



ELECTRICAL COMPONENTS

Lubricants formulated to protect and extend the operating life of electrical connector, sensor and switch components.



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EXTENDING OPERATING LIFE WITH SYNTHETIC LUBRICANTS

Switches

Door & window switches - Instrument Grease 732C

Seat switches - Rheolube® 362F & Uniflor™ 8512

Audio switches & radio knobs - NyoGel® 774F

Headlight switch - NyoGel® 774VH & NyoGel® 774L

HVAC controls - NyoGel® 774HF

Terminals & connectors - NyoGel® 760G

Ignition switch - Rheolube® 362

Sensors

EGR temperature sensor - Rheotemp™ 768G

Bearings in throttle position sensors - Uniflor™ 8922EL

Throttle position sensor - Uniflor™ 8950

Steering angle position sensor - NyoGel® 741A-RED & Fluorocarbon Gel 885

Connectors

Seats - NyoGel® 760G

Door & windows - NyoGel® 760G

Tail lights trailer tows - NyoGel® 760G

Dashboard switches - NyoGel® 760G

And More - NyoGel® 760G

Connectors

Connector lubricants are used to prevent wear and environmental corrosion. They are also very effective at preventing fretting corrosion, the result of micro-motions between contacts caused by vibration and thermal changes within the connector housing. By reducing the formation of metal oxide at the mated interface, connector greases extend contact life and keep resistance low as well.

High insertion force has become a major assembly challenge. Mating multi-pin connectors, sometimes in hard to reach locations, often requires significant force – creating the potential for incomplete mating, as well as repetitive-motion injuries for assembly workers. Synthetic based lubricants reduce high insertion forces without unacceptable increases in resistance.

Sensors

The accuracy and operating life of automotive sensors is directly related to the quality of the lubricant used. Nye offers, low-shear sensor greases for very low power applications; lubricants with exceptional film strength to accommodate heat generated by resistance; thermally conductive lubricants that boost the accuracy of temperature sensors; and unique underhood sensor lubricants that withstand years of vibration, thermal cycling, temperature extremes, as well as salt spray, sand, road grit, and underhood fluids.

When electromechanical sensors or potentiometers break contact, signal is lost. To ensure continuous contact, choose a low-viscosity fluorinated lubricant. A more viscous lubricant may cause the contact to hydroplane, instead of remaining in contact with the resistor.

Switches

Designed to meet the 3X life standard, Nye switch lubricants are available for tin, copper, brass, and noble metal contacts. Tailored to low, medium, or high current switches and formulated for light, medium or heavy loads, these lubricants guard against millivolt drop, open circuit resistance problems, and “-40 °C contact bounce.” Underhood, they withstand thermal cycling and temperature extremes, from -90 to 250 °C and resist humidity, dust, water, salt water, fuel, and underhood fluids. For the mechanical parts of a switch, Nye’s family of damping greases provide an economical way to control the sound and feel.

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