



Specialty Manufacturing, Inc.

Technical Bulletin

HATCH ALARM SWITCH REMOVAL/REPLACEMENT

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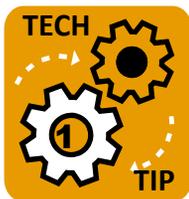


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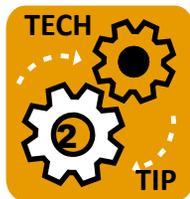
Purpose: This technical bulletin provides information regarding hatches equipped with alarm switches for replacement.

Description:

1. At the end of this technical bulletin you will be able to :
 - a. Test for intermittent alarm signals
 - b. Replace alarm switches.



A cordless drill is recommended as it will allow you to better capture and thread the hex nut on the switch much more easily than with a manual screwdriver, however a manual screwdriver can be used



Other recommended tools include: curved or straight needle nose pliers for disconnecting of wires and connectors

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Your new switch will come packaged with:

- (1) New Switch with arm
- (1) Wiring harness

Wiring harness included in case of damage to
Installed wires or connectors



The pigtail is attached to the switch by spade connectors

- (1) Remove the existing wires from switch



With a pair of needle nose pliers gently walk the wire and
terminal off of spade connector

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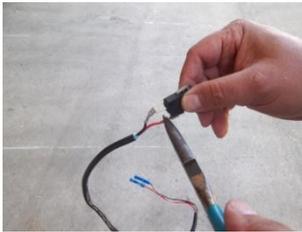


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Using needle nose pliers remove top connector



Repeat bottom connector removal with needle nose pliers.



At this point the replacement switch is ready for installation

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Open hatch



Lift hatch to normal venting position



Place hatch lever to open position



Push the button on hatch knob to open hatch

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With hatch opened



Using cordless screw gun with a #3 bit, loosen the screw on switch from the inside.



Put one finger over hole in back of screw to keep the hex nut captured while removing.



At this point the old switch and cover should fall when the hex nut is loosened

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Switch removed from hatch



Separate switch and pigtail from switch cover



With needle nose pliers remove red and black wires from connectors



At this point you can begin to reassemble the switch

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Switch prepared for installation, note wire locations, longer wire on bottom connector, and shorter wire on top connector



Place new switch and wire harness into switch cover



Reinstall switch by aligning locator tabs on switch cover to holes on release hinge



Locate and place hex nut into switch cover

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With cordless screwdriver, insert and thread ½" screw into hex nut at switch.

Cordless screw driver recommended for easier installation, do not over tighten



Switch mounted and secured to release hinge



Lower hatch down and onto release hinge



Insure hatch is seated properly onto release hinge

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Close hatch and rotate knob to latched position.



At this point the installation is complete

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Stop Arm / Crossing Arm Maintenance Reset

Rev. Level	Rev. Date	Details		Description of Change
		Page	Para.	
-	11/3/11	ALL	ALL	INITIAL RELEASE

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