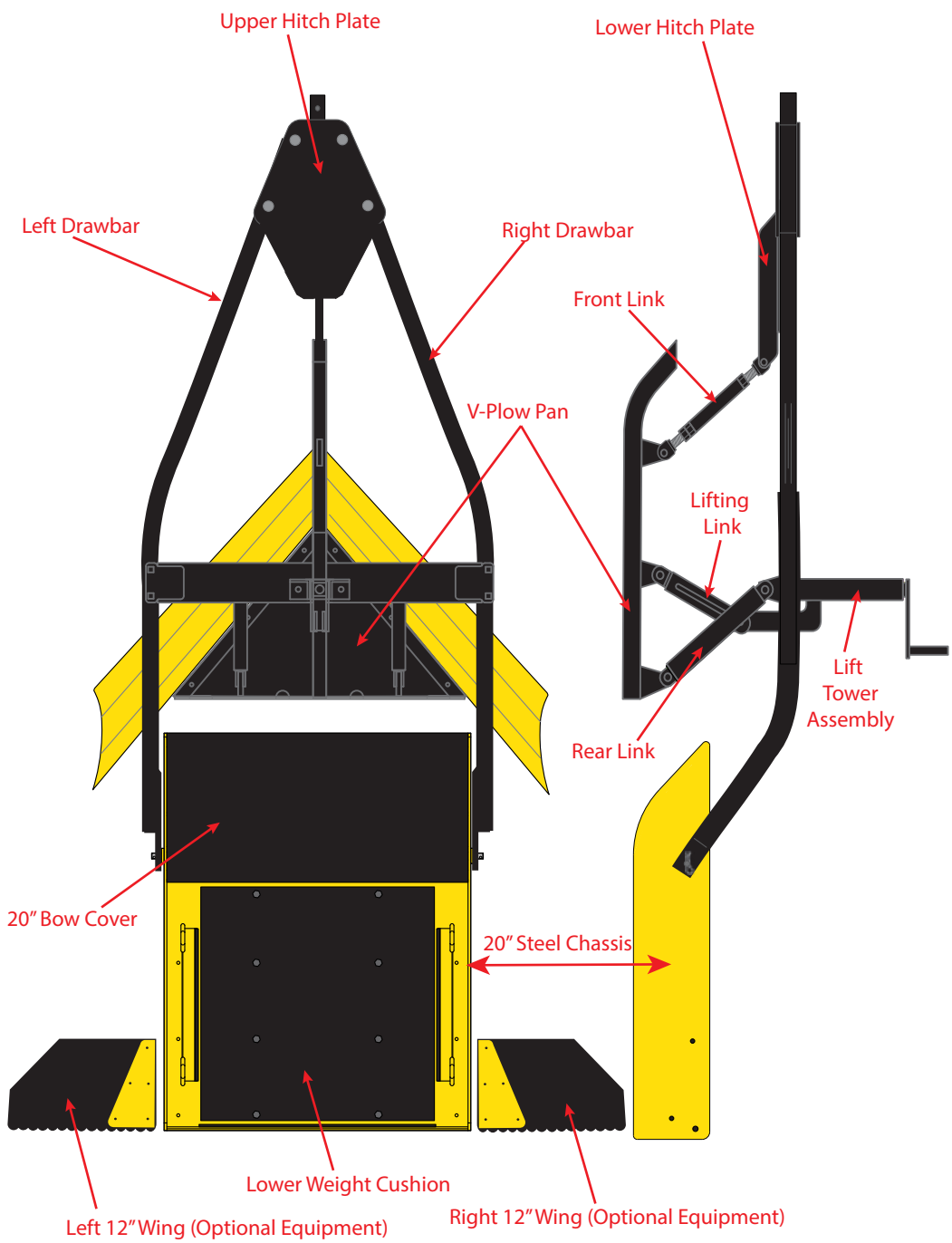


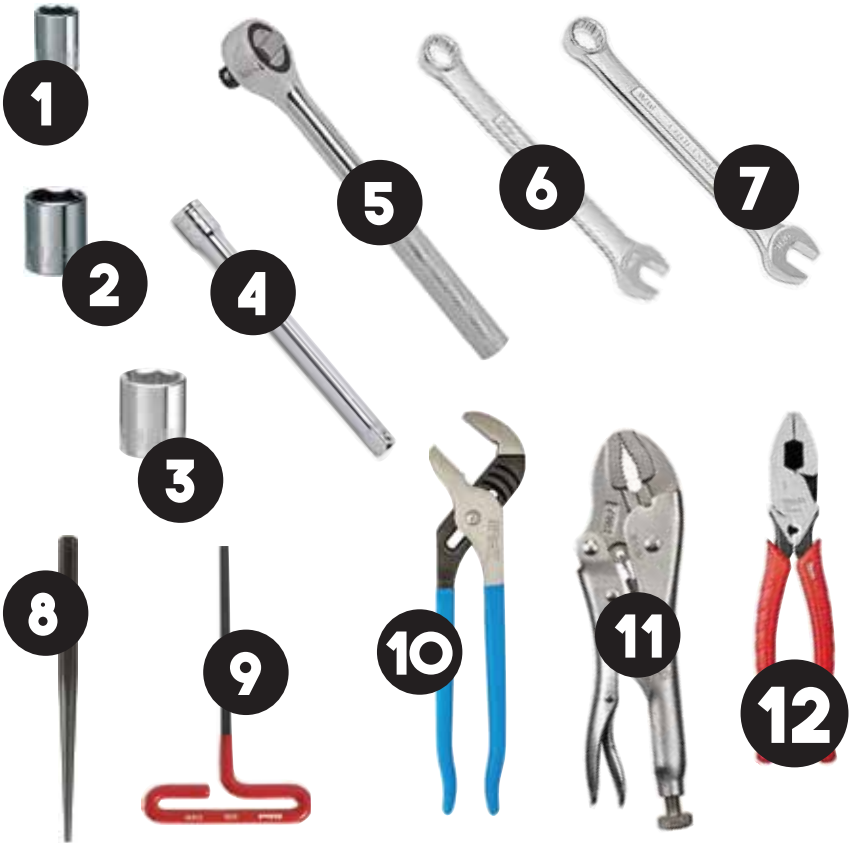


SNO-BLASTER[®]

Assembly Instructions



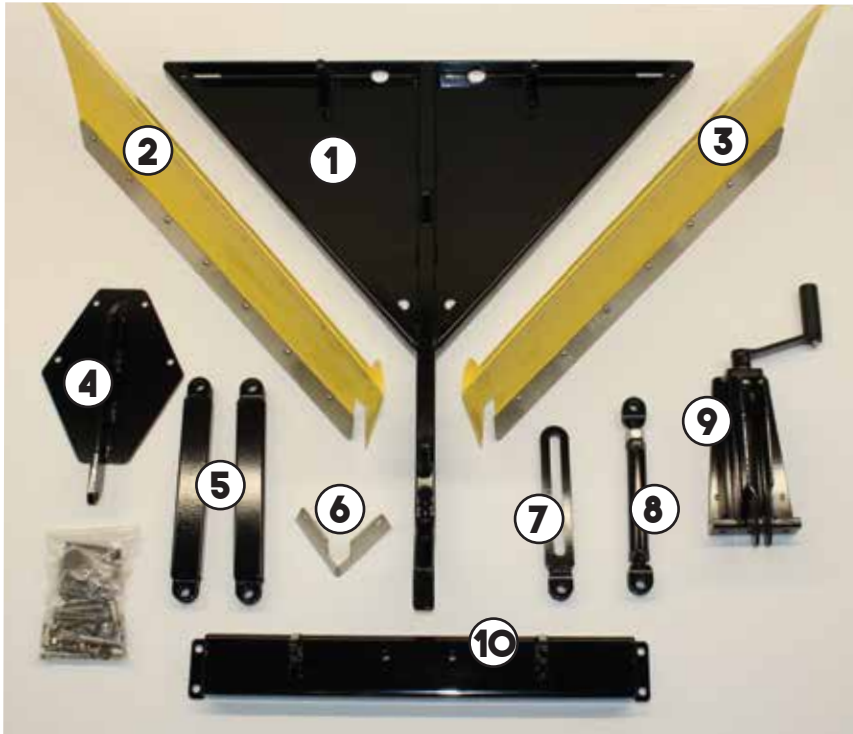
TOOLS



- 1 - 7/16" SOCKET
- 2 - 1/2" SOCKET
- 3 - 9/16" SOCKET
- 4 - 8" EXTENSION
- 5 - 3/8" RACHET
- 6 - 9/16" WRENCH

- 7 - 7/16" WRENCH
- 8 - CENTER PUNCH
- 9 - 5/32" ALLEN WRENCH
- 10 - CHANNEL LOCK PLIERS
- 11 - VISE GRIP PLIERS
- 12 - LINEMAN PLIERS

PARTS & HARDWARE



1 - 20" SNO-BLASTER[®] CHASSIS

1- DRAWBAR ASSEMBLY

- SNO-BLASTER 33 DRAWBAR

- HITCH PLATE ASSEMBLY

1 - 12" WING SET (OPTIONAL)

1 - LEFT 12" WING

1 - RIGHT 12" WING

4 - 1/4 X 1" SS HEX BOLT4

4 - 1/4 SS NYLOCK NUTS

1 - ASSEMBLY HARDWARE KIT

1 - WEIGHT COVER

2 - 15" RUBBER STRAPS

1 - 6" PIN COUPLER W/ DETENT

PIN OR 6" RING COUPLER

2 - 1-5/8" SHEAR PINS

2 - 3/8" WASHERS

2 - COTTER KEYS

1 - V-PLOW ASSEMBLY

#1 - PLOW FRAME

#2 - RIGHT SHOVEL

#3 - LEFT SHOVEL

#4 - SB LOWER HITCHPLATE

#5 - (2) REAR LINKS

#6 - PLOW NOSE GUARD

#7 - LIFTING LINK

#8 - FRONT LINK

#9 - LIFTING TOWER

#10 - CROSSTUBE

ASSEMBLY

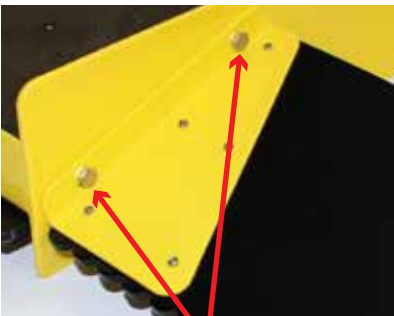
STEP 1 – WINGS

If your grooming package includes the 12” Wing Set complete Step 1, otherwise skip to Step 2.

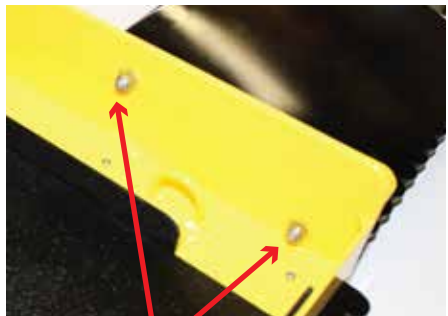
Attach either wing with the black Urethane Comb facing down and the corduroy combs near the rear of the chassis.

Using the included 1/4 SS Hex Bolts and 1/4 SS Nylock Nuts, insert the bolts through the wing bracket and through the chassis.

Finger tighten the 1/4-20 Nylock Nuts until both bolts are installed. Tighten all four bolts and nuts using a 7/16 wrench on the Hex Bolt and a 7/16 socket on the 1/4 Nylock Nut.



STAINLESS STEEL HEX BOLT



STAINLESS STEEL NYLOCK NUT

ASSEMBLY

STEP 2 – DRAWBAR

SNO-BLASTER 33 Drawbar

Start by attaching the drawbars separately. Place one side of the drawbar over the chassis drawbar pin with the chassis connection end flat to the chassis and the hitch plate end coming together in front of the chassis. Repeat for opposite side.

Add the 3/8 washer to the chassis drawbar pin and insert the cotter pin through the hole through the chassis drawbar pin. Using the needle nose pliers, bend the cotter pin halves in opposite directions to securely fasten the drawbar to the chassis.

Join the two drawbar arms together with the upper and SB lower hitch plate. The upper hitch plate has the square holes for the four 5/16 x 2-1/2” carriage bolts to be inserted from the top.

After aligning and inserting all four Carriage Bolts, hand tighten the 5/16 SS Nylock Nuts. Using the 1/2 Socket and Ratchet, securely tighten the Nylock Nuts.

ASSEMBLY

STEP 2 – DRAWBAR

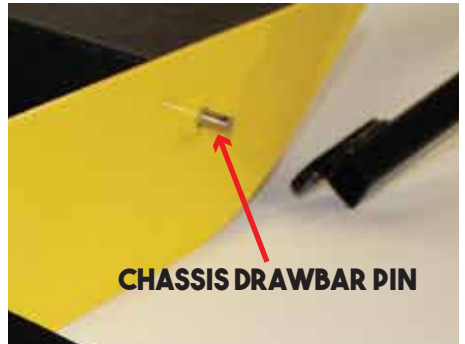


UPPER HITCHPLATE



**SB LOWER
HITCHPLATE**

CHASSIS DRAWBAR PIN



WASHER



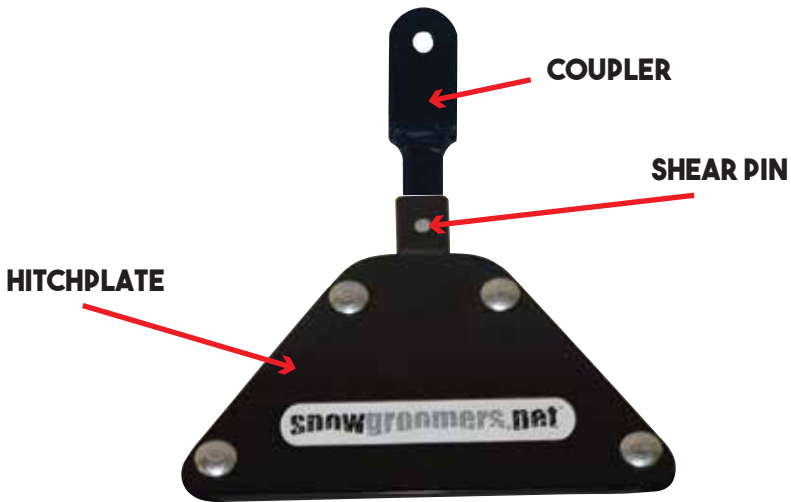
COTTER PIN



ASSEMBLY

STEP 3 – COUPLER

Add the coupler by sliding the square end of the Pin or Ring coupler into the Drawbar Hitch until the shear pin holes align. Insert the shear pin.



STANDARD PIN COUPLERS

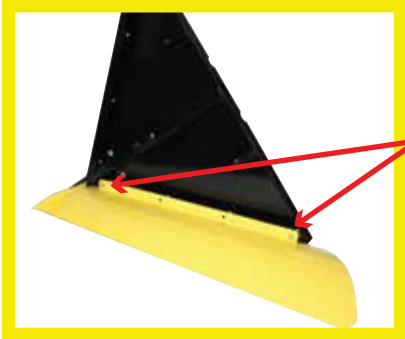


RING COUPLERS

ASSEMBLY

STEP 4 – V-PLOW ASSEMBLY

4.1 ATTACH LEFT SHOVEL TO PLOW FRAME



Place left shovel on table, align plow frame holes with four shovel mounting holes. (tapered hole aligning tool and dead-blow hammer will help with alignment.) Insert (2) 1/4-20 x 2-1/4" Carriage Bolts in the two outside holes and start locknuts.

4.2 ATTACH RIGHT SHOVEL TO PLOW FRAME

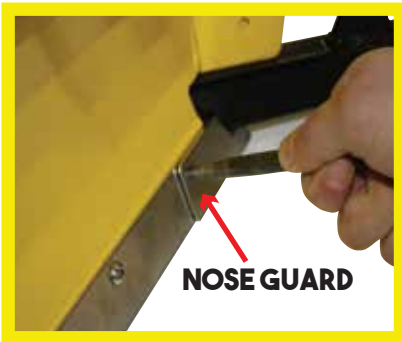


Align right shovel holes with corresponding plow frame holes. Insert the two outside Carriage Bolts and start locknuts.

ALIGNMENT PIN

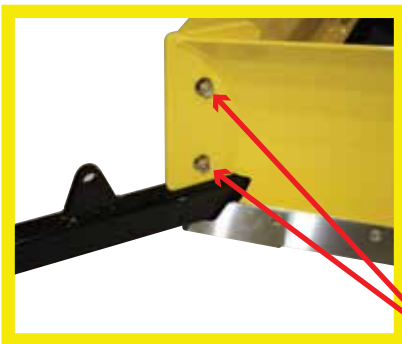
ASSEMBLY

4.3 ATTACH PLOW NOSE GUARD



Remove the front buttonhead screw from the stainless steel wear strips on left and right shovels. Align plow nose guard with holes and insert the two buttonhead screws, leave screws slightly loose.

4.4 BOLT TOGETHER SHOVEL MATING PLATES



Align the front mating plates on the left and right shovels, insert (2) 1/4-20 x 3/4" buttonhead screws with a 1/4" washer on both sides, install locknuts, leaving slightly loose.

ASSEMBLY

4.5 TIGHTEN PLOW ASSEMBLY



Insert the remaining (4) Carriage Bolts in left and right shovels and start locknuts. Securely tighten the two front mating plate buttonhead screws, two nose guard screws and finally the 8 locknuts on the left and right shovels.

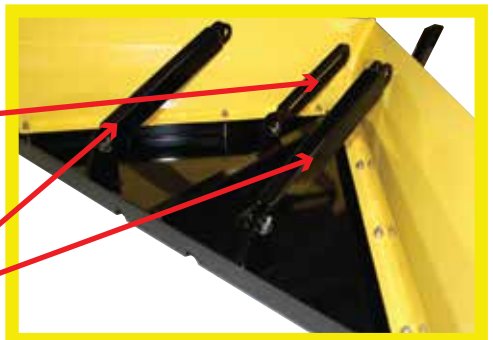
4.6 ATTACH TWO REAR LINKS AND LIFTING LINK



Grease Clevis Pin, Link End and mount for adjustable Front Link. Align the two Rear Links and center Lifting Link with their mounts on the plow frame. Insert the 1/2" x 1" Cotter Pins and securely bend Cotter Pins around Clevis Pins.

CENTER LIFTING LINK

REAR LINKS



ASSEMBLY

4.7 ATTACH FRONT LINK



Grease Clevis Pin, link end and mount for adjustable front link.

Align and insert Clevis Pin and cotter pin, securely bending cotter pin around Clevis Pin. This completes V-Plow assembly.

4.8 ATTACH LOWER HITCHPLATE



Place the Lower Hitch Plate under drawbars and attach using the (4) 5/16" x 2-1/4" carriage bolts used with the upper hitchplate (with receiver for break-away coupler) install locknuts, leaving slightly loose.

ASSEMBLY

4.9 ATTACH CROSSTUBE



Place Crosstube on top of drawbars with two center lift tower holes and rear link mounts towards the back.

Insert (4) 3/8" x 2-1/4" bolts from the top, start locknuts and securely tighten. finish by tightening (4) 5/16" locknuts on hitchplate assembly.

4.10 ATTACH V-PLOW



Pivot drawbar assembly rearward, resting rubber drawbar bumpers on wing brackets. Place two 2 x 4's for blocking up plow assembly and move plow into position. Angle two rear and lifting link rearward, with the front link forward. Pivot

drawbar assembly back into position and block up hitch plate to approximate hitch height. Align Front Link with mount on lower hitchplate, insert Clevis Pin and secure with hitch pin clip. Align two Rear Links with mounts on bottom of Crosstube, insert clevis pins and secure with hitch pin clips.

ASSEMBLY

4.11 ATTACH PLOW NOSE GUARD



Align Lift Tower with mounting holes on crosstube, insert (2) 3/8" x 2-1/2" bolts, install locknuts and securely tighten.

4.12 BOLT TOGETHER SHOVEL MATING PLATES



The Lifting Link has two holes to accommodate different hitch heights while maintaining lifting range. Use the upper hole for hitch heights between 15" and 17" and the lower hole from 17" to 19". Offset couplers are available in 3" and 5" sizes if your towing machine has a hitch height that falls outside of 15"-19" range.

STORAGE & CARE

STORAGE

For best long-term results, when equipment is not in use, remove cement blocks and rinse with water. De-bur bottom of runners and stainless steel. Wipe down with mineral spirits.

During the off-season, please store inside, preferably hung up in a barn or shed. The plastic and urethane parts will last many years if not exposed to unnecessary UV rays and high heat (covering with a tarp outside is not recommended).

CARE

Wipe down with mineral spirits all exposed parts and oil all 8 Clevis Pins along with the Lift Tower Jacking Screw and handle frequently.



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