



## INSTALLATION INSTRUCTIONS

Thank you for purchasing SNOWSPORT® HD Utility Plow. Agri-Cover, Inc. proudly manufactured this snowplow using superior quality materials and workmanship. With proper care, your snowplow will provide years of service and enjoyment.

**NOTICE TO INSTALLER:** Even if familiar with product, read instructions prior to installation as improvements may be made without notice. Always handle components with care. If you have questions or problems, have serial number ready and call customer service. When done, these instructions must be given to the consumer.

**NOTICE TO CONSUMER:** Before using this product, read safety and operation sections. Save these instructions for future reference.

### FOR YOUR RECORDS

DATE PURCHASED: \_\_\_\_\_

WHERE PURCHASED: \_\_\_\_\_

SERIAL NUMBER: \_\_\_\_\_

(Located on back of snowplow blade)



Questions? 800-689-6612  
agricover.com

# PREPARATION

Unpack snowplow components. For additional installation assistance, go to [mysnowsport.com](http://mysnowsport.com) for install and operation videos.

## COMPONENTS

- (2) Box ends
- (2) Slide hinges
- (2) Blade markers with hardware
- (2) Lift handles
- (2) Shims
- Front mount with hardware
- Push frame with hardware
- Angle interceptor kit
- Upper aluminum blade
- Lower aluminum blade
- Rubber cutting edge
- Quick pin set
- Set collar
- 5/8" x 3" Receiver pin
- 5/8" x 3" Swivel pin
- Hair pin

## TOOLS NEEDED

- (2) Short 2x4 sections
- Drill with 5/16" bit
- 9/16" socket with ratchet or impact driver/wrench
- Ft-lbs Torque wrench with extension socket
- 3/4" Box wrenches
- 3/4" Socket
- 3/16" Hex key
- Bubble level
- Locking pliers (optional)
- Protective eyewear

**NOTE:** Prior to plow assembly, park vehicle on level grade and install front mount receiver. Clearance under front or rear receiver should measure between 8-16" above grade.

**▲ CAUTION:** Over torquing hardware may damage components.

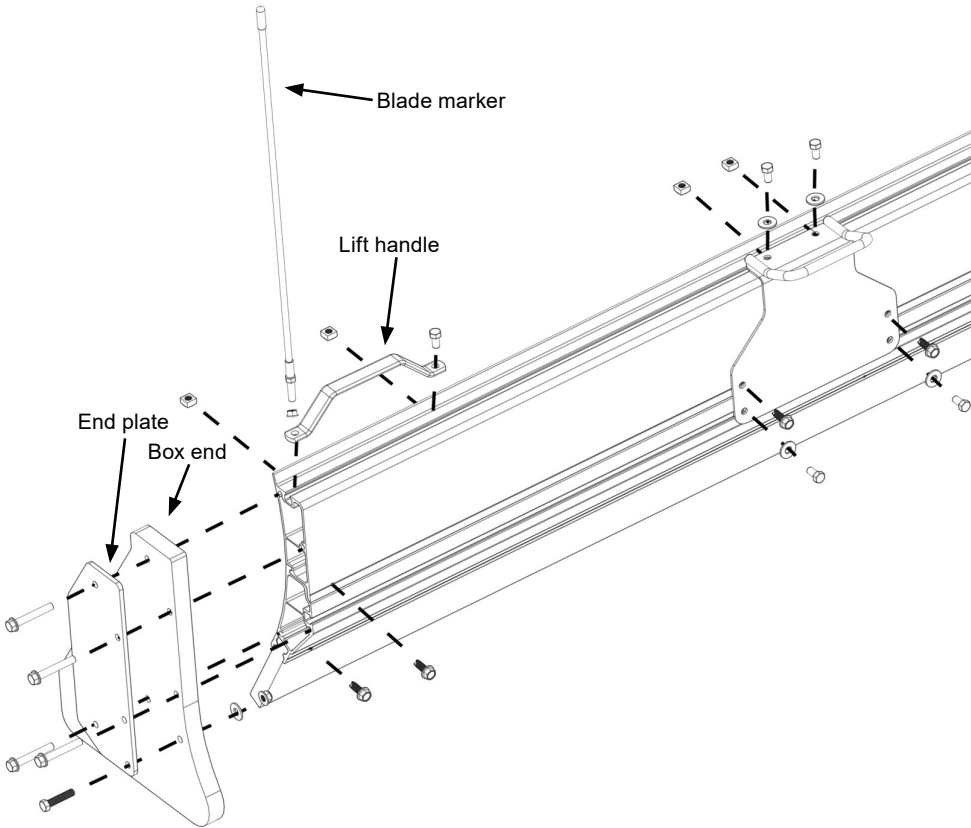
# **SAFETY INFORMATION**

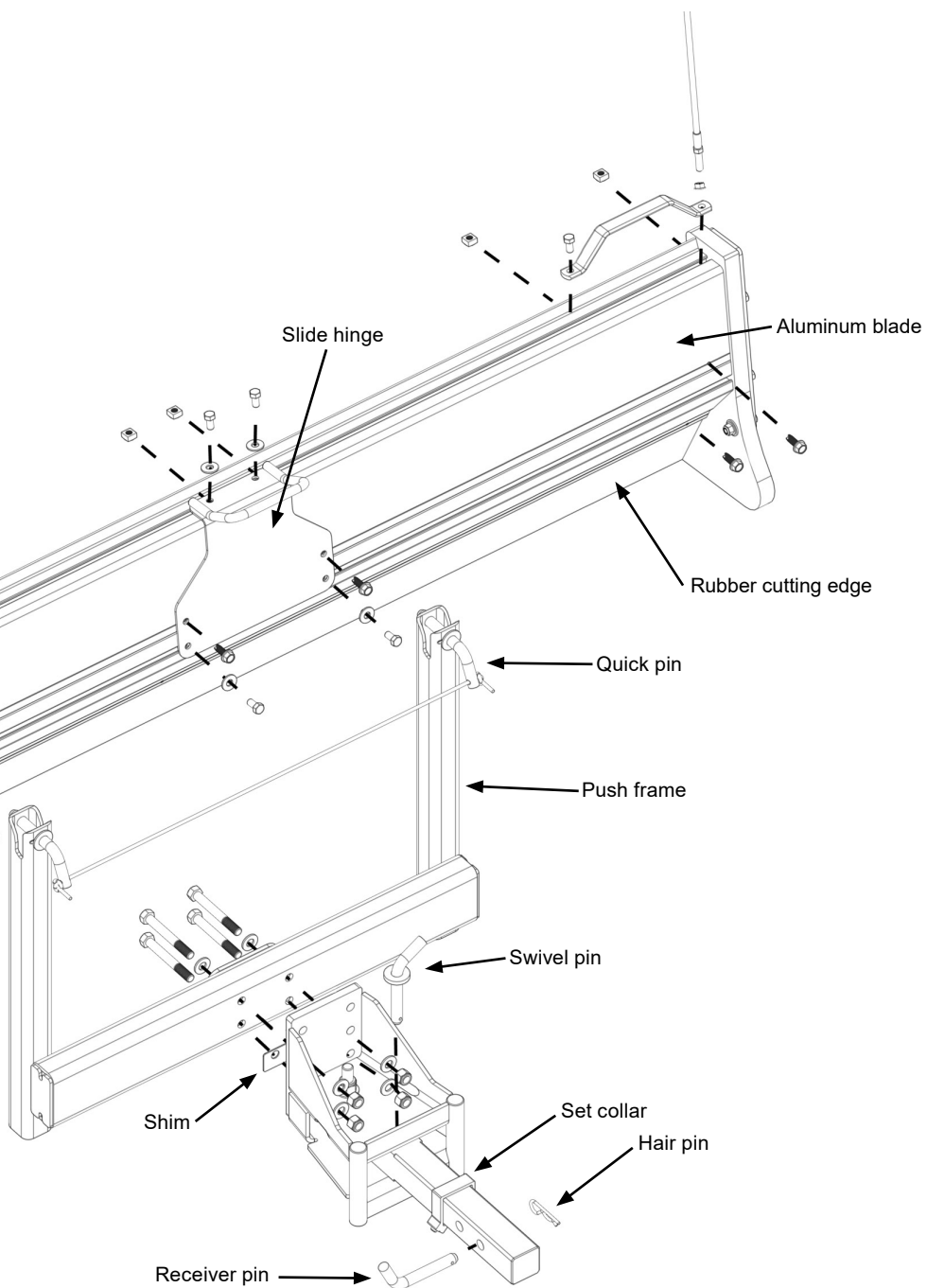
- Always follow vehicle manufacturer recommendations for snowplowing.
- Always exercise safety, courtesy and common sense.
- Always know the terrain before plowing.
- Always wear your seat belt.
- Always look where you are going when backing up, don't rely on mirrors or back up cameras.
- Always plow snow during low-traffic hours.
- Always be cautious of pedestrians and vehicles.
- Always be aware of engine temperature, avoid overheating.
- Always transport blade in retainer grooves secured by quick pins.
- Always use lowest transmission gear, on 4WD select low range if equipped.
- Always drive straight with blade set to center position when creating piles as angled may cause damage to plow or vehicle.
- Never overload your plow or vehicle, snow depth and water content determines amount of snow to be cleared per pass.
- Never plow snow with your head/body parts out of the window, an unexpected sudden stop could result in personal injury.
- Never exceed 65 MPH when transporting plow.
- Never exceed 10 MPH when plowing.
- Never pile snow where it obstructs visibility of traffic.
- Never pile snow near handicapped or parking areas.
- Never pile snow on someone else's property, streets, sidewalks, mail boxes, water drains, electrical boxes or by fire hydrants.
- Periodically inspect hardware and components, perform maintenance as required.

# **SNOWPLOWING TIPS**

- Check local regulations before plowing snow.
- Mark or remove any potential hazards in plowing area as they can be easily covered by snow and forgotten.
- If blade is kept in warm storage, cooling outside prior to plowing prevents snow from freezing to blade.
- For gravel surfaces, we recommend packing the snow by making several passes with blade up to help prevent movement of loose rock when pushing snow.
- Start a pass by accelerating slowly to allow for tire traction and blade to accumulate snow.
- Amount of snow to be cleared efficiently per pass is determined by snow depth and water content, adjust the width of each pass and plow more often during continuous snowfalls.
- As you come to the end of a pass, reduce speed and apply brakes as needed.
- When creating piles, drive straight with the blade set to center position.
- To stack snow on hardened piles, start a new pile then push onto existing snow bank.
- Ensure to push snow far enough for future snowfall.
- Wet snow can compact and freeze which requires chipping to break loose before attempting to move.

# PARTS DIAGRAM



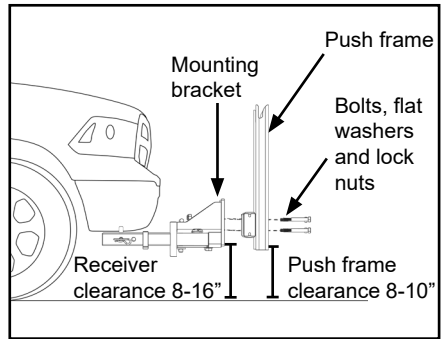


# 1: INSTALLING PUSH FRAME

**NOTE:** We recommend performing this step with two people. One person holds the push frame to the interceptor while another performs the installation.

A. Insert interceptor into receiver with push frame mounting bracket facing up and secure with receiver pin.

B. Hold push frame against interceptor. Select (4) bolt hole pattern that positions push frame 8-10" above grade.



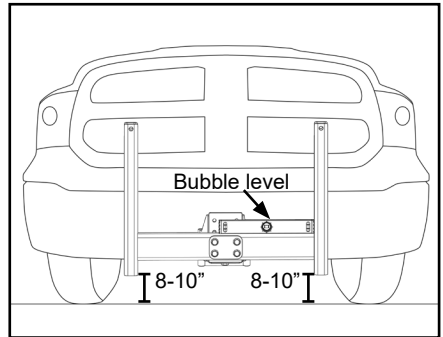
**NOTE:** In some cases, clearance under receiver may be less than 8". If so, plow will still operate properly, but ground clearance will be limited. Use care on uneven surfaces.

**NOTE:** If lowest bolt pattern is too high, remove interceptor and reinsert with push frame mounting bracket facing down.

**4 ELECTRIC WINCH:** Slide winch assembly onto push frame aligning bolt holes.

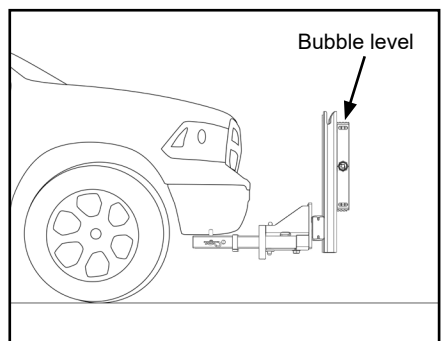
C. Insert (4) 1/2" x 4" hex bolts through push frame and interceptor mounting holes.

D. Verify (4) bolt hole pattern provides correct push frame clearance, 8-10" above grade, then level push frame horizontally.



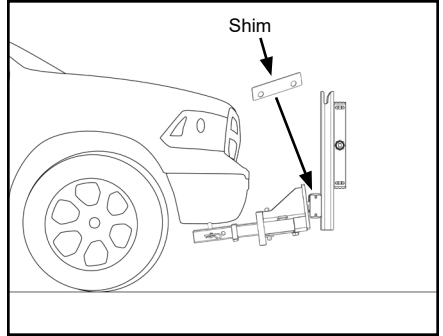
E. Check push frame for vertical plumb.

- If plumb, secure (4) 1/2" x 4" hex bolts with (8) flat washers and (4) lock nuts. Torque (4) nuts to 90 ft-lbs and go to Step 11.
- If not plumb, perform Steps 1F-H to correct with shims.

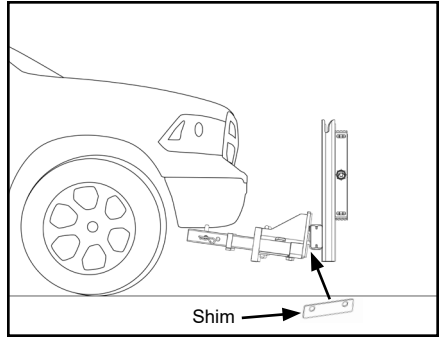


# 1: INSTALLING PUSH FRAME (Continued)

F. If push frame leans toward front of vehicle, remove upper bolts, insert one or two shims at top and reinsert bolts.

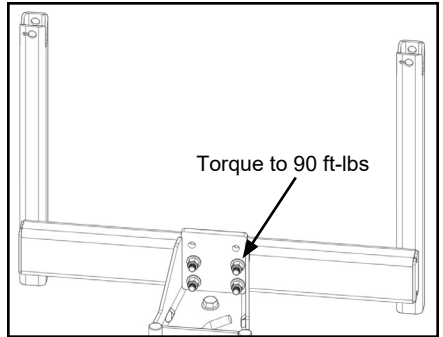


G. If push frame leans away from front of vehicle, remove lower bolts and insert one or two shims at bottom and reinsert bolts.



H. When shimming is complete, secure (4) 1/2" x 4" hex bolts with (8) flat washers and (4) lock nuts. Torque (4) nuts to 90 ft-lbs.

**NOTE:** Keep push frame with interceptor attached to front mount receiver.



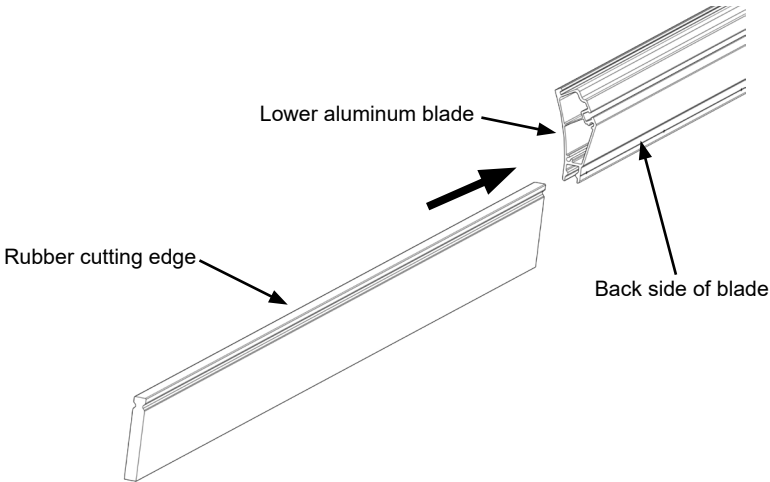
## 2: ASSEMBLING SNOWPLOW

**NOTE:** Rubber cutting edge should be room temperature before assembling.

A. Align groove on rubber cutting edge with groove in lower aluminum blade.

B. Slide rubber cutting edge into matching channel of lower aluminum blade and center.

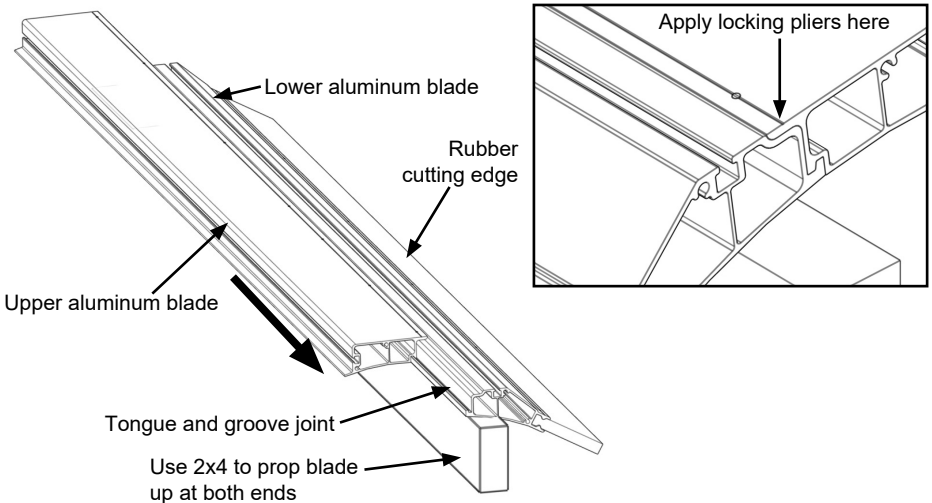
**TIP:** Apply soapy water solution to top of rubber cutting edge and aluminum blade mounting channel for easier assembly.



C. Turn rubber cutting edge and lower aluminum blade over and set on wood blocks, one at each end.

D. Connect tongue and groove joint of upper and lower aluminum blade. Slide upper aluminum blade until centered with lower aluminum blade.

**TIP:** Once upper blade is centered, apply locking pliers on tongue and groove joint to ensure upper and lower aluminum blades remain aligned.





## 2: ASSEMBLING SNOWPLOW (Continued)

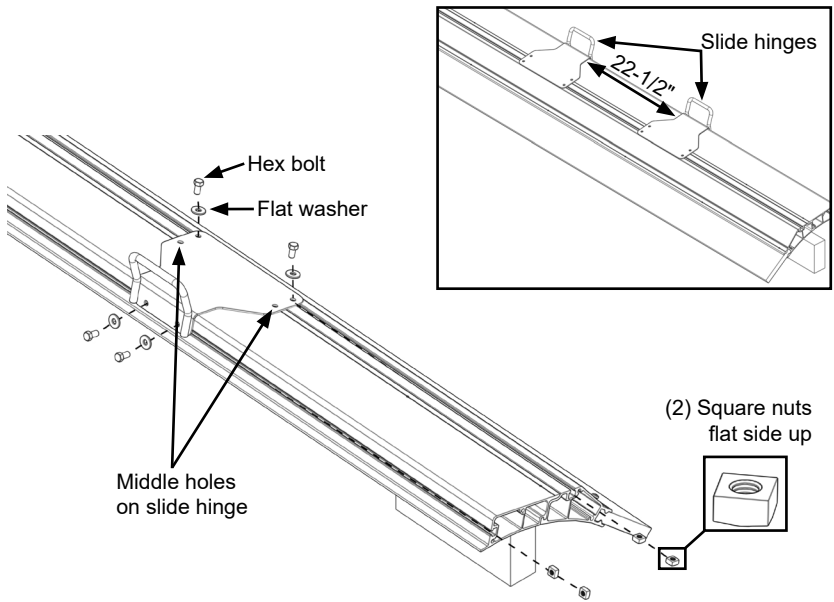
**4** **ELECTRIC WINCH:** Slide (2) weld nuts with flat side up through top channel to mid-point on plow.

E. Align middle holes on slide hinge with factory marks on back of blade. Insert (2) square nuts with flat side facing up in top and bottom channels of blade. Slide nuts to slide hinge and align with holes.

F. Turn 3/8" x 3/4" hex bolts with flat washers into nuts in top and bottom sections of blade. Leave bolts loose.

G. Use 9/16" wrench to tighten hex bolts in upper section first, then tighten hex bolts in lower section.

H. Repeat process for opposite slide hinge. When both slide hinges are properly aligned, narrow sections toward top of blade should measure 22-1/2" apart.



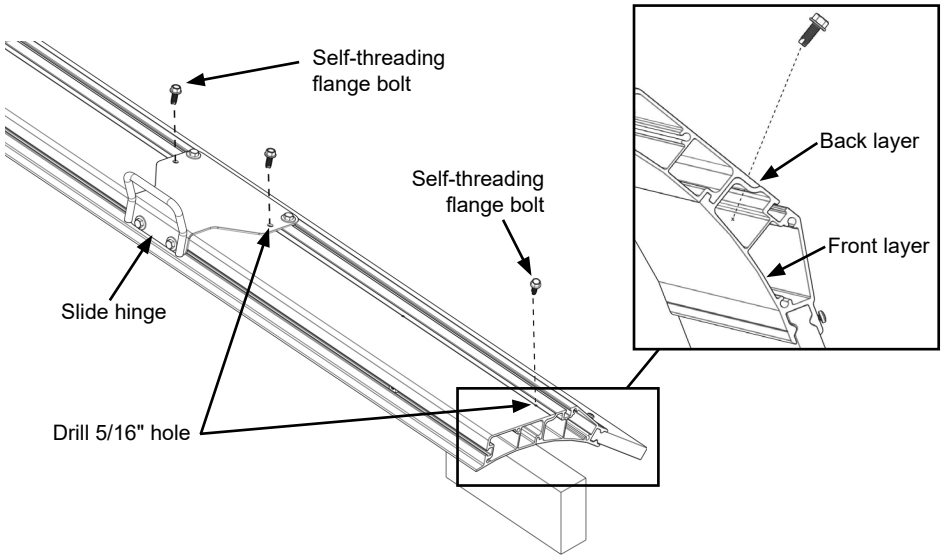
## 2: ASSEMBLING SNOWPLOW (Continued)

I. Use slide hinges as templates to drill (4) 5/16" holes through back layer of aluminum at each factory marked location.

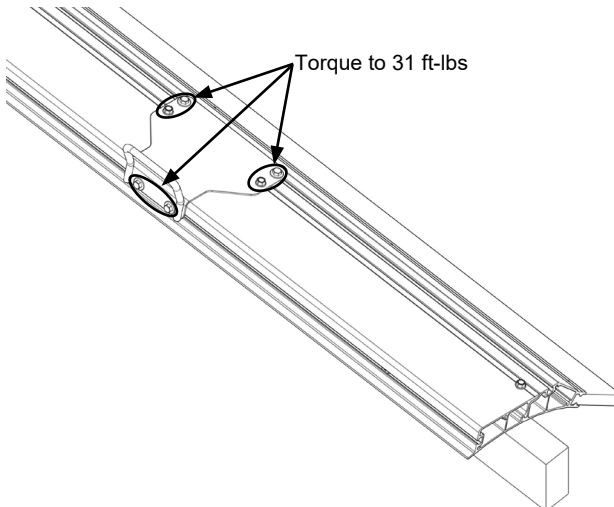
J. At tongue and groove joint, drill 5/16" hole through back layer of aluminum at factory mark in v-groove on each end of blade.

K. Turn 3/8" x 1" self-threading flange bolts into each drilled hole and tighten.

**NOTE:** Remove locking pliers after Step K.



L. Torque (12) slide hinge bolts to 31 ft-lbs.

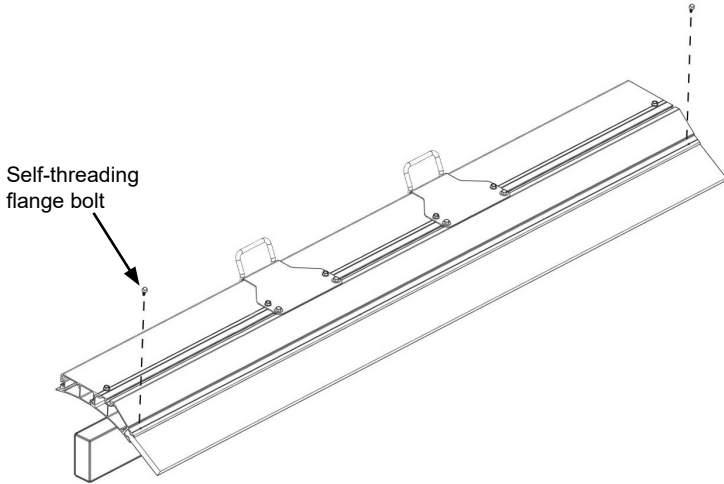


## 2: ASSEMBLING SNOWPLOW (Continued)

M. Center rubber cutting edge with lower aluminum blade.

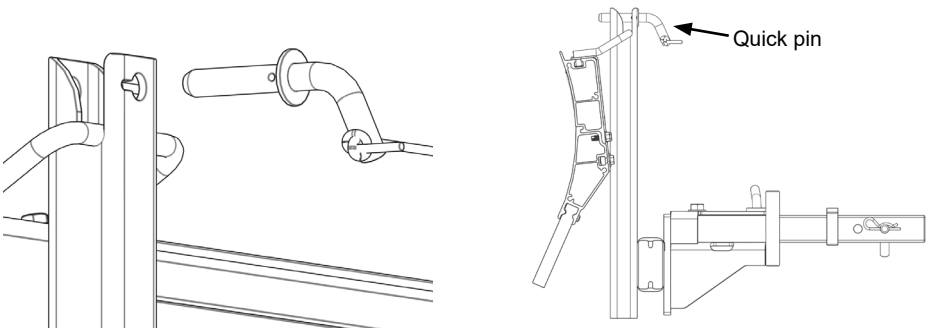
N. Drill 5/16" pilot hole at factory mark in groove on each end of blade, drill only through first layer of aluminum and into rubber.

O. Turn 3/8" x 1" self-threading flange bolts into 5/16" pilot holes and tighten.



P. Hang one end of blade assembly into retainer groove on push frame. Repeat for opposite end of blade assembly.

Q. Insert quick pin in hole, rotate pin just enough to allow through second hole and then rotate back to its secure position. Repeat for remaining quick pin.



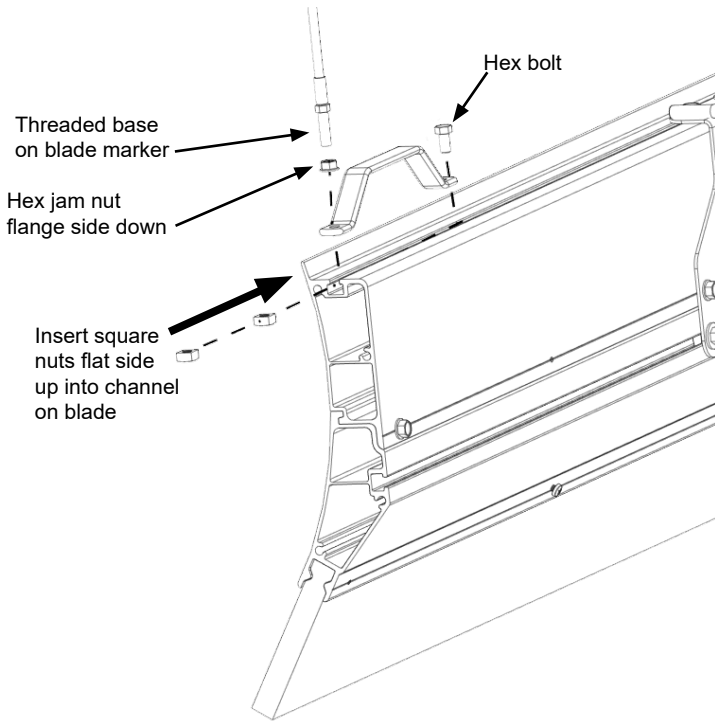
## 2: ASSEMBLING SNOWPLOW (Continued)

R. Insert (2) square nuts with flat side up into top channel.

S. Turn hex jam nut with flange side facing down onto threaded base of blade marker and align with hole on lift handle. Bolt blade marker and handle to blade using square nut in channel.

T. Turn  $3/8" \times 3/4"$  hex bolt through other handle hole into nut in channel. Handle should be flush with blade edge. Tighten both bolts on lift handle.

U. Repeat for blade marker on opposite side.

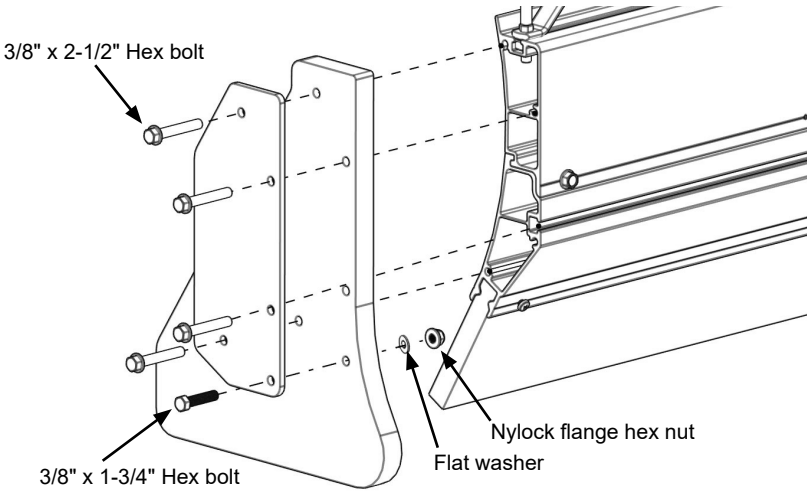


## 2: ASSEMBLING SNOWPLOW (Continued)

V. Attach rubber box end and metal end plate to end of blade with (4) 3/8" x 2-1/2" hex bolts.

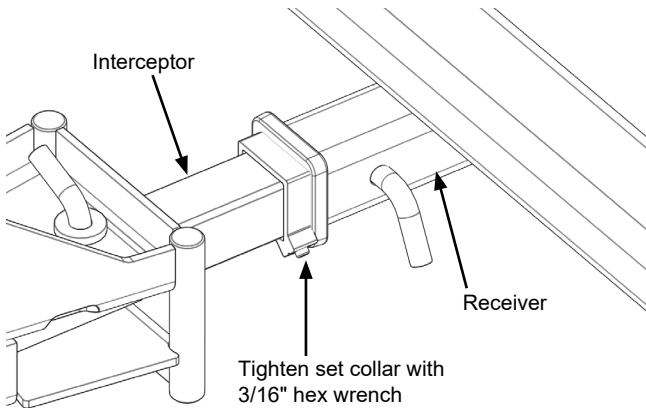
W. Tighten all bolts until rubber begins to compress to blade. Insert 3/8" x 1-3/4" hex bolt to tighten bottom of rubber to bottom of end plate. Secure with washer and nylock flange hex nut.

X. Tighten all bolts equally. Repeat box end assembly on opposite side.



**NOTE:** To determine position of set collar, select hole in interceptor shaft which places plow closest to vehicle while allowing blade to angle.

Y. Push set collar tight against receiver, hold and tighten set screw with 3/16" hex key.



**4** **ELECTRIC WINCH:** Refer to Step 2A in winch instructions to complete installation.

# OPERATING INSTRUCTIONS

## TO LOWER FOR PUSHING SNOW

Step behind blade and remove quick pin. Lift one side of blade out of retainer groove until slide hinge fits over the push frame bar, then lower blade to ground. Secure with quick pin. Repeat for opposite side of blade.

## TO PUSH SNOW

Drive forward slowly, blade will engage for pushing. When pass is finished, driving in reverse disengages the blade until you are realigned for next pass. Repeat this procedure until job is finished.

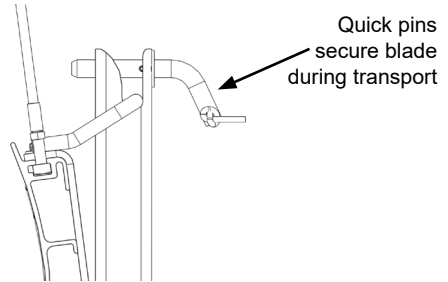
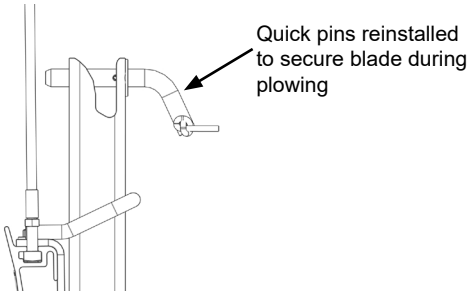
## TO STORE BLADE FOR TRANSPORTING

Remove quick pin then hang slide hinge into retainer groove on push frame. Secure with quick pin. Repeat for opposite side of blade.

## TO STORE BLADE DURING OFF SEASON

For maximum blade life, periodically retighten bolts and protect blade from sun by storing inside or covering.

**NOTE:** When pushing snow onto a pile, always do so with blade set to center position. Piling snow with blade angled may cause damage to plow or vehicle.





# MANUFACTURER'S LIMITED WARRANTY

Agri-Cover, Inc. extends the following Limited Warranty on its SNOWSPORT® HD Utility Plow:

Agri-Cover, Inc. warrants its SNOWSPORT® HD Utility Plow to be free from defects in material and workmanship under normal use for one (1) year from date of manufacture unless accompanied by proof of purchase and separately warrants only the rubber blade portion of the SNOWSPORT® HD Utility Plow to be free from defects in material and workmanship under normal use for three (3) years from date of manufacture unless accompanied by proof of purchase. This Limited Warranty does not cover any failure due to abuse, misuse, alteration, neglect, improper assembly or installation, or improper maintenance.

Agri-Cover's sole obligation under this Limited Warranty or any implied warranty is limited to the repair or replacement at its option, of defective parts only. No labor or service allowance is given or implied. IN NO EVENT SHALL AGRI-COVER, INC. BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES. AGRI-COVER, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE LIMITED WARRANTY DESCRIPTION CONTAINED HEREIN.

For warranty, have serial number ready and fill out the warranty claim form at [agricover.com/warrantyclaim](http://agricover.com/warrantyclaim) or call Customer Service Department at 800-689-6612 to determine if only a replacement part is needed or if the product needs to be returned for inspection and repair. Goods to be returned must have a pre-authorized RA # (Return Authorization Number) – obtained by calling the number above. Mark the number on the package and ship it freight prepaid to address below. Agri-Cover will pay freight to return goods to sender.

This Limited Warranty gives you specific legal rights and you may have other rights, which vary, from state to state.

For replacement parts shop at [snowsportparts.com](http://snowsportparts.com) or call Customer Service at 800-689-6612.



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Phone: 800-689-6612

**Hours: 8:00 am - 5:00 pm CST Monday through Friday, except Holidays**