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Loctite 37643

Loctite 37643 Blue Medium Strength Threadlocker Stick - 9 g Instruction Manual

Model: 37643 | Brand: Loctite

1. Product Overview

The Loctite 37643 Blue Medium Strength Threadlocker Stick is a versatile, all-purpose adhesive designed for reliable thread locking on various metal substrates. Its wax-like stick form ensures a drip-proof and leak-proof application, making it ideal for challenging overhead tasks. This medium-strength threadlocker is easily removable with standard hand tools, making it suitable for automotive and general maintenance applications.



Figure 1: Loctite 37643 Blue Medium Strength Threadlocker Stick in its original packaging.



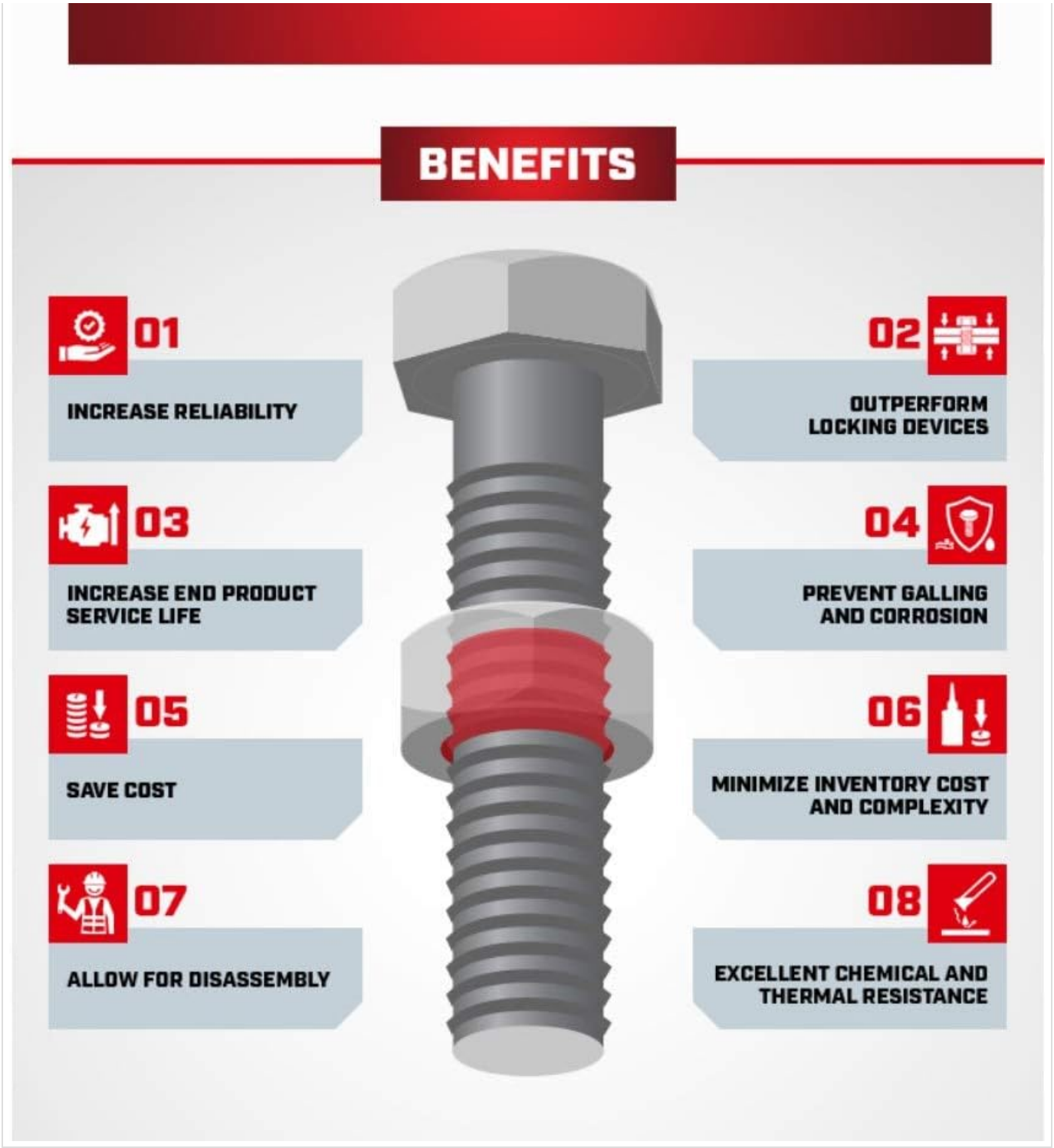


Figure 2: Infographic detailing the benefits of using Loctite Threadlockers, including increased reliability, prevention of galling and corrosion, and cost savings.

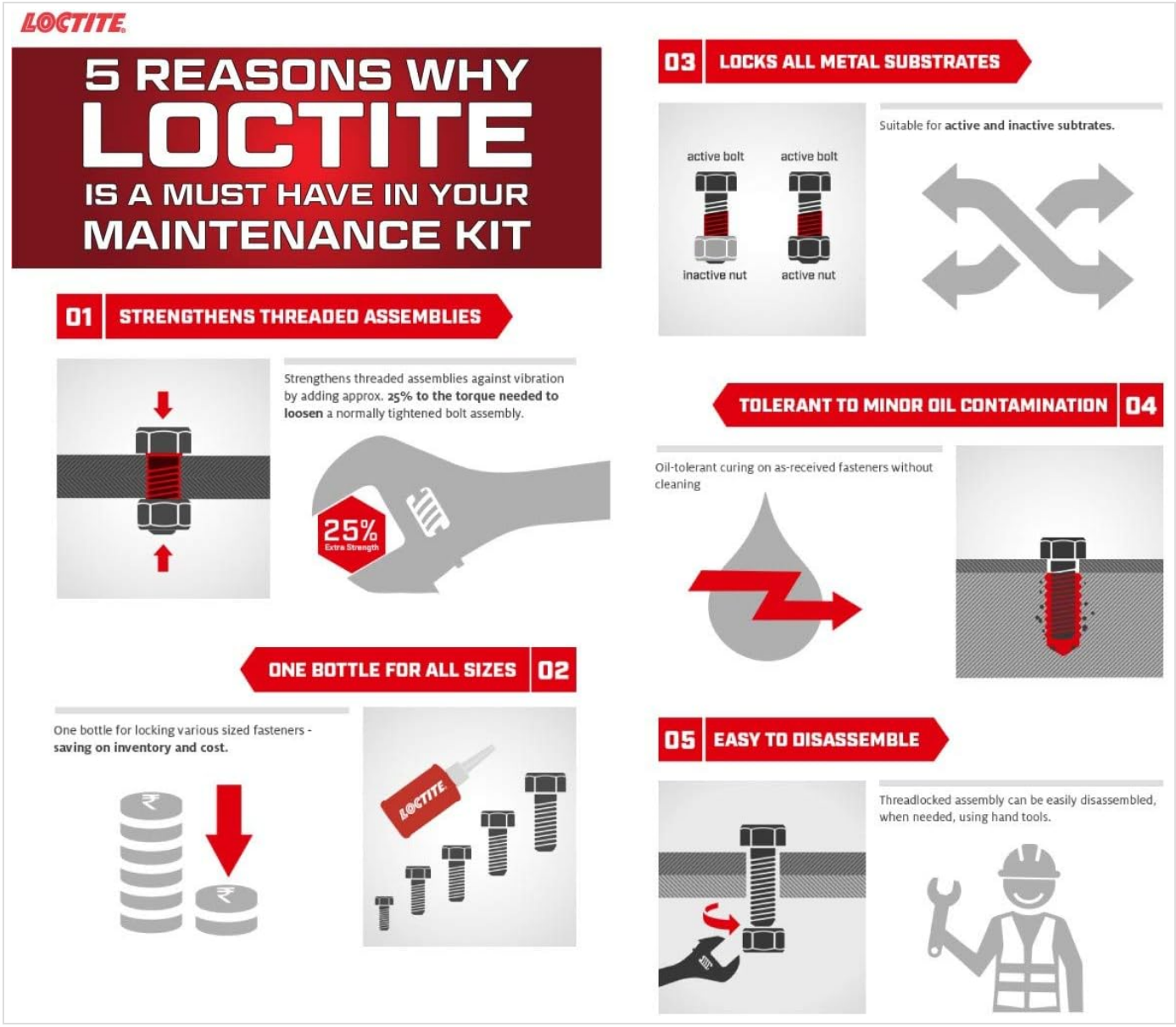


Figure 3: Infographic illustrating five key reasons to use Loctite, such as strengthening threaded assemblies and tolerance to minor oil contamination.

1.1 Official Product Video: Benefits of Using Loctite Threadlockers

Your browser does not support the video tag.

Video 1: This video explains the benefits of using Loctite Threadlockers compared to traditional fasteners, highlighting how they prevent loosening due to vibration and fill microscopic gaps.

2. Safety Information

WARNING: May cause allergic skin reaction. Irritant. Read carefully other cautions on the back panel. Avoid eye and skin contact. Avoid breathing vapors. Use only with adequate ventilation. Do not swallow. **FIRST AID TREATMENT:** Contains methacrylate esters. For eye contact flush with water for 15 minutes. For skin contact, wash affected area with soap and water immediately. If affected by inhalation, remove to fresh air. If symptoms develop and persist, seek medical advice. If swallowed, do not induce vomiting. Call a physician or Poison Control Center immediately. **KEEP OUT OF REACH OF CHILDREN.**
Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

3. Setup and Preparation

For optimal performance, ensure surfaces are clean and dry. While the Loctite 37643 tolerates minor oil contamination, cleaning surfaces thoroughly will enhance adhesion. Use a suitable cleaner to remove any grease, oil, or debris from the threads of the

fasteners.

1. Clean and dry parts.
2. For best results, clean all surfaces (internal and external) with a Loctite cleaning solvent and allow to dry.

4. Operating Instructions (Application)

The Loctite 37643 Threadlocker Stick is designed for easy and mess-free application. Follow these steps for effective thread locking:

1. Remove the cap from the threadlocker stick.
2. Apply the stick directly to the threads of the bolt or nut. Rotate the stick around the threads to ensure even coverage. A small amount is sufficient.
3. Assemble the parts as usual. The adhesive will begin to cure upon contact with metal in the absence of air.
4. Fixture time is approximately 10 minutes, with full strength achieved within 24 hours.



Figure 4: A person wearing gloves applies the Loctite Threadlocker Stick directly to the threads of a bolt, demonstrating the ease of application.



Figure 5: The Loctite Threadlocker Stick positioned near a bolt on an engine component, illustrating its practical use in automotive applications.

5. Maintenance

Store the Loctite Threadlocker Stick in a cool, dry place away from direct sunlight and heat sources. Ensure the cap is securely replaced after each use to prevent the product from drying out and to maintain its effectiveness.

6. Troubleshooting (Disassembly)

The Loctite 37643 Blue Medium Strength Threadlocker is designed for easy removal with standard hand tools. For assemblies locked with high or permanent strength threadlockers, a different method involving heat may be required.

6.1 Disassembly of Medium Strength Threadlockers (Loctite 37643)

For assemblies secured with medium strength threadlockers like the Loctite 37643, simply use standard hand tools to loosen and remove the fasteners. No special procedures or heat are typically required.

6.2 Disassembly of High Strength Threadlockers (General Guidance)

For high strength or permanent threadlockers, follow these steps:

1. Apply localized heat to the nut or bolt to approximately 250 °C (482 °F).
2. Disassemble while hot using standard hand tools.

6.3 Official Product Video: How To Disassemble Threadlocked Assemblies

Your browser does not support the video tag.

Video 2: This video provides instructions on how to disassemble assemblies that have been secured with threadlockers, including methods for both medium and high-strength applications.

7. Specifications

Feature	Detail
Brand	Loctite
Model Number	37643
Item Form	Stick
Color	Blue
Strength	Medium
Compatible Material	Stainless Steel, Aluminum, Metal
Item Weight	0.96 ounces
Product Dimensions	3.5 x 0.75 x 0.75 inches
Full Cure Time	24 Hours
UPC	079340376434

8. Warranty and Support

For warranty information or technical support regarding your Loctite 37643 Blue Medium Strength Threadlocker Stick, please contact Loctite customer service or visit their official website. Keep your purchase receipt for any warranty claims.

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