



INTERIOR COMPONENTS

LUBRICANTS FOR SMOOTH OPERATION, QUALITY FEEL, & DAMPING SOUND

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Dashboard Needle Gauges

When it comes to fuel, speedometer, odometer, and other gauges, relatively inexpensive magnetic systems are being replaced by electromechanical systems, powered by small stepper motors that more accurately change needle positioning. A very soft, silicone grease has shown promise in maintaining the life and accuracy of these precision instruments.

Fluorocarbon Gel 822S-1 - Motor gear

Compartments

In most instances, the sliding surfaces of these interior components are exposed when pulled into their open positions. A lubricant that stays in place and gives plastic a quality sound and feel is recommended.

Fluorocarbon Gel 880 - Doors

Rheolube® 363F - Glove box

Sunvisor

The visor's two rotating parts stay at rest for long periods - a difficult duty for grease, which tends to get squeezed out of the surfaces that are in contact. Additionally, due to the visor's location, lubricants cannot leak oil or emit odor. A heavy-viscosity synthetic hydrocarbon grease is recommended, enabling the visor to remain in place for extended periods, yet move smoothly when activated.

Rheolube® 358PC - Hinges

Pedals

For safety and ergonomics, pedal positioning systems are proliferating. A dripless, odorless synthetic hydrocarbon grease fortified with PTFE is recommended for the bearings, gears, and sliding surfaces in this motorized assembly.

NyoGel® 774VLF - Mechanical damping

NyoGel® 774VLF - Pedal lever

Buzz, Squeak, & Rattle

Minimizing buzz, squeak, and rattle (BSR) is a common challenge Automotive Engineers face during the application design process. A thin film of lubricant applied to interior trims, components, hinges, and slides will reduce the noise generated by vibration and friction. To ensure total compatibility with plastics, PFPE-based lubricants are often preferred.

Rheolube® 363F - Interior trims

UniFlor™ 8172 - Interior components

UniFlor™ 8512 - Hinges & slides

Seats

Lubricating seat tracks is an aesthetic and mechanical challenge. When seats are pushed completely forward or back, a portion of the tracks is exposed, so neutral colored greases are preferred. Because of the track's proximity to seat fabric and carpeting, the grease cannot stain or leak oil. Finally, the seat track assembly has to allow for play without rattling or vibrating at high speeds.

Rheotemp™ 662 - Seat tracks

Rheolube® 361F - Lumbar actuator

Rheolube® 368AX-1 - Motor gear

UniFlor™ 8172 - Recliner mechanisms

UniFlor™ 8472 - Headrest

Rheolube® 368F - Seat belt retractor

Shifter

Console-mounted PRNDL assemblies require lubrication mainly to dampen noise and create a perception of quality not often found in plastic parts. The synthetic lubricant should enable the mechanism to slide smoothly between notches, while imparting a quality feel to the thumb-activated release mechanism. It should withstand the cold and offer vibration and noise reduction.

NyoGel® 774VLF - Mechanism

Rheosil™ 500F - Plastic parts

Switches

Contemporary climate control systems rely upon a series of motorized vents to re-route airflow for operator comfort. A synthetic lubricant for this application should be engineered specifically to work with plastic gears. It should also offer stability at low temperatures.

Volume controls, tone controls, and even the thumb wheel used to dim dashboard intensity benefit from damping greases. They extend life and convey a quality feel to hand-operated devices.

NyoGel® 774F - Radio knobs

NyoGel® 774VH/774L - Headlight switch

NyoGel® 774HF - HVAC controls

NyoGel® 779 - Rotary temperature control

Rheolube® 362HT - Audio switches

Fluorocarbon Gel 868H - Multifunction switches

NyoGel® 760G - Terminals & connectors