

**LOCTITE**<sup>®</sup>

**MOTORCYCLE APPLICATION GUIDE**







# LOCTITE® MOTORCYCLE APPLICATION GUIDE

## It's all about our **LOCTITE® PRODUCTS** and **YOUR BIKE**

### Table of Contents

---

Introduction ..... 5

Loctite® Product Applications for Motorcycle Body ..... 6-7

Loctite® Product Applications for Motorcycle Engine ..... 8-9

Loctite® Product Guide ..... 10-11



**KEEP IT TIGHT. USE LOCTITE®.**



## We have A LOCTITE® PRODUCT for every application you need TO FIX YOUR RIDE



Since the invention of the first gas-engine motorcycle in 1885, there has been a love affair between humans and their motorized bikes, often referred to as their “ride”. In the early days of motorcycling, enthusiasts were referred to as “adventurers”. Today, those involved in these love affairs come from all walks of life, different income levels and careers, and even from both genders. But one thing is the same no matter who you are or what brand of bike you ride – proper maintenance and repair of your bike is **critical**.

We at Henkel are proud to provide you with this motorcycle application guide which outlines the right Loctite® product solutions for every part of your bike. With this guide, you can maintain and/or improve the performance, safety and reliability of your motorcycle.

Making a small investment, in factory-approved Loctite® products today, will prevent costly repairs tomorrow. There is nothing new about these Loctite® application tips, they have been used on motorcycles and passed down the generations for over 50 years. But now you have all the applications clearly called-out on one-of-a-kind 3-D drawings.

You know the vibration your motorcycle endures and how hard the road can be on your ride, so keep it tight – use Loctite®.

# Product Applications for Motorcycle Body



## HANDLEBAR BRACKETS

Loctite® 242® Threadlocker

## MIRROR FIXTURES

Loctite® 242® Threadlocker

## THROTTLE CONTROL GRIP SCREW

Loctite® 222™ Threadlocker

## HEADLIGHT BULB

Loctite® Dielectric Grease

## CLUTCH INSPECTION COVER BOLTS

Loctite® 243™ Threadlocker

## CLUTCH RELEASE COVER

Loctite® 598™ Black High Performance RTV Silicone Gasket Maker

## OIL PRESSURE SWITCH

Loctite® 565™ PST® Thread Sealant

## COIL COVER SCREW

Loctite® 243™ Threadlocker

## SEAT BOLTS

Loctite® 243™ Threadlocker

## SLIDE BOLTS

Loctite® ViperLube® High Performance Synthetic Grease

## SHIFTER BRACKET BOLTS

Loctite® 243™ Threadlocker

## TAIL/STOP LAMP SCREWS AND TURN SIGNAL SCREWS

Loctite® 222™ Threadlocker

## ALL LIGHT BULBS

Loctite® Dielectric Grease

## LICENSE PLATE BOLTS

Loctite® 222™ Threadlocker

## REAR AXLE ADJUSTER BOLT

Loctite® 243™ Threadlocker



# LOCTITE® MOTORCYCLE APPLICATION GUIDE

## FRONT BRAKE MASTER CYLINDER COVER SCREW

Loctite® 222™ Threadlocker

## STEERING HEAD BEARINGS

Loctite® ViperLube® High Performance Synthetic Grease

## TURN SIGNAL SCREWS

Loctite® 222™ Threadlocker

## FUEL SUPPLY VALVE

Loctite® 565™ PST® Thread Sealant

## AIR CLEANER COVER BOLT

Loctite® 243™ Threadlocker

## INSPECTION PLUG

Loctite® 243™ Threadlocker

## VOLTAGE REGULATOR BOLTS

Loctite® 243™ Threadlocker

## WHEEL BEARINGS

Loctite® ViperLube® High Performance Synthetic Grease

## AXLE

Loctite® Silver Anti-Seize

## SMALL FASTENER BOLTS

Loctite® 242® Threadlocker

## PRIMARY CHAIN INSPECTION COVER SCREWS

Loctite® 243™ Threadlocker

## SHOCK BOLT

Loctite® 242® Threadlocker

## PRIMARY DRAIN PLUG

Loctite® 565™ PST® Thread Sealant

## REAR FENDER NUTS

Loctite® 242® Threadlocker

## MUFFLER END CAPS

Loctite® 5920™ Copper High Performance RTV Silicone Gasket Maker

KEEP IT TIGHT. USE LOCTITE®.

# Product Applications for Motorcycle Engine



## EXHAUST FLANGE NUTS

Loctite® 243™ Threadlocker

## ALL PLUG WIRES AND ELECTRICAL CONNECTIONS

Loctite® Dielectric Grease

## ROCKER COVER BOLTS

Loctite® 243™ Threadlocker

## SPARK PLUGS

Loctite® Silver Anti-Seize Stick

## VALVE COVER

Loctite® 515™ Gasket Maker

## EXHAUST MANIFOLD STUDS

Loctite® Anti-Seize Lubricant – Copper

## HEAD BOLTS

Loctite® Silver Anti-Seize Stick

## CRANKCASE BOLTS

Loctite® 262™ Threadlocker

## DRIVE SPROCKET RETAINING NUT

Loctite® 262™ Threadlocker

## OIL LINE FITTING

Loctite® 565™ PST® Thread Sealant

## TIMING PLUGS (AND ALL DRAIN PLUGS – OIL, PRIMARY, TRANSMISSION – NOT SHOWN)

Loctite® 565™ PST® Thread Sealant



# LOCTITE® MOTORCYCLE APPLICATION GUIDE

## **INDUCTION MODULE TO MANIFOLD FASTENERS**

Loctite® 290™ Threadlocker

## **SPARK PLUG BOOT AND CONNECTION**

Loctite® Dielectric Grease

## **TRANSMISSION SPROCKET NUT**

Loctite® 262™ Threadlocker

## **CLUTCH BASKET BOLTS**

Loctite® 243™ Threadlocker

## **CLUTCH HAND NUT**

Loctite® 262™ Threadlocker

## **COMPENSATING SPROCKET NUT**

Loctite® 271™ Threadlocker

## **PRIMARY DRIVE RETAINER BOLTS**

Loctite® 243™ Threadlocker

KEEP IT TIGHT. USE LOCTITE®.

# Product Guide



## **Loctite® 222™ Threadlocker** **Low Strength/Small-Screw / Purple**

Ideal for fastener diameters of 1/4" (6 mm) and smaller. Controlled lubricity for accurate clamp loads. Parts can be separated using hand tools.

### *Motorcycle Applications:*

**Body:** Front Brake Master Cylinder Cover Screw  
License Plate Bolts  
Tail/Stop Lamp Screws  
Throttle Control Grip Screw  
Turn Signal Screws

## **Loctite® 242® Threadlocker** **Medium Strength / Blue**

A general purpose, removable threadlocker for fasteners between 1/4" and 3/4" (6 to 20 mm) diameters. Controlled lubricity for accurate clamp loads. Parts can be separated using hand tools.

### *Motorcycle Applications:*

**Body:** Handlebar Brackets  
Mirror Fixtures  
Rear Fender Nuts  
Shock Bolt  
Small Fastener Bolts

## **Loctite® 243™ Threadlocker** **Medium Strength/Oil Resistant / Blue**

A general purpose, medium strength threadlocker with improved oil tolerance. For fasteners between 1/4" and 3/4" (6 to 20 mm) diameters.

### *Motorcycle Applications:*

**Body:** Air Cleaner Cover Bolt  
Coil Cover Screw  
Clutch Inspection Cover Bolts  
Inspection Plug  
Primary Chain Inspection Cover Screws  
Rear Axle Adjuster Bolt  
Seat Bolts  
Shifter Bracket Bolts  
Voltage Regulator Bolts

**Engine:** Clutch Basket Bolts  
Exhaust Flange Nuts  
Primary Drive Retainer Bolts  
Rocker Cover Bolts

## **Loctite® 262™ Threadlocker** **Medium to High Strength / Red**

A permanent threadlocker for fasteners up to 3/4" (20 mm) in diameter. High lubricity for easy assembly. Excellent for preventing rust and corrosion in extreme chemical/environmental conditions.

### *Motorcycle Applications:*

**Engine:** Clutch Hand Nut  
Crankcase Bolts  
Drive Sprocket Retaining Nut  
Transmission Sprocket Nut

## **Loctite® 271™ Threadlocker** **High Strength / Red**

Locks fasteners up to 1 1/2" (36 mm). Protects threads from rust and corrosion. Removable with heat and hand tools.

### *Motorcycle Applications:*

**Engine:** Compensating Sprocket Nut

## **Loctite® 290™ Threadlocker** **Wicking Grade / Green**

A medium strength threadlocker for pre-assembled bolts up to 1/2" (12 mm). Penetrates threads by capillary action. Secures set screws and other assemblies after settings are completed. Seals welds and porous metal parts. Protects threads from rust and corrosion. Localized heating and hand tools are needed for disassembly.

### *Motorcycle Applications:*

**Engine:** Induction Module to Manifold Fasteners

## **Loctite® 515™ Gasket Maker**

Makes flexible gaskets for rigid machined flanges with less than 0.05" gap. Flexes with flanges that move in service.

### *Motorcycle Applications:*

**Engine:** Valve Cover



## **Loctite® 565™ PST® Thread Sealant Controlled Strength**

A general purpose pipe sealant that cures into a resistant plastic. Excellent solvent resistance and withstands temperatures to 300°F (149°C). Sealing is effective on threaded joints up to 2" in diameter.

### *Motorcycle Applications:*

**Body:** Fuel Supply Valve  
Oil Pressure Switch  
Primary Drain Plug

**Engine:** All Drain Plugs – Oil, Primary and Transmission  
Oil Line Fitting  
Timing Plugs

## **Loctite® 598™ Black High Performance RTV Silicone Gasket Maker**

Retains high flexibility and oil resistance for longer gasket life. Temperature range is -75°F to 625°F (-59°C to 329°C) intermittent. Low odor, non-corrosive, low volatility. Resistant to most chemicals and solvents. Fills gaps to 0.25".

### *Motorcycle Applications:*

**Body:** Clutch Release Cover

## **Loctite® 5920™ Copper High Performance RTV Silicone Gasket Maker**

Premium silicone that can withstand operating environments to 700°F (371°C) intermittent. Superior oil resistance. Low odor, non-corrosive, low volatility, non-conductive. Resistant to most chemicals and solvents. Fills gaps to 0.25".

### *Motorcycle Applications:*

**Body:** Muffler End Caps

## **Loctite® Anti-Seize Lubricant – Copper**

Exclusive formula suspends copper and graphite in a high quality grease. Protects metal parts from rust, corrosion, galling, and seizing at temperatures to 1800°F (982°C).

### *Motorcycle Applications:*

**Engine:** Exhaust Manifold Studs

## **Loctite® Dielectric Grease**

Provides a moisture-proof barrier that lubricates and protects electrical equipment from salt, dirt, and corrosion. High dielectric strength. Good thermal, oxidation and chemical stability.

### *Motorcycle Applications:*

**Body:** All Light Bulbs  
Headlight Bulb

**Engine:** All Plug Wires and Electrical Connections  
Spark Plug Boot and Connection

## **Loctite® Silver Anti-Seize Stick**

Heavy duty, temperature resistant, petroleum-based lubricant compound fortified with graphite and metallic flake. For use in assemblies up to 1600°F (871°C). Convenient semi-solid stick form which offers more portability and less mess.

### *Motorcycle Applications:*

**Body:** Axle

**Engine:** Head Bolts  
Spark Plugs

## **Loctite® ViperLube® High Performance Synthetic Grease**

NLGI Grade 2/Severe Duty GC-LB Grease provides superior protection for equipment exposed to a wide range of operating temperatures and environments. Use as a lubricant and protective anti-rust film on bearings, machine parts, equipment, or as a release agent on gaskets and seals. NSF H1 rated for incidental food contact.

### *Motorcycle Applications:*

**Body:** Slide Bolts  
Steering Head Bearings  
Wheel Bearings



We have the **LOCTITE® PRODUCT**  
and **SUPPORT** you need

Henkel –  
Your partner worldwide

Henkel Corporation  
Engineering Adhesives  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067  
Phone: 860.571.5100  
Fax: 860.571.5465  
Customer Service: 1.800.434.1836  
[www.loctite.com/aam](http://www.loctite.com/aam)



Henkel Corporation  
Engineering Adhesives  
[www.henkel.us](http://www.henkel.us)  
[www.loctite.com](http://www.loctite.com)

® and TM designate trademarks of the Henkel Corporation or its Affiliates. ® = registered in the U.S. Patent & Trademark Office. © Henkel Corporation, 2006. All rights reserved. 3670 LT-4460 (10/06)