

Squeaks & Rattles

The DUPONT™ KRYTOX® ADVANTAGE
Newsletter for the Automotive Industry

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**DuPont Krytox®
can be the
solution for
quieting those
squeaks and
rattles!**

Frequency of Squeak and Rattle Problems on the Rise!

The softening automotive market has resulted in much greater attention being paid to S&R problems throughout the industry. Customer satisfaction translates into customer loyalty; and this has become a critical metric as manufacturers elbow for market share.

In addition to the greater emphasis on keeping your customers happy, designers are finding that tighter time lines and greater pressure to bring new vehicles to market are leaving them with less opportunity to detect subtle problems like S&Rs. Finally, greater and greater pressure to reduce costs have forced engineers to switch to lower-cost materials that often result in S&R problems that don't show up until late in the design cycle.

Krytox® oils and greases are becoming a critical weapon-of-choice in dealing with these last-minute problems throughout the world-wide automotive industry. Once identified, engineers have discovered that Krytox® can be used to easily and effectively diagnose the source of many S&Rs through trial and error application of the material to the suspected source(s) of the noise or vibration.

Since Krytox® does not require sophisticated application equipment and is easily "shoehorned" into most existing processes, it is often adopted as an immediate "containment" solution while alternate long-term solutions are evaluated. Many of our long-term applications have started out exactly in this manner— Subsequent investigation and testing frequently reveal Krytox® to be the most durable and cost-effective solution for the duration of the life cycle of the vehicle.

Windshield and backlite lace itch/squeak suppression

Windshield wiper bearing

High temperature anti-seize

Clutch pilot bearing

Spark plug boot

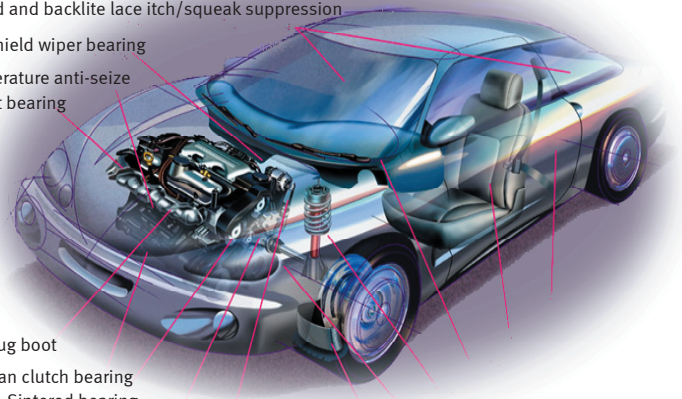
Viscous fan clutch bearing

Sintered bearing

Idler pulley bearing

Alternator bearing

Constant-velocity joint
Tire mold/tire cord



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building better value . . .

with DuPont™ Lubricant and Coating Solutions

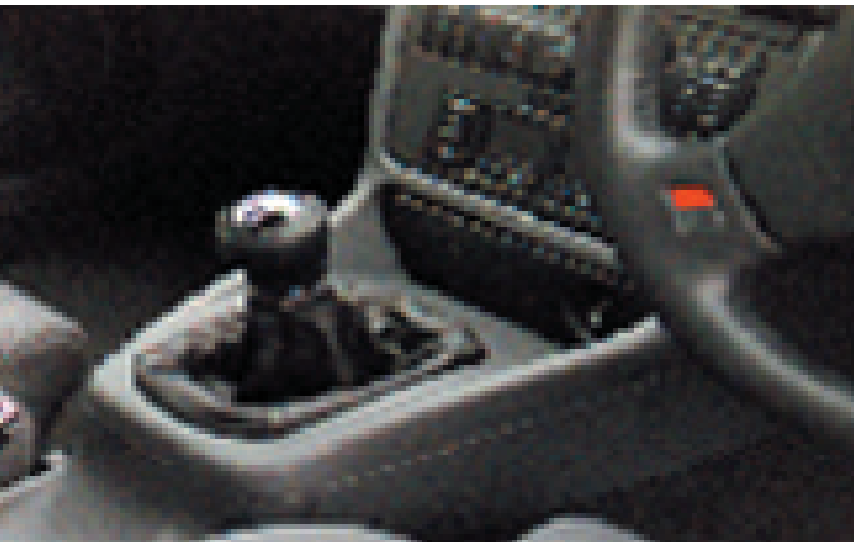
**Your best
customers
are your loyal
customers!**

**Help keep them
that way with
Krytox®!**

An Array of Applications

Krytox® PFPE greases and oils continue to solve problems around the world. Some applications in North America include:

- Elimination of wind noise produced by window glass causing the weatherstripping to distort as the glass is raised.
- Reduction in the force required to open an ashtray on a compact car.
- Elimination of a cupholder squeak in a luxury vehicle.
- Stopping console and instrument panel squeaks on two “twin” vehicles.
- Eradicating a sunroof “tick” on a SUV
- Quieting a window “judder” (glass chatter) on a truck power window system.
- Eliminating a squeak on a SUV compartment latch mechanism.
- Silencing a windshield “creak” problem on a new small car.
- Stopping a weatherstrip “gathering” problem on a truck.

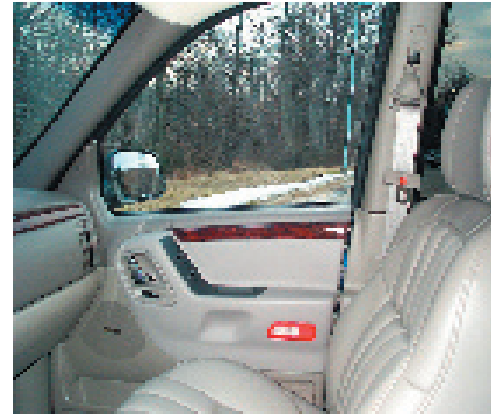


Optimize Your Window Lift!

Krytox® PFPE oils and greases have demonstrated outstanding performance enhancements in window lift systems around the world. Testing has demonstrated significant reductions in opening and closing torque, amperage and lift times in a variety of designs. The performance improvements have been shown to be durable as well, lasting well over the 20M cycles most manufacturers consider to be a life cycle for these systems.

Krytox® has been used to solve other problems associated with window lift systems as well, including weatherstrip “bunching” or “gathering,” as well as glass “chatter” or “judder.” A relatively small amount of Krytox® can often solve a problem immediately, at a very modest price, when compared with the time and money involved in a costly redesign.

If these problems sound familiar, please contact your Krytox® representative for more information!



For more information or technical assistance, call DuPont:
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