

# Service-Information



Group: 00 MAINTENANCE AND GENERAL INFORMATION	January 1983	Bulletin No.: 00 029 83 (2068)
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RE: ADHESIVES AND SEALANTS FOR USE ON BMW MOTORCYCLES

Dear Dealer:

Modern engineering processes make increasing use of bonded or adhesive joints, and of liquid sealants. These chemical products are in each case formulated for the specific task they have to perform, so that increased operating reliability is assured.

We have produced the following table to give you a better overall picture of the various adhesives and sealants used on BMW motorcycles. Suppliers of these products are shown at the end of the table.

The products listed below can normally be obtained through the automotive parts trade, or from the sources indicated below:

Loctite 242 Medium-firm thread retainer	Color: blue
Loctite 272 High-strength keeper and retainer	Color: green
Loctite 495 Super Bonder	Color: transparent
Loctite 515 Surface sealing	Color: green
Loctite RC/603 High-strength joint seal	Color: green
Loctite RC/860 High-strength joint seal	Color: green

## Enging

3 stud bolts for timing chain cover	Loctite 242
M 8 screw plug at front and 2 M 12 x 1 screw plugs at side and rear of engine block to seal oilways	Loctite 242
Middle pipe for full-flow oil filter	Loctite 242
3 x 8 mm Phillips-head screw at breather, to secure diaphragm spring and baffle plate to breather valve body	Loctite 242
4 M 6 x 18 hex bolts for oil pump cover	Loctite 242
2 hex bolts for oil pickup dome on engine block	Loctite 242

Use route and initial before filing

Service Manager	Parts Manager	Service Writer	Technicians

Fuel supply and mixture preparation

Lower part of air cleaner at engine and gearbox      Loctite 242  
 (Loctite must also be used under the bolt  
 contact faces, not to retain the bolts, but  
 to prevent air from leaking in and weakening  
 the mixture.)

Fuel Tank

Rubber underlay between tank and rear frame tube      Rubber Moulding  
 (on 248 and Enduro models)      Adhesive

Knee pads on tank (for 247 special equipment)      \*Super Bonder 495

Steering

Throttle twistgrip and fixed grip (rubber) to      \*Super Bonder 495  
 tube on handlebar fitting

Rear Axle

Stud bolts in rear wheel drive for attaching to      Loctite 272  
 swinging arm

Shouldered nut retaining coupling hub at      Loctite 242  
 pinion in rear wheel drive (to secure nut)

Sealing face between universal-joint housing and      Loctite 515  
 housing cover (note thickness of gasket removed  
 when adjusting clearance)

Flange joint between rear-wheel swinging arm      Loctite RC/R60  
 and universal joint housing on R80 G/S  
 (absolutely essential as an additional safeguard  
 against twisting in this joint, and to seal the  
 joint face)

Spring strut mounting lug to damper piston rod      Loctite 272

Pedals

Pivot pin for gear shift pedal at footrest      Loctite 272

\*To ensure an adhesive joint of adequate strength, rubber  
 moulding adhesive must be applied strictly in accordance  
 with the maker's instructions (coat both surfaces, expose  
 to air for a short period and then press together).

Frame

Rubber pad at battery cover	Rubber Moulding Adhesive
Foam rubber cover to storage compartment at rear end of dual seat	Rubber Moulding Adhesive
Sealing gasket at joint between windscreen and RT fairing SI 46 005 81 (2038)	*Super Bonder 495
Bolting joint between side and center sections of fairing (apply adhesive to threads of self-tapping Hi-Lo screws only when initially installing on a new section of fairing)	Loctite RC/601
Seal at rear screen panel of LS fairing	*Super Bonder 495
Boot between fairing and fork slider tube, if needed, at approximately 5 points on lower part of fairing (see SI 90 009 78 (1044R))	*Super Bonder 495

Lights

Turn indicator and marker light glasses at fairing (RS and RT). Coat threads with adhesive only when first inserting the self-tapping screws into a new section of fairing.	Loctite RC/601
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Warning:

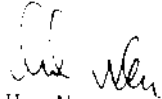
Once the tube has been opened, super bonder adhesive has a very restricted shelf life, even if kept in the refrigerator. It is best to order tube sizes which can be used as quickly as possible, to avoid having to throw away the remainder in the tube.

Loctite Corporation  
Newington, Connecticut 06111  
203-278-1280

Rubber moulding adhesive or rubber trim adhesive can be obtained at most auto body supply stores or from 3M Corporation.

Yours truly,

BMW OF NORTH AMERICA, INC.



E. Neas  
National Service Manager

HN/cs