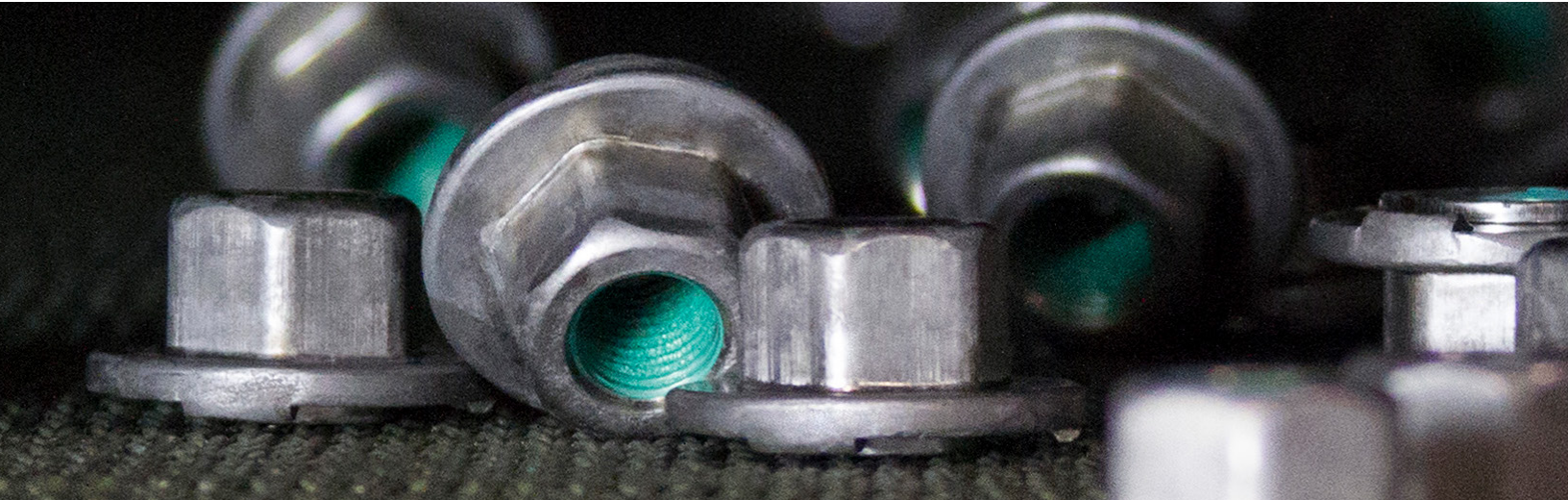




Advanced Fastening and Sealing Technologies

PRE-APPLIED
ND LM-1293®

ND LM-1293 is an automotive approved process in which fasteners are accurately coated with thread masking and lubricating materials. ND LM-1293 is compatible with male, female, ferrous, or non-ferrous threaded fasteners of virtually any finish. The use of PTFE materials along with ND's proprietary binder system makes ND LM-1293 ideal for many applications such as e-cote and weld spatter prevention.



PRE-APPLIED PROCESS INFORMATION

How It Works

After choosing ND LM-1293 processing, have your parts sent to one of ND's service centers.

ND will then apply the appropriate materials to your fasteners with our automated equipment which ensures consistent, quality results. Coated fasteners are then dried and repacked as needed.

Upon arrival, parts are ready for immediate installation and use.

 **Reliable Masking**

ND LM-1293 prevents undesirable substances such as electro-deposited undercoatings, weld spatter and some other materials from adhering to fastener threads.

 **Increases Productivity**

Increases efficiency by lubricating fastener threads which reduces driving friction, heat buildup, and thread galling in long rundowns while helping to ensure uniform clamp loading.

 **Low Heat Process**

Unlike competitive processes which often subject parts to extremely high temperatures that may damage or discolor the fastener, ND's unique patented process employs minimal heat.

 **Eliminates Capping & Plugging**

ND LM-1293 eliminates the need to cap male and plug female threads.

 **Minimal Pre-Cleaning**

Unlike competitive processes that require parts be completely free of oil or other rust preventative coatings, only parts with excessive oil or surface contaminants may require pre-cleaning.

 **Strong Resistance**

ND LM-1293 processing creates a cross-linked coating which provides excellent solvent resistance, high temperature resistance, e-coat resistance, resistance to weld spatter, and improvement to torque-tension properties.

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PRE-APPLIED

ND LM-1293®



PROCESS BENEFITS

Saves Time and Money: ND LM-1293 processed fasteners eliminate the need for re-tapping, plugging, capping, and slave bolts. This increases greatly reduces labor and material costs.

Quality Control: Pre-Applied ND LM-1293 fasteners are coated to specification, ensuring consistent performance.

Improved Torque: ND LM-1293 acts as a lubricant and reduces variation in torque tension while lowering installation torque.

Electrical Grounding: ND LM-1293 processing helps to guarantee a good electrical ground.

ND LM-1293 APPLICATIONS

Seat Belt Anchors, Weld Spatter Protection, E-Coat Protection, Automotive frame, Underbody.

APPROVED SPECIFICATIONS

Meets or exceeds the performance requirements of the following specifications and/or standards:

Chrysler: PS-8542, PS-50015

Ford: WSS-M21P27-A3

General Motors: GM6076M, GMW 15822

PROCESSING NOTES

- Indefinite on part life under ideal storage conditions [+40°F (+4°C) to +90°F (+32°C)], but re-certification must occur once a year. Typical coating length is 1.5 times thread diameter.
- To meet your specific application needs, ND LM-1293 processing employs a wide range of polymers, including fluorinated ethylene polymers.

PRE-APPLIED SERVICE

Step 1 - Process Selection: Our sales and R&D staff will help you find the right process to meet your performance specifications.

Step 2 - Shipping: Once a selection has been made, have your fasteners shipped to one of our worldwide processing centers.

Step 3 - Processing: Utilizing custom, high-speed equipment, we apply the necessary materials to your exact specification.

Step 4 - Delivery: Once processing is complete, parts are shipped back ready for distribution or assembly.