

GrowerSELECT[®] HS583E-46KIT ENCLOSED SWITCH ASSEMBLY RETROFIT KIT

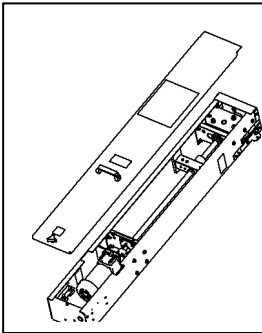
The HS583E-46KIT Enclosure Switch Assembly Retrofit Kit is designed to be fitted into models HS583-XXXX machines with exposed limit switch and controls. The enclosure assembly houses all switches and terminal strip to protect electrical connections from damage caused by the environment.

Installation Instructions:

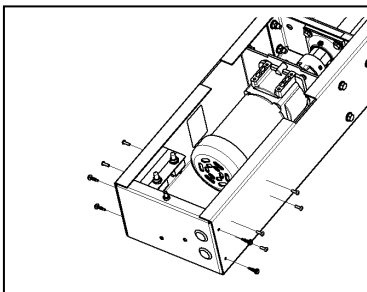
What is included in the kit:

Item #	Part Number	Description	Quantity
1	HS583E-46 Enclosure Assembly	Plastic enclosure assembly	1
2	616551	8-32 x 1/2" machine screw	2
3	8CNNMZ	8-32 lock nut	2
4	9705090500	10-16 x 3/4" Hex head screw	4
5	10F37MXPZ	10-32 x 3/8" machine screw	1
6	606804	10-32 KEPS nut	1
7	HS583-3SW	End cap assembly	1
8	HSART-430	Drill Template Sheet	1
9	9688K211	3/16" Plastic plug	5

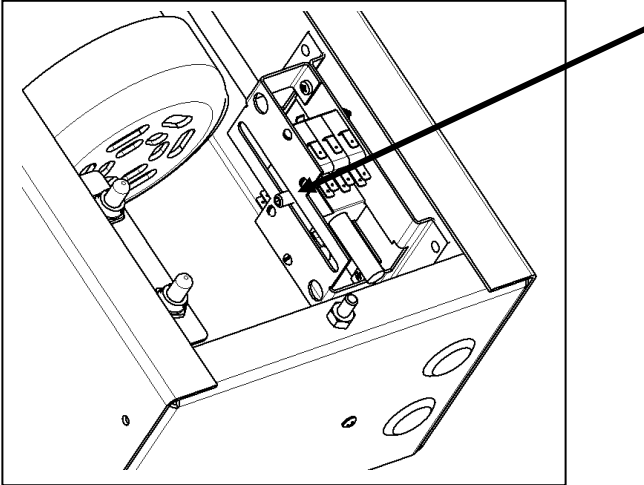
1. **DISCONNECT POWER FROM MACHINE**
2. Remove housing cover.



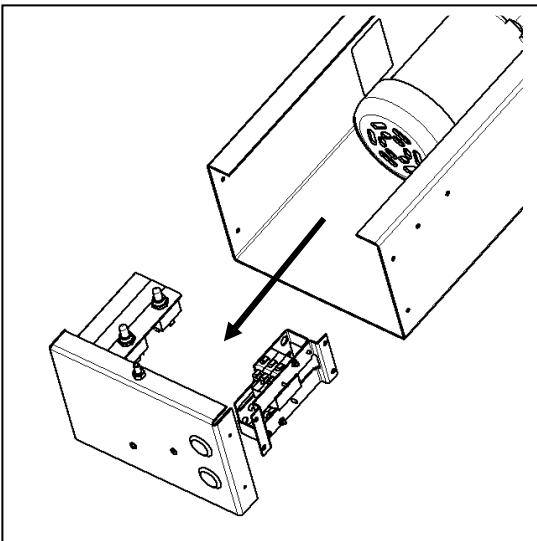
3. Disconnect incoming wires from terminal strip. Remove incoming wires from machine housing.
4. From the motor end of the machine, remove (4) hex head screws from the end plate using 5/16" socket and the (6) Phillips head screws that secure the limit switch assembly and toggle switch assembly to the housing.



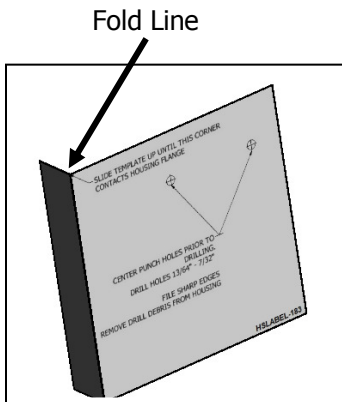
5. Loosen Allen head set-screw at the limit screw until the slide block is free from the limit rod.



6. Disconnect motor and slide limit switch assembly, toggle switch assembly, and end cap out the end of the housing. All components will be tied together by the wiring harness.

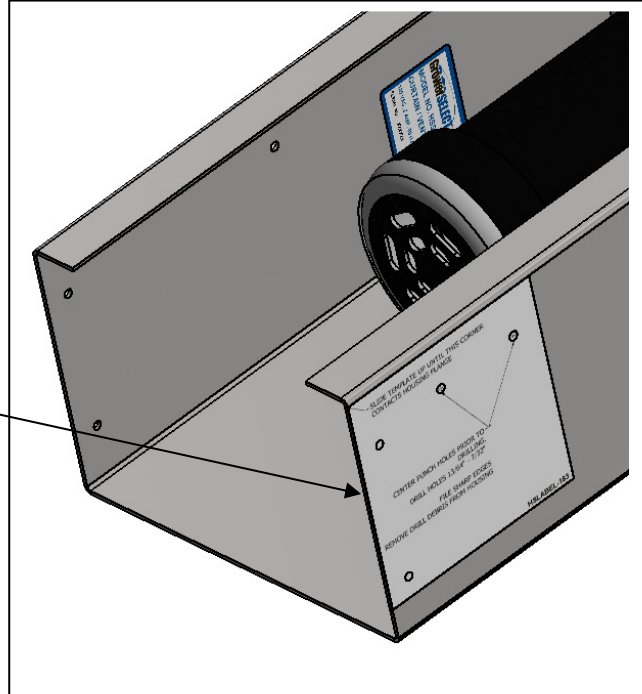


7. Carefully cut out supplied template HSART-430 along noted dashed lines. Fold template along "Fold Line" taking care to make the fold crease along the indicate line close as possible.

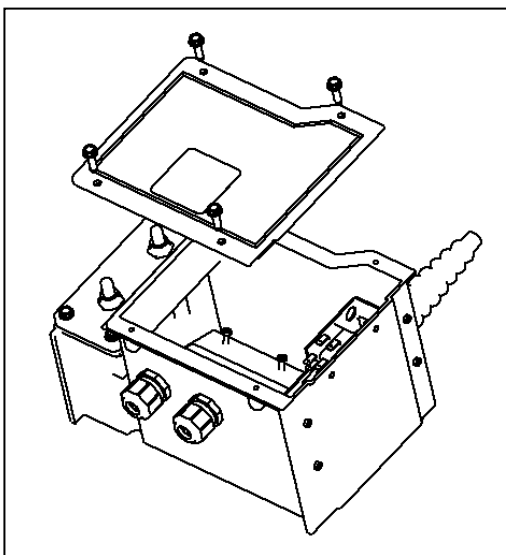


- Place template over the end of the housing as shown. Fold line to match up with housing end. Move template upward until the top of the template contacts the underside of the housing flange. Continue folding edge of template around end of housing to help secure. Use tape to secure the template in this location. Using center punch, mark the (2) holes to be drilled. Drill holes using 13/64" up to 7/32" drill bit. Remove all burrs and drill debris from housing.

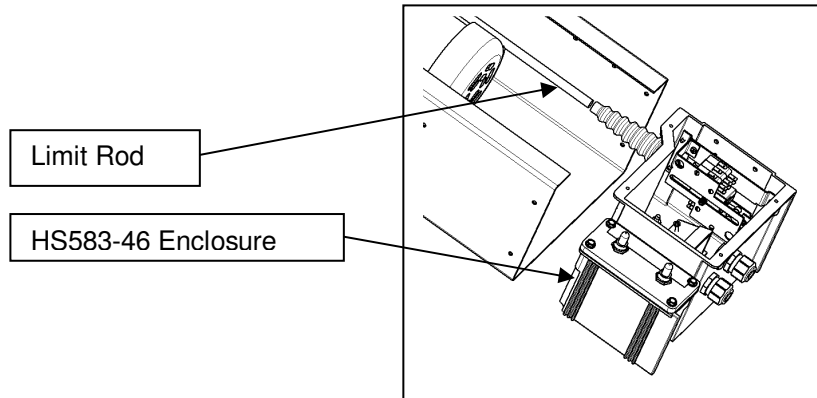
Top edge of template to contact the underside of housing flange. DO NOT FORCE OR DEFORM TEMPLATE



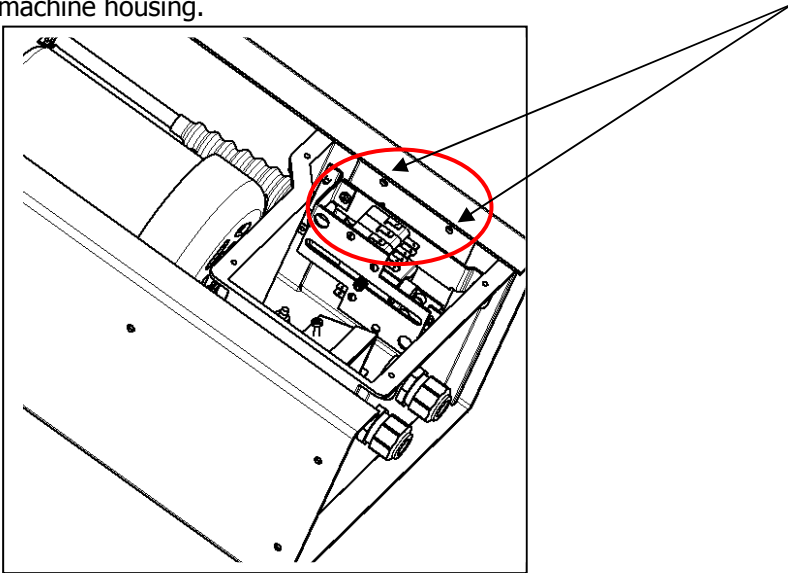
- Remove (4) hex head screws with 5/16" socket and remove cover from the HS583E-46 assembly.



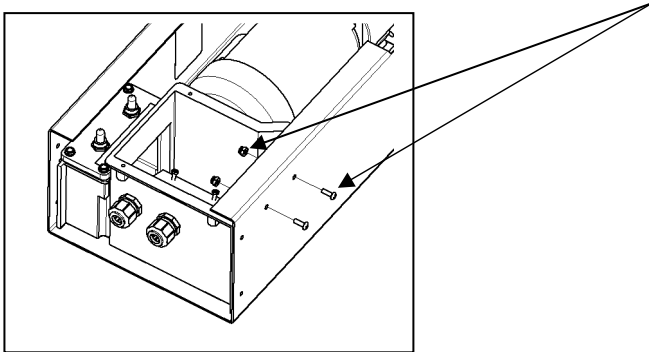
10. Align HS583E-46 enclosure with end of housing as shown. Insert limit rod into rubber bellows and slowly slide limit switch enclosure into end of machine housing. Align limit rod with limit switch slide block. Continue to slide HS583E-46 enclosure into housing. **DO NOT FORCE.**



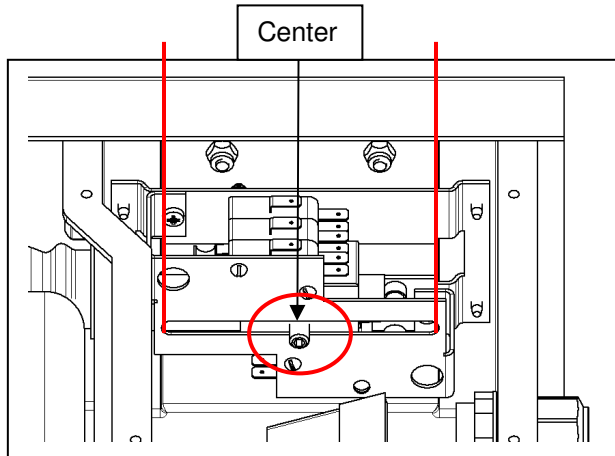
11. HS583E-46 is in place when mounting holes in plastic enclosure are aligned with newly drilled holes in machine housing.



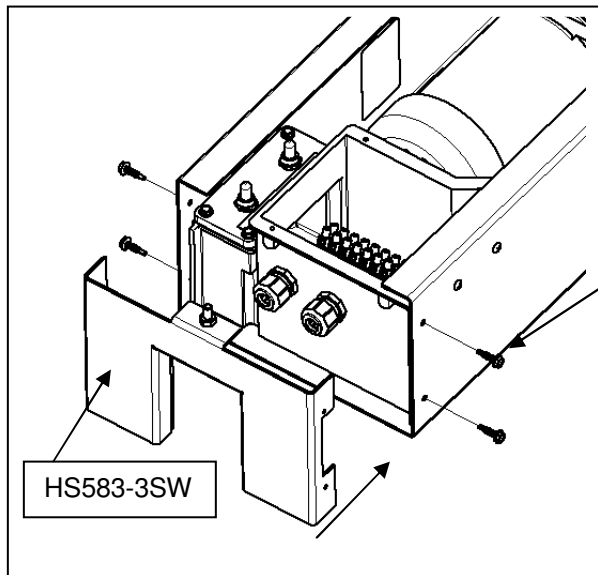
12. Install (2) (item#2, 616551 screws) through machine housing from outside into and through plastic enclosure as shown. Install (2) (item#3, 8CNNMZ lock nuts) . Tighten securely.



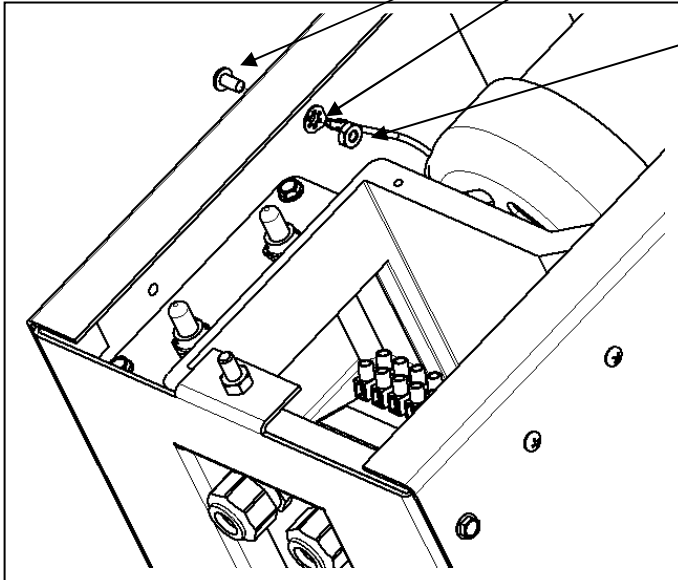
13. Set limit switch slide block in the middle of the switch (center of travel range). Tighten Allen head set-screw securely to 30 in-lbs minimum. When using loose "L" shaped Allen wrench. Grasp near end of wrench and tighten until wrench flexes.



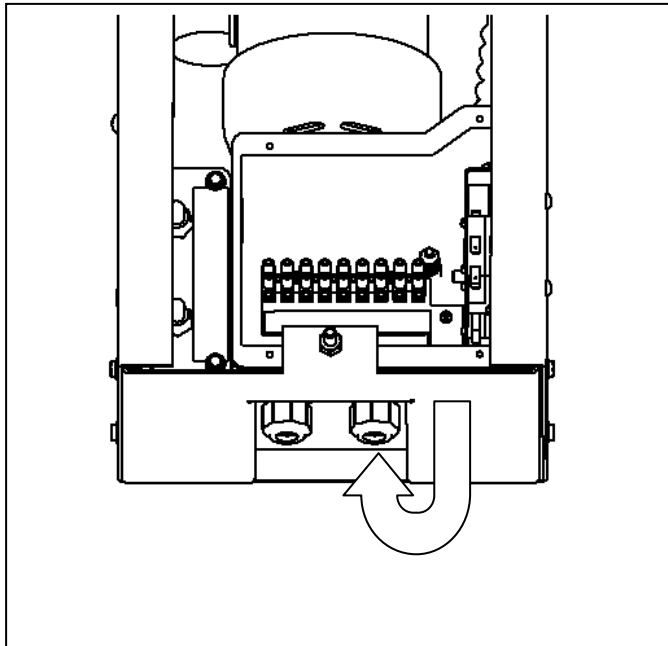
14. Install (item # 7, HS583-3SW) into the end of machine housing as shown until flush with machine housing. Secure using (4) (item#4, 9705090500 screws) using 5/16" drill driver or socket.



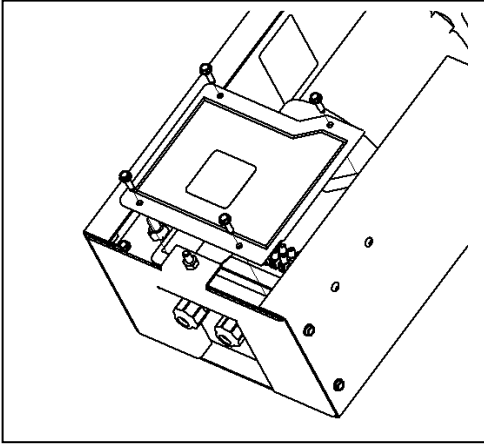
15. Locate loose green wire found near top of enclosure on the toggle switch side. Attach ring terminal to machine housing using (1) (item#5, 10F37MXPZ screw) and (1) (item#6, 606804 KEPS nut). Tighten securely.



16. Re-connect motor and incoming wiring to terminal strip. Route wires through provided liquid tight connectors. Tighten liquid tight connectors around cable sleeve once wires are installed.

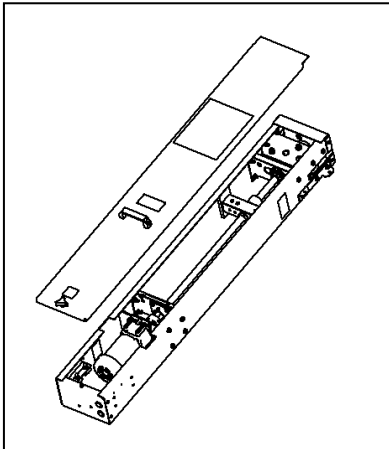


17. Re-install HS583E-46 assembly cover and (4) screws previously removed. Tighten using 5/16" nut driver or socket. **Hand tighten only.**



18. (5) Plastic plugs are provided to insert into the holes no longer used in the machine housing. It may require a small amount of adhesive to hold the plug into place securely.

19. Replace machine housing cover and re-connect power.



This equipment must be installed in accordance with all State and Local Codes and applicable Regulations which should be followed in all cases. Authorities having jurisdiction should be consulted before installations are made.



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Part Number: HSMANUAL-091
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Market: Hog & Poultry