



# Arctic Tern Roof Hatch Maintenance Bulletin

Versions:

RH3 Manual

RH3 Standard Electric

RH6 Deluxe Electric

In order to maintain proper operation and avoid premature component wear, it is necessary to perform periodic cleaning and lubrication of your roof hatch drive train components. Cleaning intervals should be based upon your specific usage and environment.

### Tools and materials required:

Safety glasses

Vacuum cleaner

Compressed air source

Cotton swabs

Cleaning cloth

Dry silicone lubricant

### Special considerations:

When using compressed air and aerosol lubricants, always wear safety glasses

Use care to avoid driving dirt and debris into the microswitches.

### Component identification:

Figure 1: Overhead view of the roof hatch, with key components identified:

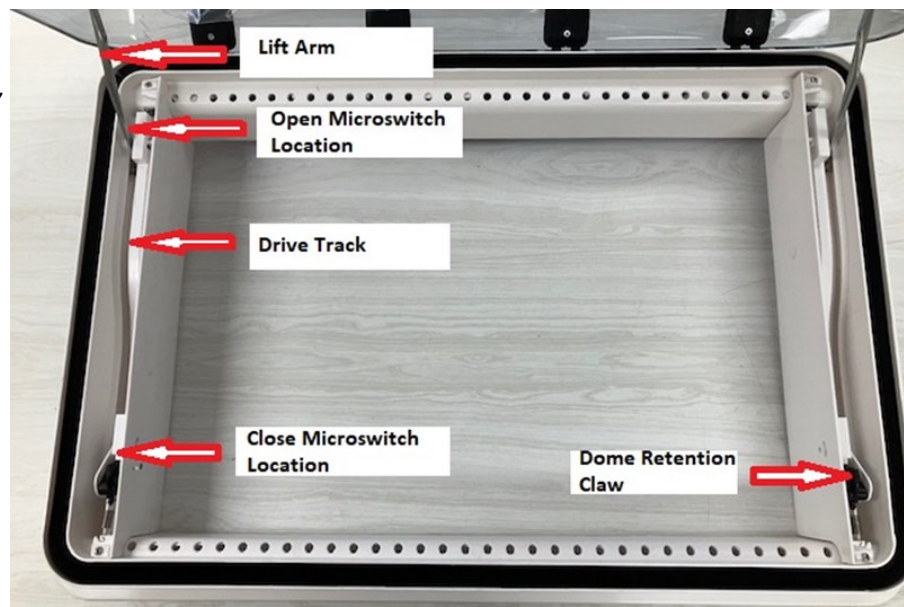


Figure 1

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Figure 2: Closeup of the acrylic dome buffer assembly, located at the top of each lift arm, attached to the underside of the dome.

Figure 3: Closeup photo showing the pivot pin and drive cable end located at the bottom of the lift arm.

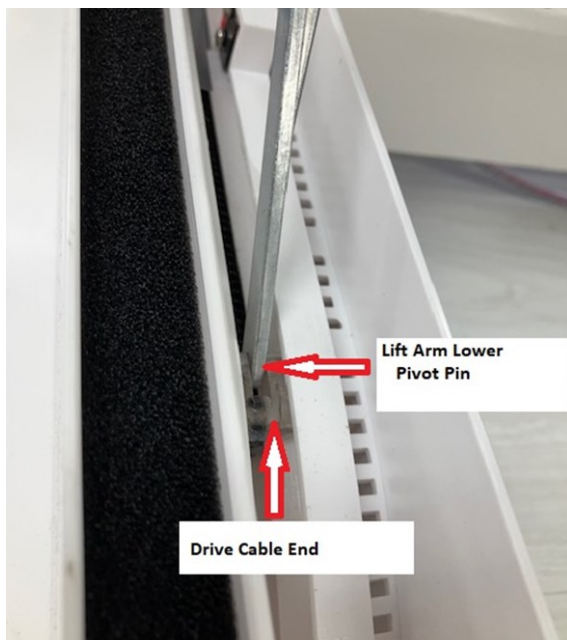


Figure 3

Figures 4 & 5: Closeups of the microswitches.



Figure 2

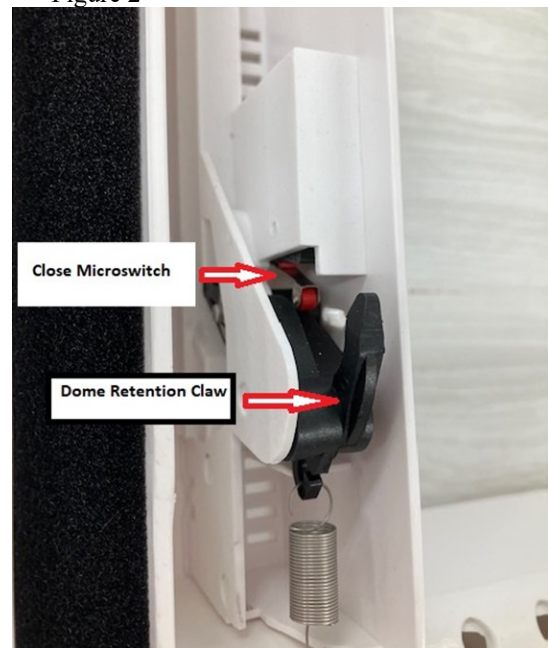


Figure 4

### Cleaning steps:

Using a vacuum cleaner, vacuum as much dirt and debris as possible from the driver and passenger-side tracks shown in figure 6. A crevice tool is recommended.

Using compressed air, blow out the tracks, pivot pins, drive cable ends and retention claws. Avoid blowing dirt and debris into the microswitches. Using a cleaning cloth and cotton swabs, finish cleaning the tracks and all other identified components.



Figure 6

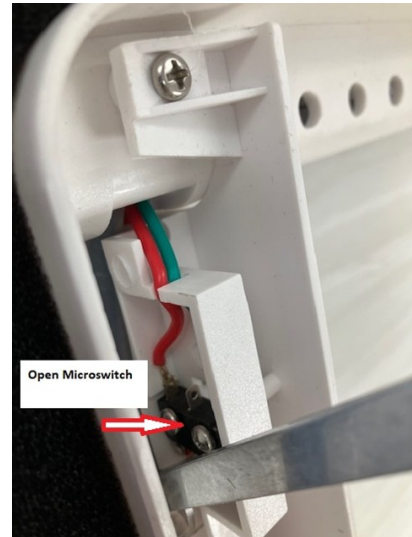


Figure 5

### Lubrication steps:

Using a dry silicone spray such as 3M 08897, lightly lubricate the drive tracks, all pivot pins, the drive cable ends, the retention claws and their pivots, the trailing ends of the microswitches, and the dome buffer springs & shafts.

### Function check :

Completely open and close the roof hatch to ensure it operates smoothly and that the acrylic dome completely latches upon closure.