
LubTio Special Lubricant **E-Catalogue**

Lubricants for DSLR & Digital Camera

Auto Focus

Dial Switch

Shutter

Zoom In & Out

ON / OFF Switch

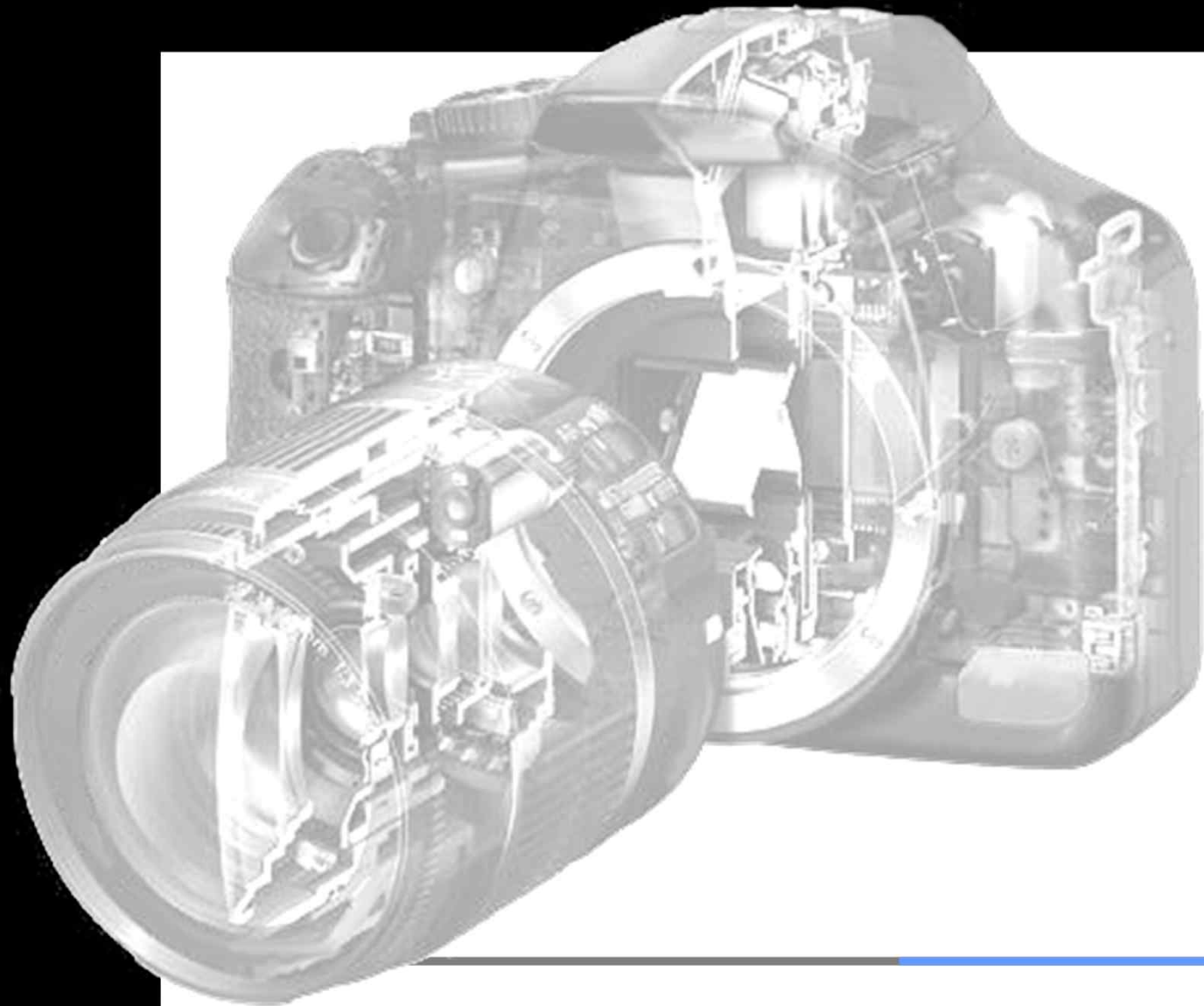
Rotary Switch

Flash Button

Battery Case

Memory Card

Hinge



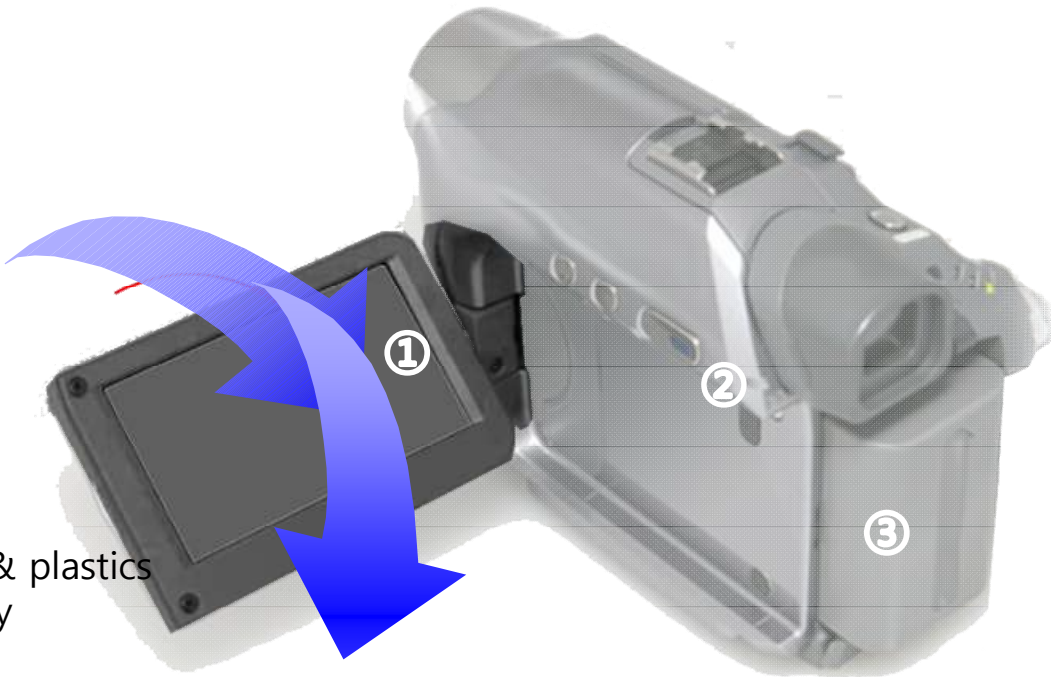
Digital Camera



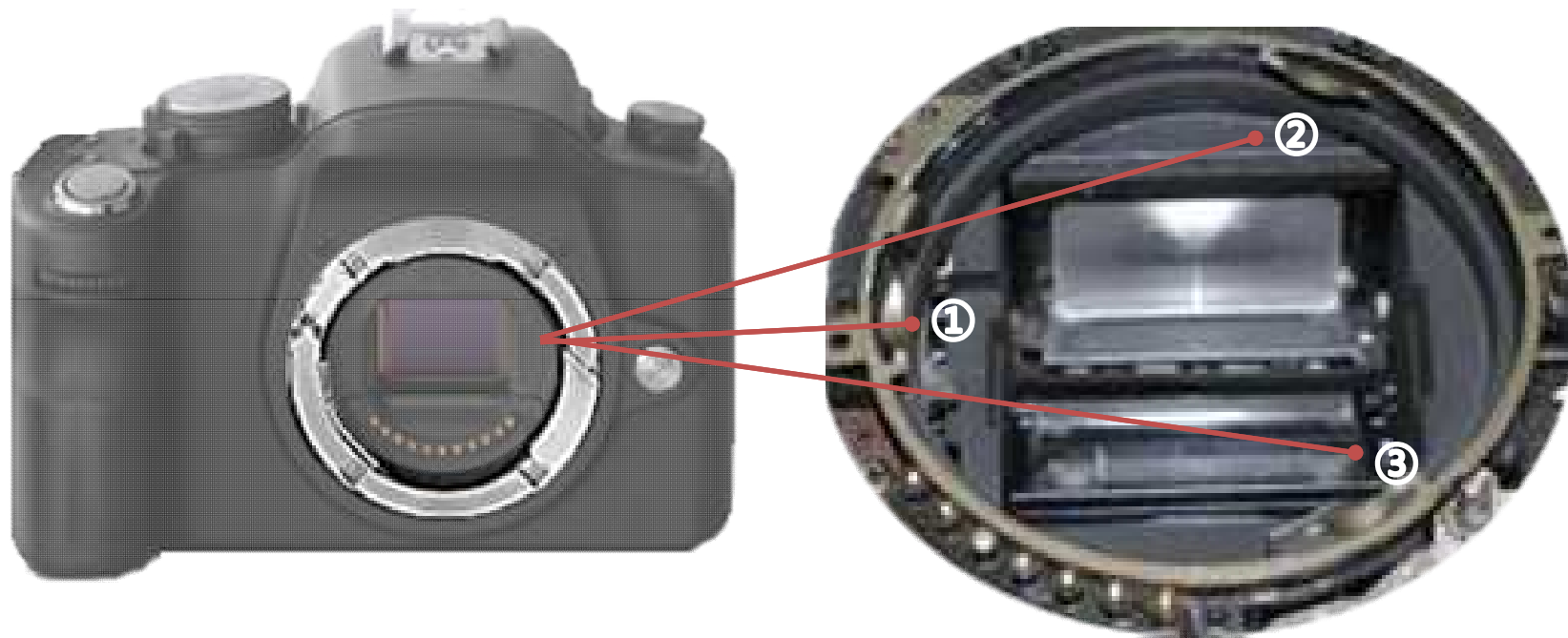
	Components	Typical Performance Needs	Product Code
1	Dial switch and shutter	Invisible, dry lubricant	<i>LubTio</i> PF-511
2	Auto focus	Invisible, dry lubricant	<i>LubTio</i> PF-411

Plastic Compatible Grease

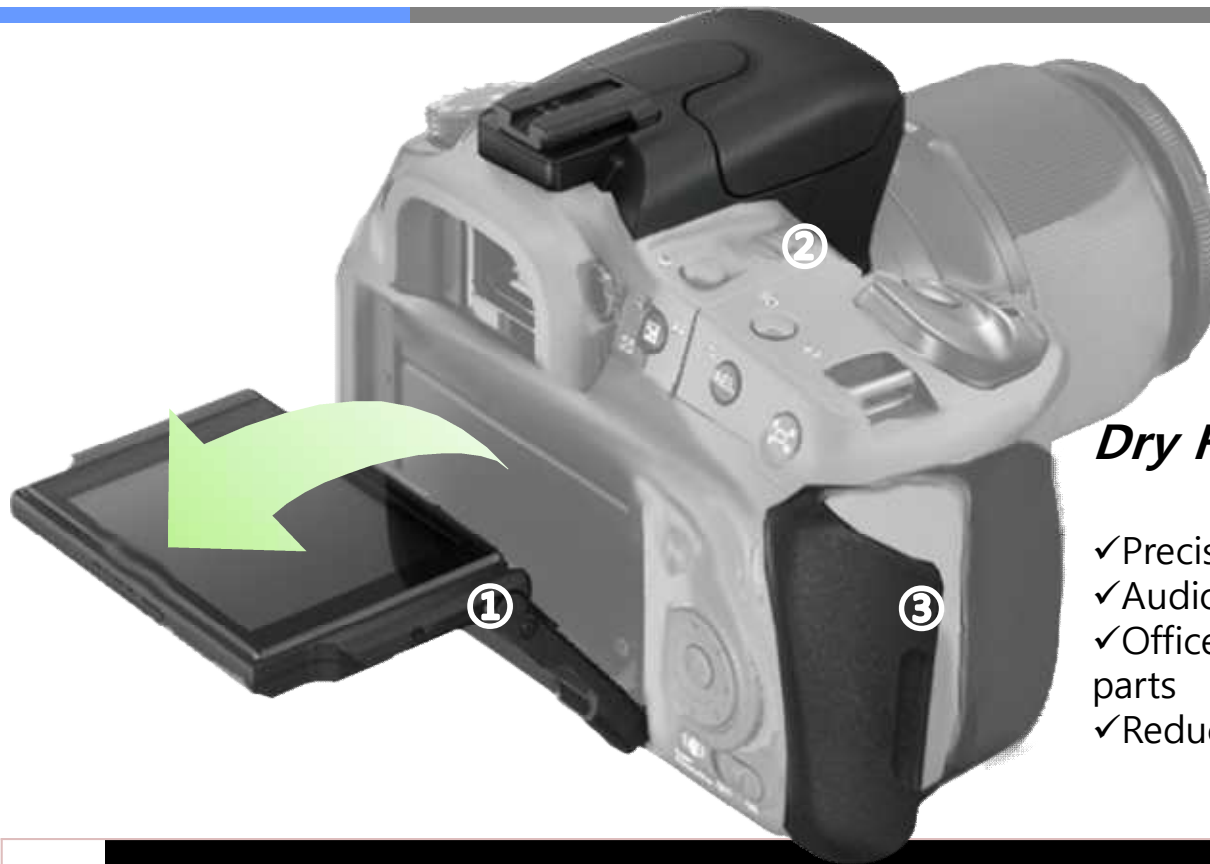
- ✓ Low vapor pressure
- ✓ Good Chemical Resistance
- ✓ High temperature stability
- ✓ Excellent oxidation stability
- ✓ Good compatibility with rubbers & plastics
- ✓ Low temperature service capability



	Components	Typical Performance Needs	Product Code
1	Hinge	Plastic compatibility, torque stability	LubTio PFG-300
2	Auto Focus	Invisible, dry lubricant	LubTio PF-411
3	Actuator	Invisible, dry lubricant	LubTio PF-511



	Components	Typical Performance Needs	Product Code
1	Plate Spring / Hinge	Plastic compatibility, torque stability	LubTio PFG-300
2		Invisible, No strain	LubTio PFG-220



Dry Film Lubricant

- ✓ Precision equipment
- ✓ Audio equipment
- ✓ Office equipment that have plastic parts
- ✓ Reducing noise in moving parts

	Components	Typical Performance Needs	Product Code
1	Hinge	Plastic compatibility,	<i>LubTio</i> PFG-462
2	Spring for Auto-Flash	Invisible, dry lubricant	<i>LubTio</i> PF-511
3	Battery Case	Invisible, dry lubricant	<i>LubTio</i> PF-431

DSLR - Shuttle & Zoom



	Components	Typical Performance Needs	Product Code
1	Hinge	Plastic compatibility,	<i>LubTio</i> PFG-462
2	Spring for Auto-Flash	Invisible, dry lubricant	<i>LubTio</i> PF-511
3	Battery Case	Invisible, dry lubricant	<i>LubTio</i> PF-431

Digital Camera & DSLR

	Product Code	Description	Temp °C	Plastics
Interior / Exterior	Multi Plastic Lube MPG-100	a soft high temperature plastic compatible, synthetic [Silicone Free] lubricant of all kind of mechanical plastics. MSG-350 contains white solid additives and the proved corrosion characteristics and wear protection of a synthetic grease.	-40 to +150	ACM, CSM, CR, EPDM, FKM, FPM, NBR, NR, SBR, MFO
	Multi Plastic Lube MPG-300	a dynamically very light, silicone-free, synthetic multipurpose grease for the lubrication of roller and plain bearings at low and/or high temperatures.	-40 to +150	
	Dynamically Silicone-Free PLG-160F	a dynamically very light, silicone-free, synthetic multipurpose grease. Thanks to the PTFE additives it is well suitable for long life lubrication of construction elements which consist of the material pairings metal/plastic or plastic/plastic.	-50 to +140	
	Synthetic Gel Lube PSG-204F PSG-204L	a dynamically very light, synthetic hydrocarbon for mechanical components(damping). Having good water resistance, enhanced lubricity and noise damping. / None Melting Grease	-50 to +120	
	Silicone Lube SLC-401	a soft high temperature plastic compatible, synthetic Silicone lubricant of all kind of mechanical plastics. This contains white solid additives and the proved corrosion characteristics and wear protection of a synthetic grease.	-50 ~ +190	
	LubTio PF-300	can be used in a myriad of applications because of the excellent chemical resistance, wide temperature range, low volatility, high oxidative and thermal stability, non-toxicity, excellent radiation resistance, and low pour point.	-45 ~ 200	
	LubTio PF-500	wide temperature range, low volatility, high oxidative and thermal stability, non-toxicity, excellent radiation resistance	-45 ~ 200	

Lubricants for Automobile Applications

Window regulators

Door lock Systems

Exterior Side View Mirror

Wipes

Sun Roof

Seat Systems

Head and arm rest

Combination switches

Door Trim

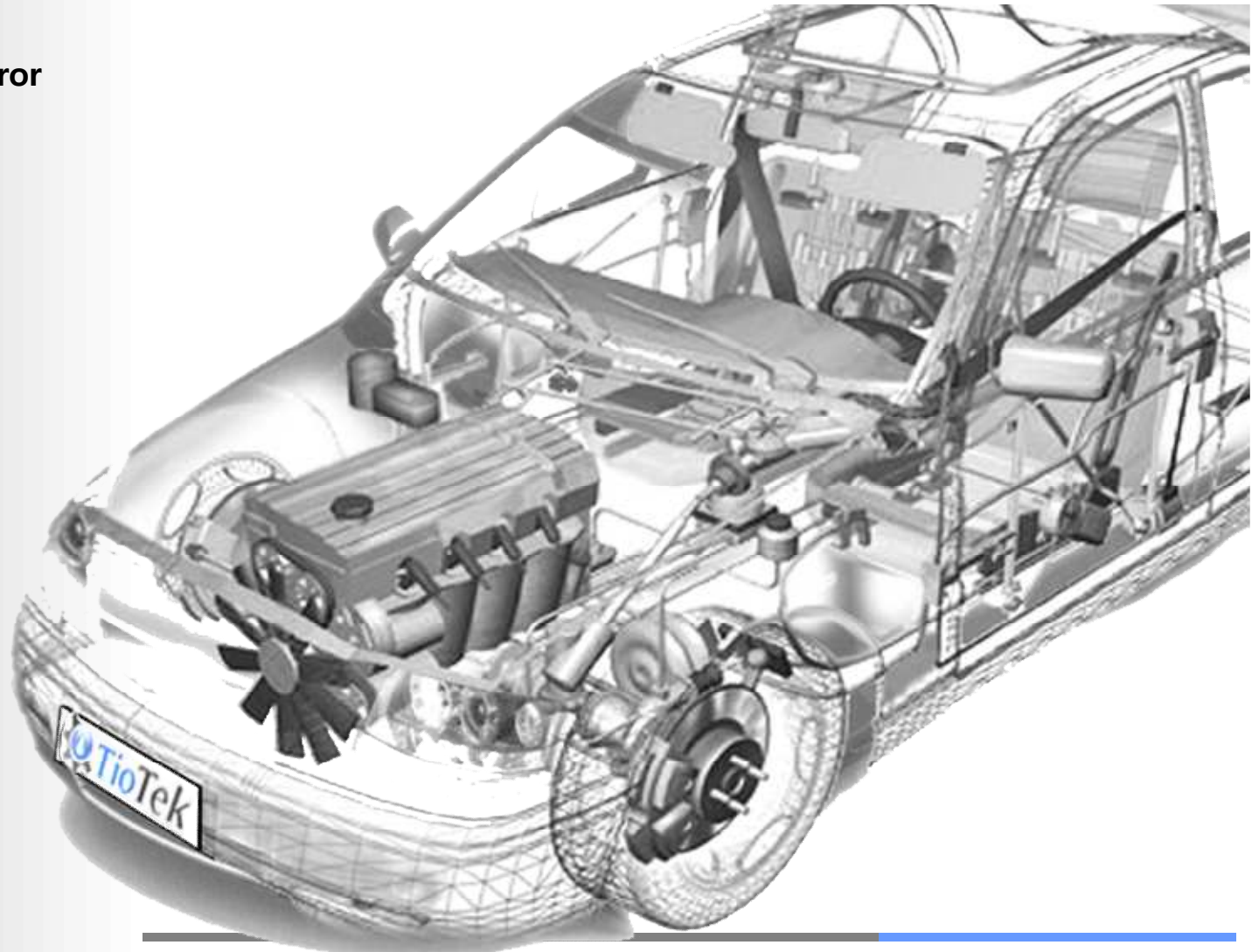
Dashboard

Consol Box

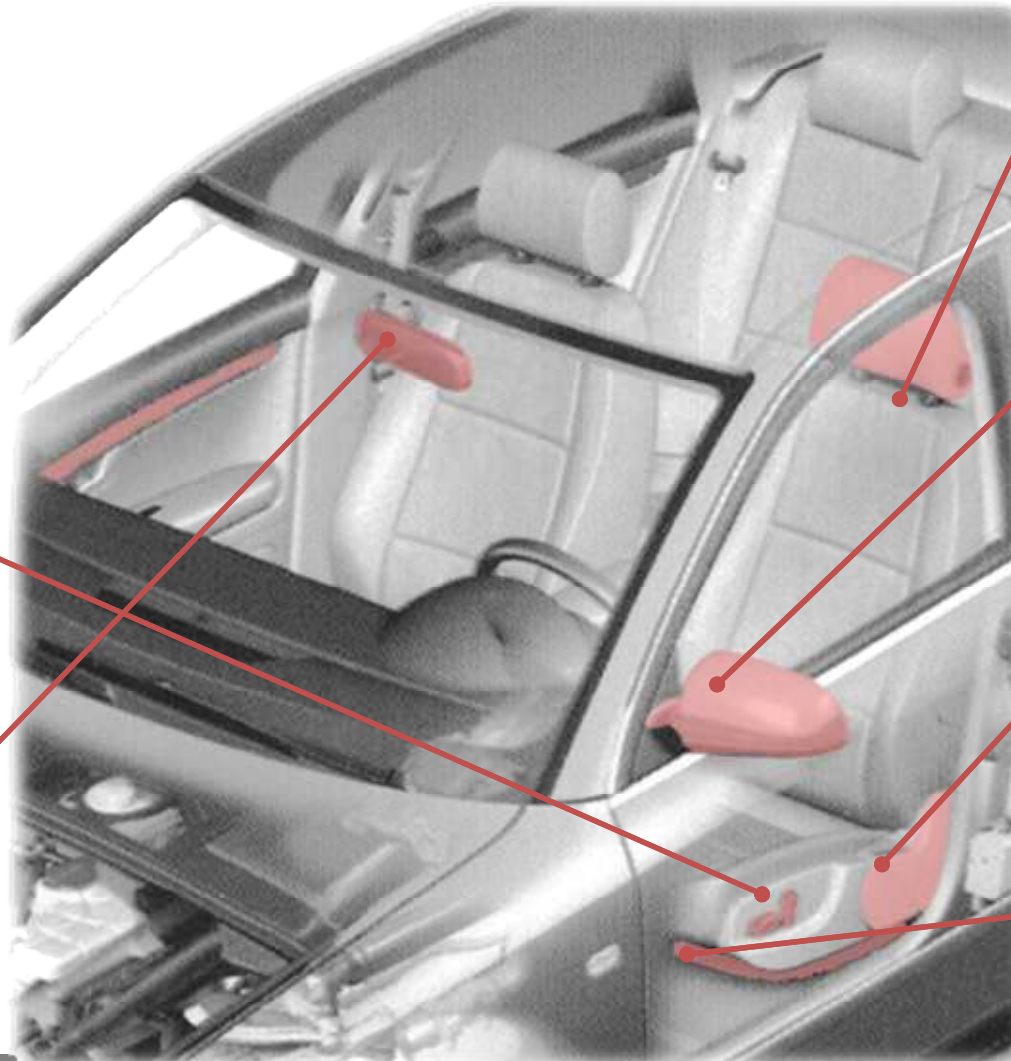
Seat Belt System

Interior switches

Multimedia



Automobile



Head Rests

LubTio PF-512

Mirror Adjustment

LubTio PSG-204F

LubTio PSG-204L

Seat Recliner

LubTio PLG-160F

Seat Track

LubTio PSG-204L

Seat Adjustment

LubTio PLG-160F

Back Mirror

LubTio MPG-100

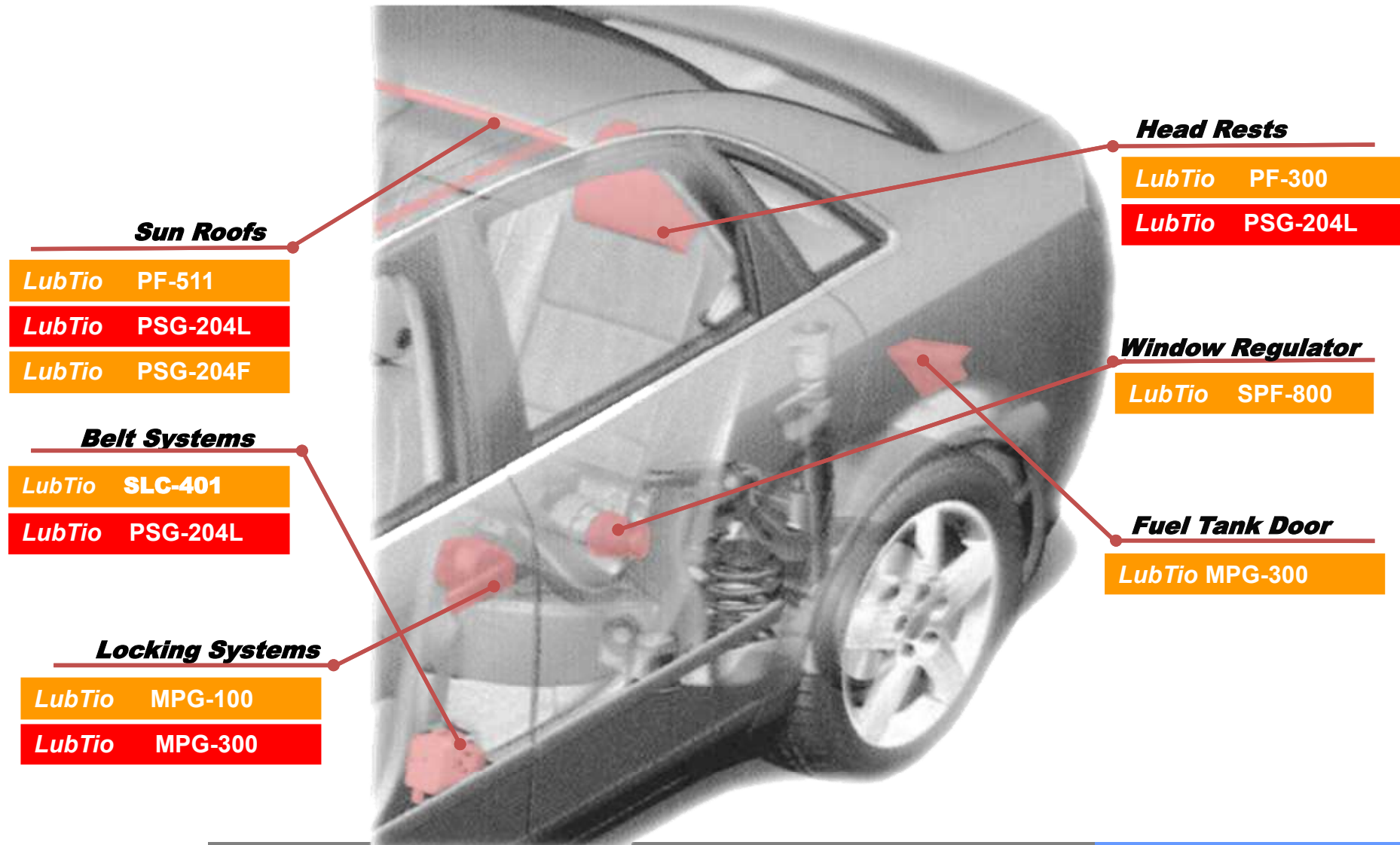
LubTio MPG-300

LubTio PF-300

Automobile

	Product Code	Description	Application	Temp °C	Plastics
Interior / Exterior	Multi Plastic Lube MPG-100	a soft high temperature plastic compatible, synthetic [Silicone Free] lubricant of all kind of mechanical plastics. MSG-350 contains white solid additives and the proved corrosion characteristics and wear protection of a synthetic grease.	Seat Runner Locking systems Window regulator	-40 to +150	ACM, CSM, CR, EPDM, FKM, FPM, NBR, NR, SBR, MFG
	Multi Plastic Lube MPG-300	a dynamically very light, silicone-free, synthetic multipurpose grease for the lubrication of roller and plain bearings at low and/or high temperatures.	Door & Truck & Bonnet Locks Door Actuators Sliding Guide	-40 to +150	
	Dynamically Silicone-Free PLG-160F	a dynamically very light, silicone-free, synthetic multipurpose grease. Thanks to the PTFE additives it is well suitable for long life lubrication of construction elements which consist of the material pairings metal/plastic or plastic/plastic.	sun roofs Window regulator	-50 to +140	
	Synthetic Gel Lube PSG-204F	a dynamically very light, synthetic hydrocarbon for mechanical components(damping). Having good water resistance, enhanced lubricity and noise damping. / None Melting Grease	Actuators [Power Folding Mirror, Side Exterior Mirror]	-50 to +120	
	Synthetic Gel Lube PSG-204L				
	Silicone Lube SLC-401	a soft high temperature plastic compatible, synthetic Silicone lubricant of all kind of mechanical plastics. This contains white solid additives and the proved corrosion characteristics and wear protection of a synthetic grease.	Dashboard Volume Controls / Audio tone Controls	-50 ~ +190	
	LubTio PF-300	can be used in a myriad of applications because of the excellent chemical resistance, wide temperature range, low volatility, high oxidative and thermal stability, non-toxicity, excellent radiation resistance, and low pour point.	Head Rests Cup Holder Gear shift Arm Rests	-45 ~ 200	
	LubTio PF-500	wide temperature range, low volatility, high oxidative and thermal stability, non-toxicity, excellent radiation resistance	Navigation Sliding Dashboard Needle Gauges / Audio Systems	-45 ~ 200	

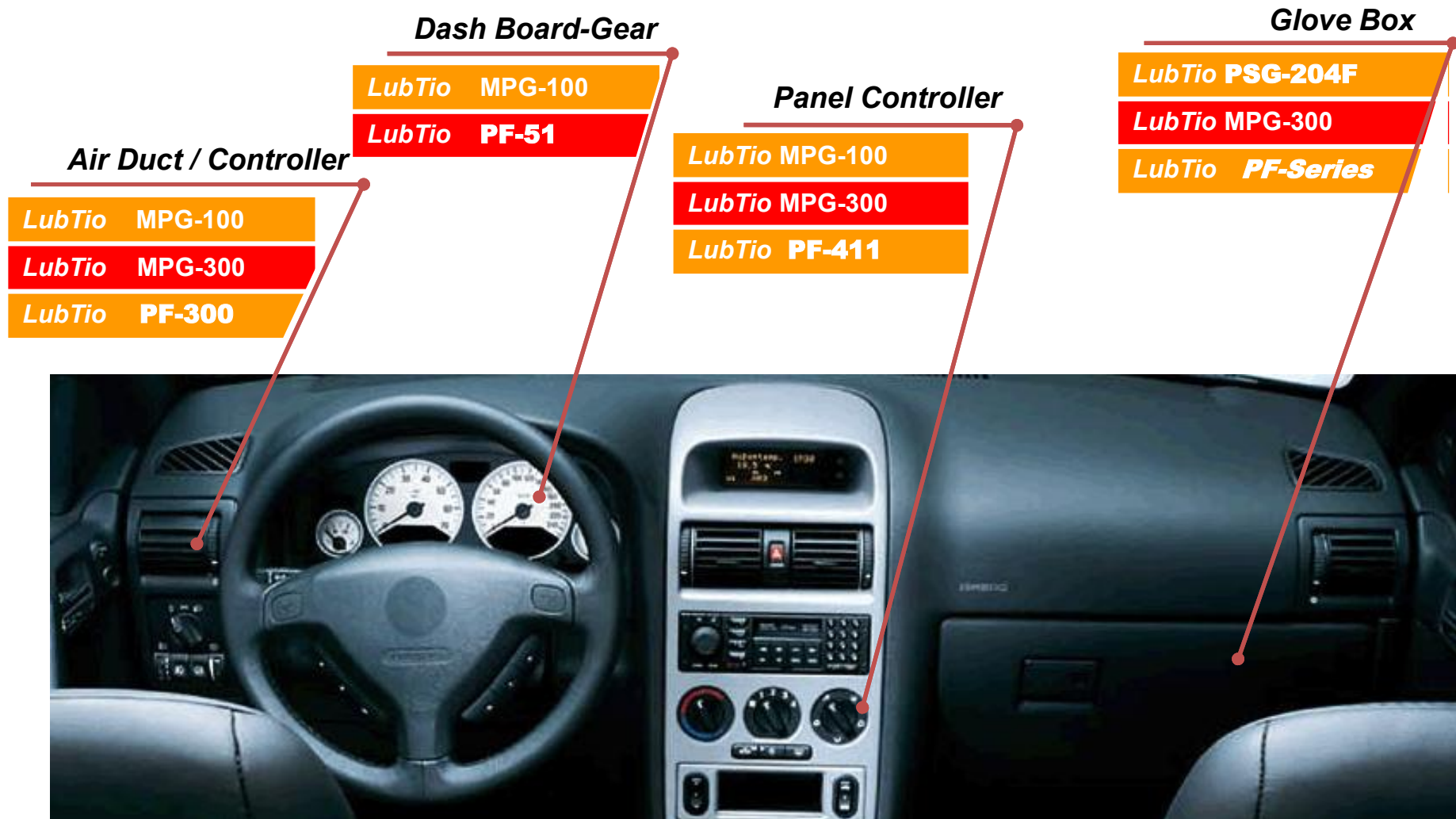
Automobile



Automobile

	Product Code	Description	Application	Temp °C	Plastic
Interior / Exterior	LubTio PFG-300	<ul style="list-style-type: none">• Low vapor pressure / Good Chemical Resistance• High temperature stability• Excellent oxidation stability• Good compatibility with most of rubbers and plastics• Low temperature service capability	Audio Systems Navigation System Airbag Spiral Cable Window Lift Mechanisms Window Regulators Instrument Cluster Console-mounted PRNR Arm Rests, Grip Handles Head Rests Cup Holder Gear shift	-40 to +200	ACM, CSM, CR, EPDM, FKM, FPM, NBR, NR, SBR, MFC
	silicone Lube SPF-800	A PTFE thickened, heavy viscosity, dimethyl silicone grease intended for brake calipers, parking brake cables, and ball joints. Benefits include excellent water resistance and mechanical stability over a wide temperature range.		-40 to +200	
	LubTio PF-511	Non-flammable fluorinated solvent -Pefluorinated oil / -Fluorinated resin ex) audio-visual / precision & optical appliances / rubber parts / squeaking in parts & assemblies		-65 to +150	
	LubTio PF-512				
	LubTio PF-431	100% Clear Transparent No Strain after drying Film on the surface Non-Flammable Fluorinated Solvent Excellent Chemical Resistance / Cost Effective Automobiles, electrical appliances, precision equipment, audio equipment, and office equipment that have plastic parts. / Used as reducing noise in moving parts such as gears.		-65 to +150	
	LubTio PF-524				

Automobile DashBoard



Automobile Multimedia

Audio Volume

LubTio MPG-100

LubTio MPG-300

LubTio PF-300

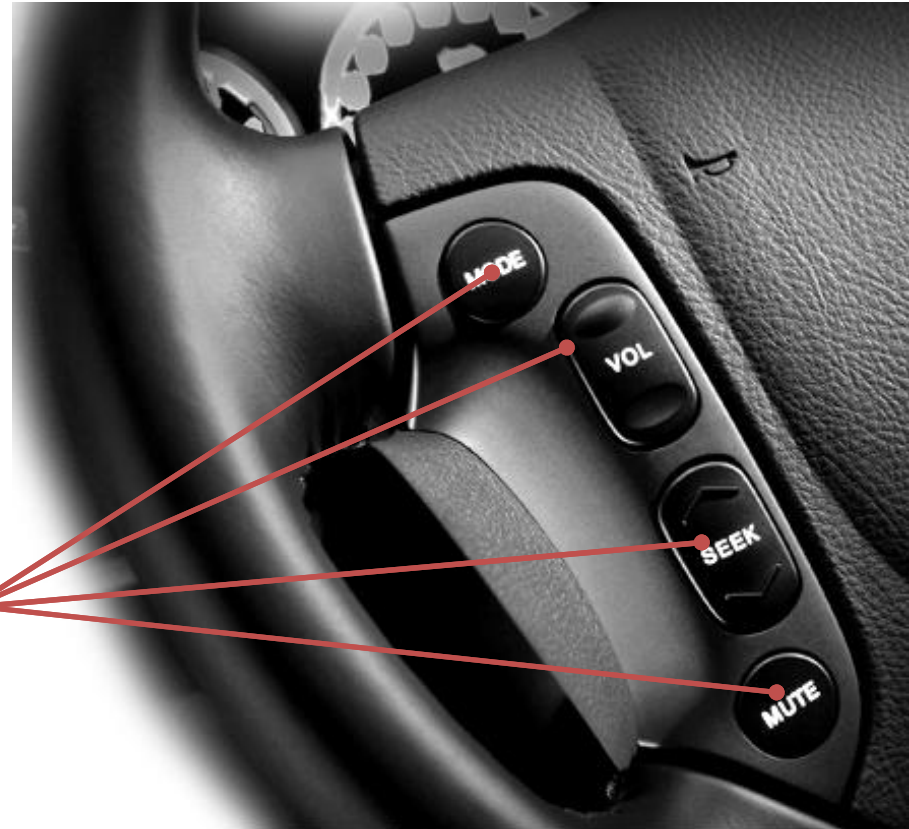
LubTio PF-511



**AUTO
AUDIO**

Synthetic Greases, Dry Film Lubricants and fluorinated greases are suitable for lubricating mechanical components, Having Plastic compatibility and safe electrical contacts.

Automobile Button Controller



Wheel Button

LubTio MPG-100

LubTio MPG-300

LubTio **PF-400 Series**

AUTO
Button

A liquid-type specialty lubricant containing solid lubricants and perfluorinated oil uniformly dispersed in non-flammable fluorinated solvent.

Dry lubricants and Dry transparent coatings are used for assembly aid and lubrication.

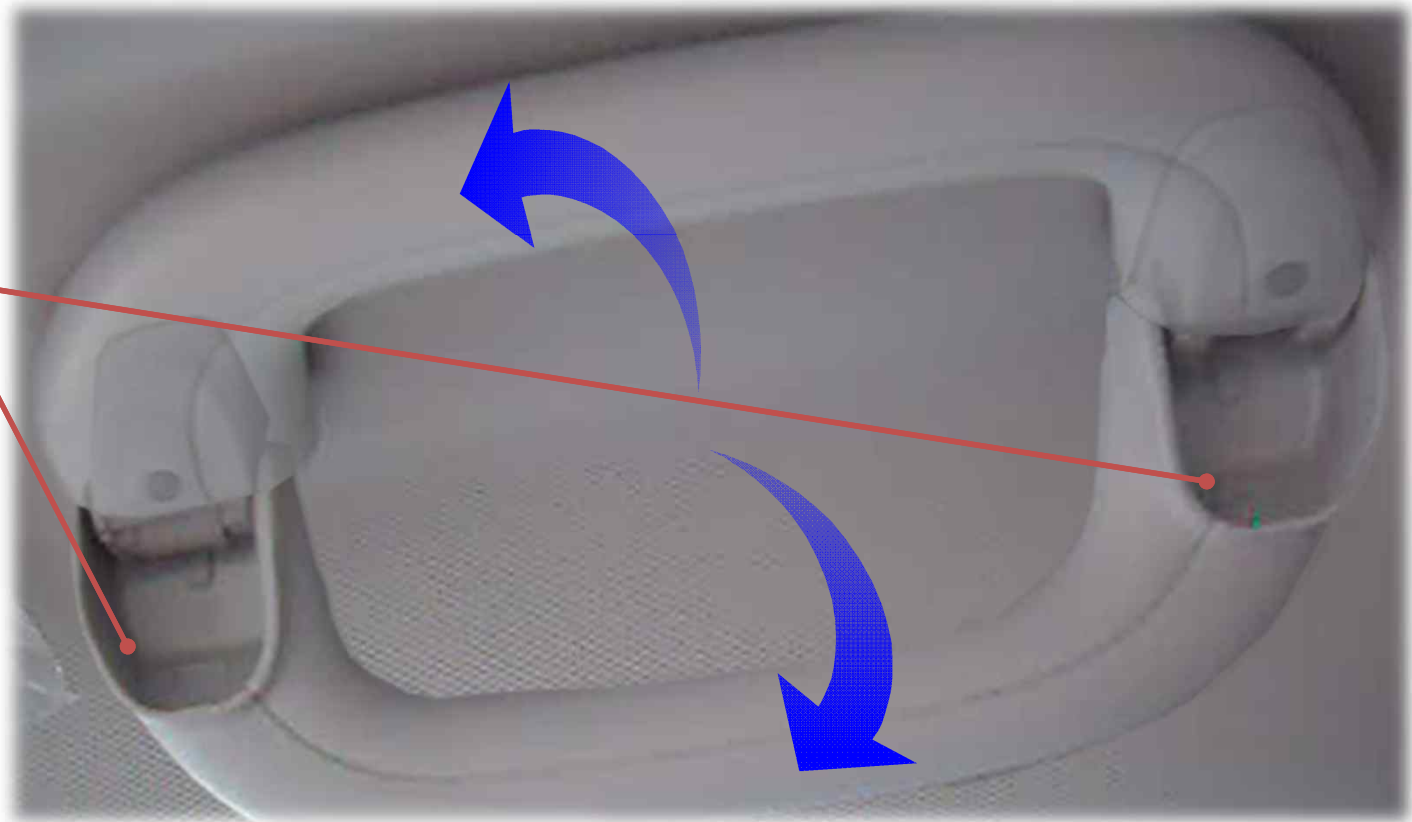
Grip Handle

Knob

LubTio PLG-160

LubTio PLG-160F

LubTio PF-300

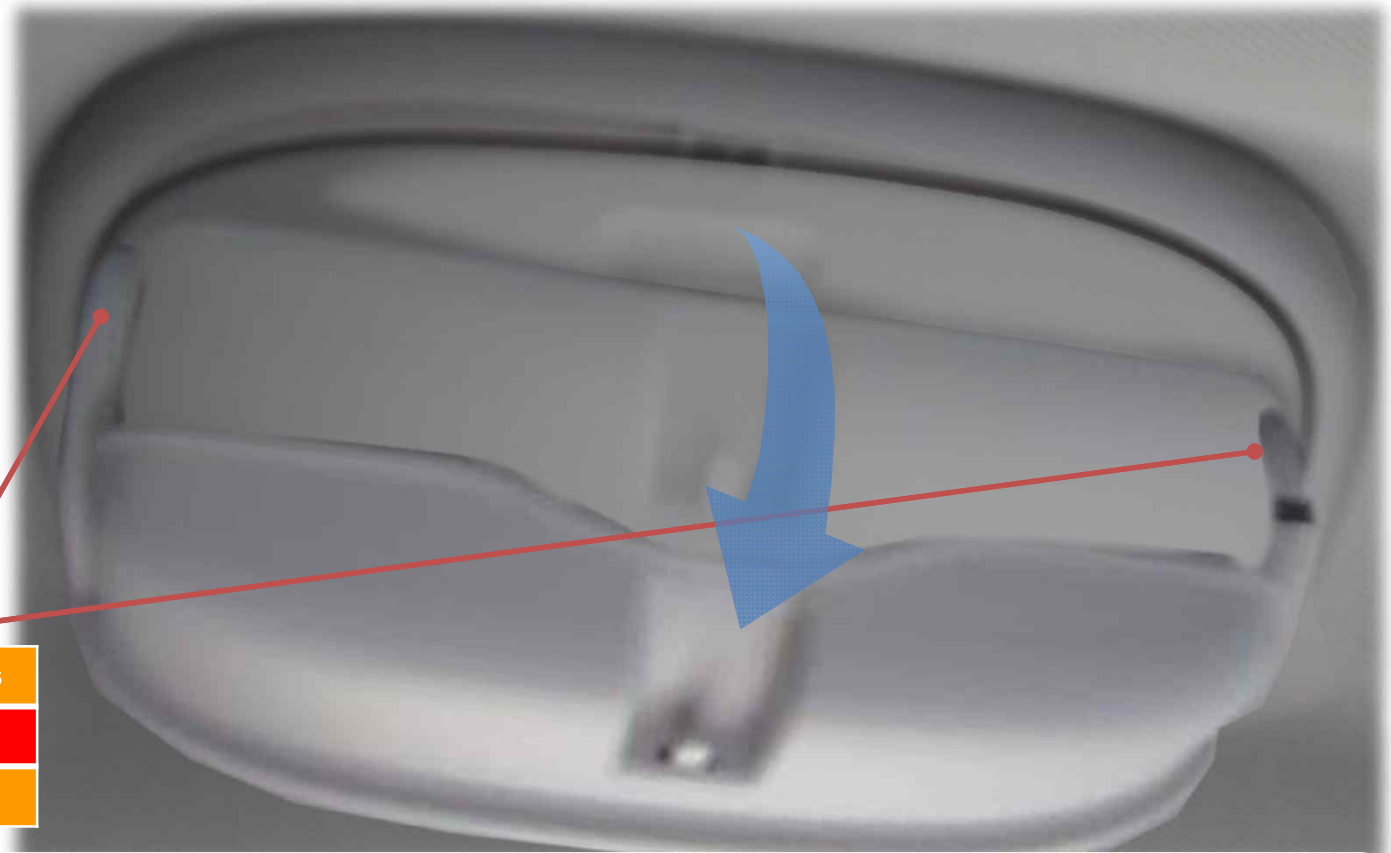


AUTO
Knob

PLG-160 Series :

A lithium soap thickener, viscosity, synthetic hydrocarbon grease intended for bearings, sliding surfaces, gear trains, and switchgear. Excellent for wide temperature performance.

Consol Box



Consol Box

LubTio PF-300 Series

LubTio PF-400 Series

LubTio PF-500 Series



Dry Film Coating & Lubricant :

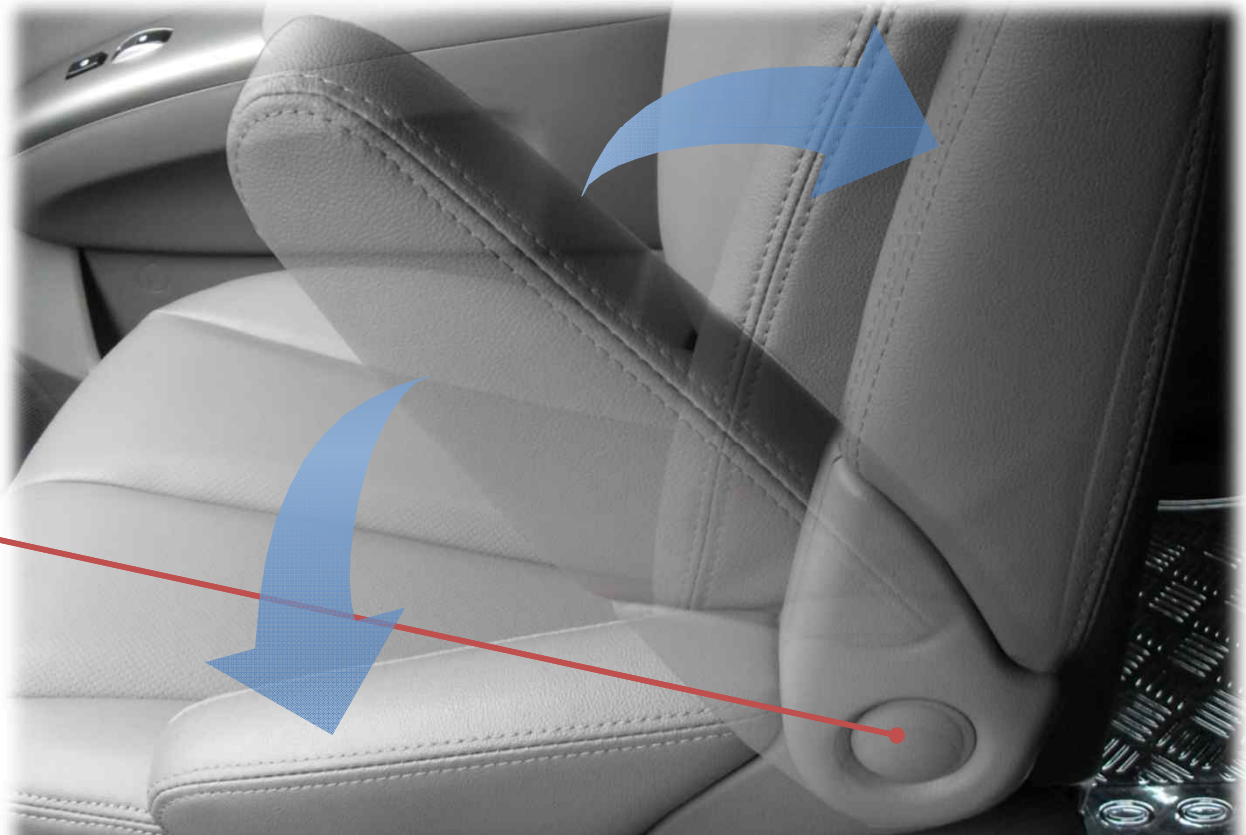
- Non-flammable fluorinated solvent
- Pefluorinated oil
- Fluorinated resin

Arm Rests

Arm Rests

LubTio PF-500 Series

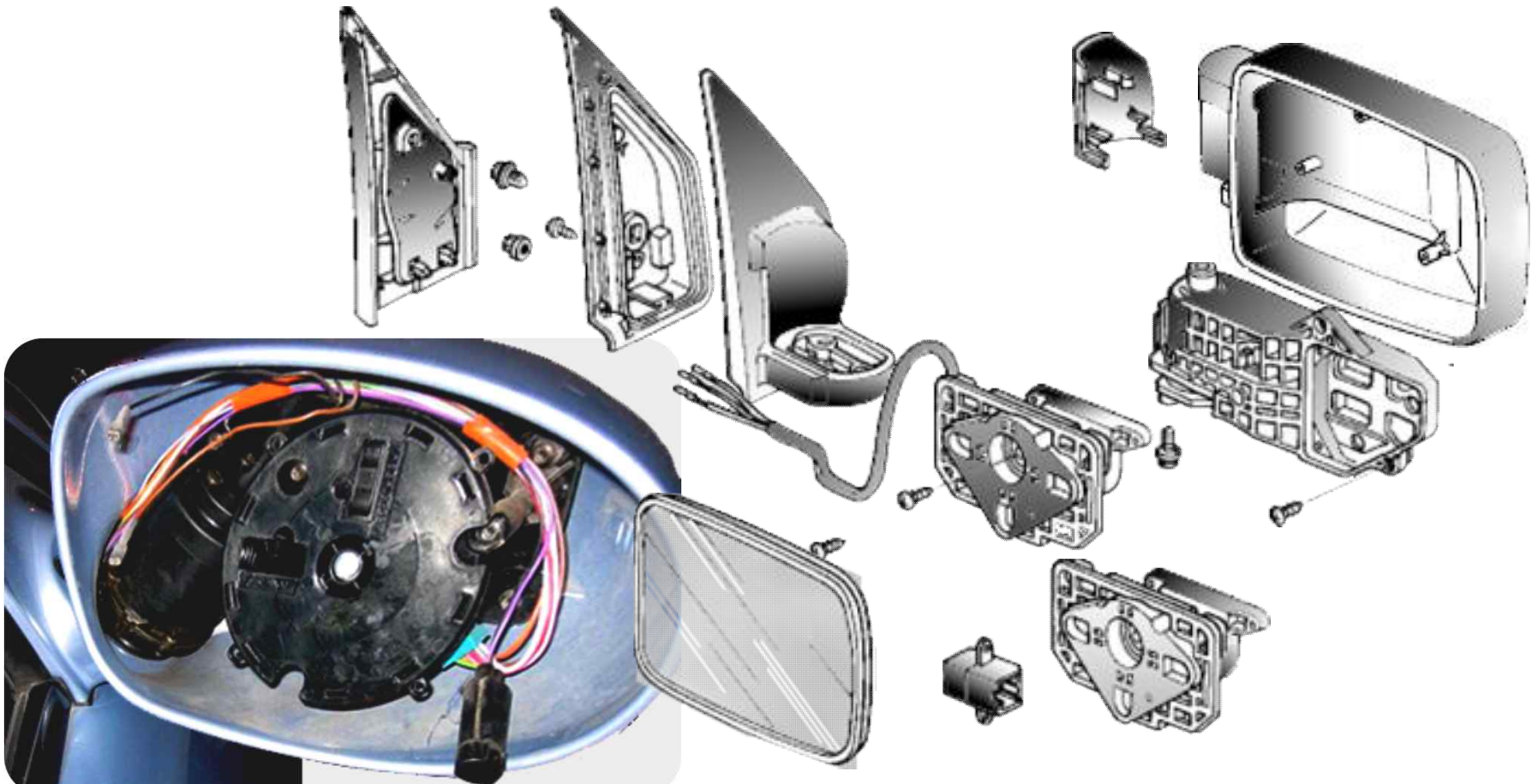
LubTio MPG-100



***LubFlour* PF-500 Series Dry Film Coating & Lubricant :**

A long-lasting rust prevention type product with outstanding load durability using non-contaminating rust prevention pigments.

Exterior Side Mirror



AUTO
Mirror

Synthetic Greases,

Compatible with plastics are applied to plastic gears to reduce noise and friction. / High performance grease for plastic/metal and plastic/plastic combinations involving medium-fast movements and medium loadings.

Door Trim / Regulator



Door Trim Lever

LubPlex™ MSG-150

LubPlex™ MSG-350

Window Lift Cable

LubTemp™ PLG-132

AUTO
Door

LubPlex™ MSG-Series:

Designed for extremely low temperatures.
Synthetic hydrocarbon oil and a special lithium soap.

LubTemp™ PLG-132: Special Low Temperature For Automobile cable

Cost Effective

Ash Tray



LubTio PF-300 Series

- ✓ Stability on Most of Plastics
- ✓ Wide Operating Temp (-50~200°C)
- ✓ Low Surface Tension and High penetration
- ✓ Fast Dry Film Lubricating

Cup Holder

LubTio MPG – 100



Is a soft high temperature plastic compatible, synthetic lubricant, having the proved corrosion characteristics and wear protection of a synthetic grease.

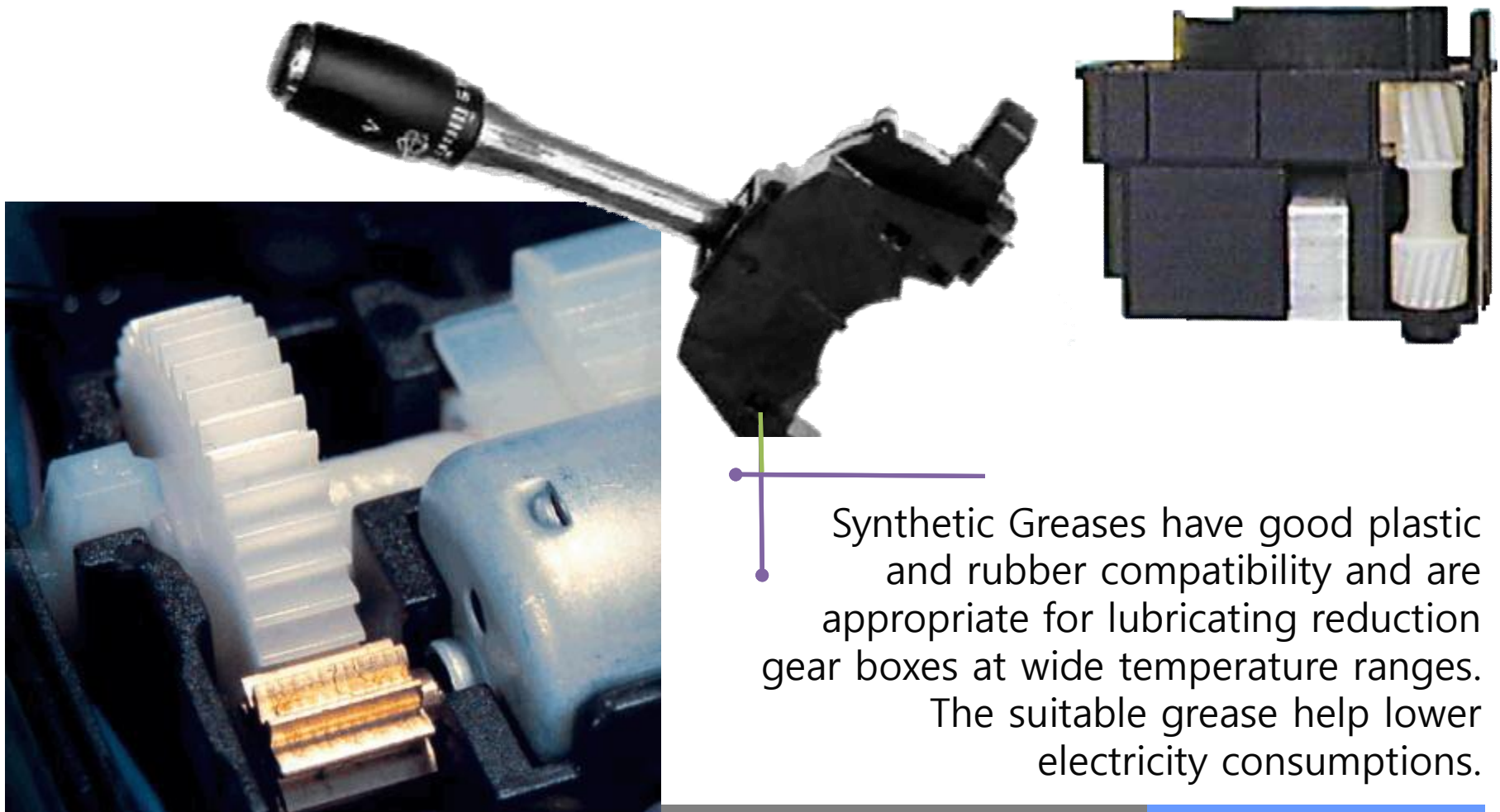
Glove Box



LubTio MPG-300

- ✓ A synthetic Base Oil + Lithium soap grease.
- ✓ Wide Operating Temp (-40° to 150° C)
- ✓ Good surface adhesion
- ✓ Reducing Noise

Plastic Components For Automobile



Synthetic Greases have good plastic and rubber compatibility and are appropriate for lubricating reduction gear boxes at wide temperature ranges. The suitable grease help lower electricity consumptions.

Laser Beam Printers

TIOTEK designs plastic-compatible, heat-stable products that help reduce noise in laser printers.

- ✓ Plastic Compatibility
- ✓ Noise Reduction
- ✓ Heat Stability
- ✓ Invisible
- ✓ Heat Stability

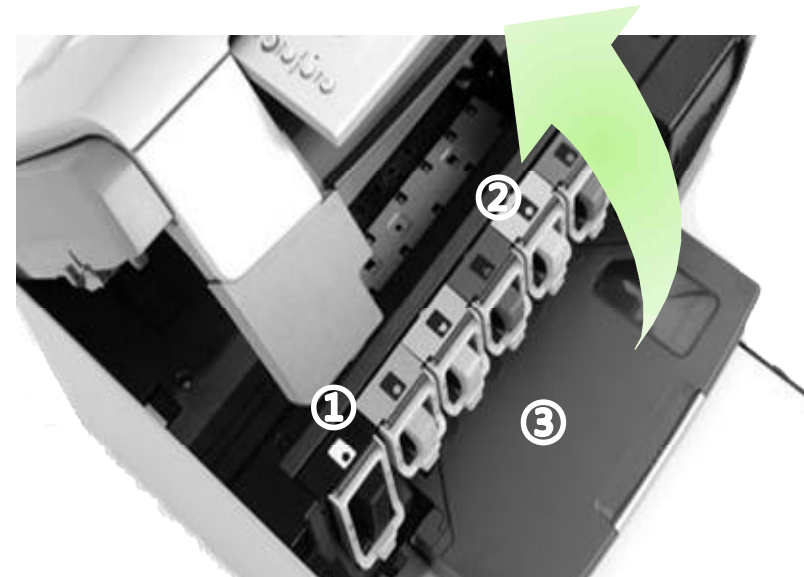


	Components	Product Code
1	Toner cartridge gears and developing roller	<i>LubTio MPG-300 / PF-411</i>
2	Paper feed and ejection gears	<i>LubTio MPG-300 / MPG-100</i>
3	Heat roller, Pressure roller and Bearings	<i>LubTio PFG-300</i>
4	Paper guide and cassette	<i>LubTio PF-511</i>
5	Paper actuator	<i>LubTio MPG-100</i>

Ink Jet Printers

Designers and engineers can depend on LubTio brand lubricants from to provide long-lasting, plastic-compatible lubrication that prevents oil spreading in inkjet printers.

- ✓ Plastic Compatibility
- ✓ Noise Reduction
- ✓ Heat Stability
- ✓ Invisible
- ✓ Heat Stability



	Components	Product Code
1	Ink Cartridges	<i>LubTio PF-51</i>
2	Plastic Gears	<i>LubTio MPG-100 / PF-511 / PF-411</i>
3	Paper Tray	<i>LubTio PF-51</i>

Multi-Function Printers

Designers and engineers can count on
TIOTEK brand lubricants from Customers
to provide:

- **heat stability**
- **plastic compatibility**
- **noise reduction**

for multi-function machine parts



	Components	Product Code
1	Toner Cartridge gears and developing Roller	LubTio MSG-350
2	Paper feed actuator	LubTio MSG-150
3	Paper guide and cassette	LubFlour™ PF-511
4	Paper feed / Sorting unit gears	LubTio MPG-100 / MPG-300
5	Heat Roller, Pressure roller and bearings	LubTio PFG-300



TIOTEK LOCATION

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