



# BULLETIN

## BMW 1 series (F20) Model year: 2010 - 2015 Engine: N13 B16A

### Loss of coolant/coolant sensor

The above vehicles may experience a slow coolant loss due to a defective coolant sensor.

Troubleshooting coolant loss is often a complicated procedure, as some components are difficult to access. In order to perform a visual inspection on the sensor, proceed as follows (using the example of a 116i with manual transmission):

- Remove the floor paneling (engine/transmission; Figure 1)



Figure 1

- Remove the cross-strut (Figure 2)



Figure 2





- The coolant sensor is on the right, above the clutch bell (Figure 3)



Figure 3

- Use a mirror to check the position of the sensor/connector
  - Unlock and disconnect the connector (Figure 4)
  - Unlock the sensor (push the two locking tabs together) and pull it out
- Caution: Coolant will escape when you do this.



Figure 4

- Coolant leaks out through a crack in the coolant temperature sensor housing (Figure 5)



Figure 5