



Service Bulletin

Questions, call : 1-800-MOTO-USA

Issued : 8/13/02

<http://www.cannondale.com/motorsports>

2003 X440

(up to and including VIN 5B6CC11C23B000205)

Fuel System Hose Inspection

BULLETIN : SB02-013

MODELS : 2003 X440 up to and including VIN 5B6CC11C23B000205

ISSUED : 8/13/02

SUBJECT : Fuel System Hose Inspection

CONDITION : During the manufacturing process, some hoses of the fuel system assembly were assembled without abrasion sleeving or sleeving cut too short. Additionally, some hoses may not have been secured correctly. During operation of the fuel pump, the fuel system hoses contain fuel under high pressure. Vibration or hose movement over prolonged periods can result in abrasion damage to the hoses resulting in fuel leakage. Fuel leakage in the presence of an ignition source can result in a fire.

SOLUTION : The inspection procedure of this bulletin must be performed on any affected vehicle brought into your dealership. See "Inspection" on page 2. All hoses should be inspected to make sure the correct sleeving length is installed and that the fuel pump outlet hose is secured to the right engine frame rail as indicated by this service bulletin. See "Fuel pump outlet hose" on page 4.

Do not sell any affected vehicle until the inspection has been completed and repaired if necessary before release to the customer.

Cannondale has mailed a copy of this bulletin to all owner's based on returned vehicle registration forms.

PARTS : Order **P/N 5002321, Sheath, Hose 65"** and cut length of the sleeving required. This standard length can service all hoses of two units.

If you have any questions about this service bulletin, call toll free 1-800-MOTO-USA.

CUSTOMER INFORMATION : You should not attempt to perform the procedures described in this bulletin or assume that the information contained in this bulletin applies to your vehicle. The bulletin is intended for use only by skilled motorsports service technicians who are equipped with the proper tools and equipment necessary to correctly and safely perform the service described. Always consult an authorized Cannondale Motorsports Dealer to determine if a service procedure described is necessary for your vehicle and to schedule professional service.

Information is subject to change without notice.

SB02-013.fm

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INSPECTION

1. Visually inspect all fuel system hoses to confirm that the correct lengths of sleeving have been installed.

If any hose is not covered as indicated by the following illustration, carefully inspect it for any signs of damage, abrasion, or fuel leakage. Replace any damaged hose with a new one.

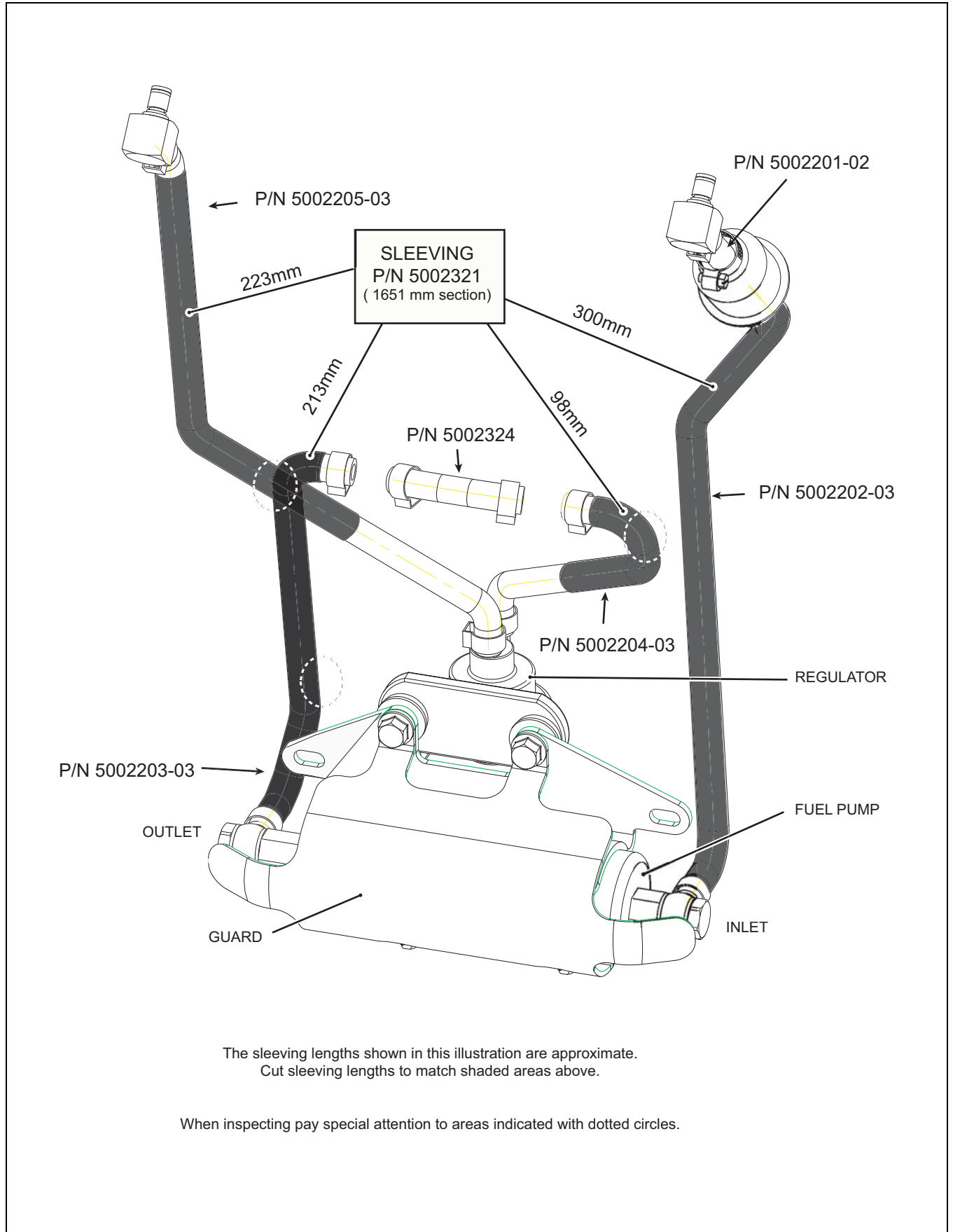
Cut and install any required sleeving. Position it as indicated in the following illustration.

2. Check to make sure that the fuel pump outlet hose is secured to the right engine frame rail with a zip tie and that the tie is positioned above the fuel pump mounting tab. See "Fuel pump outlet hose" on page 4.

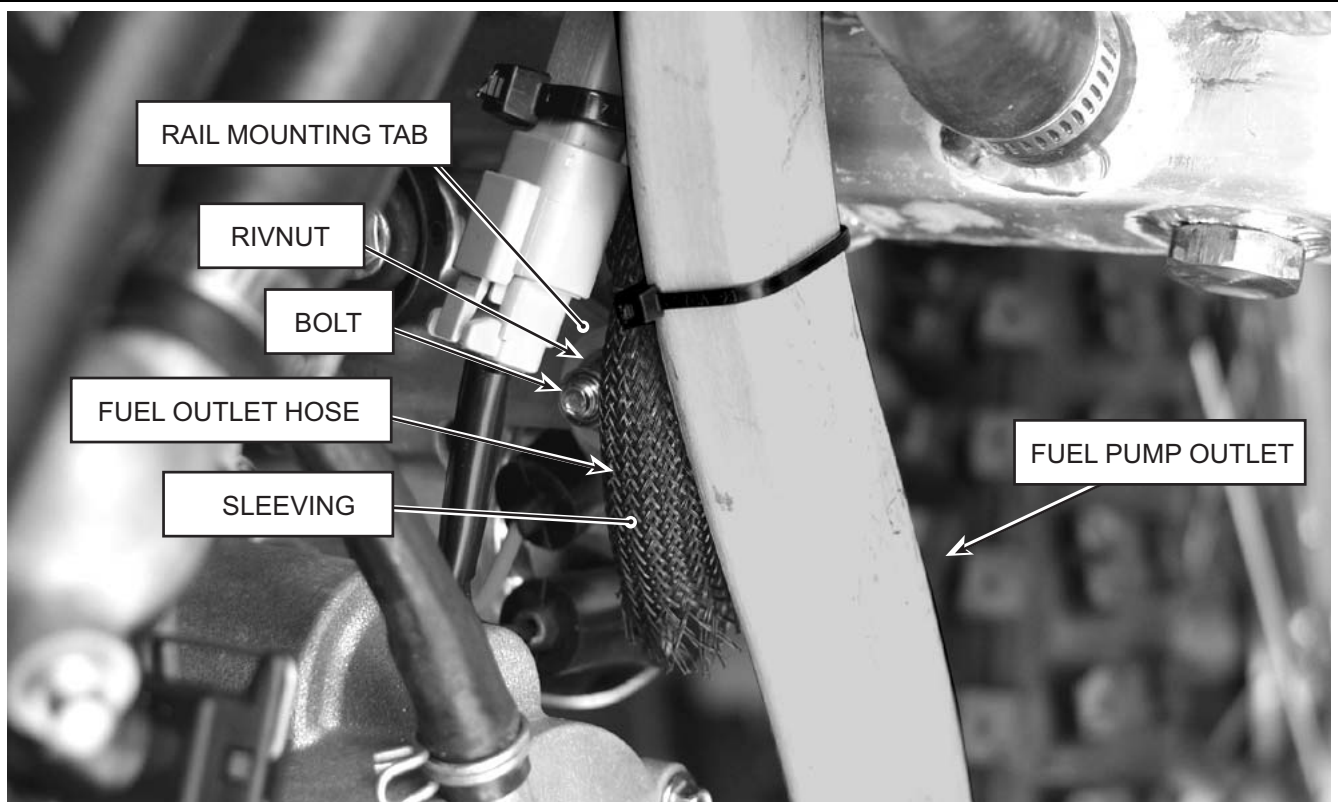
If the zip tie is missing, inspect the hose for damage. Check the hose closely where it passes the end of the fuel pump mounting bolt on the right engine frame rail. Prolonged contact with this bolt end can damage the hose.

3. Inspect the back of the radiator to make sure no fuel hose contacts the radiator. Properly installed and undamaged hoses will not touch the radiator. If any fuel hose touches the radiator, take corrective action.
4. Check the entire fuel system for any leaks following correction.

FUEL SYSTEM HOSES



FUEL PUMP OUTLET HOSE



This photo shows the correct assembly method of the fuel pump outlet hose. Notice that the SLEEVING covers the FUEL OUTLET HOSE as it pass the BOLT end. Notice also that the ZIP TIE secures the hose and covering braid and it is positioned on the RIGHT FRAME RAIL above the MOUNTING TAB.

