ACI™
AGRI-COVER, INC.

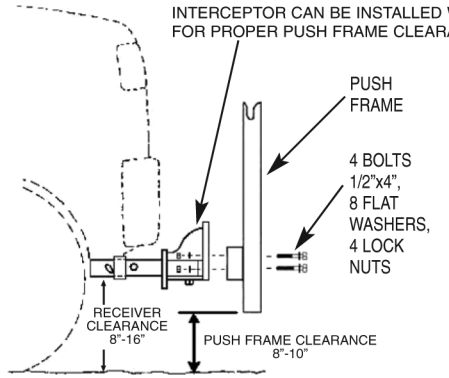
SNOWSPORT®
HD UTILITY PLOW

Note: Prior to plow assembly, park vehicle on level grade and install plow mount receiver (sold seperately). Clearance under receiver should measure between 8 to 16 inches above grade.

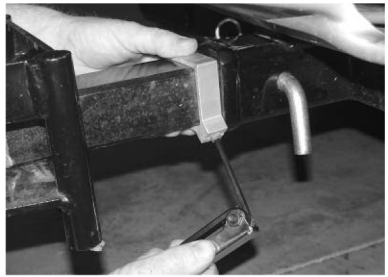
Tools Needed (plow assembly):

- Ft. lb. torque wrench
- Impact or ratchet with 9/16" and 3/4" socket
- Drill with 3/16" and 5/16" drill bit
- #3 Phillips driver bit
- Box wrench 3/4"
- Open wrench 5/16"
- Allen wrench 3/16"
- 2 short pcs. of 2 x 4 blocking
- Bubble level
- Protective eyewear

1

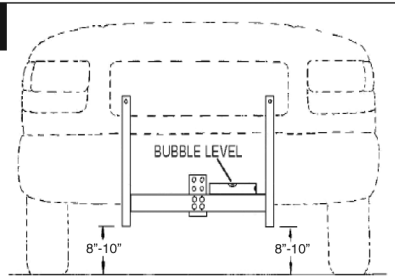


a) Insert interceptor into receiver - leg up. Secure with pins (interceptor has choice of holes to allow for clearance when angling blade). Hold push frame against interceptor. Select 4 bolt hole pattern that positions **push frame 8" – 10" above grade.** If lowest bolt pattern is too high, remove interceptor and turn leg down. Bolt push frame (4 bolts 1/2" x 4" w/flat washers and lock nuts) to proper hole height on interceptor - **leave bolts snug tight for now.**

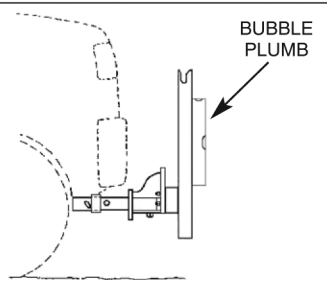


b) Push set collar tight against receiver – hold and tighten set screw with 3/16" allen wrench.

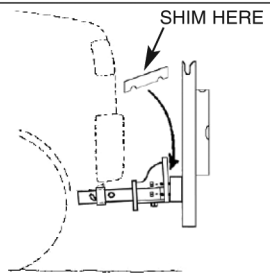
2



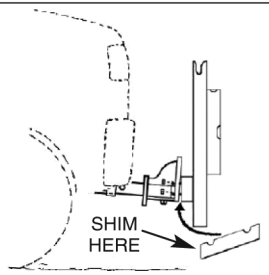
a) With bolts snug tight, level push frame horizontally.



b) Check push frame for vertical plumb. If plumb, tighten 4 bolts now and go to step 3. If not plumb - refer to shim procedure at right.



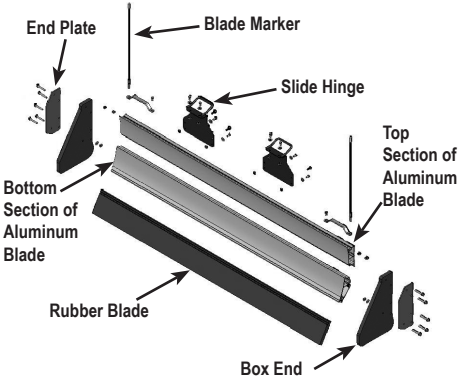
c) If push frame leans towards front of vehicle, shim at top pair of bolts.



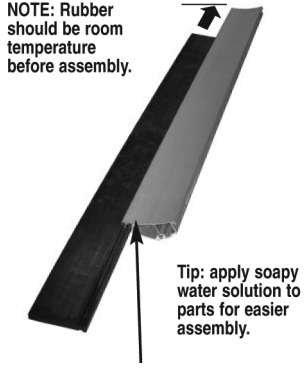
If push frame leans away from front of vehicle, shim at bottom pair of bolts.

WHEN SHIMMING IS COMPLETE - TIGHTEN ALL 4 BOLTS.

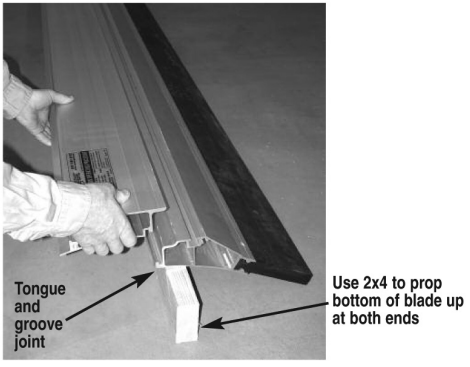
3



a) Illustration above shows exploded view components for plow blade parts.



b) Slide end of rubber edge with matching channel in bottom half of aluminum blade and center on bottom half.



c) Turn bottom half of blade over and set it on wood blocks, one at each end as shown. Take top half and connect tongue and groove joint with bottom half. Slide top half until centered with bottom half of blade.

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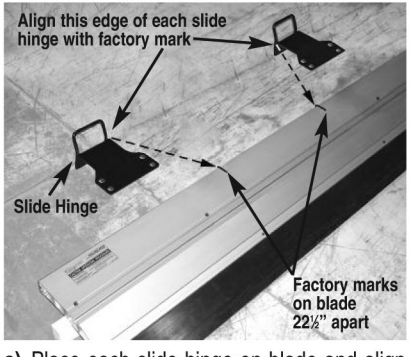
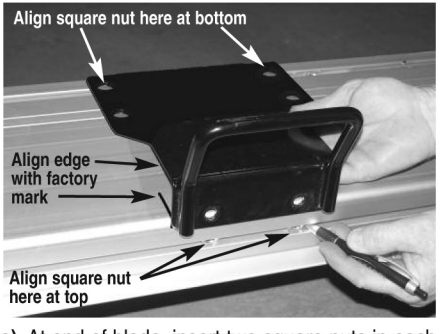


a) Place each slide hinge on blade and align edge of hinge with factory mark on blade.

b) When both hinges are properly aligned – they should measure 22 1/2" apart.



c) At end of blade, insert two square nuts in each channel - flat side facing out. Slide nuts over to hinge and align them with holes at top and bottom.

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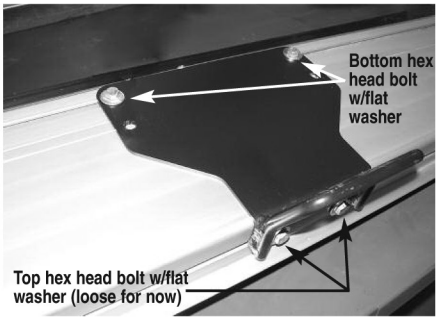
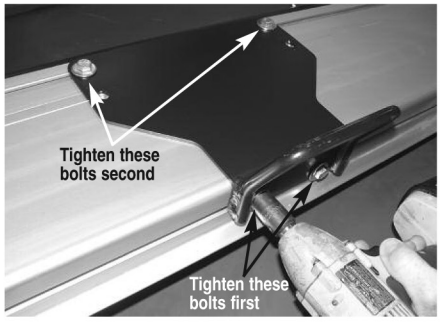
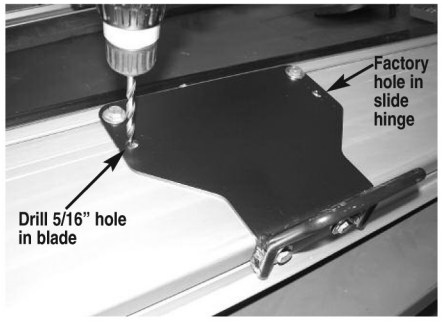


a) Turn 3/8" x 3/4" hex bolts with flat washer into nuts on top section of blade and leave loose. Turn 3/8" x 3/4" hex bolts into nuts on bottom section of blade and leave loose.



b) Make sure slide hinge is lined up with mark (see Step 3). Using 9/16" wrench, **tighten hex bolts in top section first.** Then tighten hex bolts on bottom section.



c) Using 5/16" bit, drill a hole through blade in each factory punched hole on slide hinge. Turn a (short) 3/8" self threading bolt into each drilled out hole and tighten. Repeat steps to attach opposite slide hinge.

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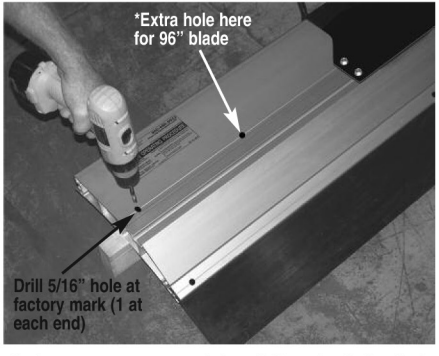
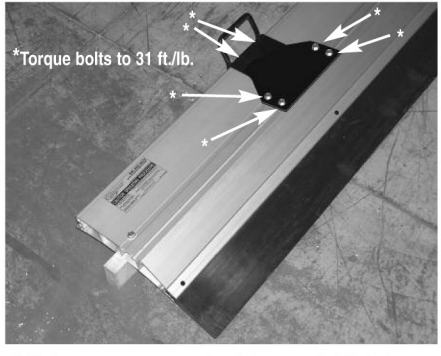


a) At tongue-n-groove joint, drill a 5/16" pilot hole at factory mark in v-groove at each end of blade. (*Note extra hole for 96" blade)

b) Using a 9/16" wrench turn a (short) 3/8" self threading bolt into 5/16" pilot hole and tighten. Repeat at other end. (*Note extra bolt for 96" blade)



c) Using torque wrench, tighten all (6) bolts on each slide hinge to 31 ft./lbs.

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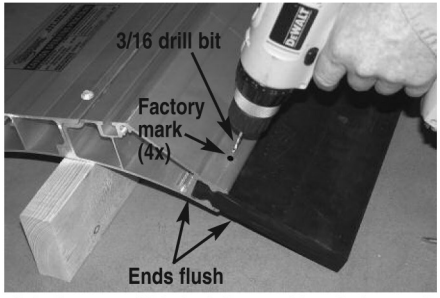
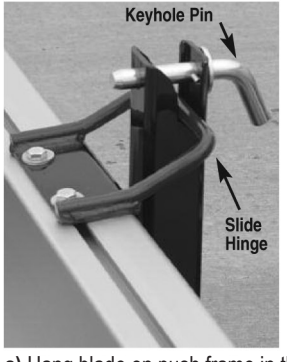
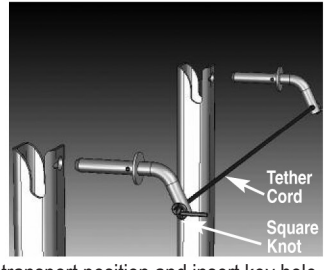


a) At bottom of blade, check to make sure rubber edge is centered, then drill a 3/16" pilot hole at factory mark in v-groove (4 locations) – drill only through first layer of aluminum and into rubber. Repeat this drilling procedure for three remaining marks.

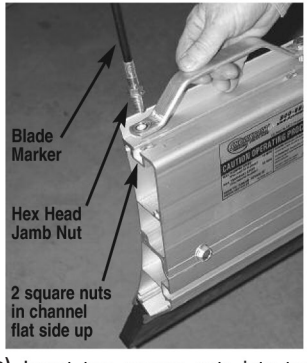
b) Using Phillips #3 bit, run a self drilling screw into each of the four pilot holes. This prevents rubber from movement.

8

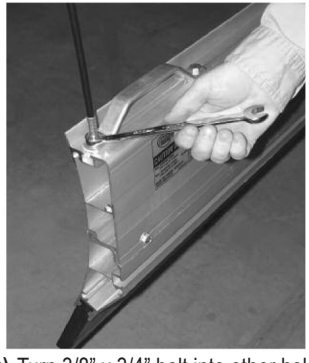




a) Hang blade on push frame in the transport position and insert key hole pins with tether cord attached.



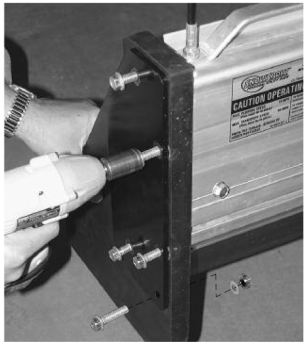
b) Insert two square nuts into top channel. Turn a hex nut onto stud of blade marker and align marker with hole on lift handle and bolt marker and handle to blade using square nut in channel.



c) Turn 3/8" x 3/4" bolt into other hole on handle and thread to nut in channel. Handle should be flush with blade edge. Then tighten both bolts on lift handle. Repeat at other end.

9

a) Attach rubber end and metal cap plate to end of blade with four long self threading bolts.



b) Tighten all bolts until rubber begins to compress to blade. Insert a 5th bolt to tighten bottom of rubber to bottom of end plate. Use flat washer and lock nut.

c) Tighten all bolts equally. Repeat box end assembly at opposite end.

OPERATION INSTRUCTIONS

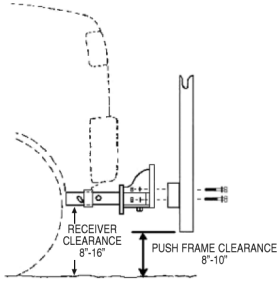
1. TO LOWER FOR PUSHING SNOW:
Step behind blade and remove keyhole pin. Lift one side of blade out of retainer until slide hinge fits over the push bar, then lower blade to ground. Re-insert keyhole pin. Repeat same procedure for other side of blade.

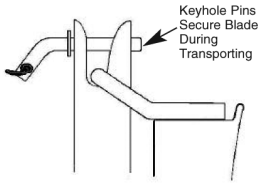
2. TO PUSH SNOW:
Drive forward slowly - blade will engage for pushing. When push is finished, backing up disengages the blade until you are realigned for next push. Repeat this procedure until job is finished.

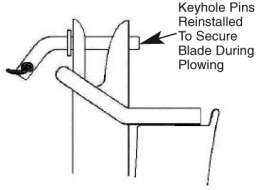
3. TO STORE BLADE FOR TRANSPORTING:
Reverse procedure from step 1 and re-insert keyhole pins.

4. TO STORE BLADE DURING OFF SEASON:
For maximum blade life, periodically retighten bolts and protect blade from sun by storing it inside or covering.

OPERATORS NOTE: WHEN PUSHING SNOW ONTO A PILE, ALWAYS DO SO WITH BLADE IN THE STRAIGHT FORWARD POSITION. PILING SNOW WITH BLADE ANGLED MAY CAUSE DAMAGE TO PLOW OR VEHICLE COMPONENTS.

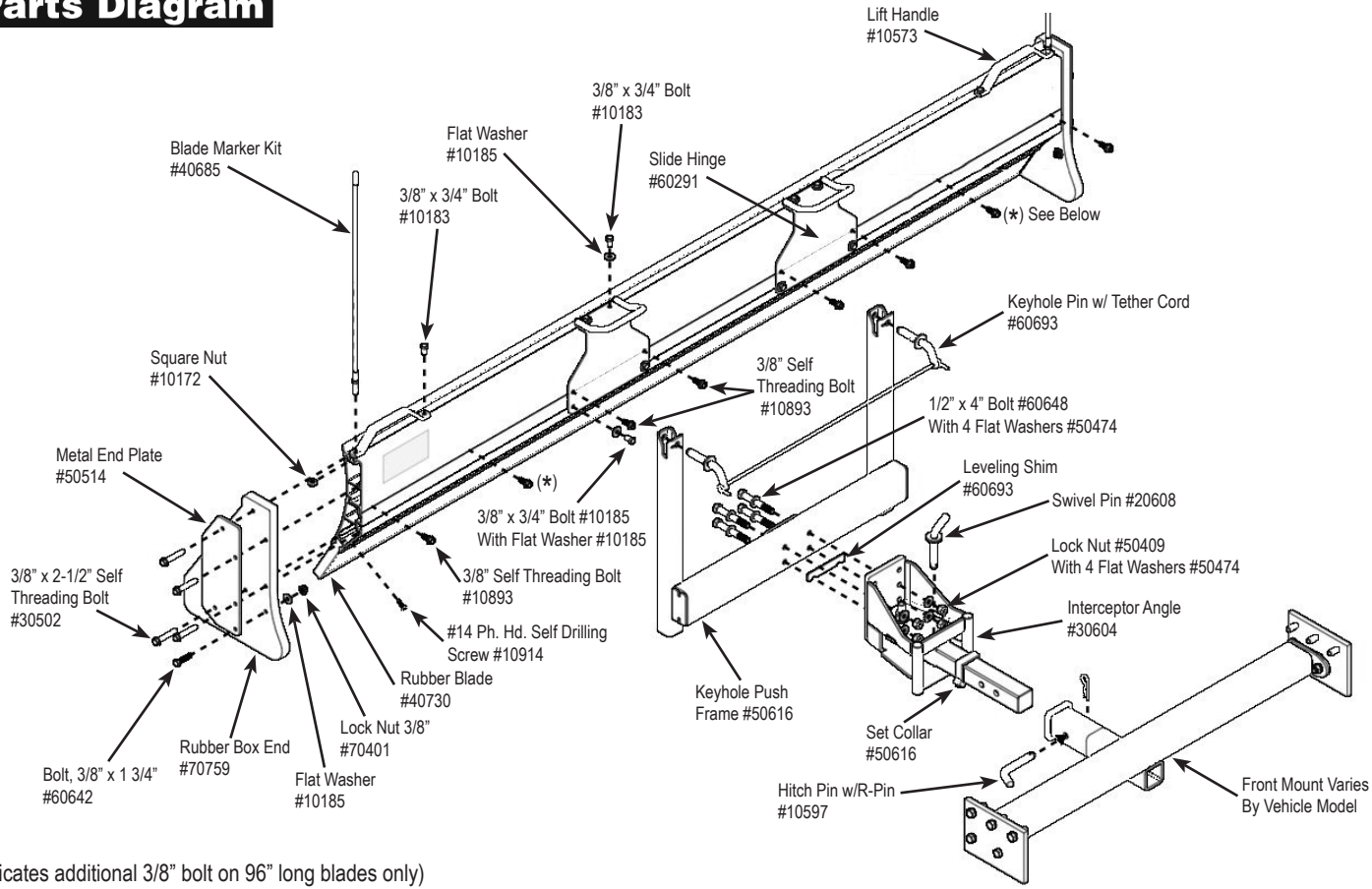






ANGLED INTERCEPTOR NOTE: THERE ARE TWO HOLES IN THE INTERCEPTOR SHAFT. WHEN INSERTING ANGLE INTERCEPTOR INTO FRONT MOUNT RECEIVER, SELECT THE HOLE WHICH ALLOWS BLADE TO SWING ITS FULL ANGLE WITHOUT CONTACTING VEHICLE.

Parts Diagram



(* Indicates additional 3/8" bolt on 96" long blades only)