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HOPPER POLY COVERS 6', 7', & 8' 50" SERIES & 71" SERIES ASSEMBLY AND INSTALLATION GUIDE



POLY COVER PARTS LIST

PARTS LIST, (for 50" SERIES ONLY)

ITEM	PART #	DESCRIPTION	QNTY
A	HWF788	Hardware kit, all fasteners & EPDM cord	1
B	SPHL138	Grab Handle, Poly Coated Steel	2
C	SHA172	Hinge (x1) , for poly hopper covers, 12ga stainless, bolt or weld on.	6
D	SHA170	Hinge Pin, for poly hopper covers, 1/2" w bend 16" long	2
E	SHA406 SHA407 SHA408	Center seam plate, for Poly hopper covers. Aluminum. 6' = 69" 7' = 82" 8' = 94"	1
F	SHA409 SHA410	9' = 106" 10' = 118"	
G	SPC003	Hopper Cover, 3' & 4' 50" SERIES	
H	SPC004	6' = 4 - SPC003 7' = 2 - SPC003 & 2 - SPC004 8' = 4 - SPC004	
J	SPC048	Hopper Cover, 4' & 5' 71" SERIES	
K	SPC060	8' = 4 - SPC048 9' = 2 - SPC048 & 2 - SPC060 10' = 4 - SPC060	
	119190	9/32" Split-point drill bit	1

REQUIRED TOOLS

Tools required:

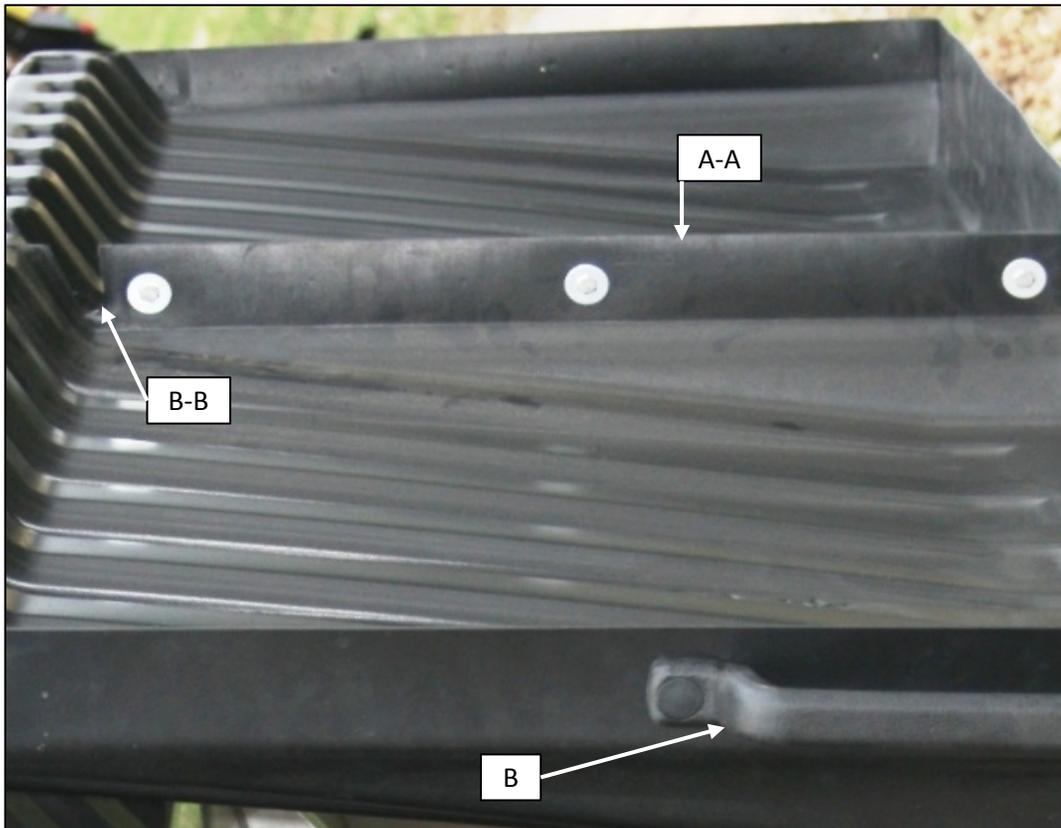
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|--|---|
| <ul style="list-style-type: none"> * Variable speed drill * Tape measure * 3/4" Flat wood boring bit * Tin snip or other cutting tool for straight cut into plastic * File or other deburring tool * Center punch * Marker, thin tip * <u>Safety glasses</u> | <ul style="list-style-type: none"> * 7/16" wrench x 2 * 3/4" wrench x 2 * 1/8" Hex Key wrench * Small rubber mallet * Steel hammer * 9/32" Drill bit (provided in kit) * Marker, thin tip * Cutting fluid, for drilling |
|--|---|

ASSEMBLY INSTRUCTIONS STEPS 1 - 4

STEP

- 1 Place the 4 covers upside down on a flat surface, 2 side by side, and the other two opposing direction. (the 7' model will have the 2 - 4' covers towards the rear of the hopper, the 3' towards the front)
- 2 Using supplied 9/32" drill, drill out the 3 (50" series) or 4 (71" series) pilot holes of the inner faces of the covers (A-A) that face each other side by side. Repeat for opposing covers. On the rear covers only, locate the 2 pilot holes closest to the center seam and drill out using the same 9/32" drill bit. These holes are for the supplied handles. Deburr all drilled holes.
- 3 Fasten the covers together, at the previous step drilled holes, using (6) 1/4"-20 x 1" SS Hex Head bolt and (6) large fender washer SS, through both walls, then another (6) Fender washer with (6) 1/4"-20 nylon insert lock nut. Repeat for the remaining holes in both covers.

Note: the 71" series will require 8 sets of hardware listed above.

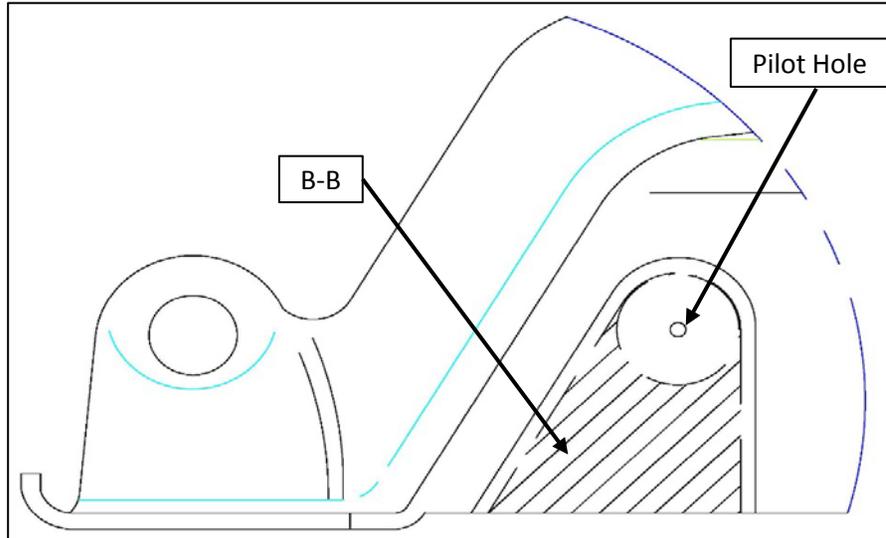


- 4 Fasten the handles (B) to the rear of covers using (4) 1/4"-20 x 1" SS Hex Head bolt and (4) small OD washer SS, through handle, then (4) Fender washers with (4) 1/4"-20 nylon insert lock nut on inner wall of cover. Cover bolt heads with supplied plug covers.

ASSEMBLY INSTRUCTIONS STEPS 5 - 6

- 5 (6' & 8' 50" series only) The area in the below view (B-B), needs to be removed to clear the top screen hinges on the hopper side plate. Using the 3/4" boring bit, use the pilot hole as center and slowly drill thru both sides of the covers where they are joined together only.

Use a cutting tool, such as tin snips to remove the remaining shaded area. Repeat for opposite covers. Deburr any sharp edges with a file or other deburring tool.



- 6 The aluminum center seam cover should typically be installed on the right (passenger side) covers, so that when closed, the rubber EDPM strap can be secured from the driver's side. This is only recommended and is your choice. (not an option for 7' covers)

Install center seam using the 1/4"-20 x 1" carriage bolts through seam plate and plastic cover, followed by 1/4" S.S. fender washer and 1/4"-20 nylon insert lock nuts. (You may have extra hardware, depending on your application)

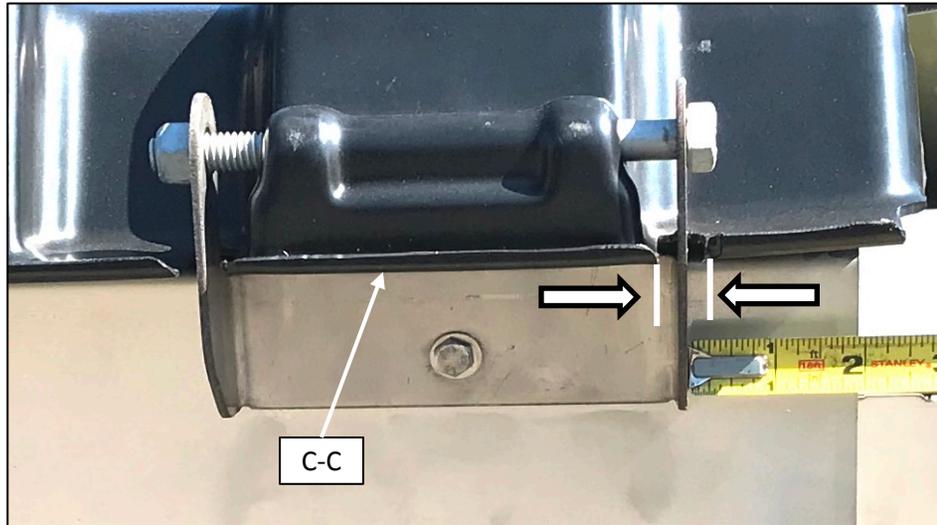


ASSEMBLY INSTRUCTIONS STEPS 7 - 9

- 7 Place 4 of the 6 Stainless Steel Hinges, (item C) at each corner of the spreader, approximately 2" in from the side plate edge. The hinges are designed to hang over the double bend side plate. The center hinges will be mounted as follows: 6' & 8' 50" series Hopper, mount behind the screen hinge, on the molded hinge of the rearward cover. 7' Hopper will be centered between the inward molded hinges.

All 71" series hoppers, the center hinge will be centered on the side plate.

DO NOT DRILL OR FASTEN AT THIS POINT



- 8 Set covers in place on hopper, handles toward rear of hopper. Loosely fasten covers to the 4 hinges using supplied 1/2"-13 x 6" Hex Bolts and lock nuts. The center hinge mounts with the 1/2" aluminum rod(s) and set screw collars.

The covers should overhang the front and rear of the hopper by approximately 1/2".

- 9 Center the stainless hinge(s) between the molded hinge of the covers. (C-C), with equal space indicated by the arrows in the picture above.

Mark locations of the mounting holes with a marker and center punch . Lift Lid up with hinge and rotate out of the way for drilling.

ASSEMBLY INSTRUCTIONS STEPS 10 - 13



ALWAYS WEAR EYE PROTECTION WHEN DRILLING!

- 10 Drill 6 holes using the 9/32" drill bit provided. Set drill on low (if applicable), and/or use low speed only on variable drills. Apply cutting oil to surface and bit before cutting and during cutting, a few drops at a time. Tip: Slowly pull the trigger until the bit gains rotational speed. Drill slowly and allow the bit to do the work apply firm pressure to work surface. More pressure can sometimes cause the drill to stay cooler, as it travels through metal below the last cut surface on every rotation. Let off on the pressure as you break through to avoid spiraling into the hole. Deburr all holes.

- 11 Fasten the hinges to the hopper using (6) 1/4"-20 x 1" SS HH Bolts, (6) 1/4" standard O.D. SS washer through hinge and side plate, followed by (6) 1/4" standard O.D. SS washer, (6) 1/4" lock washer and (6) 1/4"-20 HH Nut.

NOTE: STAINLESS FASTENERS HAVE A TENDENCY TO GALL WHEN OVER TIGHTENED, DO NOT OVER TORQUE.

- 12 Tighten the 1/2" hinge bolts, just enough so that a few threads are protruding from the end of the lock nut.

Tighten the set screws on the lock collars on the 1/2" rods.

- 13 Remove an S-hook from one end of the EPDM strap. There is a precut hole in the top of the center seam where this will be secured using: (1) 1/4"-20 x 1 1/4" HH bolt w/ (1) 1/4" standard O.D. washer, through hole in the strap. (note tight fit), mount on top of hole and fasten with another (1) 1/4" standard O.D. washer followed by 1/4"-20 Nylon insert lock nut.

Opposing end S-hook will secure to the 1/2" center hinge rod.

NOTE: COVERS ARE DESIGNED AND INTENDED TO KEEP MATERIAL DRY WHILE SPREADER UNIT IS IN USE. NEVER LEAVE MATERIALS IN HOPPER OVERNIGHT OR EXTENDED PERIODS OF TIME IN FREEZING TEMPERTURES. ALWAYS FOLLOW GUIDELINES IN YOUR OWNERS MANUAL FOR MATERIAL USE.