

LUBCHEM KOREA

Specialty Lubricants for Automotive Components

Your global lubrication partner

LUBCHEM
KOREA

Lubrication points and recommendations for brake systems, steering, axles, engine components, clutch, gearshift, doors, interior parts, windows, seats and more

Lubrication points and recommendations for automotive industry

lubrication points and recommendations

BRAKE SYSTEM

STEERING

AXLES & CV JOINTS

ENGINE

CLUTCH & TRANSMISSION

GEARSHIFT

DOOR LOCKS

INTERIOR & ELECTRICAL

WINDOW LIFTERS

SEATS & BELTS

COMPILED FOR INDIAN INDUSTRY BY

Project Sales Corp

LUBCHEM Korea Authorised Partner · Visakhapatnam · India

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All product codes are LUBCHEM Korea designations. Verify current grade, TDS and OEM approval with PSC before quoting or changing any lubricant.

**Start with the component.
Not the product code.**

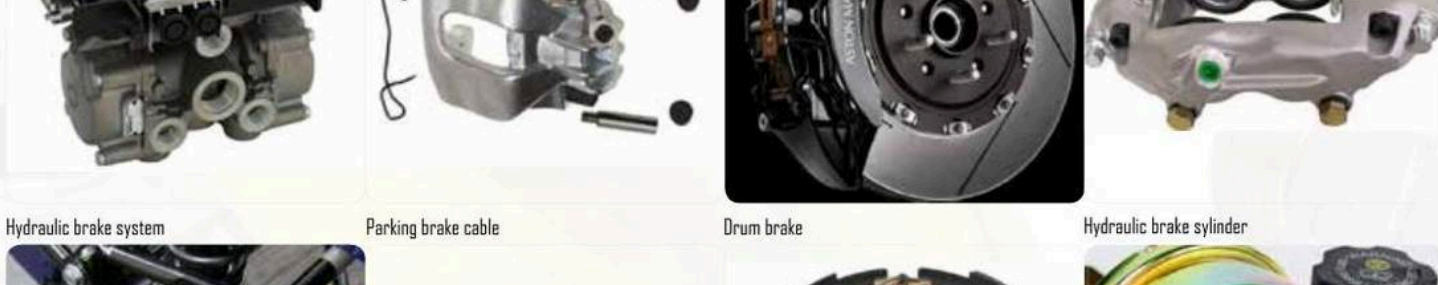
OEM specifications, temperature range, seal compatibility and relubrication method all determine the correct grade — even within the same vehicle system.

PSC APPLICATION REVIEW

Vehicle / OEM / model
Component / lubrication point
Operating temperature range
Seal / elastomer types
Existing lubricant grade

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Brake System Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
ABS Module	PF 8022	P.F.P.E, P.T.F.E	2	–45 to 260°C	High loading capacity and water resistant. EPDM and plastics compatibility.
Disk brakes	BP 3091	P.A.G, Polyurea	1	–40 to 160°C	High loading capacity and water resistant. EPDM and plastics compatibility.
Brake booster	RG 6071	P.A.G, Li-soap	1	–40 to 160°C	Wide service temperature. EPDM and plastics compatibility.
Brake cables	HP 8702	Silicone, Silica	2	–40 to 180°C	Wide service temperature. Excellent low-temperature torque.
Drum brake screws	RG 6052	P.A.G, Li-soap	1	–25 to 1,000°C	High-temperature paste. Surfaces welding protection.
Master cylinder / Slave cylinder	SG 6082	Silicone, Li-soap	2	–60 to 220°C	Excellent low and high service temperature. Water resistant. EPDM and plastics compatibility.
Electric brakes	SYN 6052 PGE	P.A.G+Ester, Li-soap	2	–40 to 180°C	Brake fluid, EPDM and seals compatibility.
Proportioning valves	RG 6071	P.A.G, Li-soap	1	–40 to 160°C	High loading capacity. Water resistant. EPDM and plastics compatibility.
Assembly aids	SB 6070	P.A.G, Li soap	—	–50 to 150°C	Brake fluid, EPDM and seals compatibility. Assembly fluid.

Brake system lubricants must be compatible with EPDM seals and brake fluid. Confirm seal material and fluid compatibility before substitution. Contact PSC for application review.



Tie-rod



Steering motor

Ball joints

Steering System Lubrication Points & Recommendations

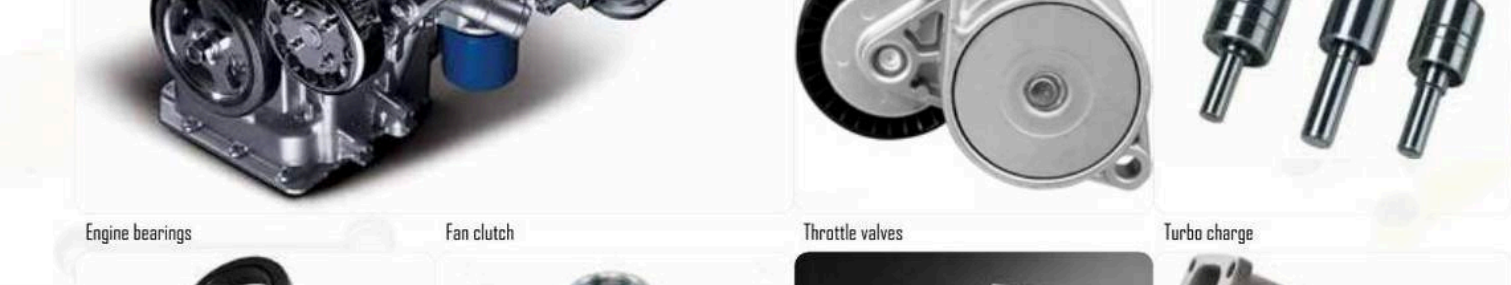
PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
Ball joints / Tie rod	MP 6181	P.A.O, Li-soap	1	-40 to 130°C	Good adhesion. Stick-slip prevention. Elastomers compatibility.
Electric motors	MP 6181	P.A.O, Li-soap	1	-40 to 130°C	High loading capacity. Water resistant. Wide service temperature.
Rack and pinion	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low temperature. Anti-ageing and oxidation. Wide application.
Steering column	MP 6072 F	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Noise reduction.
Steering pump	SM 6042 MF	P.A.O, Li soap	2	-40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Gear box seals	SYN 8012 P	P.A.O, PTFE	2	-60 to 140°C	Resistant to high pressure. Wide service temperature. Plastics and seals compatibility. Excellent noise and vibration reduction.
Column housing	DP 8283	P.I.B, Silica	3	-5 to 200°C	Excellent plastics compatibility. Wide service temperature.



Axles and C.V. Joints Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
C.V. JOINTS (CONSTANT VELOCITY)					
C.V. Joints	BJ 3621 MG	Mineral, Polyurea	1	−30 to 130°C	Anti-wear and pressure. Compatibility with rubber. Excellent resistant to water and moisture. Wide service temperature and lifetime lubricants.
	TJ 6042	Mineral, Li-soap	2	−30 to 180°C	
	MS 3042 M	Mineral, Polyurea	2	−30 to 150°C	
	CJ 3581 M	Mineral, Polyurea	1	−30 to 180°C	
	BJ 3622	Mineral, Polyurea	2	−30 to 150°C	
	BJ 6042 E	Mineral, Li-soap	2	−30 to 130°C	
AXLE COMPONENTS					
Universal joints	HB 3190 M	Mineral, Polyurea	0	−15 to 180°C	Wear protection in joints and couplings. Water and dust resistant. Excellent high-temperature grease.
Ball joint dust cover	DS 6032	Mineral, Li-soap	2	−30 to 120°C	Rubber and plastics compatibility. Excellent low temperature. Good sealing effects.
Water pump bearing / seals	BP 4032	P.A.O, Ba-complex	2	−40 to 150°C	Resistant to water and chemical media. Long-term lubrication.

C.V. joint grease selection depends on joint type (plunge or fixed), boot material and operating angle. Multiple grades listed — confirm the correct grade with PSC for the specific joint design.



Engine and Related Components Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
Throttle / Idle air actuator	PF 8022	P.F.P.E, P.T.F.E	2	–45 to 260°C	Inert to corrosive gases and fuel vapors. Broadest temperature capability. Excellent for EGR valves, electronic throttle control, idle air actuators.
Alternator bearings	TP 3022	ester, Polyurea	2	–40 to 180°C	Excellent corrosion protection. Long bearing life. For pulleys, generators, clutch release bearings, fan bearings.
Starter motor bearings	KL 6012	P.A.O, Li-soap	2	–40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation. Wide application multipurpose grease.
Coolant pump	BP 4032	P.A.O, Ba-complex	2	–40 to 150°C	Resistant to water and chemical media. Long-term lubrication.
EGR valve	PF 8022	P.F.P.E, P.T.F.E	2	–45 to 260°C	Unaffected by corrosive exhaust gases and liquids. Widest temperature capability of any synthetic lubricant.
Supercharger / Turbocharger gears	GH series	P.A.G, various	—	–45 to 160°C	Light viscosity ester oil with copper deactivator and EP agents. Suitable for gears and powdered metal parts.
Dual mass flywheel	DF 6092	P.A.G, Li-soap	2	–40 to 200°C	Vibration absorption and anti-corrosion. Reducing stick-slip.
Dual mass flywheel (alt.)	DF 6172	P.A.G, Li-soap	2	–40 to 180°C	Vibration absorption and anti-corrosion. Reducing stick-slip.

Engine component lubricants often require resistance to fuel vapors, exhaust gases and high temperatures. PFPE/PTFE grades (PF 8022) are the choice where conventional synthetics would degrade. Confirm OEM specification before substitution.



Clutches and Transmission Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
CLUTCH SYSTEM					
Clutch release bearing	TP 3022	ester, Polyurea	2	–40 to 180°C	Excellent corrosion protection. Long bearing life. For clutch release bearings.
Clutch fork / pivot	MP 6181	P.A.O, Li-soap	1	–40 to 130°C	Good adhesion. Stick-slip prevention. Elastomers compatibility.
Clutch cables	CA 6091 F	P.A.O, Li-soap	1	–40 to 150°C	Low-temperature resistant to moisture. Excellent sliding properties.
TRANSMISSION					
Transmission bearings	KL 6012	P.A.O, Li-soap	2	–40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation. Wide application multipurpose grease for automotive industry.
Gear selector / forks	MP 6151	P.A.O, Li soap	1	–40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Synchroniser rings	KL 6012	P.A.O, Li-soap	2	–40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Small motor applications.
Transmission seals	SYN 8012 P	P.A.O, PTFE	2	–60 to 140°C	Resistant to high pressure. Wide service temperature. Plastics and seals compatibility.



Gearshift lever

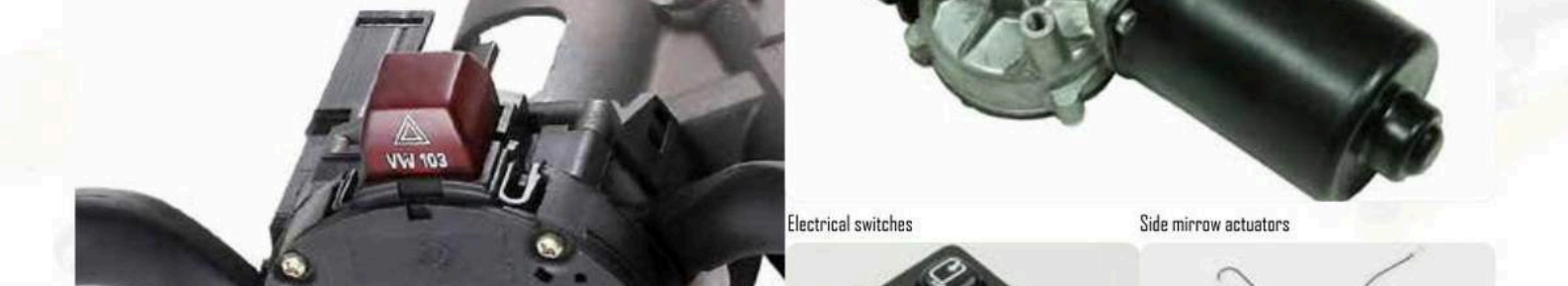
Gearshift Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
Seals	SYN 8012 P	P.A.O, PTFE	2	-60 to 140°C	Resistant to high pressure. Wide service temperature. Plastics and seals compatibility. Excellent noise and vibration reduction.
Plain bearings / bushes	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-oxidation and ageing. Wide application multipurpose grease. Small motor, plastic sliding contact surface.
Gear shift linkage	MP 6151	P.A.O, Li soap	1	-40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Gear shift lever	HP 8122	P.A.O, P.T.F.E	2	-50 to 250°C	Solid lubricant PTFE. Wide service temperature. Compatibility with plastic and seals. Resistant to chemical media.
Bowden cables	GL 6021	Silicone, Li-soap	1	-40 to 200°C	Rubber, seals and plastic compatibility. Wear and noise reduction.
PNDL damping	DP 6062	Mineral, Li-soap	2	-30 to 140°C	Compatibility toward plastics and rubber. Damping properties. Noise protection grease. High adhesive. Smooth sliding between notches while imparting quality feel.
Cable mechanisms	CA 6091 F	P.A.O, Li-soap	1	-40 to 150°C	Low-temperature resistant to moisture. Excellent sliding properties.



Door Locks and Hinges Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
Bowden cables	LM 8021	Silicone, Li-soap	2	-50 to 180°C	Rubber, plastics and seals compatibility. Friction reduction. Noise removal.
Bowden cables (alt.)	BL 6011	P.A.O, Li-soap	1	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation. Plastics compatibility.
Central locking system	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation. Plastics compatibility.
Central locking (alt.)	SM 6531	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Hinges	DH 6022	P.A.O, Li soap	2	-40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Door latches	KL 6012	P.A.O, Li soap	2	-40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Locks	SM 6531	P.A.O, Li-soap	1	-60 to 130°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Water resistant.
Locks (alt.)	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Water resistant.
Door checker	MP 6072 F	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Noise reduction.
Door checker (alt.)	MP 6151	P.A.O, Li-soap	1	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Noise reduction.



Electrical switches

Side mirror actuators

Interior and Electrical Parts

Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
Dashboard / HVAC controls	SYN 6142 P	P.A.O, Li-soap	2	−40 to 150°C	Rubber, plastics and seals compatibility. Friction and noise reduction.
Dashboard (alt.)	MP 6151	P.A.O, Li soap	1	−40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Electrical motors	DY 3012 MF	P.A.O, Li-soap	2	−60 to 130°C	Excellent low-temperature. Anti-ageing and oxidation. Plastics compatibility.
Electrical motors (alt.)	KL 6012	P.A.O, Li-soap	2	−40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation. Plastics compatibility.
Mirrors / actuators	SM 6042 MF	P.A.O, Li soap	2	−40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Mirror motors (alt.)	SM 3011 MF	P.A.O, Polyurea	1	−50 to 130°C	Excellent low-temperature. Anti-ageing and oxidation. Plastics compatibility.
Outside mirror motors	EL 3011	P.A.O, Polyurea	1	−40 to 160°C	Smooth operation at low temperature and low starting torque. Resistant to water and car-washing agent.
Small gears	KL 6012	P.A.O, Li-soap	2	−50 to 130°C	Excellent low-temperature. Anti-ageing and oxidation. Plastics compatibility.
Electrical switches / MF switch	MF 6562	P.A.O, Li-soap	2	−40 to 150°C	Electric contacts. Anti-corrosive and ageing protection. Low contact resistance.
Wiper linkages	MS 6012	P.A.O, Li-soap	2	−40 to 150°C	Excellent water and wear resistant. Wide service temperature.
Pedal damping	GH 7192	P.A.O, Silica	2	−15 to 200°C	Noise reduction and good damping effects. No-odour grease.



Window Lifters and Sun Roofs Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
Bowden cables	LM 6081	Silicone, Li-soap	1	-50 to 160°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Electrical motors	DY 6012 M	Mineral, Li-soap	2	-40 to 150°C	Excellent low-temperature and low starting torque. Anti-ageing and oxidation resistant.
Window lifter motors	DY 3012 MF	P.A.O, Li-soap	1	-40 to 150°C	Smooth operation at low temperature and low starting torque.
Sliding surfaces	MS 6012	P.A.O, Li soap	2	-40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Window regulators	WR 6072 F	P.A.O, Li soap	2	-40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Power windows regulator	DA 3022 MF	P.A.O, Polyurea	2	-40 to 150°C	Low-temperature and resistant to moisture. Excellent sliding properties.
Small gears	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Toothed segments	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Outside mirror actuator	KL 6542 F	P.A.O, Li-soap	2	-40 to 130°C	Smooth operation at low temperature and low starting torque. Resistant to water and car-washing agent.

Sun roof and power window lubricants must be transparent or colourless (no staining), odourless, and have very low oil separation. They must withstand -40°C and provide vibration and noise reduction. Confirm these properties with the specific TDS from PSC.



Seats and Seat Belts Lubrication Points & Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
Adjusting units	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation. Plastics compatibility.
Adjusting units (alt.)	SYN 6462 P	P.A.O, Li-soap	2	-40 to 150°C	Rubber, plastics and seals compatibility. Friction and noise reduction.
Electric motors	KL 6012 M	P.A.O, Li soap	2	-40 to 150°C	Plastics compatibility. Noise reduction. Vibration absorption.
Worm gear motors	UJ 6032	Mineral, Li-soap	2	-40 to 120°C	Worm gear self-locking effects. Excellent low-temperature and anti-corrosion.
Retractors	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Seat rails	MS 6012 D	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Seat rails (alt.)	ST 6441 F	P.A.O, Li-soap	1	-40 to 150°C	Rubber, plastics and seals compatibility. Friction and noise reduction.
Small gears	KL 6012	P.A.O, Li-soap	2	-60 to 130°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Toothed segments	KL 6012	P.A.O, Li-soap	2	-40 to 150°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Air bag mechanism	AB 3012	P.A.O, Li-soap	2	-30 to 180°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Safety belt / parking brake cables	HP 8702	Silicone, P.T.F.E	2	-45 to 180°C	Low-temperature and resistant to moisture. Good sliding properties. Compatibility with seals and plastics.

Other Parts and Lubricant Recommendations

PARTS	PRODUCT	BASE OIL / THICKENER	NLGI	SERVICE TEMP.	KEY FEATURES
Air bag mechanism	AB 3012	P.A.O, Li-soap	2	-30 to 180°C	Excellent low-temperature. Anti-ageing and oxidation resistant. Plastics compatibility.
Water pump bearing / seals	BP 4032	P.A.O, Ba-complex	2	-40 to 150°C	Resistant to water and chemical media. Long-term lubrication.
Bowden cables (general)	CA 6091 F	P.A.O, Li-soap	1	-40 to 150°C	Low-temperature and resistant to moisture. Excellent sliding properties.
Power windows regulator	DA 3022 MF	P.A.O, Polyurea	2	-40 to 150°C	Low-temperature and resistant to moisture. Excellent sliding properties.
Dual mass flywheels	DF 6092	P.A.G, Li-soap	2	-40 to 200°C	Vibration absorption and anti-corrosion. Reducing stick-slip.
Multifunction switch damping	DP 6062	Mineral, Li-soap	2	-30 to 140°C	Compatibility toward plastics and rubber. Damping properties. High adhesive. Noise protection.
Steering column housing	DP 8283	P.I.B, Silica	3	-5 to 200°C	Excellent plastics compatibility. Wide service temperature.
Ball joint dust cover	DS 6032	Mineral, Li-soap	2	-30 to 120°C	Rubber and plastics compatibility. Excellent low temperature. Good sealing effects.
Window lifter motors	DY 3012 MF	P.A.O, Li-soap	1	-40 to 150°C	Smooth operation at low temperature and low starting torque.
Outside mirror motors	EL 3011	P.A.O, Polyurea	1	-40 to 160°C	Smooth operation at low temperature and low starting torque. Resistant to water and car-washing agent.
Outside mirror actuator	KL 6542 F	P.A.O, Li-soap	2	-40 to 130°C	Smooth operation at low temperature. Resistant to water and car-washing agent.
Pedal damping grease	GH 7192	P.A.O, Silica	2	-15 to 200°C	Noise reduction and good damping effects. No-odour grease.
Universal joints	HB 3190 M	Mineral, Polyurea	0	-15 to 180°C	Wear protection in joints and couplings. Water and dust resistant. Excellent high-temperature grease.
Parking brake cables	HP 8702	Silicone, P.T.F.E	2	-45 to 180°C	Low-temperature and resistant to moisture. Good sliding properties. Compatibility with seals and plastics.

ENGINEERING CONTEXT

Challenges and Solutions in the Lubrication of Automotive Parts

In modern automotive component lubrication, the appropriate lubricant must satisfy functionality, aesthetics, and health and environmental safety simultaneously. Warranty lifetimes must exceed manufacturer specifications. Lubchem has been continuously researching and developing lubricants to maximise component reliability.

INTERIOR

Seat track

Rail is partly exposed — transparent grease required. Must not stain seat or carpet. No odour. Damping grease for rattle / vibration suppression.

Sun visor

Grease must not leak from contacting surface. No odour. High-viscosity adhesive synthetic grease for smooth lifetime operation.

Pedal position adjustment

Safety and ergonomics system. Non-dripping, odourless synthetic greases for bearings, gears and sliding surfaces.

PNDL / Dashboard controls

Damping of noise and mechanism feel. Synthetic lubricant enabling smooth sliding between notches. Good noise and vibration reduction. Low-temperature stability, plastics compatibility.

Sun roofs

Transparent synthetic grease with very low oil separation. Withstands -40°C. Vibration and noise reduction.

Power folding mirrors

Small motors and gears to -40°C exposed to rain, salt and car washes. Light-viscosity synthetic hydrocarbon damping grease — cold resistance, vibration and noise reduction, weather resistance.

ENGINE

Supercharger / Turbocharger

Lube-for-life application. Light-viscosity ester oil with copper deactivator and EP agents for gears and powdered metal parts.

EGR valves

Exposed to extremely high temperatures and acidic exhaust fumes. PFPEs thickened with PTFE perform well — broadest temperature range of any synthetic, unaffected by corrosive gases and liquids.

Electronic throttle control

High temperatures and caustic fuel-system vapors. Fluorinated lubricants — inherently inert — tolerate this environment.

Idle air actuator

Extremely small stepper motor with very low torque. Low-viscosity synthetic bearing lubricant for cold-temperature performance. Extremely light fluorinated grease thickened with PTFE — minimal drag on the system.

ELECTRIC CONTROLLERS / CONNECTORS**Connector contact surface**

Prevents wear, environmental corrosion and fretting corrosion (micro-motion from vibration and thermal cycling). Synthetic lubricants extend contact life and keep resistance low.

Gold-plated contacts (air bag)

Gold is soft — mating can cause sticking, galling and scratching. The right synthetic lubricant prevents galling and deforming.

Multi-pin connectors

Significant mating force in difficult locations — risk of incomplete mating and repetitive-motion injury. Fluoroether-based synthetics reduce high insertion forces without unacceptable increase in resistance.

Sensors / potentiometers

Low-viscosity fluorinated or silicone oil ensures continuous contact. More viscous oils cause the contact to hydroplane. Pour points approaching -90°C required for cold protection.

SWITCHES**High-current switches (starter, lamps)**

High-temperature arcing oxidises copper. No lubricant survives arcing temperatures, but glycol oils burn clean without leaving a resistive varnish.

Medium-duty switches (1–10 A)

Exhaust fan, defroster, wiper, window, seat and door lock switches. Lithium-soap-thickened ester grease with copper corrosion inhibitor recommended.

Damping grease (mechanical switches)

Mechanical damping greases improve the perceived quality of hand-operated switch components. Viscosity varied to give a wide variety of acoustic and tactile characteristics.

Power sliding door

Motor and cable system requires medium-viscosity synthetic grease. Door rollers on ball bearings must withstand water, salt and grime. Synthetic hydrocarbon grease with clay thickener — water resistance and low oil separation.

LUBCHEM KOREA STRENGTHS

Special lubricant production capability across all automotive and industrial segments · Constant R&D investment in new product development · Extensive OEM qualification experience — KIA, Hyundai, Chevrolet, Samsung Electronics, POSCO, LG Electronics and others · Close cooperation with OEM distributors and Tier-1 suppliers · Multilingual technical documentation

Start with the vehicle system. Not the product code.

Vehicle / OEM / Model	Component / Lubrication Point
Temperature / Operating Conditions	Seal / Elastomer / Plastic Types
Existing Lubricant Brand + Grade	Lubrication Method / Interval

Product codes are LUBCHEM Korea designations from automotive component application documentation. Verify current grade availability, TDS and OEM approval before quoting or changing any lubricant. Contact PSC for application review before substitution.