

TECH NOTE #10

CARE OF TRUTH WINDOW & DOOR HARDWARE

Window and door hardware is expected to give trouble free operation throughout the life of the window or patio door it is mounted on. Truth Hardware has gone to great lengths to ensure the hardware we provide will stand up to the tests of time. All of the hardware manufactured by Truth is protected or enhanced by special coatings and lubricants. These protective coatings and lubricants can be damaged or removed by common household products. If the hardware is properly cared for it will provide you with years of trouble free service.

The following information concerns the proper care of Truth window and door hardware.

Cleaning

Due to the wide range of environments our hardware is used in, some cleaning may be required. Wind blown dust and dirt can cause the windows and doors to be more difficult to operate, as well as cause the hardware to wear or corrode faster. Routine maintenance and inspection of hardware is even more critical in coastal areas and some industrial areas, as these harsh environments can have detrimental effects on window and door hardware.

We recommend the hardware be inspected once a year (more if necessary) and cleared of dirt and grime build up. Particular attention should be given to cleaning dirt from slides in window hinges and from the track where the patio door rollers glide.

Clean water should be used when possible to flush the hardware clean. A mild (hand wash) dish soap and water mixture can be used to loosen stubborn dirt. Always rinse the hardware with clean water. Allow the hardware to dry completely before lubricating.

Cleaners to AVOID

DO NOT USE THE FOLLOWING:

- Vinegar Based Cleaners
- Citrus Based Cleaners (Lemon, etc.)
- Industrial Strength Cleaners
- Abrasive Cleaners

These types of cleaners will not only remove the lubricants from the hardware, they can also remove the corrosion resistant coatings.

Warning: Glass cleaners and brick/siding washes, with the above ingredients, must not come in contact with the hardware for the reasons listed above.

Lubrication

After the hardware is clean and dried it must be lubricated to restore the smooth operation, and in some cases corrosion resistance. There are a number of commercially available products which can be used. It is recommended that the replacement lubricant be similar to what was removed. (If the gears were coated with grease before you cleaned them, re-lubricate only with grease, not a spray such as WD40, etc.) The following list of products will help you know where each should be used.

Lithium Grease: Use on all gear drives; such as operators and locks. Best choice due to waterproofness.

WD40 or CD2: Use on all sliding or rotating joints; such as rollers, pivots, brackets, hinges and chains. Another area this lubricant can be used is in the sliding pin inside the bolt and to the lock cylinder on bi-fold door hardware. Attaching a tube to the nozzle will help concentrate the spray and direct it to the appropriate spot. There are access areas on dropbolt products to allow this procedure to be done without having to remove the locks from the doors. These lubricants won't last as long as oil.

Automotive Grease or Petroleum Jelly: Will work in same areas as White Grease, but is not as waterproof and it will attract dust. Be careful when applying grease since it will stain any wood it contacts.

Light Oil
Such as 3 in 1 Oil: Can be used on sliding or rotating joints. Care must be used when applying due to possible staining of wood parts.

Graphite: Can be used on sliding and rotating joints. Also works good on cam locks and hinges.

Warning: Avoid the use of silicone based sprays or lubricants. Silicone can cause some plastic parts to become brittle.

There are many other products which can be used which will give equal results. Care must be used when applying any lubricant to avoid staining and/or damage to window or door parts. Since lubricants only work if present, periodic checks should be done to ensure the function of the hardware.

Care of PVD Finishes

Physical Vapor Deposition, also known as PVD is the name for an extremely durable and environmentally friendly finish which is popular in today's market. PVD Finishes are resistant to fading and discoloration by direct sunlight, ultraviolet light or humidity and also withstands the harsh environmental elements found in some coastal areas.

As with many finishes, care is required to help maintain the appearance of the PVD finish.

- Periodically (bi-monthly) it is recommended that the surface be cleaned thoroughly with a soft, non-abrasive cloth moistened slightly with soap and water.
- Do not use abrasive materials (dry or liquid) during the cleaning process of your PVD finish.
- Wipe off any excess liquid with a soft cloth in order to dry the product completely to avoid any water spots.

If the above steps are followed, the hardware on your windows and doors should give years of dependable service. If you have questions on cleaning or lubrication of Truth products, please call the Technical Service Department at Truth Hardware at 1-800-324-4487.