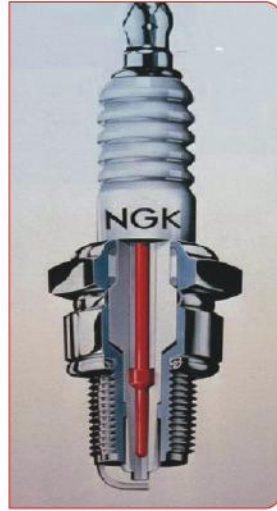




**SPARK PLUG BOOTS, SWITCHES, CONNECTORS,
TRANSDUCERS....**

- The application of DuPont™ Krytox® to spark plug boots results in lowered 'pull off' forces and less unwanted arcing due to the excellent dielectric properties and moisture repelling properties it possesses.
- Switch & relay contacts, transducers and electrical connectors can all benefit from Krytox® application.
- Krytox® will not carbonise or degrade on high-voltage contacts and will continue to lubricate, unlike some conventional lubricants.



**INDUCTION SYSTEM, FUEL PUMPS & CONNECTORS,
CLUTCH & BRAKE COMPONENTS**

- DuPont™ Krytox® is chemically resistant to fuel, brake & clutch fluid. Induction system components, fuel pumps and connectors experiencing fuel & vapour can be lubricated with Krytox®.
- Brake and clutch cylinders can be lubricated with Krytox® fluid to prevent noise & sticking. ABS system components have also benefited from Krytox® lubrication.



**HIGH TEMPERATURE PAINT OVEN CONVEYORS,
TROLLEYS AND CHAINS**

Another excellent application widely used in the industry.



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DuPont™ Krytox®

NVH Solutions



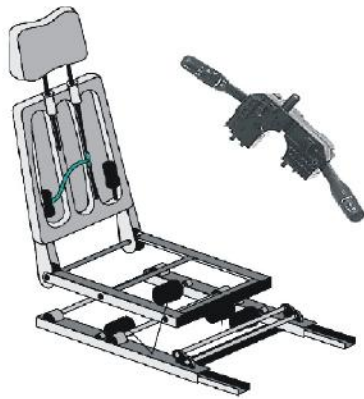
Automotive Industry

Typical Automotive Application Areas

- Interior/Exterior trim -Squeak elimination & interior component lubrication
- Sealing Systems -weather-strip lubricant
- Under-bonnet bearings & components
- Chassis, suspension & steering systems
- Electrical Systems
- Fuel, Clutch & Braking Systems

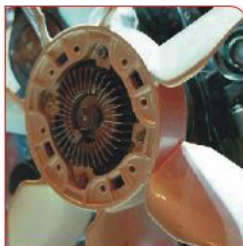
SEAT MECHANISMS & GUIDES, CONTROLS, MIRROR ACTUATORS

Seat Mechanisms: DuPont™ Krytox® is used on seat slides and guides to provide smooth noise-free operation. Krytox® is widely used on ashtrays, cup-holder mechanisms, and HVAC actuators as well -its low volatility insures it will not evaporate, and its inherent inertness renders it compatible with virtually all automotive plastics and elastomers. Krytox® is the most widely-specified lubricant for these types of applications by automakers around the world.



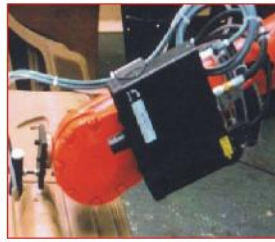
COOLING FAN/VISCOUS FAN CLUTCH BEARINGS

As a replacement for conventional lubricants, DuPont™ Krytox® is well-proven where extremes of temperature and environmental conditions would commonly lead to premature failure of bearings and components. Krytox® has been used to extend the life of sintered electric fan bearings and also in viscous clutch bearings, where consistent torque and durability at high temperatures are important.



SQUEAK ELIMINATION, LEATHER CREAK & INTERIOR COMPONENT LUBRICATION

DuPont™ Krytox® fluids can be used as an alternative to anti-squeak tapes and other interface materials and coatings. When applied in a thin film onto a surface the fluids are virtually invisible and provide a durable low friction coating to the substrate. Krytox® is regularly used on leather & plastic trim including seats facia & consoles. As can be seen in the picture Krytox® is applied to door panel component interfaces such as the Range Rover inner door panel shown where the supplier applies Krytox® to the handle interface using a robot and specially designed spray equipment.



AIR BAG DOORS & AIRVENTS, CONSOLES, FASCIA TRIM INTERFACES, INSTRUMENT PANELS....

Air Bag Doors and Air Vents: These assemblies- especially lips and consoles- can be composed of many different parts, made of many different polymers. The use of many common lubricants can lead to long-term part failure with many of these polymers, especially

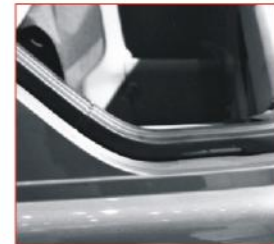


amorphous ones like polycarbonate and styrenics. The outstanding lubricity of DuPont™ Krytox® solves these problems, and its inert nature keeps them solved.



GLASS CHANNELS, SUNROOF SEALS, CONVERTIBLE HOODS, WEATHER-STRIP LUBRICATION...

Glass Channels: These dynamic mechanisms have become outstanding examples of the value of DuPont™ Krytox® ; and, represent some of our fastest-growing application areas. The lubricity and durability of Krytox® results in smooth, shudder-free operation over the life of these components. Many OEMs have found that the use of Krytox® can also allow cost reduction, via elimination of secondary operations such as flocking, as well as leading to reduced forces required for operation.



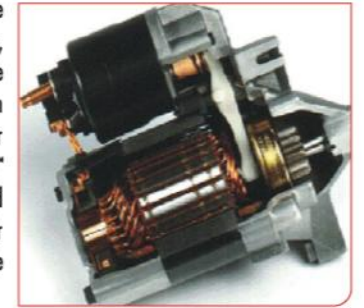
CLUTCH RELEASE & CRANKSHAFT END PILOT BEARINGS

Clutch systems are often experience the extremes of temperature- especially in higher performance & heavy-duty vehicles- the lubricants conventionally used in these areas are reaching their limitations. Failure of clutch release bearings, or other clutch components, can lead to expensive warranty claims as the gearbox needs to be separated from the engine or removed. DuPont™ Krytox® has also been used on bushes & pivots on twin mass flywheel dutches. These bushes were made of DuPont™ Vespele®.



ALTERNATOR & STARTER MOTOR BEARINGS

The increase of electrical components and lack of underbonnetspace for air cooling, along with close proximity of exhaust systems, has often lead to temperature extremes being a problem with premature alternator bearing failure. DuPont™ Krytox® is now used extensively by alternator manufacturers to overcome these problems.



STEERING COLUMNS, CV JOINTS, SUSPENSION SYSTEMS

Suspension mountings and rubber bushings, rose or ball joints, steering column splines and safety-critical components, along with CV joints and universal joints and couplings, are all potentially open to aggressive environments. Water washout and corrosion problems along with stick-slip and noisy operation of these components can be eliminated with use of DuPont™ Krytox® in many instances.

