

**SUBJECT****High Beam Laser Light Information****MODEL**

I12 (i8)

Vehicles produced from September 9, 2015

SITUATION

High Beam Laser lights have been introduced as an optional installed equipment.

INFORMATION

- Laser headlights will be available as optional equipment **SA5AZ**.
- The laser headlight is a combined LED/laser headlight. Low- and high-beam headlights are generated by LEDs, as in LED headlight. The additional high beam (high beam booster) is generated by a laser.
 - Multiple high-performance light emitting diodes emit highly bundled laser beams (blue light) via special optics on to a deflection mirror. The deflection mirror directs the laser light to a phosphorous membrane. There, by use of yellow phosphorous, a strongly illuminating white light is generated (as with LEDs) from the blue laser light.
 - The light generated by the laser headlight is a very white light.
 - Laser beams are not emitted by the laser headlight.
- With an almost 1969 feet (600 m) range, the additional laser high beam illuminates almost twice as far as the high beam from an LED headlight.
- When the high-beam assistant function is activated, the laser high beam is added to the high beam of the LED headlights above a driving speed of approx. 43 MPH (**70 km/h**).
- When the driving speed falls below 43 MPH, all high beam headlights are switched off with a lag; and immediately off when the driving speed falls below 37 MPH (60 km/h).

NOTE: When the vehicle is being operated while stationary (on a roller test stand), do not look into the light beam.

- It is not possible for the driver to manually switch the additional laser high beam on and off, as can be done with conventional high beams. This is true both when driving and when the vehicle is at a standstill.
- The laser warning label, for the class of laser in the headlights, is visible from the front of the

vehicle. It is a yellow triangle.

- The headlights are easy to identify because they have “BMW Laserlight” etched on the side.
- In the workshop, the additional laser high beam can only be switched on using a test module for roughly 1 sec with greatly reduced light intensity through the following path:

- 03 Body

- Lights

- Headlight LED

- Retrofit to add laser high beams to LED headlights is not available at this time.

WARRANTY INFORMATION

Not applicable.

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