

HYDRAULIC POWER ANGLE INSTALLATION INSTRUCTIONS

Thank you for purchasing SNOWSPORT™ Hydraulic Power Angle for your SNOWSPORT® Pro Angle Utility Blade. This product was manufactured using superior quality materials and workmanship. With proper care, your hydraulic cylinder will provide years of service and enjoyment.

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

NOTICE TO CONSUMER: Before using this product, read instructions. Save these instructions for future reference.



Questions? 800-689-6612
agricover.com

PREPARATION

⚠ CAUTION: SNOWSPORT™ Hydraulic Power Angle for use on SNOWSPORT® Pro Angle Utility Blade only! Ensure swivel pin is removed from interceptor when using hydraulic function.

TOOLS NEEDED

- Rachet with 9/16" socket
- Drill with 21/64" bit
- Tape measure
- Ft-lb torque wrench
- (2) Adjustable wrenches
- Protective eyewear

⚠ WARNING: AVOID INJURY OR DEATH. Keep 10 feet (3m) away from loader and attachment when in use. Avoid pinch points.

⚠ WARNING: Do not use parts of your body to check for leaks. High pressure oil can enter your bloodstream. Seek medical attention immediately if this happens. Read owner's manual before operating equipment

NOTE: Hardware appearance and components may vary.

⚠ CAUTION: Over torquing hardware may damage components.

SAFETY INFORMATION

- Always follow equipment 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 ensure wedge pins are properly secured.
- Always use lowest transmission gear, on 4WD select low range if equipped.
- Never overload your plow or equipment, 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 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.
- Instruct everyone who will operate snowplow system on proper procedures.
- Never allow children to operate or play with snowplow system.

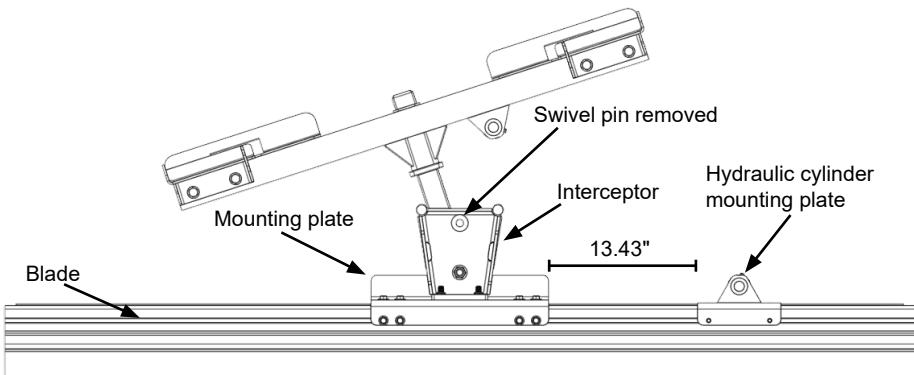
SNOWPLOWING TIPS

- 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.
- 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.

1: ASSEMBLING HYDRAULIC ANGLE KIT

A. Measure 13.43" from mounting plate, then place hydraulic cylinder mounting plate on blade.

▲ CAUTION: Ensure swivel pin is removed from interceptor.

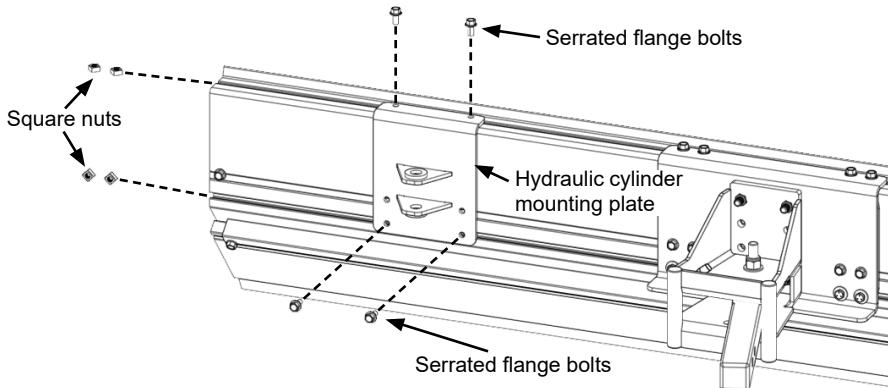


1: ASSEMBLING HYDRAULIC ANGLE KIT

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B. Insert (2) square nuts with flat side up in top and bottom channels of blade and slide to hydraulic cylinder mounting plate and align with holes.

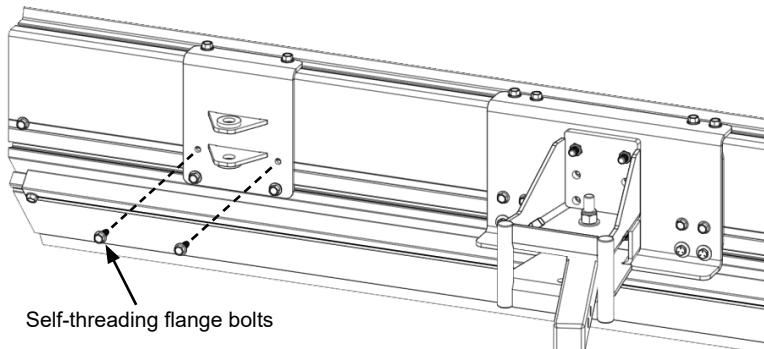
C. Turn (4) 3/8" x 3/4" serrated flange bolts into nuts. Tighten serrated flange bolts in top channel first, then bottom channel.



D. Use hydraulic cylinder mounting plate as a template to drill (2) 21/64" holes through back layer of aluminum.

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

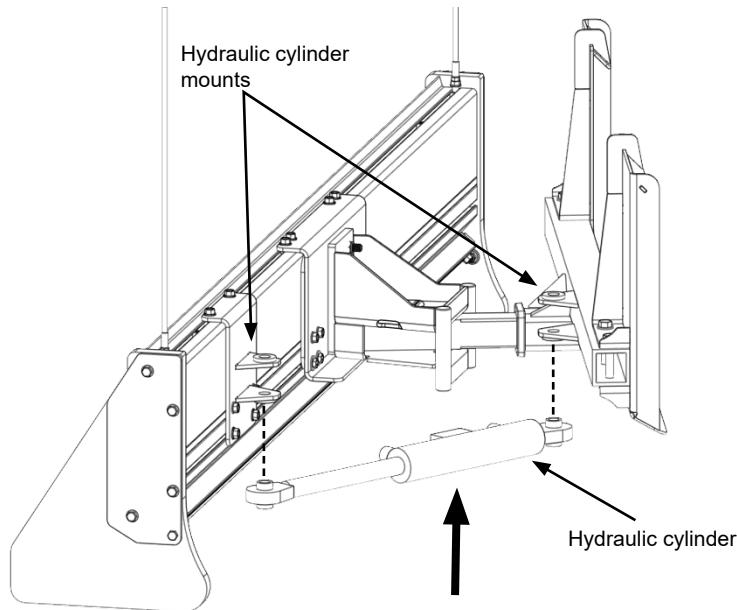
F. Torque (6) hydraulic cylinder mounting plate bolts to 31 ft-lbs.



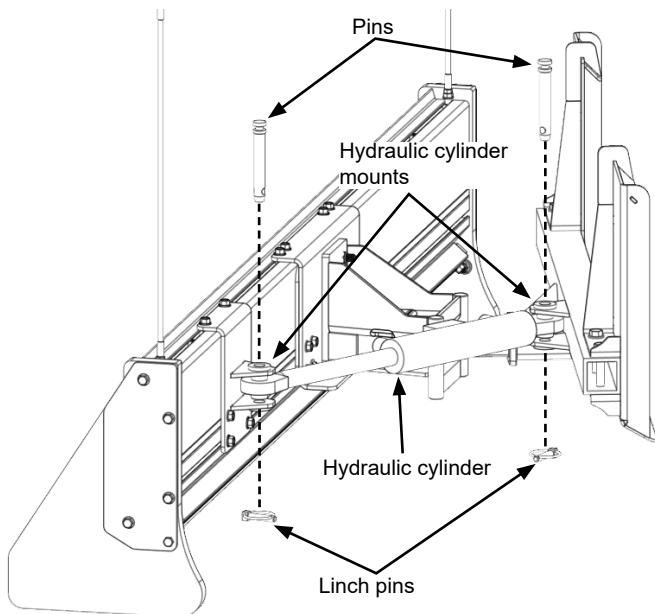
1: ASSEMBLING HYDRAULIC ANGLE KIT

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G. Place hydraulic cylinder into hydraulic cylinder mounts, ensuring hose attachments are to the inside and hydraulic cylinder extends toward blade.



H. Insert pins through hydraulic cylinder mounts and hydraulic cylinder, then secure with lynch pins.

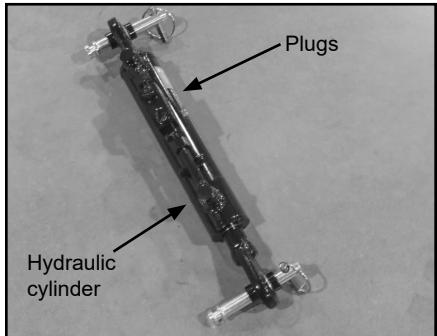


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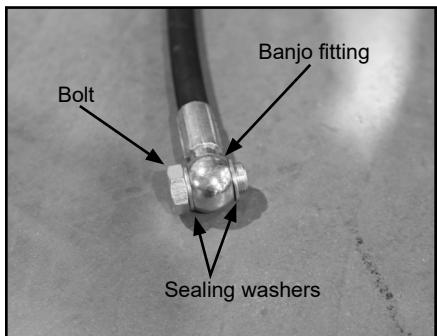
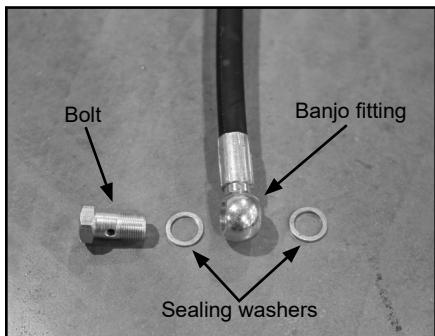
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I. Remove plugs from hydraulic cylinder.

▲ CAUTION: May be pressurized.



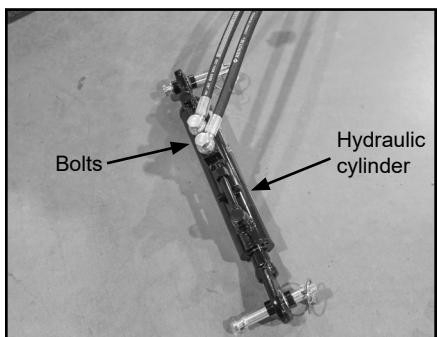
J. On banjo fitting end of hydraulic cylinder hose, place sealing washer on bolt and insert through banjo fitting. Place another sealing washer on bolt.



K. Fully tighten bolt into hydraulic cylinder.

L. Repeat Steps 1 J-K for other hose.

NOTE: If fittings leak, ensure fittings are tight and sealing washers are installed.

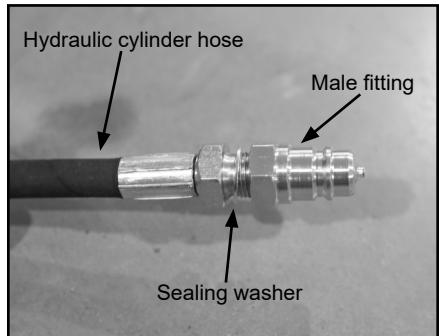


1: ASSEMBLING HYDRAULIC ANGLE KIT

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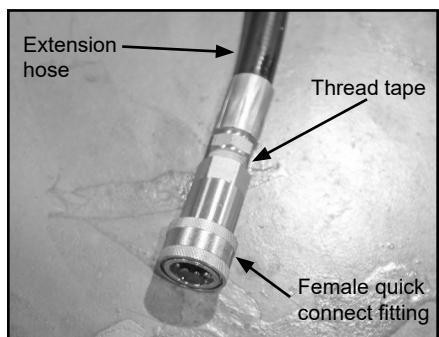
M. On opposite end of hydraulic cylinder hose, place sealing washer on hose, then thread on and fully tighten male fitting.

N. Repeat for other hose.



O. On extension hose, wrap one end of hose with thread tape, then thread on female quick connect fitting.

P. Repeat for other hose.



Q. On opposite end of one hose, place protective cap on hose. Wrap with thread tape, then thread on male fitting.

R. On other hose, place protective cap on hose. Wrap with thread tape, then thread on female fitting.

S. Attach extension hoses to hydraulic cylinder hoses, then attach to equipment.

IMPORTANT: Ensure hoses will not get pinched or rub on sharp edges. Secure hoses as necessary.

