

SB-10058483-6946



SI B13 04 15
Fuel Systems

April 2015
Technical Service

SUBJECT

N63 Engine: Fuel System Low-pressure Sensor and Low-pressure Metal Line Installation Procedures

MODEL

F01 (7 Series Sedan)

F02 (7 Series Sedan LWB)

Produced from 9/2008 to 6/2012

F04 (ActiveHybrid 7)

Produced from 4/2010 to 6/2012

F07 (Gran Turismo)

Produced from 9/2009 to 6/2012

F10 (5 Series Sedan)

Produced from 3/2010 to 7/2013

F12 (6 Series Convertible)

Produced from 3/2011 to 7/2012

F13 (6 Series Coupe)

Produced from 7/2011 to 7/2012

E70 (X5)

Produced from 3/2010 to 6/2013

E71 (X6)

Produced from 7/2008 to 6/2014

E72 (ActiveHybrid X6)

Produced from 9/2009 to 9/2011

INFORMATION

Installation of the fuel system low-pressure sensor is critical to proper operation. Failure to install the low-pressure sensor and applicable metal supply line can lead to a failure.

Always follow the applicable repair instruction (13 53 594 “Replacing fuel low-pressure sensor N63”) when replacing the the low-pressure sensor unless otherwise specified in [SI B11 06 14](#), “N63 engine: Customer Care Package.”

[SI B11 06 14](#) states to replace the entire low-pressure metal fuel line **with** the low-pressure sensor.

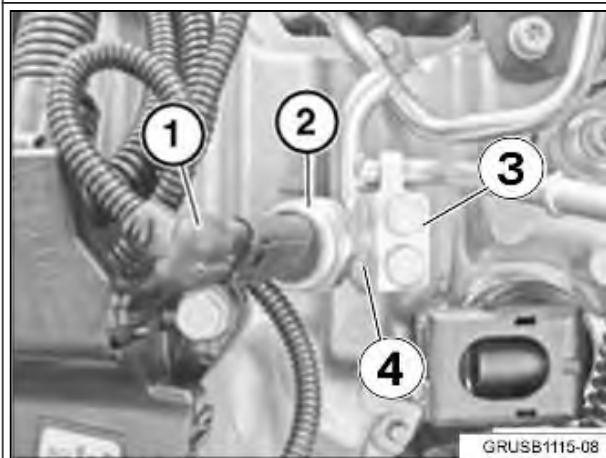
The following illustrations and descriptions will help identify the applicable low-pressure sensor and low-pressure metal line combinations.



Sensor overview top:
 Sensata (1) Small plastic housing
 Bosch (2) Large plastic housing
 Sensata (3) Larger metal body
 Bosch (4) Smaller metal body



Sensor overview bottom:
 The Sensata sensor (1) has a concave tip and utilizes an o-ring to make a seal against the metal line (3).
 The Bosch sensor (2) has a convex sealing area and will not seal on a Sensata metal fuel line.
 Sensata (3) Larger metal body
 Bosch (4) Smaller metal body
 Sensata (5) Smaller plastic housing
 Bosch (6) Larger plastic housing
 Do not transfer the o-ring from the Sensata sensor (3) to the Bosch sensor (4).
 Do not install with any type of liquid sealing material or hard-sealing material (brass, paper, aluminum seal ring, etc.) to any portion of the Bosch low-pressure sensor sealing surfaces.

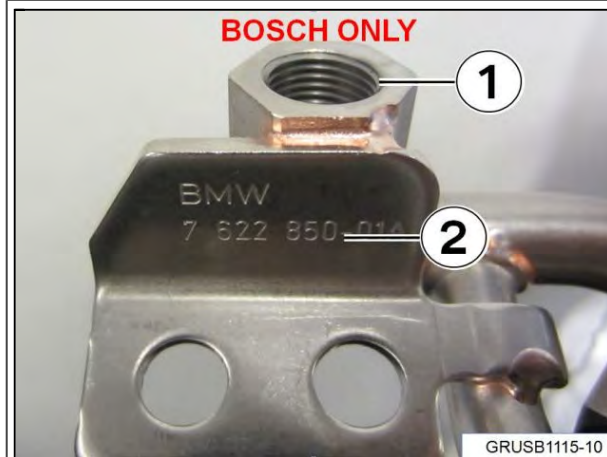


The low-pressure metal fuel line has a part number (4) engraved in the line near the pressure sensor (2) and mounting screws (3).
 Sensor connector (1)
 Low-pressure sensor (2)
 Metal fuel line mounting screws (3)
 Metal fuel line **part number** location (4)

Sensata Metal Line Identification:
 Low-pressure line **with** a machined area



for an o-ring (1) can only be used with a **Sensata** low-pressure sensor.
Part Number 7 547 605 (2)
Do not install a Bosch low-pressure sensor on this low-pressure metal fuel line.



Bosch Metal Line Identification:
Low-pressure line **without** a machined area for an o-ring (1) can only be used with a **Bosch** low-pressure sensor.
Part Number 7 622 850 (2)
Do not install a Sensata low-pressure sensor on this low-pressure metal fuel line.

All parts from these repairs are subject to 100% return and inspection at the WPRC to ensure appropriate usage of parts. Returned parts which do not meet the correct replacement criteria (part number/part index), as described in the procedure attachment, will be debited.

Any damage that occurs to the vehicle and/or towing charges as a result of an improper repair will be the responsibility of the dealer.

WARRANTY INFORMATION

The low-pressure metal fuel line with the low-pressure sensor is being returned requested for inspection by the Warranty Parts Return Center (WPRC).

All fuel feed lines received by the WPRC **must** have the brackets and sensor attached and in place.

The WPRC will also be checking the component's part numbers. If the part **does not** pass inspection, the claim will be debited.

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