximately 1/8" short of level ground. This procedure will provide clearance for the kickstand when the snowplow is lowered with the kickstand in the down position.

- 2. 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 one 3/4" DIA. x 5" CLEVIS PIN and one 1/4" x 1-1/2" cotter pin. Extend each cylinder rod until the cylinder base mounting hole aligns with the hole on the A-frame angle cylinder bracket. At this point, insert another clevis pin and secure it with a cotter pin. Repeat the same installation for the opposite angle cylinder.
- 3. Remove each dust cap from both of the hydraulic angle cylinder ports and attach one 9/16"-18 x 9/16"-18 90° ADJUSTABLE ELBOW O.R.B. ADAPTER to each port. Note: All of the hydraulic adapters can be found packaged with the manifold assembly. Reference the table on page 33. Each adapter should be angled toward the top of the moldboard. Connect one 3/8" x 24" hydraulic hose (P/N 60091) to the driver's side angle cylinder adapter. Be careful not to overtighten the hose connections. Route both hoses over the TOP of each angle cylinder. This will prevent them from hanging or being pinched.
- Next, remove both of the plastic dust caps from the HYDRAULIC LIFT CYLINDER ports. Attach one 9/16"-18 x 9/16"-18 45° ADJUSTABLE ELBOW O.R.B. ADAPTER to the driver's side port (base end) and one 9/16"-18 x 9/16"-18 MALE O.R.B. CONNECTOR ADAPTER to the passenger's side port (rod end). Once the adapters have been installed on the cylinder, connect the HYDRAULIC HOSES. Note: Position the fittings in the cylinder port such 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 plow. The 45° adapter receives a 3/8" x 17" hydraulic hose (P/N 60273). 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 (P/N 60274). Tighten 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.





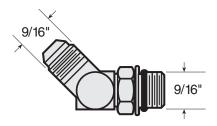
The kickstand mounts to the side of the pivot beam with one 1/2"-13 x 4-1/2" hex cap screw and top lock nut. To pivot the kickstand, simply pull the spring loaded leg out and rotate it until the pin locks into place. The kickstand also has an adjustable foot that can be moved to accommodate varying vehicle heights. Adjust the kickstand foot approximately 1/8" short of level ground. This will prevent the kickstand from hitting the ground before the plow cutting edges. The proper height of your snowplow mounting points to level ground should be set at 12-1/2".



90° Adjustable Elbow O.R.B. Adapter



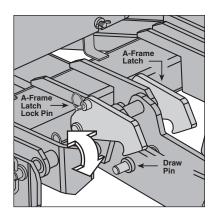
Male O.R.B. Connector Adapter



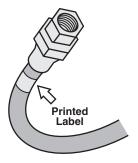
45° Adjustable Elbow O.R.B. Adapter

Draw Latch Assembly

The draw latch consists of a series of interconnected plates and pins that attach to the A-frame and the hydraulic lift cylinder.

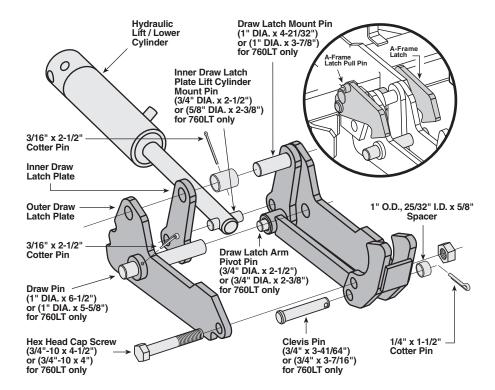


To mount the straight blade, the A-frame latch should be lowered over the draw pin—this allows the draw latch to pull the plow into the undercarriage. Once the plow is safely attached to the undercarriage, rotate the A-frame latch counterclockwise until the lock pin snaps into place. The A-frame latch is only used to mount the plow. Do not allow the lock pin to set behind the pin catch hole in the raised position. The A-frame latch should always be locked in place when not in use.



All of the hoses shipped with the snowplow contain a printed label (with a part number) applied to the hose. Install the following hoses to their respective ports on the manifold:

Hose P/N 60091 Ports #1 & #2 Hose P/N 60273 Port #3 Hose P/N 60274 Port #4 5. Begin the draw latch installation by first removing the DRAW LATCH MOUNT PIN, SPACER & COTTER PIN from the assembly. By removing this pin, the INNER DRAW LATCH PLATES can swing free. Proceed to remove the INNER DRAW LATCH PLATE LIFT CYLINDER MOUNT PIN. Position the plates on either side of the lift 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 plate with those of the inner 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 latch pull pin locks into place.

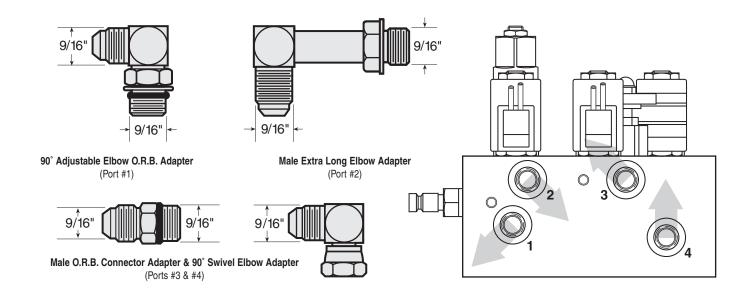


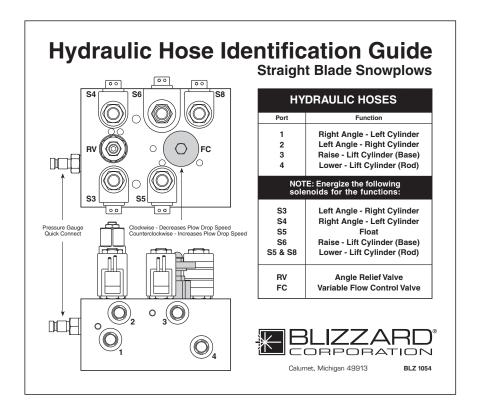
Once you have completed the draw latch installation, proceed to assemble the manifold. The manifold, pump and coil harness have been joined together at the factory; however, the manifold contains several components that you will need to install prior to securing the assembly to the A-frame.

Each of the 4 HOSE PORTS on the HYDRAULIC MANIFOLD are covered with stretch wrap. Remove the wrap and install the appropriate fitting (illustrated on page 7) in its respective port.

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 (see illustration on page 7).

Note: The gray arrows shown on the manifold illustration (page 7) indicate the direction the 90° adapters should face to receive the hydraulic hoses.





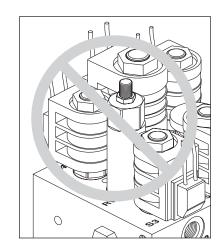
Next, align the mount holes in the pump with the holes in the hinged bracket, located on the A-frame. Note: To help facilitate the pump mount, first angle the hinged bracket as needed and tighten the bracket hardware, locking it in place.



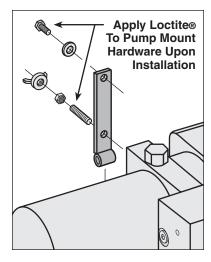
CAUTION: When installing the manifold between the mount brackets on the A-frame, hold the manifold at the sides of the block. Never handle the manifold by the wire lead coils. Doing so can cause a solenoid cartridge to bend, causing the cartridge to stick when activated.

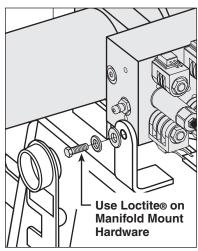
Installing The Manifold Adapters

There are a total of 6 hydraulic adapters to install. All of the adapters can be found packaged with the manifold assembly. Remove the protective stretch wrap from the manifold in a clean area. DO NOT let any foreign objects enter into the open ports. The valves can become contaminated and greatly hinder the plow's performance. Review the table on page 33 for proper torque specifications.



When installing the manifold between the mount brackets on the A-frame, DO NOT handle the manifold by the wire lead coils. The solenoid cartridges can bend, causing them to stick when activated. Always carry the manifold by the sides of the aluminum block.





A medium strength threadlocker, such as Loctite® 242®, should be used to properly secure the mount hardware for the pump and manifold. This will help prevent the hardware from working free from vibration and plow use. Apply a liberal amount of threadlocker to both threaded fasteners and the threads in the pump (top diagram). The manifold receives two 3/8"-16 x 1-1/4" hex cap screws-one on each side of the A-frame. Likewise, use threadlocker on these fasteners and the tapped holes in the manifold (bottom diagram). Secure one 3/8"-16 x 3/4" hex head cap screw and 3/8" flat washer through the top mount hole in the bracket and into the pump. Insert one 3/8"-16 x 1-3/4" threaded stud and 3/8"-16 jam nylon insert lock nut through the bottom mount hole in the bracket and into the pump. The threaded stud should bottom out in the pump. *Note: A medium* strength threadlocker, such as Loctite® 242® should be used on both of the pump mount fasteners. This will help prevent the fasteners from working free.

Once the pump and manifold assembly is in place, connect the hydraulic hoses to their respective adapters on the manifold. Review the label under the pump cover to identify which hoses connect to each port (See page 7).

Begin installing the hoses with the driver's side raise cylinder hose (P/N 60273). Attach the straight end of the hose to the 9/16"-18 90° SWIVEL ELBOW ADAPTER on the manifold. Connect the passenger's side lower cylinder hose (P/N 60274) to Port #4. Loop the hose through the opening in the A-frame and connect the straight end of the hose to the 9/16"-18 90° swivel elbow adapter. Run both angle cylinder hoses (P/N 60091) over the A-frame angle and to their respective manifold ports. Note: The lift cylinder hoses should be routed through the triangular openings in the A-frame.

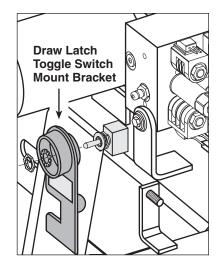
- 9. Next, secure the manifold to the A-frame. Remove both 3/8" flat washers, 3/8" split lock washers and 3/8"-16 x 1-1/4" hex head cap screws from the manifold and align the mount holes with the A-frame brackets. Properly replace and tighten all hardware. *Note: A medium* strength threadlocker, such as Loctite® 242® should be used to secure the manifold mount fasteners.
- 10. Hook each EXTENSION SPRING to the receiving holes located on the pivot beam and connect the opposite end of the spring to their respective SPADE BOLTS. Install the 5/8"-11 x 4-3/8" 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"-11 nylon insert lock nut. Tighten each lock nut until a piece of paper can pass between the 3th & 4th coils on the spring.
- 11. Install the flexible BLADE GUIDES at each end of the moldboard. Insert the 5/16"-18 x 1" hex head cap screw through the holes provided at the top of the outside reinforcement rib. Tighten all screws using the nylon insert lock nuts provided.

Congratulations! You have successfully completed half of the installation. Don't quit now, you're nearly out of the garage!

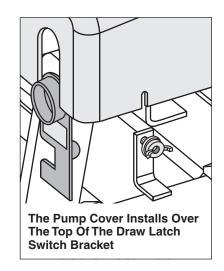
Electrical Assembly - Plow Harness

- Begin the electrical assembly by connecting the RED POWER WIRE from the PLOW ELECTRICAL HARNESS to the PUMP motor terminal stud using the hardware provided on the pump.
- Place one 3/8" INTERNAL/EXTERNAL TOOTH LOCK WASHER, the BLACK GROUND WIRE (from the harness) and the RED GROUND WIRE on the COIL WIRE HARNESS (from the manifold) over the tapped hole on the pump and secure the ground using one 3/8"-16 x 3/4" hex head cap screw.
- 3. Remove the hex jam nut and external tooth lock washer from the POWER HITCH CONNECT/DISCONNECT TOGGLE SWITCH and insert it through the back of the mounting bracket on the A-frame. Align the notch in the key washer on the switch to the notch on the bracket. Replace the lock washer and jam nut and tighten until the switch is firmly in place. Next, attach the connector on the plow harness to the switch. Note: Use caution when making the connection. Switches can break if done forcefully.
- 4. Continue the harness installation by connecting the PLASTIC FEMALE ELECTRICAL CONNECTOR on the harness to the PLASTIC MALE ELECTRICAL CONNECTOR found on the coil wire harness.
- 5. Finalize the harness installation by positioning the wire harness braid in the notch on the switch bracket and secure it with a cable tie. Note: The DIODE LOOP HARNESS should be positioned inside of the pump cover.
- 6. To install the PUMP & MANIFOLD COVER, align the notches in the cover with the welded bolts on the A-frame brackets. Secure the cover with two 3/8" FLANGED WING NUTS. 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 wing nut.

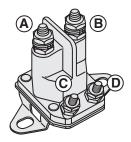
Congratulations! You have just completed building the finest snowplow available! However, the vehicle wire harness still needs to be installed. That is the focus of the second half of the electrical assembly instruction.



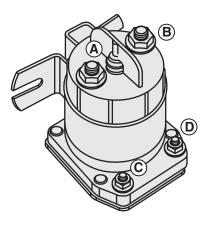
The draw latch toggle switch installs through the rear of the bracket with the protective hood. Align the key washer with the slot cut in the bracket to prevent the switch from turning. Secure the switch with the hardware provided. Note: Use the square notch in the bracket (below the protective hood) to position the braided harness. Use another cable tie to hold the harness against the bracket.



To properly secure the pump and manifold cover on the A-frame, position the cover over the top of the protective hood on the draw latch switch mount bracket. Align the slots in the cover with the welded bolts on the A-frame bracketssecure the cover using three flanged wing nuts.



Power Contactor (Solenoid) - Model 760LT



Power Contactor (Solenoid) - Models 760, 800

There are four wires that need to be attached to the power contactor:

- (A) Red Power Battery Wire
- (B) Vehicle Wire Harness Red Power Wire
- (C) 24" Black Ground Wire
- (D) Brown/White Pump Solenoid Activation Wire

Electrical Assembly - Vehicle Harness



CAUTION: Always perform the vehicle wire harness assembly with the vehicle off and the keys out of the ignition. Use caution when testing the electrical wires for the vehicle's headlight functions.

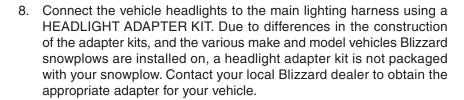
- Begin the installation of the electrical harness under the hood. Insert the WHITE POWER CONNECTOR & RED POWER WIRE (with FUSE) end of the harness through the driver's side fire wall access panel into the vehicle cab. Note: You may need to widen an opening or cut access to the cab interior to facilitate the assembly. Loosely position the remaining portion of the harness over the driver's side fender well and place the MOLDED RUBBER POWER CONNECTOR near the bumper. Note: Keep the plow and vehicle rubber power connector pins lubricated with a liberal amount of dielectric grease. Always replace the protective RUBBER WEATHER CAPS when the plow is disconnected from the vehicle.
- 2. Next, attach the POWER CONTACTOR (SOLENOID) to the driver's side wheel well or engine fan guard using two 12-14 x 3/4" hex washer self-drilling screws. Note: Some model vehicles provide mounting locations for accessory components. Always mount the solenoid with the terminals facing up. This will extend the useful life of the solenoid. Connect the 24" BLACK GROUND WIRE to either small terminal on the solenoid and attach the opposite end to the vehicle with one hex washer self-drilling screw. Locate the BROWN/WHITE PUMP SOLE-NOID ACTIVATION WIRE on the wire harness and position the eyelet over the remaining small terminal on the contactor. Secure it with the hardware provided on the solenoid.
- 3. Proceed to connect the BLACK VEHICLE WIRE HARNESS GROUND WIRE to the negative terminal on the vehicle's battery. Cut the wire to length and crimp a 3/8" DIA. END RING TERMINAL on the wire. It is also recommended that the ring terminal be soldered. Note: The harness should be secured to the vehicle prior to taking the necessary measurement. Measure the distance needed for the RED POWER WIRE to reach the solenoid and properly secure an end ring terminal to it. Connect the power wire to either large terminal on the solenoid.



CAUTION: Do not fasten the wire 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.

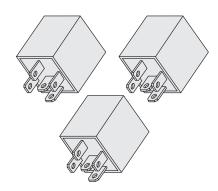
- 4. Attach and solder an end ring terminal to both ends of the remaining length of the red 4 gauge wire. Connect one end of the wire to the open terminal on the solenoid and the remaining end to the positive terminal on the battery.
- 5. With the vehicle harness secured to the truck, position the MAIN LIGHTING HARNESS such that both of the large, gray VEHICLE HEADLIGHT CONNECTORS are near the truck headlights and the smaller, black PLOW HEADLIGHT CONNECTORS are near the grill of the vehicle.

- 6. Plug the HEADLIGHT GROUND/RELAY (BLACK & GREEN/YELLOW) CONNECTOR, from the vehicle wire harness, into the connector on the main lighting harness. With the connection made, plug each HEADLIGHT RELAY into the receptacles. Securely mount the 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. Next, remove the front directional light assembly on the driver's side of the vehicle. Feed the VIOLET, turn light wire and GRAY, run light wire from the main lighting harness through the opening in the directional light housing. At this point, use a test light or ohm meter to determine the proper wires in the vehicle's electrical system to splice into. Once you have identified the proper wires, position one end of the turn or run light wire into a SPLICE LOCK CONNECTOR provided. Attach the vehicle wire to the opposite side of the splice lock connector. Complete the splice by pinching both wires together and locking the connector. Repeat the splice procedure for the remaining wire. The passenger's side directional light assembly requires the same installation; however, only one wire, the PINK, turn light, needs to be spliced.

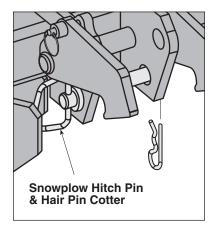


- 9. Begin the adapter kit installation by removing the existing vehicle headlight connector from the headlight. Attach the HEADLIGHT ADAPTER CONNECTOR to the existing vehicle headlight connector. Next, plug the BLACK, FIVE-PIN CONNECTOR on the headlight adapter into the gray, five-pin connector on the vehicle wire harness. Lastly, plug the HEADLIGHT ADAPTER CONNECTOR into the vehicle headlight receptacle. Note: If more than one plug is present, match the colors of each connector (ie gray to gray, black to black, Chevrolet daylight running is clear to gray). Repeat the installation for the opposite headlight.
- 10. Once the headlight adapter connections are completed, proceed to 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 PLOW HEADLIGHT CONNECTORS, from the main lighting harness, through the grill of the vehicle and position the HARNESS POWER PLUG and WEATHER CAP near the bumper. Cable tie the power plug to the vehicle bumper or tow hook to keep the harness from hanging too low.
- 11. Return to the driver's side cab interior to install the remainder of the vehicle wire harness. Find an accessible location for the PLOW HEAD-LIGHT TOGGLE SWITCH & BRACKET under the dashboard. Install the headlight bracket using two self-drilling screws. Insert the toggle switch through the bracket and secure it with the hardware provided. Use the MALE 2-PIN POWER CONNECTOR to connect the toggle switch to the vehicle wire harness.

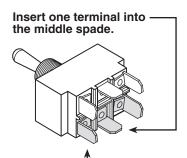
First, insert the 24" GREEN/YELLOW GROUND LEAD into the FEMALE 2-PIN POWER CONNECTOR (on the vehicle wire harness).



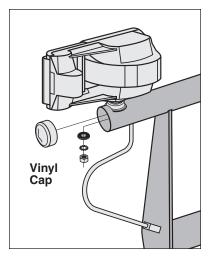
The vehicle wire harness is packaged with three 12V quick connect, sealed headlight relays. The relays install into the black receptacles located on the main lighting harness. Review the diagram on page 28.



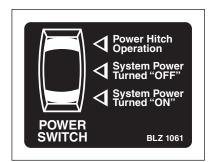
In the event you should lose hydraulic power while snowplowing, raise the snowplow into a pile of snow and insert the emergency hitch pin provided with your plow. The pin will lock the plow in a temporary raised position until proper service can be performed to restore hydraulic power. Note: For clarity, the draw latch is not illustrated.



Remaining terminal connects to either spade on the SAME side of the switch.



The black vinyl caps provided with your snowplow install at each end of the light tower. Adjust the plow headlights as desired, secure each with hardware provided and finish the installation by capping the light tower ends.



This lead should be grounded to the vehicle. Next, plug both of the SWITCH LEADS into the toggle switch. *Note: Both terminals should be inserted into the spades on the same side of the switch. One terminal should be positioned in the middle spade. See the illustration to the left and on page 32.* Plug both 2-pin power connectors together.

- 12. Connect the RED 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.
- 13. Next, install the LIGHT TOWER. Position the tower 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 relock the pins. See your local Blizzard dealer for complete installation instructions for your vehicle undercarriage.
- 14. Proceed to install the PLOW HEADLIGHTS. Align one HEADLIGHT BALL STUD MOUNT ADAPTER on the light tower tube with the mounting hole and insert the threaded stud through each. Secure the headlight with one 1/2" galvanized washer (neoprene facing up), one 7/16" external tooth lock washer and hex nut. Note: All snowplows are shipped with two BLACK VINYL CAPS that install at either end of the light tower. Connect the terminals from the plow lights to the terminals on the main lighting harness. Repeat the installation for the opposite headlight.
- 15. Align the four mount holes on the JOYSTICK CONTROL with the holes located on the JOYSTICK BENCH MOUNT PEDESTAL. *Note:* The radius on the pedestal should face the dashboard. Secure the joystick to the pedestal with four 8-32 x 3/4" machine screws provided. Next, slide the VELCRO® STRAP through the slots cut in the pedestal. The metal D-RING should be located on the side opposite of the radius. Wrap the strap around the bench and fasten. Finally, connect the white power connector from the vehicle wire harness to the connector on the control station. The power switch on the joystick should be in the "OFF" position. See the diagram to the left.

This completes the electrical assembly installation for the vehicle wire harness and main lighting harness. You are now ready to perform all of the test functions on the snowplow.

Testing The Snowplow

1. Fill the HYDRAULIC PUMP FLUID RESERVOIR with BLIZZARD SNOWPLOW RAPID ACTION HYDRAULIC OIL (P/N 63070) until it is approximately 3/4" from the top of the tank. Replace the cap on the reservoir. Proceed to remove the weather caps from each of the plow and vehicle wire harnesses and connect the plugs. Turn the POWER SWITCH on the joystick in the cab to the "ON" position and turn the vehicle ignition switch on. You now have power to the snowplow. Once all of the hydraulic functions have been executed, the system will have been filled with approximately 3 to 3-1/2 quarts of hydraulic oil.

- 2. Raise the POWER HITCH on the snowplow by pushing and holding the toggle switch on the A-frame upward into the "CONNECT" position. Note: The switch on the control must be in the "POWER HITCH OPERATION" position before the Power Hitch will function. See the label illustration on page 12. 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 draw latch will lower. Refill the reservoir until the fluid is 3/4" from the top of the tank.
- 3. Position the vehicle such that the draw latch is below the push beam and the mounting points on the A-frame are in line with the mounting points 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 (See diagram on page 14). Move the snowplow in position by activating the draw latch connect switch and release.



WARNING: Always use caution when operating the draw latch CONNECT/DISCONNECT switch. Keep your hands and feet away from the operation of the draw latch and the main blade. The action of the draw latch moves the snowplow in position for proper attachment to the vehicle. Failure to follow this warning may result in serious injury or death.

The Power Hitch will raise until it hits the push beam and the DRAW LATCH FINGERS will pull the plow into the vehicle. The mounting points on the plow and vehicle are now positively aligned. Rotate the A-frame latch counterclockwise until the latch is locked in the raised position. Note: The A-frame latch pin should always lock in place. Do not set the pin past the lock point on the A-frame. Insert the two HITCH PINS through the mounting holes on the A-frame and secure each with one hair pin cotter. The snowplow is now securely mounted to the vehicle.

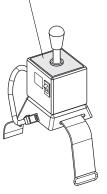
- 4. Return to the interior of the vehicle. With the plow securely in place, you can now execute the remaining functions of the snowplow. The power supply on the joystick should be in the "ON" position. Next, raise the plow to its maximum height by pulling back ("RAISE") on the joystick. Angle the snowplow to the left by moving the joystick toward the "L" (left angle) on the label. If the plow function is slow or delayed, the hydraulic fluid is filling the cylinder and replacing the air in the system. Continue testing the remaining joystick functions. Monitor the fluid level in the reservoir and fill to 3/4" from the top of the tank if needed. Also, look for any hydraulic fluid leaks around the manifold, pump, hydraulic hoses and all cylinders.
- 5. Lastly, check that the vehicle and plow headlights are in proper working condition including the turn signals. If necessary, adjust the plow headlight beams with the plow in the raised position.

Congratulations on a successful assembly and installation! Once all of the blade and electrical functions have been tested your Blizzard straight blade is ready for action. Should you need additional support during a plow assembly or undercarriage installation, contact your local authorized Blizzard dealer.



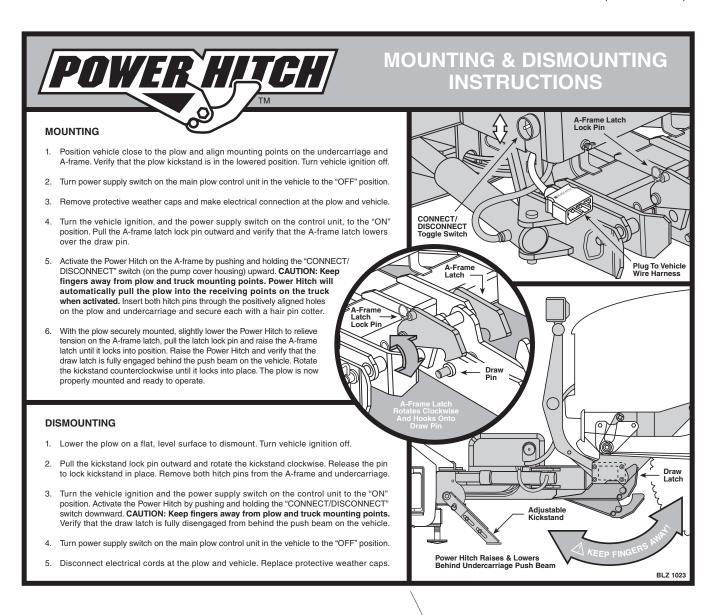
Your Blizzard straight blade snowplow will use approximately 1-1/2 to 2 quarts of Blizzard Rapid Action Hydraulic Oil. Blizzard hydraulic oil is also available by the case (P/N 63071), gallon (P/N 63072) or gallon case (P/N 63069). See your local authorized Blizzard dealer for price and availability.



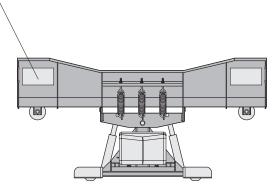


Power Hitch™ Instruction

Prior to operating your straight blade, review the Mounting & Dismounting Instructions label at the driver's side rear of the moldboard (shown below).



Should the Mounting & Dismounting Instructions label or any of the labels that came with your snowplow become hard to read or wear off, contact your local authorized Blizzard dealer for replacements.



Regular Maintenance

Your Blizzard straight blade snowplow has been designed for years of rugged, dependable service with low maintenance. To ensure proper working condition, follow the maintenance guidelines below and on the next page.



CAUTION: Always follow the maintenance guidelines in a timely fashion. Failure to observe maintenance guidelines may result in poor snowplow operation, increased component wear or possibly lead to part failure.

Routinely inspect the following items – perform maintenance as needed:

- 1. All fasteners, pins, nuts and bolts for tightness. See the recommended maximum bolt torque chart on page 33.
- 2. All hydraulic hoses and hydraulic hose adapters for wear and leaks. See the recommended hydraulic adapter torque values on page 33.
- 3. All cylinders for leaks; inspect rod ends for corrosion and pitting.
- 4. Cutting edges and plow shoes for wear. Do not discard plow shoe washers. These should be retained for different shoe adjustments.
- 5. Clean and lubricate all electrical plugs, headlight connections, ground and battery cables, solenoid connections and switch connections to prevent corrosion. Apply dielectric grease for every 25 hours of snowplow use. You may need to grease more frequently depending on your plowing environment.
- 6. Lubricate all pins and bushings to prevent corrosion and to maintain consistent operation, including the A-frame latch. A NLGI Grade 2 multipurpose lithium complex grease with molybdenum (MPGM) is recommended for lubrication.
- 7. Clean and cover deep scratches or exposed metal with Blizzard Snowplow white (P/N 61219) or black (P/N 63073) touch-up paint. Contact your local Blizzard Dealer for availability.
- 8. Check the hydraulic oil level in the hydraulic pump fluid reservoir. Fill the fluid to within 3/4" from the top of the reservoir. Do not exceed this level. Never mix different types of fluids. Contact your local dealer for replacement Blizzard Snowplow Rapid Action Hydraulic Oil (P/N 63070).
- 9. 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.
- 10. To adjust the snowplow drop speed, use the variable flow control valve (FC) on the manifold (see label under pump & manifold cover). Turn the dial on the valve clockwise to decrease the drop speed. Turn the dial counterclockwise to increase the drop speed. See the Troubleshooting Guide on page 35 for additional instructions.
- 11. Do not allow snow and ice to build-up on the pump and manifold cover. Excessive build-up may cause bumper damage when the plow is raised.

Maintenance Performed	Date
	1

Maintenance Schedule

Annual Fluid Replaceme	
Type & Quantity of Fluid Replaced	Date

Storing Your Snowplow

Placing Your Plow In Storage

- 1. Position your plow on a flat, level surface for storage. Follow the dismounting procedure illustrated on page 14.
- 2. Pressure wash and dry the entire snowplow prior to placing in storage.
- 3. Apply a liberal amount of dielectric grease to all electrical plugs and connections. Clean and install all dust caps.
- 4. Lubricate all exposed hydraulic cylinder rod ends with liquid white lithium grease to prevent corrosion.
- Lubricate all pins and bushings to prevent corrosion and to maintain consistent operation, including the A-frame latch. A NLGI Grade 2 multipurpose lithium complex grease with molybdenum (MPGM) is recommended for lubrication.
- 6. Clean and cover deep scratches or exposed metal with Blizzard Snowplow white (P/N 61219) or black (P/N 63073) touch-up paint. Contact your local Blizzard dealer for availability.
- 7. Remove and properly discard the fluid from the pump reservoir. Clean the pump filter and replace the hydraulic oil 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 oil. Contact your local dealer for replacement Blizzard Snowplow Rapid Action Hydraulic Oil (P/N 63070).
- 8. Cover the snowplow with a tarp if stored outside. This will protect your plow from sun fading and inclement weather which can lead to accelerated corrosion.

Removing Your Plow From Storage

- 1. Perform all regular maintenance indicated on page 15.
- 2. If you have not replaced the hydraulic oil in the pump reservoir, it is strongly encouraged that you do so prior to operating your plow. Prolonged storage could result in condensation build-up.
- 3. Follow the mounting procedure illustrated on page 14.
- 4. Once the plow has been properly mounted to the vehicle and all electrical connections have been made, initiate all of the functions of the snowplow. Monitor the fluid level in the reservoir and fill to 3/4" from the top of the tank if needed.
- 5. Adjust the snowplow headlights as needed.

Plow Specifications

Moldboard
Length
760LT7'-6"
7607'-6"
8008'-0"
8608'-6"
Thickness12 Gauge
Height
760LT29"
760, 800 & 86031"
Reinforcement
760LT4 Ribs @ 3/16"
760, 800 & 8606 Ribs @ 1/4"
Cutting Edge
760LT3/8" x 6" (1080)
760, 800 & 860
FinishPowder Coat - White
Trip Mechanism
Trip Spring Type
760LT(3) 3/8" Hooked Extension
760, 800 & 860(4) 3/8" Hooked Extension
Trip Spring Adjustment
All Models5/8"-11 x 4-3/8" Spade Bolts
All Models
A-frame
MaterialRec. Tube & Channel Type
MaterialRec. Tube & Channel Type Hitch Pins3/4" x 6" Yellow Zinc
MaterialRec. Tube & Channel Type
Material
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb Mount A-frame Install w/Hex Head Screws
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb Mount A-frame Install w/Hex Head Screws
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb. Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick Manifold
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick Manifold Red Anodized Aluminum
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick Manifold Red Anodized Aluminum Ports 4
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick Manifold Construction Red Anodized Aluminum Ports 4 Cartridge Valves 5
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick Manifold Red Anodized Aluminum Ports 4 Cartridge Valves 5 Relief Valve 1
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb. Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick Manifold Construction Red Anodized Aluminum Ports 4 Cartridge Valves 5 Relief Valve 1 Flow Control Valve 1
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb. Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick Manifold Construction Red Anodized Aluminum Ports 4 Cartridge Valves 5 Relief Valve 1 Flow Control Valve 1 Weight 13.3 lb.
Material Rec. Tube & Channel Type Hitch Pins 3/4" x 6" Yellow Zinc Finish Powder Coat - Black Pump Construction Steel Housing w/Clear Plastic Tank Type Internal Gear Pump Size 2.5 cc Motor 12V Starter Volume Per Minute 1.6 GPM @ 2000 PSI Weight 32 lb. Mount A-frame Install w/Hex Head Screws Reservoir Capacity 2 quarts Controls Toggle Switch & Joystick Manifold Construction Red Anodized Aluminum Ports 4 Cartridge Valves 5 Relief Valve 1 Flow Control Valve 1

Stroke
760LT9-3/8"
760, 800 & 86010"
Ram Diameter
All Models1-3/4"
Bore Diameter
All Models2"
Lower/Raise Cylinder
Stroke
All Models4-5/8"
Ram Diameter
All Models1-1/4"
Bore Diameter
760LT2-1/2"
760, 800 & 860
,
Plow Headlights
TypeLow Profile w/Turn Signals
Measurements
HousingPlastic Composite
MountAdjustable Ball Type
Bulb TypeHigh/Low Sealed Beam Halogen, 12V Rectangular
Switch Type
,,
Miscellaneous
Plow Weight*
760LTApprox. 550 lb.
760Approx. 720 lb.
800Approx. 750 lb.
860Approx. 765 lb.
Amperage Draw**
760LTApprox. 145A
760, 800 & 860Approx. 135A
Adjustable Plow Shoes
760LT(2) Standard
760, 800 & 860(2) Heavy-Duty Cast Steel
Mount MechanismHydraulic Power Hitch
Control StationJoystick or Touch Pad
,

^{*}Plow weight does not include vehicle undercarriage.

Angle Cylinders

Unless otherwise indicated, all specifications are for Models 760LT, 760, 800 & 860 straight

Blizzard Corporation reserves the right, under its Continuous Improvement Policy, to change construction or design details and furnish equipment when so altered without reference to illustrations or specifications.

^{**}Amperage draw specifications are based on the snowplow lift operation, at a shop temperature of 65°F, using Blizzard Snowplow Rapid Action Hydraulic Oil. Amperage will vary with temperature, oil viscosity and meter accuracy. Deadheading a plow function will result in

				МС	DEL	S 760LT, 760, 800 & 860 PA	RTS LIST	
Ref.	Part		Build G	Quantity		Part Description		
No.	No.	760LT	760	800	860			
						Moldboard Assembly Parts		
1	81006	1	N/A	N/A	N/A	Moldboard Weldment - Model 760LT	Note: The reference numbers listed identify parts shown	
	84006 80006	N/A N/A	1 N/A	N/A 1	N/A N/A	Moldboard Weldment - Model 760 Moldboard Weldment - Model 800	in the illustrations on pages 22-24. These numbers are	
	80020	N/A	N/A	N/A	1	Moldboard Weldment - Model 860	specific to these illustrations only and do not correspond with other diagrams in the manual. Always review the part	
2	61165	1	N/A	N/A	N/A	Cutting Edge, Moldboard (1080) - Model 760LT	number given for proper component identification.	
	61168	N/A	1	N/A	N/A	Cutting Edge, Moldboard (1080) - Model 760		
	61164	N/A	N/A	1	N/A	Cutting Edge, Moldboard (1080) - Model 800		
3	61528 61196	N/A 8	N/A 8	N/A 8	1 8	Cutting Edge, Moldboard (1080) - Model 860 Bolt, Carriage, 1/2"-13 x 1-1/2" Grade 8 P		
4	61365	8	8	8	8	Nut, Flanged Lock, 1/2"-13 Z		
5A	61098	2	N/A	N/A	N/A	Plow Shoe Assembly, Standard (7-3/4" Shaft) - M	odel 760LT: (1) - 5 & 7, (18) - 6	
	61220	N/A	2	2	2		3" Shaft) - Models 760, 800 & 860: (1) - 5 & 7, (18) - 6	
5	61102	2	2	2	2	Spacer, 1-5/8" O.D, 1-1/8" I.D. x 1-1/2" YZ		
6	61101	36	36	36	36	Washer, Flat, 1", 1-3/4" O.D., 1-1/16" I.D. YZ		
7 8A	61103 61049	2 2	2 2	2 2	2 2	Pin, Linch, 7/16" x 1-3/4" YZ Plow Guide Assembly: (2) - 8 & 9		
8	61051	4	4	4	4	Screw, Hex Head Cap, 5/16"-18 x 1" Grade 5 Z		
9	61052	4	4	4	4	Nut, Nylon Insert Lock, 5/16"-18 Z		
10	61176	1	1	N/A	N/A	Decal, Passenger's Side Moldboard (BLZ 1019) - Mo		
l l	61178	N/A	N/A	1	1	Decal, Passenger's Side Moldboard (BLZ 1021) - Mo	odels 800 & 860	
11 12	61181 61175	1 1	1	1	1	Label, WARNING! (BLZ 1024) Decal, Center Moldboard (BLZ 1018)		
13	61180		1			Label, Power Hitch™ Mounting & Dismounting Instru	ctions (BLZ 1023)	
14	61177	1 1	1	N/A	N/A	Decal, Driver's Side Moldboard (BLZ 1020) - Models	,	
	61179	N/A	N/A	1	1	Decal, Driver's Side Moldboard (BLZ 1022) - Models	800 & 860	
15	63063	1	1	1	1	Label, Serial Number, Sequentially Numbered (BLZ	1049)	
16	61188	3	4	4	4	Nut, Nylon Insert Lock, 5/8"-11 Type NE	ND 04/00 LD V7	
17 18	61064 61201	3	4 4	4	4 4	Washer, SAE Mil-Carb High-Strength, 5/8", 1-5/16" (Bolt, Spade, 5/8"-11 x 4-3/8" Grade 8 Z	J.D., 21/32" I.D. YZ	
19	61167	3	N/A	N/A	N/A	Spring, Extension, 12-15/16" O.A.L. x 2-3/8" O.D. x 3	/8" Wire Diameter - Model 760LT	
	61099	N/A	4	4	4	Spring, Extension, 15-1/4" O.A.L. x 2-3/8" O.D. x 3/8"		
						Pivot Beam & A-frame Assembly Parts		
20	83000	1	N/A	N/A	N/A	Pivot Beam Weldment - Model 760LT		
			IN/A			Pivot Beam Weldment - Model 760LT		
	41041	N/A	1	1	1	Pivot Beam Weldment - Models 760, 800 & 860		
21A	41039	1	1 1	1 1	1 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2	6, (3) - 24	
21	41039 61152	1 1	1 1 1	1 1 1	1 1 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ	6, (3) - 24	
21 22	41039 61152 41038	1 1 1	1 1 1	1 1 1 1	1 1 1 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment	6, (3) - 24	
21 22 23	41039 61152 41038 41047	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment	6, (3) - 24	
21 22	41039 61152 41038	1 1 1	1 1 1	1 1 1 1	1 1 1 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment		
21 22 23 24 25 26	41039 61152 41038 41047 61020 61026 61057	1 1 1 3 2 2	1 1 1 1 3 2 2	1 1 1 1 1 3 2 2	1 1 1 1 1 3 2 2	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" C Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ	D.D., 17/32" I.D.YZ	
21 22 23 24 25 26 27	41039 61152 41038 41047 61020 61026 61057 61293	1 1 1 1 3 2 2	1 1 1 1 3 2 2	1 1 1 1 1 3 2 2	1 1 1 1 1 3 2	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207	D.D., 17/32" I.D. YZ Wire Diameter	
21 22 23 24 25 26 27 28	41039 61152 41038 41047 61020 61026 61057 61293 41037	1 1 1 1 3 2 2 1	1 1 1 1 3 2 2 1	1 1 1 1 1 3 2 2 1	1 1 1 1 1 3 2 2	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain	D.D., 17/32" I.D. YZ Wire Diameter	
21 22 23 24 25 26 27	41039 61152 41038 41047 61020 61026 61057 61293	1 1 1 1 3 2 2	1 1 1 1 3 2 2	1 1 1 1 1 3 2 2	1 1 1 1 1 3 2 2	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207	D.D., 17/32" I.D. YZ Wire Diameter	
21 22 23 24 25 26 27 28 29	41039 61152 41038 41047 61020 61026 61057 61293 41037 50069	1 1 1 3 2 2 1 1 2	1 1 1 1 3 2 2 1 1	1 1 1 1 1 3 2 2 1 11 2	1 1 1 1 1 3 2 2 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ	D.D., 17/32" I.D. YZ Wire Diameter	
21 22 23 24 25 26 27 28 29 30	41039 61152 41038 41047 61020 61026 61057 61293 41037 50069 41051 61357 61331	1 1 1 3 2 2 1 1 2 4 8	1 1 1 1 1 3 2 2 1 1 1 2 4 8 N/A	1 1 1 1 1 1 3 2 2 1 1 11 2 4 8 N/A	1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" C Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT	
21 22 23 24 25 26 27 28 29 30 31 32	41039 61152 41038 41047 61020 61026 61057 61293 41037 50069 41051 61357 61331 61330	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1	1 1 1 1 1 3 2 2 2 1 11 2 4 8 N/A	1 1 1 1 1 3 2 2 1 2 1 2 4 8 N/A	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" G Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank)	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT	
21 22 23 24 25 26 27 28 29 30 31 32	41039 61152 41038 41047 61026 61026 61057 61293 41037 50069 41051 61357 61331 61330 61008	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1	1 1 1 1 1 1 3 2 2 2 1 1 11 2 4 8 N/A 1 1 1	1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT	
21 22 23 24 25 26 27 28 29 30 31 32	41039 61152 41038 41047 61020 61026 61057 61293 41037 50069 41051 61357 61331 61330 61008 60065	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 2	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1,N/A	1 1 1 1 1 3 2 2 1 11 2 4 8 N/A	1 1 1 1 1 3 2 2 1 2 4 8 N/A	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860	
21 22 23 24 25 26 27 28 29 30 31 32	41039 61152 41038 41047 61026 61026 61057 61293 41037 50069 41051 61357 61331 61330 61008	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1	1 1 1 1 1 1 3 2 2 2 1 1 11 2 4 8 N/A 1 1 1	1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860	
21 22 23 24 25 26 27 28 29 30 31 32 33 34	41039 61152 41038 41047 61020 61026 61057 61293 41037 50069 41051 61357 61331 61330 61008 60065 60029 60091 60005	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 3	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3	1 1 1 1 1 1 3 2 2 2 1 1 11 2 4 8 N/A 1 1 N/A 2 2 3	1 1 1 1 1 1 3 2 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" G Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Angle - Models 760, 800 & Hydraulic Hose (Ports #1 & #2), 3/8" x 24" Hydraulic Adapter, 9/16"-18 x 9/16"-18 90° Adjustabl	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B.	
21 22 23 24 25 26 27 28 29 30 31 32 33 34	41039 61152 41038 41047 61020 61026 61027 61293 41037 50069 41051 61337 61331 61330 61008 60029 60091 60005 60236	1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 3 1	1 1 1 1 1 3 2 2 1 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A	1 1 1 1 1 1 3 2 2 2 1 1 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A	1 1 1 1 1 3 2 2 1 2 4 8 N/A 1 1,N/A 2 2 3 N/A	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" G Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Angle - Models 760, 800 & Hydraulic Hose (Ports #1 & #2), 3/8" x 24" Hydraulic Adapter, 9/16"-18 x 9/16"-18 90" Adjustabl Hydraulic Cylinder, Plow Raise/Lower - Model 760LT	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B.	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	41039 61152 41038 41047 61020 61026 61027 61293 41037 50069 41051 61357 61331 61330 61008 60065 60029 60091 60005 60236 60255	1 1 1 1 3 2 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 N/A	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1	1 1 1 1 1 3 2 2 1 11 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1	1 1 1 1 1 3 2 2 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (2 Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Models 760, 800 & Hydraulic Hose (Ports #1 & #2), 3/8" x 24" Hydraulic Gylinder, 9/16"-18 x 9/16"-18 90° Adjustabl Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Hydraulic Cylinder, Plow Raise/Lower - Model 760LT	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B.	
21 22 23 24 25 26 27 28 29 30 31 32 33 34	41039 61152 41038 41047 61020 61026 61057 61293 41051 61357 61331 61330 61008 60065 60029 60091 60005 60255 82061	1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 N/A	1 1 1 1 1 3 2 2 1 11 2 4 8 N/A 1 N/A 2 2 3 N/A 1 N/A	1 1 1 1 1 3 2 2 1 2 4 8 N/A 1 N/A 2 2 3 N/A 1 N/A	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (2 Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Angle - Model 760, 800 & Hydraulic Hose (Ports #1 & #2), 3/8" x 24" Hydraulic Adapter, 9/16"-18 x 9/16"-18 90' Adjustabl Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Hydraulic Cylinder, Plow Raise/Lower - Model 760LT	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B.	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	41039 61152 41038 41047 61020 61026 61027 61293 41037 50069 41051 61357 61331 61330 61008 60065 60029 60091 60005 60236 60255	1 1 1 1 3 2 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 N/A	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1	1 1 1 1 1 3 2 2 1 11 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1	1 1 1 1 1 3 2 2 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (2 Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Models 760, 800 & Hydraulic Hose (Ports #1 & #2), 3/8" x 24" Hydraulic Gylinder, 9/16"-18 x 9/16"-18 90° Adjustabl Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Hydraulic Cylinder, Plow Raise/Lower - Model 760LT	D.D., 17/32" I.D.YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B.	
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21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	41039 61152 41038 41047 61020 61026 61057 61293 41037 50069 41051 61357 61331 61308 60065 60029 60091 60005 60236 60255 82061 40124 60272 60007	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 3 1 N/A 1 N N/A 1 N/A 1 N/A 1 N/A 1 N/A 1 N/A 1 N/A 1 N N/A 1 N N N N N N N N N N N N N N N N N N	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 N/A 1 N/A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 3 2 2 1 1 11 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 N/A 1 1 1 3	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 N/A 1 1 1 3	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (2 Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Hose (Ports #1 & #2), 3/8" x 24" Hydraulic Hose (Ports #1 & #2), 3/8" x 24" Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 6" YZ - Model 760, 800 & 860 Hydraulic Hose (Port #3), Straight/45", 3/8" x 17" - P Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 6 Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 6	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B. 100 & 860 o) low Raise/Lower, Extend (Base End) e Elbow O.R.B. Connector	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	41039 61152 41038 41047 61020 61026 61057 61293 41051 61357 61331 61336 61008 60065 60029 60091 60005 60236 60255 82061 40124 60273 60027 60007 600274	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 3 1 N/A 1 N/A 1 N/A 1 1 N/A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 N/A 2 2 3 N/A 1 N/A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 3 2 2 1 1 11 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 N/A 1 1 1 1 3 1	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 N/A 2 2 3 N/A 1 N/A 1 1 1 1 3 1	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" (2 Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760, 800 & 861 Hydraulic Hose (Port #3), Straight/45", 3/8" x 17" - P Hydraulic Adapter, 9/16"-18 x 9/16"-18 45" Adjustabl Hydraulic Adapter, 9/16"-18 x 9/16"-18 45" Adjustabl Hydraulic Hose (Port #3), Straight/45", 3/8" x 17" - P	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B. 100 & 860 o) low Raise/Lower, Extend (Base End) e Elbow O.R.B. Connector	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	41039 61152 41038 41047 61020 61026 61057 61293 41051 61357 61331 61330 61008 60065 60029 60091 60025 82061 40124 60273 60272 60007 60274 61358	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 3 1 N/A 1 N/A 1 1 3 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 1 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 3 2 2 1 1 11 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 N/A 1 1 1 3 1 3	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 1 1 3 1 3 1 3	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" Grade 8 YZ Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Angle - Model 760, 800 & Hydraulic Cylinder, Plow Raise/Lower - Model 760, 80 Hydraulic Cylinder, Plow Raise/Lower - Model 760, 80 Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760, 80 Pin, Clevis, 5/8" DIA. x 6" YZ - Model 760, 800 & 860 Hydraulic Hose (Port #3), Straight/45", 3/8" x 17" - P Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 61 Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 61 Hydraulic Hose (Port #4), Straight/45", 3/8" x 15" - P Nut, Flanged Wing, 3/8"-16 Z	D.D., 17/32" I.D. YZ Wire Diameter less Steel nk) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B. 100 & 860 o) low Raise/Lower, Extend (Base End) e Elbow O.R.B. Connector	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	41039 61152 41038 41047 61020 61026 61057 61293 41037 601357 61331 61330 61008 60065 60029 60091 60005 60236 60255 82061 40124 60272 60007 60274 61358 61012	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 N/A 2 3 1 N/A 1 1 1 1 3 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 3 2 2 1 1 11 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 N/A 1 1 1 3 2 2	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 N/A 1 1 1 3 1 3 2	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Angle - Model 760, 800 & Hydraulic Adapter, 9/16"-18 x 9/16"-18 90' Adjustabl Hydraulic Cylinder, Plow Raise/Lower - Model 760, 80 Fin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 3/4" DIA. x 6" YZ - Model 760, 800 & 860 Hydraulic Adapter, 9/16"-18 x 9/16"-18 45' Adjustabl Hydraulic Adapter, 9/16"-18 x 9/16"-18 45' Adjustabl Hydraulic Adapter, 9/16"-18 x 9/16"-18 45' Adjustabl Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 6 Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 6 Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 6 Hydraulic Hose (Port #4), Straight/45", 3/8" x 15" - P Nut, Flanged Wing, 3/8"-16 Z Screw, Hex Head Cap, 3/8"-16 x 3/4" Grade 8 YZ	D.D., 17/32" I.D.YZ Wire Diameter less Steel Ink) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B. Oo & 860 olow Raise/Lower, Extend (Base End) e Elbow O.R.B. Connector low Raise/Lower, Retract (Rod End)	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	41039 61152 41038 41047 61020 61026 61057 61293 41051 61357 61331 61330 61008 60065 60029 60091 60025 82061 40124 60273 60272 60007 60274 61358	1 1 1 1 3 2 2 1 1 2 4 8 1 N/A 1 2 N/A 2 3 1 N/A 1 N/A 1 1 3 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 1 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 3 2 2 1 1 11 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 N/A 1 1 1 3 1 3	1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 1 1 3 1 3 1 3	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" Grade 8 YZ Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Angle - Model 760, 800 & Hydraulic Cylinder, Plow Raise/Lower - Model 760, 80 Hydraulic Cylinder, Plow Raise/Lower - Model 760, 80 Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760, 80 Pin, Clevis, 5/8" DIA. x 6" YZ - Model 760, 800 & 860 Hydraulic Hose (Port #3), Straight/45", 3/8" x 17" - P Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 61 Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male O.R.B. 61 Hydraulic Hose (Port #4), Straight/45", 3/8" x 15" - P Nut, Flanged Wing, 3/8"-16 Z	D.D., 17/32" I.D.YZ Wire Diameter less Steel Ink) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 e Elbow O.R.B. Oo & 860 olow Raise/Lower, Extend (Base End) e Elbow O.R.B. Connector low Raise/Lower, Retract (Rod End)	
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	41039 61152 41038 41047 61020 61026 61057 61293 41037 50069 41051 61357 61331 61330 61008 60065 60029 60091 60005 60236 60255 82061 40124 60273 60272 60007 60274 61358 61012 61016	1 1 1 1 2 2 1 1 2 4 8 1 N/A 1 2 3 1 N/A 1 N/A 1 1 N/A 1 1 N/A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 3 2 2 1 1 11 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 1 3 2 3 3	1 1 1 1 1 1 3 2 2 1 1 2 4 8 N/A 1 1 N/A 2 2 3 N/A 1 1 1 3 2 3 3 2 3	Pivot Beam Weldment - Models 760, 800 & 860 Kickstand Assembly: (1) - 21-23, 27, 28, (2) - 25, 2 Screw, Hex Head Cap, 1/2"-13 x 4-1/2" Grade 8 YZ Kickstand Leg Weldment Kickstand Foot Weldment Nut, Top Lock, 1/2"-13 Grade C Z Washer, SAE Mil-Carb High-Strength, 1/2", 1-1/16" G Screw, Hex Head Cap, 1/2"-13 x 1-1/4" Grade 8 YZ Spring, Compression, 2" O.A.L. x 1.101" O.D., 0.207 Bushing, Stepped, 1.13" O.D., 0.53" I.D. x 3/8", Stain Pin, Clevis, 3/4" DIA. x 3" YZ Pin, Clevis, 3/4" DIA. x 5" YZ Pin, Cotter, 1/4" x 1-1/2" Z Screw, Hex Head Cap, 1"-8 x 8-1/2" (with 7-1/8" Sha Screw, Hex Head Cap, 1"-8 x 9" (with 7-3/4" Shank) Nut, Top Lock, 1"-8 Grade C Z Hydraulic Cylinder, Plow Angle - Model 760LT Hydraulic Cylinder, Plow Angle - Models 760, 80 & Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Hydraulic Cylinder, Plow Raise/Lower - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 3/4" DIA. x 6" YZ - Model 760LT Pin, Clevis, 3/4" DIA. x 6" YZ - Model 760LT Pin, Clevis, 3/4" DIA. x 6" YZ - Model 760LT Pin, Clevis, 3/4" DIA. x 6" YZ - Model 760LT Pin, Clevis, 3/4" DIA. x 6" YZ - Model 760LT Pin, Clevis, 3/4" DIA. x 6" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 760LT Pin, Clevis, 5/8" DIA. x 5-3/4" YZ - Model 76	D.D., 17/32" I.D.YZ Wire Diameter less Steel Ink) Grade 8 P - Model 760LT Grade 8 P - Models 760, 800 & 860 860 9 Elbow O.R.B. 100 & 860 1) Iow Raise/Lower, Extend (Base End) e Elbow O.R.B. Connector low Raise/Lower, Retract (Rod End)	

				МС	DEL	S 760LT, 760, 800 & 860 PARTS LIST
Ref.	Part		Build C	Quantity		Part Description
No.	No.	760LT	760	800	860	
						Pivot Beam & A-frame Assembly Parts (Continued)
49	61218	1	1	1	1	Screw, Hex Head Cap, 3/8"-16 x 2" Grade 8 YZ
50	61034	1	1	1	1	Nut, Top Lock, 3/8"-16 Grade C Z
51 52A	62038 82048	1	N/A	N/A	1 N/A	Switch, Toggle, DPDT, (On)-Off-(On), 16 Amps, 115V AC - Draw Latch Connect/Disconnect A-frame Assembly - Model 760LT: (1) - 48-50, 52 (82043), 55-57, 61, (2) - 60, (4) - 58, 59
02A	40105	N/A	1	1	1	A-frame Assembly - Models 760, 800 & 860: (1) - 48-50, 52 (40091), 55-57, 61, (2) - 60, (4) - 58, 59
52	82043	1	N/A	N/A	N/A	A-frame Weldment - Model 760LT
	40091	N/A	1	1	1	A-frame Weldment - Models 760, 800 & 860
53 54	61426 61105	3	3	3	3	Pin, Hitch, 3/4" x 6" YZ Pin, Hair Cotter, 9/64" DIA. x 2-11/16" Z
55	40079	3	3	3	3	Pin, A-frame Latch, 3/8" DIA. x 1-3/4", Stainless Steel
56	61000	3	3	3	3	Spring, Compression, 0.94" O.A.F.L. x 0.36" O.D., 0.029" Wire Diameter, Stainless Steel
57	61309	3	3	3	3	Ring, Standard Split, Stainless Steel
58	61312	4	4	4	4	Screw, Hex Head Cap, 5/16"-18 x 3/4" Grade 8 YZ
59 60	61011 40088	4 2	4 2	4 2	4 2	Washer, Split Lock, 5/16" YZ High-Alloy Bushing, A-frame Pivot, Replaceable
61	61295	1	1	1	1	Label, Power Hitch Connect/Disconnect Switch (BLZ 1037)
						Draw Latch Assembly Parts
62A	82049	1	N/A	N/A	N/A	Draw Latch Assembly - Model 760LT: (1) - 31, 62, 63, 65, 66, 68-76, (2) - 64 & 67
	40109	N/A	1	1	1	Draw Latch Assembly - Models 760, 800 & 860: (1) - 31, 62, 63, 65, 66, 68-70, 72-76, (2) - 64, 67, 71
62	82035 40080	1 N/A	N/A 1	N/A 1	N/A 1	Outer Draw Latch Plate Weldment, Driver's Side - Model 760LT Outer Draw Latch Plate Weldment, Driver's Side - Models 760, 800 & 860
63	82050	1	N/A	N/A	N/A	Pin, Draw, 1" DIA. x 5-5/8" (with 13/64" DIA. Cotter Pin Hole) BZ - Model 760LT
	40110	N/A	1	1	1	Pin, Draw, 1" DIA. x 6-1/2" (with 13/64" DIA. Cotter Pin Hole) YZ - Models 760, 800 & 860
64	61363	2	2	2	2	Pin, Cotter, 3/16" x 2-1/2" Z
65	61200	1	N/A	N/A	N/A	Screw, Hex Head Cap, 3/4"-10 x 4" Grade 8 YZ - Model 760LT
66	61004 82055	N/A 1	1 N/A	1 N/A	1 N/A	Screw, Hex Head Cap, 3/4"-10 x 4-1/2" Grade 8 YZ - Models 760, 800 & 860 Pin, Clevis, 3/4" DIA. x 3-7/16" BZ - Model 760LT
	50071	N/A	1	1	1	Pin, Clevis, 3/4" DIA. x 3-41/64" YZ - Models 760, 800 & 860
67	82014	2	N/A	N/A	N/A	Inner Draw Latch Plate - Model 760LT
00	40074	N/A	2	2	2	Inner Draw Latch Plate - Models 760, 800 & 860
68	82027 40070	1 N/A	N/A 1	N/A 1	N/A 1	Pin, Draw Latch Mount (To A-frame), 1" x 3-7/8" BZ - Model 760LT Pin, Draw Latch Mount (To A-frame), 1" x 4-21/32" YZ - Models 760, 800 & 860
69	82054	1	N/A	N/A	N/A	Draw Latch Arm Weldment - Model 760LT
	40114	N/A	1	1	1	Draw Latch Arm Weldment - Models 760, 800 & 860
70	82058	1	N/A	N/A	N/A	Draw Latch Finger Weldment - Model 760LT
71	40123 82033	N/A 1	1 N/A	1 N/A	1 N/A	Draw Latch Finger Weldment - Models 760, 800 & 860 Pin, 5/8" x 2-3/8" BZ, Inner Draw Latch Plate/Hyd. Cyl. Rod End, Plow Raise/Lower - Model 760LT
' '	40042	N/A	2	2	2	Pin, 3/4" x 2-1/2", Draw Latch Arm Pivot Pin/Hyd. Cyl. Rod End, Plow Raise/Lower - Models 760, 800 & 860
72	82024	1	N/A	N/A	N/A	Pin, 3/4" x 2-3/8" Draw Latch Arm Pivot - Model 760LT
73	40093	1	1	1	1	Bushing, 1-1/4" O.D., 1-1/16" I.D. x 1-1/2" YZ
74	82036 40081	1 N/A	N/A 1	N/A 1	N/A 1	Outer Draw Latch Plate Weldment, Passenger's Side - Model 760LT Outer Draw Latch Plate Weldment, Passenger's Side - Models 760, 800 & 860
75	40116	1		1	1	Spacer, 1" O.D., 25/32" I.D. x 5/8" YZ
76	61006	1	1	1	1	Nut, Top Lock, 3/4"-10 Grade C Z
						Hydraulic Pump & Manifold Assembly Parts
77A	60101	1	1	1	1	Hydraulic Pump Assembly (Fenner Fluid Power-DB1484): (1) - 77-80, 60312, 60215, 61268, 60313,
77	60045	1	1	1	1	60128, 60218, 60314, 60315, 60316 & 60317 Reservoir, Hydraulic Pump (Fenner - 3853-AC)
78	60046	1	i	i	1	Reservoir Cap, Hydraulic Pump (Fenner - 8060-CC)
79	60044	1	1	1	1	Hex Cap, Relief Valve, Hydraulic Pump (Fenner - S3-1015-07)
80	60047	1	1	1	1	Motor, 12VDC, Hydraulic Pump (Fenner - 1787-AC)
N/A N/A	60312 60215	1	1	1	1	Pin, 1/8" x 1/4" (Fenner - F6-4000-25) O-Ring, -348 Nitrile (Fenner - G1-1073-48)
N/A	61268	4	4	4	4	Bolt, Hex Washer Head, #12-24 x 0.50 (Fenner - 3346-AA)
N/A	60313	1	1	1	1	Pump Assembly, Short Spline (Fenner - PS-2.5)
N/A	60128	1	1	1	1	Filter, 149 Micron, 1.5" x 1.0" L2574 (Fenner - 4303-AA)
N/A	60218	1	1	1	1	Elbow, Nylon, X-111 (Fenner - T2-5001-00) Coupling, SAE 9T-20/40 1.260" (Fenner - 1118-AA)
N/A N/A	60314 60315	1		1	1 1	Coupling, SAE 91-20/40 1.250" (Fenner - 1118-AA) Spring, RV 3000-4000 PSI, Black (Fenner - C1-1009-01)
N/A	60316	1	1	1	1	Adjustment, Valve Screw, B-1 (Fenner - W5-1020-95)
N/A	60317	1	1	1	1	Ball, Steel (G50), 0.375" (Fenner - 1172-AA)
81	61307	1	1	1	1	Washer, Internal/External Tooth Lock, 3/8"
82 83	40119 63099	1	1	1	1	Cover, Hydraulic Pump & Manifold, 1/4" Polyethylene Label, Hydraulic Hose Identification Guide (BLZ 1054)
84	60038	2	2	2	2	O-ring, 3/32" C.S.W., 9/16" I.D., 3/4" O.D. Neoprene, 70 Durometer
85	61222	2	2	2	2	Washer, Split Lock, 3/8" High-Alloy YZ
				1		

				МО	DEL	S 760LT, 760, 800 & 860 PARTS LIST
Ref.	Part		Build C	Quantity		Part Description
No.	No.	760LT	760	800	860	
					Ну	draulic Pump & Manifold Assembly Parts (Continued)
86	61214	2	2	2	2	Screw, Hex Head Cap, 3/8"-16 x 1-1/4" Grade 8 YZ
87	61010	2	2	2	2	Screw, Hex Head Cap, 5/16"-18 x 3-3/4" Grade 8 YZ
88A 88	60270 60269	1	1	1	1	Manifold Assembly: (1) - 36, 88, 90, 92, 94A, 96, 97, 99-101, (2) - 41, 89, 91, 93, (5) - 95 Manifold Block (with Cross Port Relief), Red Anodized Aluminum
89	60006	2	2	2	2	Hydraulic Adapter, 9/16"-18 90° Swivel Elbow
90	60072	1	1	1	1	Hydraulic Adapter, 9/16"-18 x 9/16"-18 Male Extra Long Elbow
91	60050	2	2	2	2	Plug, -6 SAE Hollow Hex (61010007)
92	60173	1	1	1	1	Coupling, Test Port, 7/16"-20 O.R.B. (61600095)
93 94A	60167 62148	2 1	2 1	2 1	2 1	Valve, Spool, Four-Way, Two Position C.C. (86020197 w/o screen) Coil Harness Assembly: (1) - 98, 62045, 62117, (4) - 94, (5) - 62096, 62097 & 62116
N/A	62045	1	1	1	1	Connector, Electric, Male, Plastic
N/A	62096	15	15	15	15	Seal, Cable, Silicone, Orange (18 AWG)
N/A	62097	5	5	5	5	Terminal, Male (18-16 AWG)
N/A	62116	5	5	5	5	Silicone Cavity Plug, White (18-16 AWG)
N/A	62117	1	1	1	1	Terminal, End Ring, 3/8" I.D. Copper, 8 Gauge
94 95	62114 60052	4 5	4 5	4 5	4 5	Coil, PDL 10V DC Nut, Hex Jam, 1/2"-20 YZ
96	60168	1	1	1	1	Valve, Relief, 3000 PSI (85020340)
97	60170	1	1	1	1	Valve, Spool, Three-Way, Two Position (85002279 w/o screen)
98	62115	1	1	1	1	Coil, DDL 10V DC
99	60166	1	1	1	1	Valve, Spool, Three-Way, Two Position (86020195 w/o screen)
100	60169	1	1	1	1	Valve, Flow Control (85002054)
101	60165	1	1	1	1	Valve, N.C., Two-Way (86020190)
						Snowplow Wire Harness Assembly Parts
102A		1	1	1	1	Wire Harness Assembly, Plow: (1) - 102, 103, 61439, 62046 & 62167, (10) - 62093 & 62096
102 103	62057 62001	1	1	1	1	Wire Harness, Plow Weather Cap, Rubber, Plow Wire Harness
N/A	62046	1	1	1 1	1	Connector, Electric, Female, Plastic
N/A	62093	10	10	10	10	Terminal, Female (18-16 AWG)
N/A	61439	2	2	2	2	Cable Tie, 13", Black
N/A	62167	1	1	1	1	Harness, Diode Loop
						Vehicle Wire Harness Assembly Parts
104A	62149	1	1	1	1	Wire Harness Assembly, Vehicle - Triple Relay Version: (1) - 104, 105, 61439, 62124, 62151, 62008,
						62009, 62056, (3) - 108, 62016, 62144, (4) - 62072
104	62150	1	1	1	1	Wire Harness, Vehicle - Triple Relay Version
105 N/A	62000 62124	1	1	1	1	Weather Cap, Rubber, Vehicle Wire Harness Fuse, 1/4" DIA. x 1-1/4" BUSS AGC 15A, 32V
N/A	62151	1		1 1	1 1	Main Lighting Harness - Triple Relay Version
N/A	62144	3	3	3	3	Headlight Relay, CB1-D-12V, Standard Quick Connect w/Diode Inside
N/A	62042	1	N/A	N/A	N/A	Power Contactor (Solenoid), 12VDC-100A Continuous, High Performance
N/A	62178	N/A	1	1	1	Power Contactor (Solenoid), 12VDC-225A Continuous, High Performance
N/A	62056	1	1	1	1	Ground Wire, Power Contactor, 24"
N/A N/A	62072 62008	4	4	4	4	Terminal, End Ring, 3/8" I.D. Copper, 4 Gauge Fuse Clip, Mini
N/A	62009	1	1	1	1	Fuse Clip, Numi
N/A	62016	3	3	3	3	Connector, Splice Lock (18-14 AWG)
N/A	62126	1	1	1	1	Ground Lead (Green/Yellow Wire), 24" with #10 Ring Terminal
N/A	62127	1	1	1	1	Switch Lead, On/Off Plow Light (Green/Yellow Wires), 24" with Two 1/4" Receptacles
N/A 106	62024 61041	1	1	1	1	Switch,Toggle, DPDT, On-On, 20 Amps, 125V AC - Plow/Vehicle Headlights Bracket, Plow/Vehicle Headlight Toggle Switch
106	61088	1	1			Label, Plow/Vehicle Headlight Toggle Switch Bracket (BLZ 1008)
108	61031	5	5	5	5	Screw, Hex Washer Self-Drilling, 12-14 x 3/4"
109A	61106	2	2	2	2	Headlight Assembly, Plow (Specify Driver's or Passenger's Side): (1) - 109/110, 111-115, 62061
109	61107	1	1	1	1	Headlight, Plow, Driver's Side
110	61108	1	1	1	1	Headlight, Plow, Passenger's Side
111 N/A	62032 62061	2 2	2 2	2 2	2 2	Wire Harness (with 5-pin plug), Plow Headlight Bulb, Sealed Beam Halogen, Glass, Plow Headlight (H6545/H4666)
N/A N/A	62062	1	1	1	1	Corrosion Preventive Compound (2 fl.oz.)
112	61231	2	2	2	2	Adapter, Ball Stud Mount, Headlight
113	61550	2	2	2	2	Washer, Neoprene Backing, 1/2" I.D., 1" O.D., Galvanized
114	61112	2	2	2	2	Washer, External Tooth Lock, 7/16" YZ
115	61111	2	2	2	2	Nut, Hex, 7/16"-14 Grade 8 YZ
116 117	61427 39034	2	2 N/A	2 N/A	2 N/A	Cap, 2-1/4" I.D., 2-3/8" O.D. x 3/4", Black Vinyl Light Tower - Model 760LT
'''	39034	N/A	1	1	1	Light Tower - Models 760, 800 & 860

				МО	DEL	S 760LT, 760, 800 & 860 PARTS LIST				
Ref.	ef. Part Build C		Build G	uantity		Part Description				
No.	No.	760LT	760	800	860	·				
						Vehicle Wire Harness Assembly Parts (Continued)				
118A	62073	1	1	1	1	Control Station Assembly, Joystick: (1) - 118, 119 & 123				
118	62074	1	1	1	1	Control Station, Joystick				
119	63106	1	1	1	1	Label, Plow Power Switch, On/Off (BLZ 1061)				
120	61185	1	1	1	1	Base Plate, 1/8" ABS Plastic, Joystick Control Station				
121	61127	1	1	1	1	Strap (Velcro® with 2" Metal D-Ring), Black, 61"				
122	61254	4	4	4	4	Screw, Pan Head Machine, 8-32 x 3/4" Z				
123	61174	1	1	1	1	Label, Control Station, Joystick (BLZ 1017)				
124	30042	N/A	1	1	1	Undercarriage Weldment, 1999-Current, Chevrolet/GMC 2500 Series				
125	61128	1	N/A	N/A	N/A	Decal, Undercarriage Push Beam, 1-1/2" x 9-1/4" (BLZ 1004)				
126	61085	N/A	1	1	1	Decal, Undercarriage Push Beam, 2-1/4" x 13-7/8" (BLZ 1003)				
						Miscellaneous Assembly Parts				
N/A	61354	1	N/A	N/A	N/A	Kit, Hardware, Snowplow Assembly Parts - Model 760LT: (1) 45-47, 81, (2) 29, 44, (3) 16-18, 43, (4) 30, (6) 31				
N/A	61353	N/A	1	1	1	Kit, Hardware, Snowplow Assembly Parts - Models 760, 800 & 860: (1) 45-47, 81, (2) 29, 44, (3) 43, (4) 16-18, 30, (6) 31				
N/A	60276	1	1	1	1	Kit, Hydraulic Adapter: (1) 40 & 90, (2) 89, (3) 36 & 41				
N/A	60281	1 1	i	1	li	Kit, Hydraulic Hose: (1) 39 & 42, (2) 35				
N/A	61255	1	1	1	l i	Kit, Hardware, Moldboard Cutting Edge: (8) 3 & 4				
N/A	61256	1 1	N/A	N/A	N/A	Cutting Edge (with Hardware Kit), Moldboard - Model 760LT: (1) - 61165, 61255				
N/A	61258	N/A	1	N/A	N/A	Cutting Edge (with Hardware Kit), Moldboard - Model 760: (1) - 61168, 61255				
N/A	61259	N/A	N/A	1	N/A	Cutting Edge (with Hardware Kit), Moldboard - Model 800: (1) - 61164, 61255				
N/A	61532	N/A	N/A	N/A	1	Cutting Edge (with Hardware Kit), Moldboard - Model 860: (1) - 61528, 61255				

Snowplow Accessories (continued from page 1)



Blizzard Snowplow Rapid Action Hydraulic Oil P/N 63070 (Quart) P/N 63071 (12 Quarts/Case) P/N 63072 (Gallon) P/N 63069 (4 Gallons/Case)

Blizzard hydraulic oil is specially formulated for use in Blizzard snowplows. This zinc-free product can

significantly enhance the operation and performance of the hydraulic system in the most inclement weather conditions. Blizzard hydraulic oil maintains its viscosity to temperatures as low as -60°F. Blizzard oil is available by the quart, gallon or case.



Blizzard Snowplow Touch-Up Paint P/N 61219 (Gloss White) P/N 63073 (Gloss Black)

Putting your snowplow away for the winter? Have a deep scratch to cover? Clean up your blade and plow parts with our gloss spray paints. Blizzard snowplow touch-

up paint provides an excellent finish to help keep your snowplow looking its best. Paint provided in 12 oz. spray cans.



Adjustable Pedestal Mount (For use with all controls) P/N 63078 (12" Shaft)

Easy-to-install and flexible, our adjustable pedestal mount will position your straight blade snowplow control station how you want it! Available in a 12" extension, this

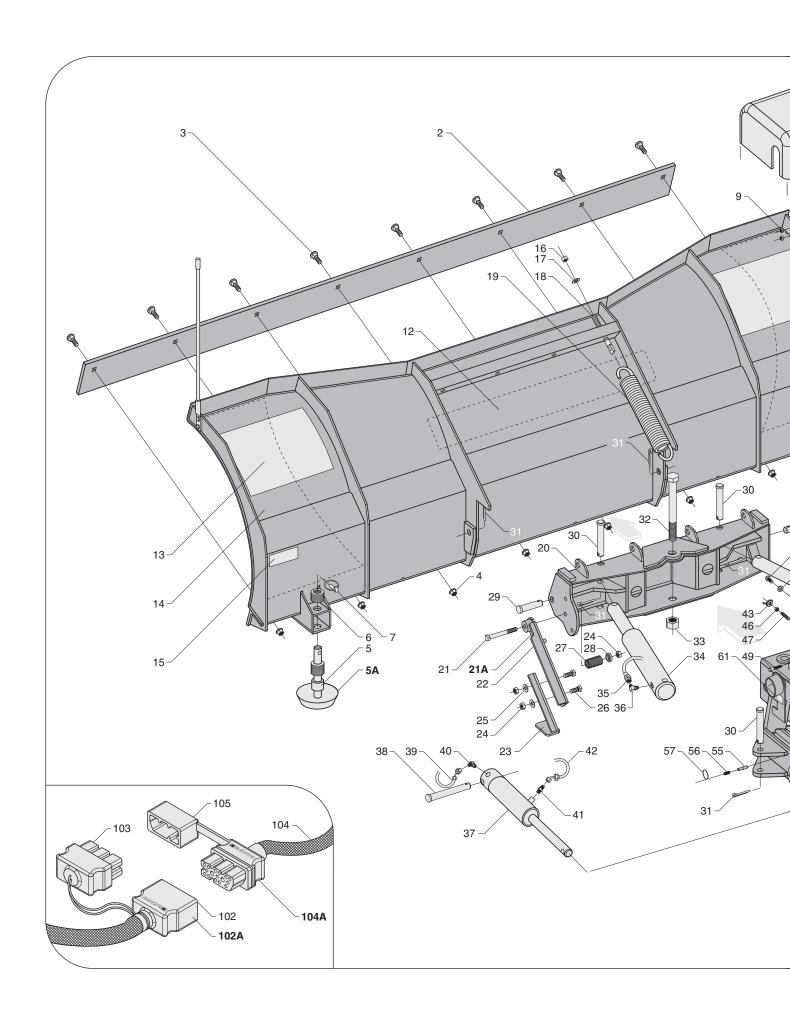
quality built accessory will install on all Blizzard snowplow control stations in minutes! Ideal for bucket seat vehicles with low center consoles. Pedestal mount accessory shipped with complete hardware and adapter plate.

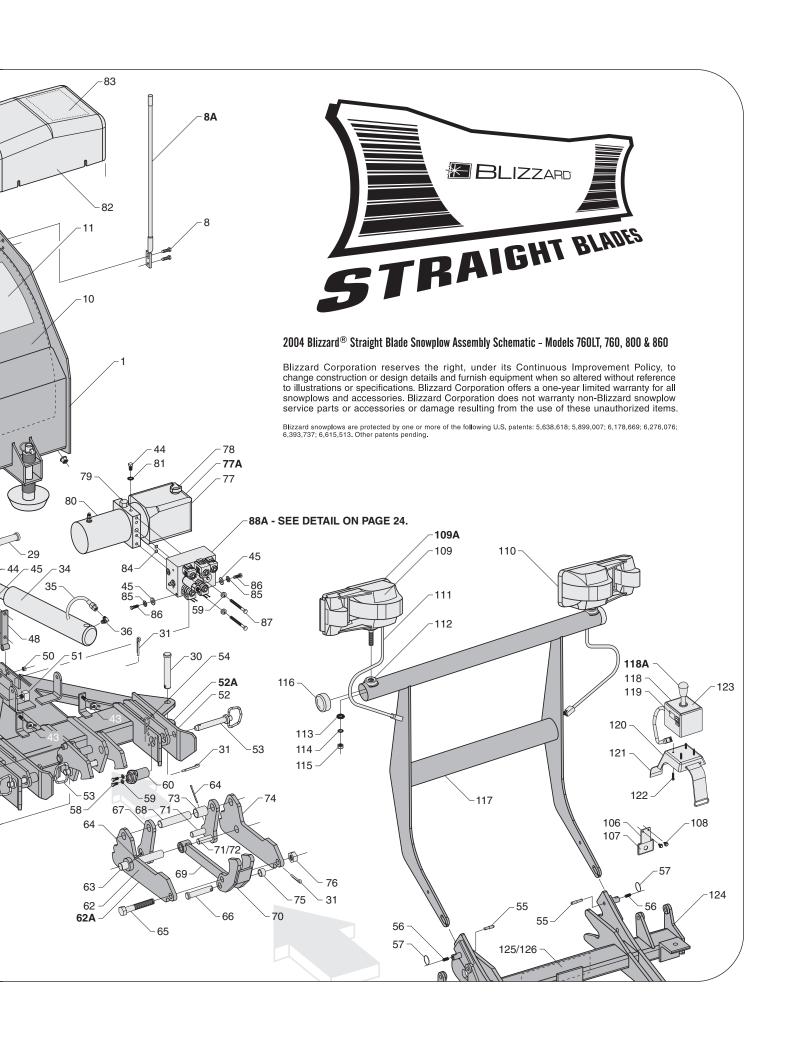


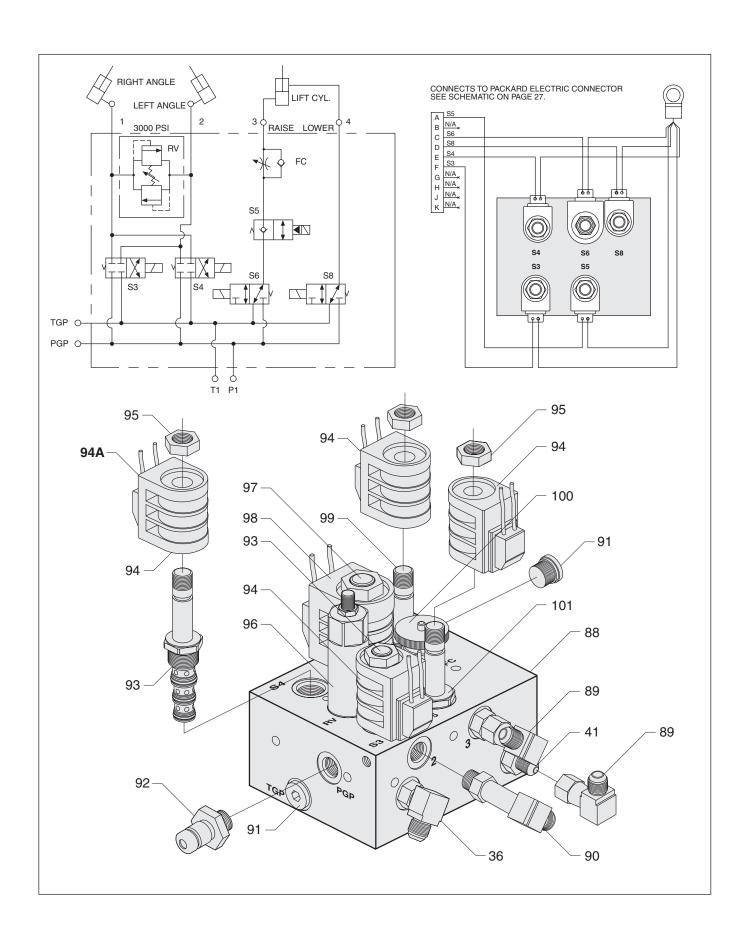
Straight Blade Joystick Window Mount Bracket P/N 61261

This adjustable bracket mounts easily to your straight blade joystick control and installs quickly onto any door panel. Ideal for left hand joystick operation or for

vehicles with center consoles. The window mount bracket is shipped complete with hardware. Some assembly required.

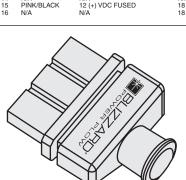


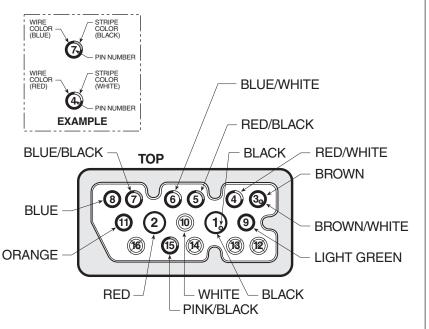




BLIZZARD HARNESS PLUG (VEHICLE) UNIVERSAL 14 + 2 MOLD

PIN NO.	COLOR	FUNCTION	AWG
1	BLACK	GROUND	4
	BLACK	GROUND	18
2	RED	12 VOLT DC (+)	4
3	BROWN/WHITE		18
	BROWN	PUMP SOLENOID TO MOLEX	18
4	RED/WHITE	RIGHT SLIDE BOX EXTEND	18
5	RED/BLACK	RIGHT SLIDE BOX RETRACT	18
6	BLUE/WHITE	LEFT SLIDE BOX EXTEND	18
7	BLUE/BLACK	LEFT SLIDE BOX RETRACT	18
8	BLUE	LEFT ANGLE	18
9	LT. GREEN	RIGHT ANGLE	18
10	WHITE	LIFT	18
11	ORANGE	FLOAT	18
12	N/A	N/A	N/A
13	N/A	N/A	N/A
14	N/A	N/A	N/A
15	PINK/BLACK	12 (+) VDC FUSED	18
16	N/A	N/A	18

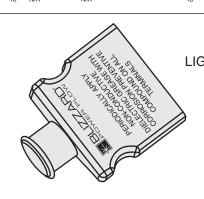


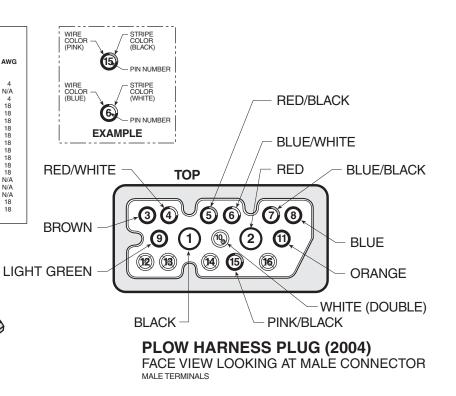


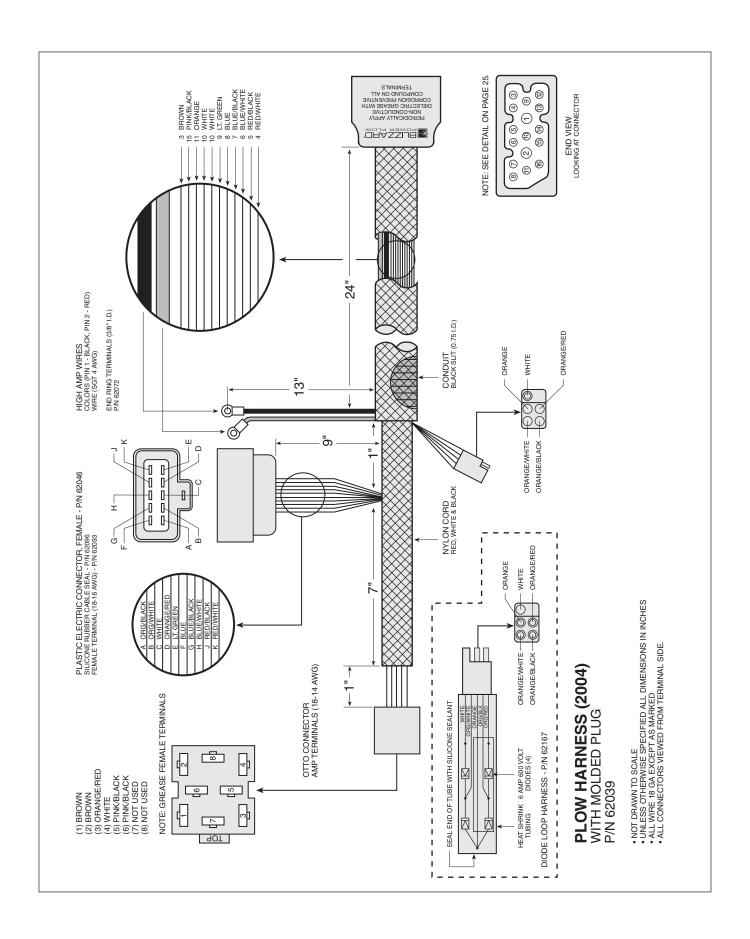
VEHICLE HARNESS PLUG (2004) FACE VIEW LOOKING AT FEMALE CONNECTOR FEMALE TERMINALS

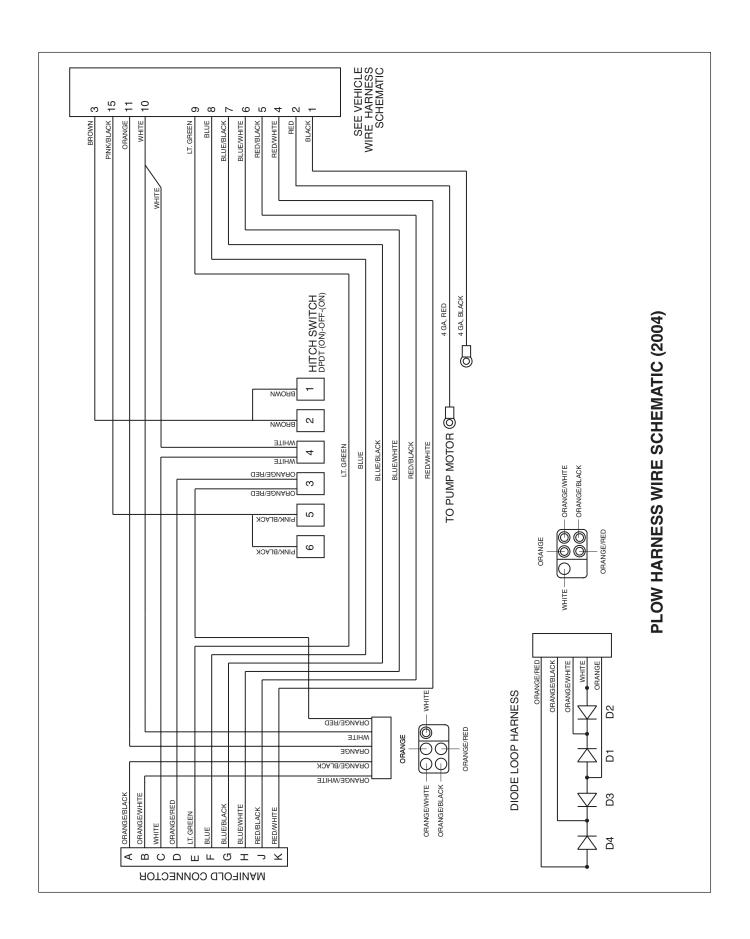
COLOR BLACK GROUND 1 GROUND N/A 12 VOLT DC (+) PUMP SOLENOID RIGHT SLIDE BOX EXTEND RIGHT SLIDE BOX RETRACT LEFT SLIDE BOX RETRACT LEFT SLIDE BOX RETRACT LEFT ANGLE RIGHT ANGLE LIFT LIFT N/A RED BROWN N/A 4 18 18 18 18 18 18 18 18 N/A N/A 18 18 BROWN RED/WHITE RED/BLACK BLUE/WHITE BLUE/BLACK BLUE LT. GREEN WHITE 10 LIFT LIFT FLOAT N/A N/A N/A 12 (+) VDC FUSED N/A WHITE ORANGE N/A PINK/BLACK N/A

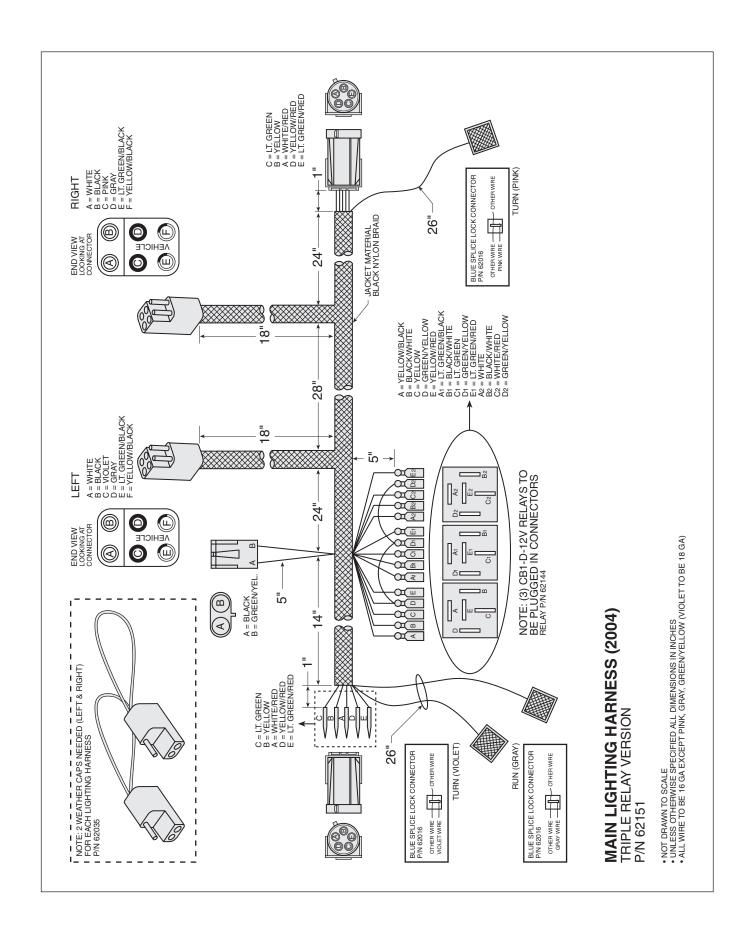
BLIZZARD HARNESS PLUG (PLOW)

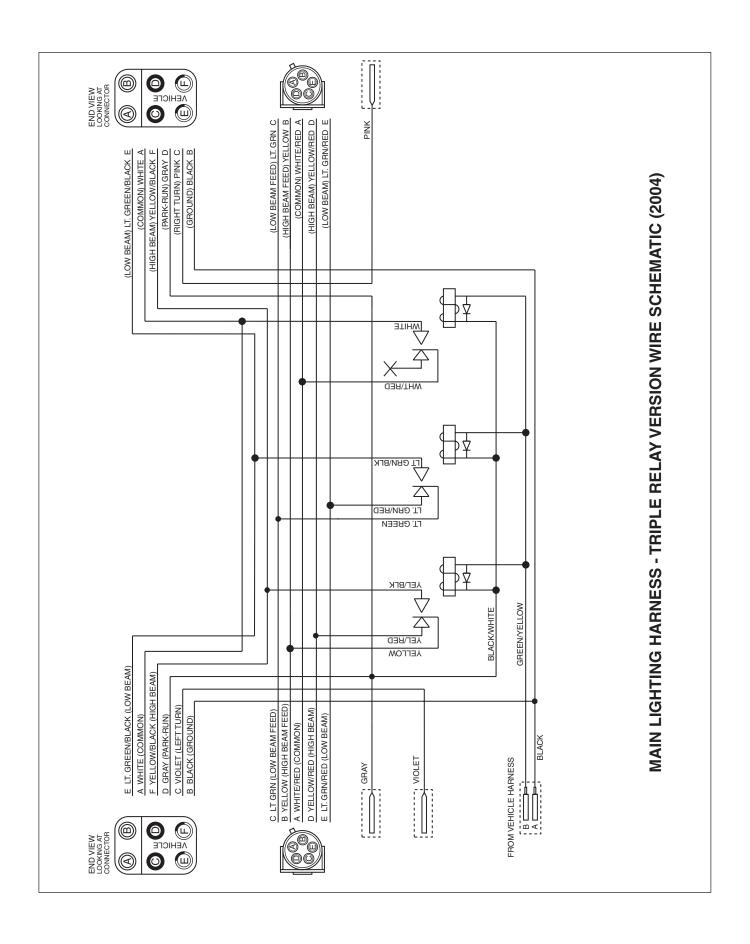


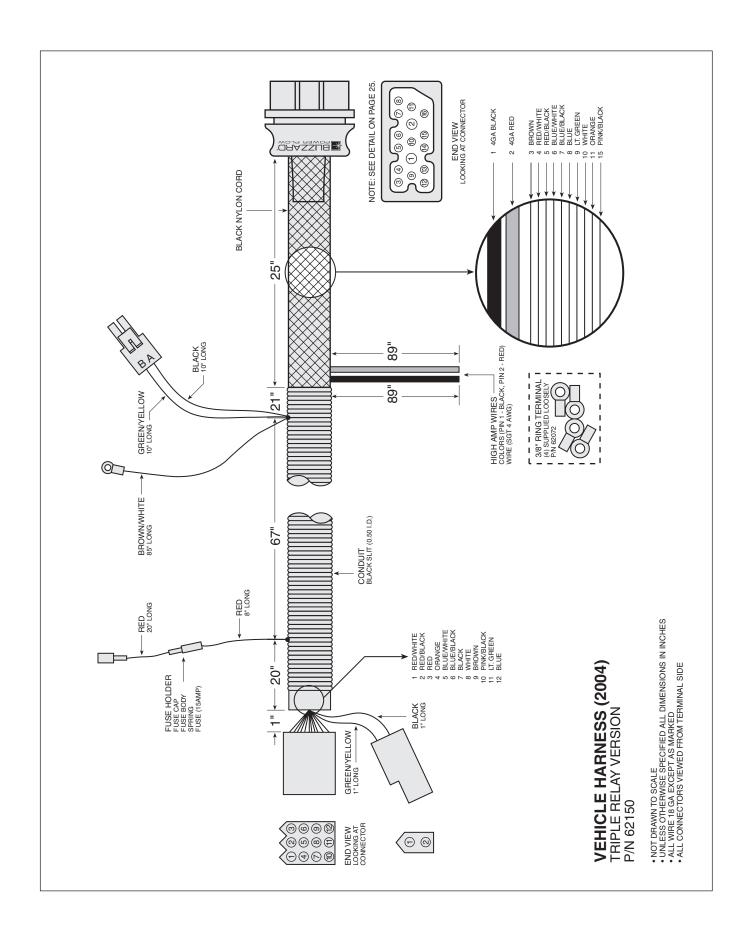


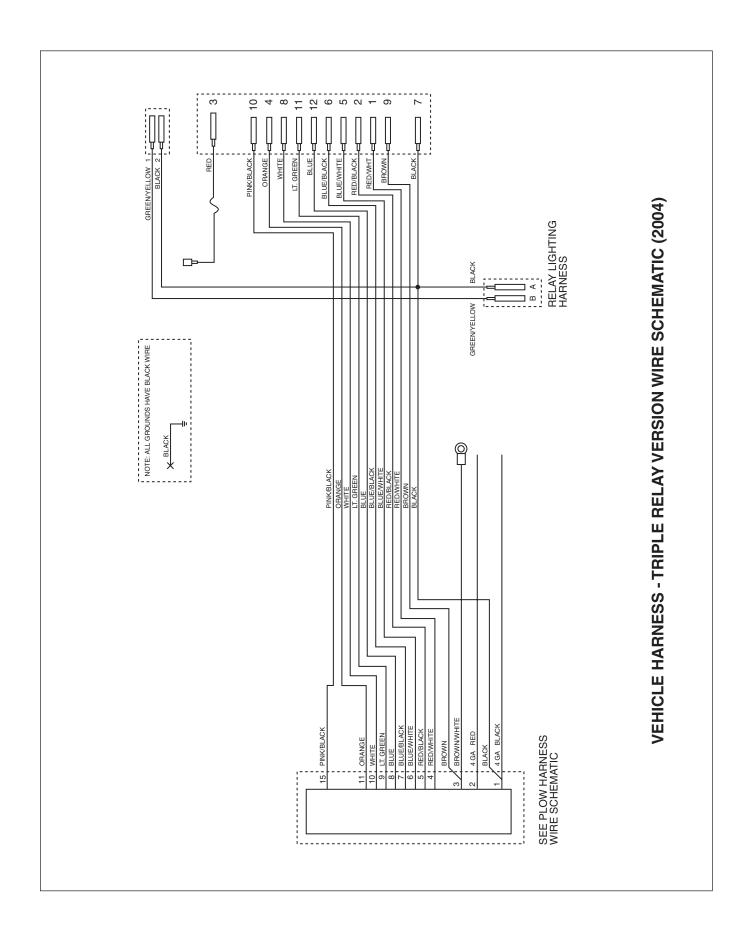


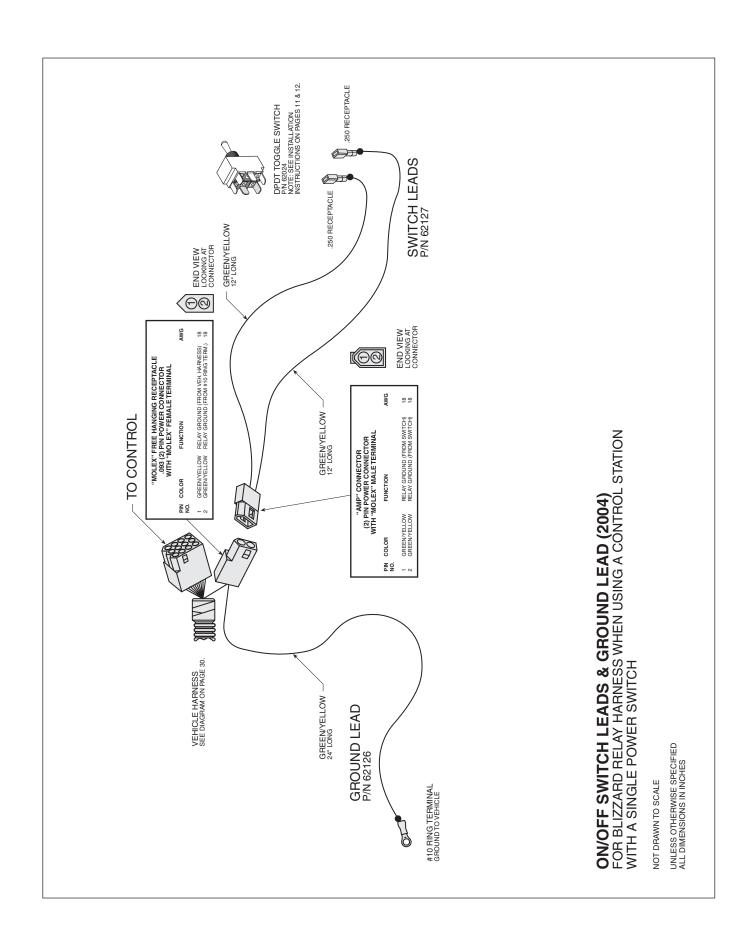












Torque Specifications



Grade Identification Marking for J429 - Grade 5 Bolt

- Material: Medium carbon steel: quenched and tempered
- Minimum Proof Strength: 85,000 psi
- Minimum Tensile Strength: 120,000 psi
- Core Hardness Rockwell (min.): C25, (max.): C34
- Minimum Yield Strength: 92,000 psi



Grade Identification Marking for J429 - Grade 8 Bolt

- Material: Medium carbon alloy steel:quenched and tempered
- Minimum Proof Strength: 120,000 psi
- Minimum Tensile Strength: 150,000 psi
- Core Hardness Rockwell (min.): C33, (max.): C39
- Minimum Yield Strength: 130,000 psi

Nominal	S	AE J429 - Grade	5	Nominal		SAE J429 - Grade 8		
Thread	Clamp Loads	Tighteni	ng Torque	Thread	Clamp Loads	Tightening Torque		
Size	(Pounds)	"Lubricated"	"Dry"	Size	(Pounds)	"Lubricated"	"Dry"	
1/4-20	2,000	6.25 ft-lbs	8.34 ft-lbs	1/4-20	2,850	8.92 ft-lbs	11.93 ft-lbs	
5/16-18	3,350	13.25 ft-lbs	17.5 ft-lbs	5/16-18	4,700	18.35 ft-lbs	25.44 ft-lbs	
3/8-16	4,950	23 ft-lbs	31 ft-lbs	3/8-16	6,950	32.5 ft-lbs	44 ft-lbs	
7/16-14	6,800	37 ft-lbs	50 ft-lbs	7/16-14	9,600	53 ft-lbs	70 ft-lbs	
1/2-13	9,050	57 ft-lbs	75 ft-lbs	1/2-13	12,800	80 ft-lbs	107 ft-lbs	
9/16-12	11,600	82 ft-lbs	109 ft-lbs	9/16-12	16,400	115 ft-lbs	154 ft-lbs	
5/8-11	14,500	113 ft-lbs	151 ft-lbs	5/8-11	20,300	159 ft-lbs	211 ft-lbs	
3/4-10	21,300	200 ft-lbs	266 ft-lbs	3/4-10	30,100	282 ft-lbs	376 ft-lbs	
7/8-9	29,435	321 ft-lbs	430 ft-lbs	7/8-9	41,550	454 ft-lbs	606 ft-lbs	
1-8	38,600	482.5 ft-lbs	640 ft-lbs	1-8	54,540	680 ft-lbs	900 ft-lbs	



Grade Identification Marking for Metric - Grade 8.8 Bolt

- Material: Medium carbon steel: quenched and tempered
- Minimum Proof Strength: 580 MPa
- Minimum Tensile Strength: 800 MPa
- Core Hardness Rockwell (min.): C22, (max.): C32
- Minimum Yield Strength: 640 MPa



Grade Identification Marking for Metric - Grade 10.9 Bolt

- Material: Low carbon alloy steel: quenched and tempered
- Minimum Proof Strength: 830 MPa
- Minimum Tensile Strength: 1040 MPa
- Core Hardness Rockwell (min.): C32, (max.): C39
- Minimum Yield Strength: 940 MPa

Diameter		Metric Class 8.8		Diameter		Metric Class 10.9		
(millimeters)	Clamp Loads	Tighteni	ng Torque	(millimeters)	Clamp Loads	Tightening Torque		
	(Pounds)	"Lubricated"	"Dry"		(Pounds)	"Lubricated"	"Dry"	
5	1,389	3.42 ft-lbs	4.56 ft-lbs	5	1,987	4.89 ft-lbs	6.52 ft-lbs	
6	1,965	5.81 ft-lbs	7.80 ft-lbs	6	2,812	8.34 ft-lbs	11.07 ft-lbs	
7	2,826	9.74 ft-lbs	12.99 ft-lbs	7	4,044	13.95 ft-lbs	18.60 ft-lbs	
8	3,579	14.10 ft-lbs	18.82 ft-lbs	8	5,121	20.15 ft-lbs	26.94 ft-lbs	
10	5,672	27.90 ft-lbs	37.27 ft-lbs	10	8,116	39.92 ft-lbs	53.28 ft-lbs	
12	8,243	48.71 ft-lbs	64.94 ft-lbs	12	11,796	69.74 ft-lbs	92.25 ft-lbs	
14	11,246	77.49 ft-lbs	103.32 ft-lbs	14	16,092	110.70 ft-lbs	147.60 ft-lbs	
16	15,882	125.46 ft-lbs	166.79 ft-lbs	16	21,970	173.43 ft-lbs	231.00 ft-lbs	
18	19,423	171.95 ft-lbs	229.52 ft-lbs	18	26,868	238.37 ft-lbs	317.34 ft-lbs	
20	24,784	243.54 ft-lbs	325.46 ft-lbs	20	34,284	338.00 ft-lbs	450.18 ft-lbs	

37° JIC Flare Torque Values							
Size	ft-lbs min./max.	Assembly Steps w/Visual Check					
-02 -03 -04 -05 -06 -08 -10 -12 -14 -16 -20 -24	6 - 7 8 - 9 11 - 12 14 - 15 18 - 20 36 - 39 57 - 63 79 - 88 94 - 103 108 - 113 127 - 133 158 - 167	1. Make sure the tubing and threads are clean. 2. Lubricate the threads with 10W hydraulic oil. 3. Hand tighten the nut/sleeve to appox. 30 in-lbs. 4. Make alignment marks on the nut and fitting. 5. Proceed to tighten to turns or ft-lb values. 6. When fully tightened make a 2nd set of alignment marks at the fully tightened position. Note: Torque values specified are for threads lubricated with 10W hydraulic oil. Sizes -02 through -08 are less tolerant to over-					
-32	245 - 258	torque abuse. This will reduce the clamping force resulting in loss of seal and reduction in flow.					
	-02 -03 -04 -05 -06 -08 -10 -12 -14 -16 -20 -24	Size ft-lbs min./max. -02 6 - 7 -03 8 - 9 -04 11 - 12 -05 14 - 15 -06 18 - 20 -08 36 - 39 -10 57 - 63 -12 79 - 88 -14 94 - 103 -16 108 - 113 -20 127 - 133 -24 158 - 167					

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

Disclaimer: All torque values included in the charts above are advisory only, and their use by anyone is entirely voluntary. Reliance on the contents for any purpose by anyone is the sole risk of that person and Bilzzard Corporation is not responsible for any loss, claim or damages arising therefrom. Bilzzard Corporation has made an effort to present the above contents accurately, but we do not guarantee its completeness or validity. This information is subject to change at any time, without notice. Bilzzard Corporation makes no representations or warranties, express or implicit, in connection with the information with the information with the information.

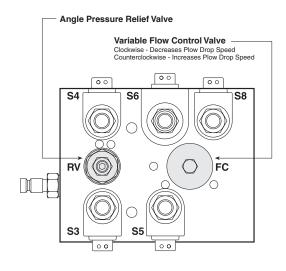
Troubleshooting Guide

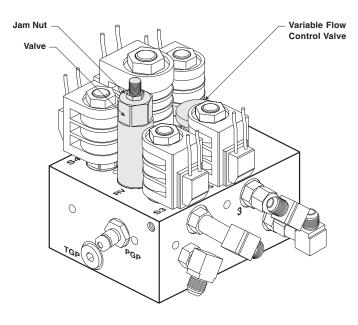
Prior to diagnosing your straight blade, verify that all connectors (plow and vehicle wire harness plugs, headlight adapters, control box, fused hot lead, draw latch switch, solenoid ground wire connection, coil wire lead harness, plow headlight harnesses) are free of corrosion and are well lubricated with dielectric grease. Insuring that all connectors are in good working order will save time in determining your snowplow's service needs.

Problem	Probable Cause(s)	Suggested Remedy
Pump will not run.	Plow wire harness may not be properly connected to the vehicle wire harness.	Verify the wire harnesses are properly connected. Review the instruction on pages 9-12.
	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 the float. Note: The POWER rocker switch must be in the "ON" position to properly test any plow function. If the solenoid is grounded and no power exists, diagnose the plow & truck wire 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 continuously run. Unplug both of the harnesses until the pump can be tested or a Blizzard Dealer can diagnose the problem.	Solenoid may be damaged.	Disconnect the brown/white activation wire from the solenoid. If the problem is not resolved, replace the solenoid.
blizzard beater can diagnose the problem.	Short in the joystick control or wire harness.	Disconnect the joystick in the cab. If the solenoid turns off, there is a short in the electrical system.
Pump runs but plow functions are slow.	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.
	System pressure may be set too low. Increasing the pressure excessively will increase the amperage draw. This could damage the vehicle wire 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.	Repair or replace vehicle alternator. System amperage draw is 150 Amps at 1500 PSI.
	Pump filter may be clogged.	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.
Plow will not lift. Pump works properly.	Control station in the cab may not be properly connected.	Connect the power connector from the control to the vehicle wire harness.
	A-frame latch is in the (down) locked position.	Lift the A-frame latch into the raised position.
	Diode loop harness may be corroded or could have failed.	Clean diode loop harness thoroughly and/or replace.

Problem	Probable Cause(s)	Suggested Remedy
Plow will not lift. Pump works properly. (Continued from page 34.)	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.
Plow 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 11.8 volts.	Loosen cartridge valve S6 to relieve pressure and retighten. DO NOT OVERTIGHTEN! Valves should be torqued to a maximum of 24 ft. lbs.
	Solenoid cartridge valve may be contaminated.	Remove any foreign objects that may be obstructing proper valve operation. Replace if not operating properly after cleaning.
Plow will not stay angled when plowing.	The angle pressure relief valve is set too low. NOTE: Increasing the pressure relief valve will cause damage to your plow. Do not set the pressure relief greater than 3000 PSI (See illustration below)	Check the pressure relief by testing the valve inline with the cylinder. Attach a tee fitting to the angle cylinder hydraulic adapter and connect the hose and pressure gauge to the tee. Push the plow against a solid object and record the pressure reading. Note: The setting should not exceed 3000 PSI.
Plow will not angle, pump works.	Review all probable causes above.	NOTE: Verify coils S3 & S4 for angle functions.
Plow lowers too slow.	Variable flow control valve is not adjusted properly. (See illustration below)	Turn flow control valve counterclockwise in small increments and test. NOTE: Never make adjustments when the plow is in the raised position! Fluid pressure will make the valve difficult to adjust and serious injury or death can occur from a falling plow.
	Review all probable causes for plow will not lift (Page 34).	Verify S5 coil (float) or S5 & S8 coils (disconnect) for magnetism.
Plow drops sporadically.	Variable flow control valve is opened too far.	Turn clockwise 1/16 of a turn and test. See warning above.
Headlights will not switch from the vehicle to the snowplow.	No power or ground to the headlight relay.	Verify green/yellow (G/Y) wire for the ground is connected. Verify black/white (BK/W) wire for the power is connected. If both are connected properly, replace the headlight relay.

Should your snowplow develop other problems not indicated in the Troubleshooting Guide, contact your local dealer for technical assistance and/or replacement parts.







LIMITED CONSUMER WARRANTY

This warranty covers defects in material and workmanship except as set forth below.

WARRANTED PARTY:

This warranty applies only to the "Original Purchaser" who purchased this plow from an Authorized Blizzard Dealer, for personal, family or household use.

TERM OF WARRANTY:

This Blizzard straight blade snowplow is warranted for the following period: Parts and labor are warranted for one year from date of purchase.

BLIZZARD CORPORATION'S WARRANTY REMEDY:

Blizzard Corporation will, at its sole discretion, repair or replace defective parts at no charge.

CUSTOMERS RESPONSIBILITY:

To obtain warranty service, the purchaser must return the defective snowplow to any Authorized Blizzard Dealer. The purchaser must verify the original purchase date. Transportation costs to and from the dealer will be the responsibility of the purchaser.

ITEMS NOT COVERED UNDER THIS WARRANTY:

This limited warranty does not cover the following:

- 1. Expendable parts such as cutting edges, plow shoes, hoses, fasteners, blade guides, paint finish, etc.
- 2. Any snowplow or part thereof which has been repaired or altered by anyone other than an Authorized Blizzard Dealer.
- 3. Any snowplow or part thereof which has been subject to neglect, misuse, accident, improper installation, maintenance, or storage. This includes, but is not limited to, corrosion of any electrical components.
- 4. Snowplows mounted on vehicles other than those for whom Blizzard Corporation has provided a specific undercarriage system.
- 5. Blizzard Corporation does not assume liability for damage to the purchaser's vehicle resulting from the attachment and use of a Blizzard straight blade snowplow. Vehicle risk is the sole responsibility of the purchaser.

WARRANTY LIMITATIONS:

THIS WARRANTY IS OFFERED IN LIEU OF ANY OTHER EXPRESS WARRANTY.

THE DURATION OF ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY.

BLIZZARD CORPORATION'S LIABILITY IS EXPRESSLY LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE PARTS. BLIZZARD CORPORATION SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL OR CONTINGENT DAMAGES WHATSOEVER, EVEN IF DAMAGES ARE CAUSED BY THE NEGLIGENCE OR FAULT OF BLIZZARD CORPORATION.

State Laws: Some states do not allow exclusion of incidental or consequential damages or the limitations on how long an implied warranty lasts, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This warranty does not apply if you purchased your snowplow for other than personal, family, or household use. If purchased for other than personal, family or household use, refer to the Blizzard Straight Blade Commercial Warranty.



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COMMERCIAL WARRANTY

This warranty covers defects in material and workmanship except as set forth below.

WARRANTED PARTY:

This warranty applies only to the "Original Purchaser" who purchased this plow from an Authorized Blizzard Dealer, for commercial use.

TERM OF WARRANTY:

This Blizzard straight blade snowplow is warranted for the following period: Parts and labor are warranted for one year from date of purchase.

BLIZZARD CORPORATION'S WARRANTY REMEDY:

Blizzard Corporation will, at its sole discretion, repair or replace defective parts at no charge.

CUSTOMERS RESPONSIBILITY:

To obtain warranty service, the purchaser must return the defective snowplow to any Authorized Blizzard Dealer within the warranty period. The purchaser must verify the original purchase date. Transportation costs to and from the Dealer will be the responsibility of the purchaser.

ITEMS NOT COVERED UNDER THIS WARRANTY:

This warranty does not cover the following:

- 1. Expendable parts such as cutting edges, plow shoes, hoses, fasteners, blade guides, paint finish, etc.
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LIMITS OF BLIZZARD CORPORATION'S LIABILITIES:

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This warranty does not apply if you purchased your snowplow for personal, family, or household use. In this case, refer to the Blizzard Straight Blade Limited Consumer Warranty.



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