



INTERIOR COMPONENTS

Lubricants that reduce noise and convey a quality feel to hand-operated interior components, while ensuring material compatibility.



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EXTENDING OPERATING LIFE WITH SYNTHETIC LUBRICANTS

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.

Motor Gears - Fluorocarbon Gel 822S-1

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.

Doors - Fluorocarbon Gel 880

Glove Box - Rheolube® 363F

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.

Hinges - Rheolube® 358PC

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.

Mechanical Damping - NyoGel® 774VLF

Pedal Lever - NyoGel® 774VLF

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.

Interior Trims - Rheolube® 363F

Interior Components - UniFlor™ 8172

Hinges & Slides - UniFlor™ 8512

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.

Seat Tracks - Rheotemp™ 662

Lumbar Actuator - Rheolube® 361F

Motor Gear - Rheolube® 368AX-1

Recliner Mechanisms - UniFlor™ 8172

Headrest - UniFlor™ 8472

Seat Belt Retractor - Rheolube® 368F

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.

Mechanism - NyoGel® 774VLF

Plastic Parts - Rheosil™ 500F

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.

Radio Knobs - NyoGel® 774F

Headlight Switches - NyoGel® 774VH/774L

HVAC Controls - NyoGel® 774HF

Rotary Temperature Controls - NyoGel® 779

Audio Switches - Rheolube® 362HT

Multifunction Switches - Fluorocarbon Gel 868H

Terminals & Connectors - NyoGel® 760G



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