



## Technical Tip

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| <b>Topic</b>       | 37-18-02TT - Transmission Fluid Temperature Sensor - <b>G93</b> - Concerns |
| <b>Market area</b> | United States 444 Volkswagen of America, Inc. (6444)                       |
| <b>Brand</b>       | Volkswagen   |
| <b>Date</b>        | November 2, 2018   |

## Condition

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| <b>ATTENTION:</b>   |
| <b>THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.</b>        |
| <b>TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.</b> |

### Transmission Fluid Temperature Sensor -G93- Concerns

| Model(s)  | Year      | Eng. Code | Trans. Code                | VIN Range From | VIN Range To |
|---|-----------|-----------|----------------------------|----------------|--------------|
| Jetta, Golf, Sportwagen, Passat, Beetle, Beetle Convertible, Tiguan | 2006-2018 | All       | 6 Spd. Automatic (09G,09N) | All            | All          |

## Technical Background

Transmission fluid temperature sensor malfunction leading to increased throttle needed to maintain performance with possible decreased fuel economy.

## Service

If the transmission fluid temperature sensor has excessively low resistance, the Transmission Control Module (TCM) will falsely interpret a high transmission fluid temperature reading. This may not be a sufficient variance to set a fault code but will result in the torque converter clutch constantly attempting to lock up to reduce the fluid temperature. The driver will likely interpret this behavior as a lack of performance and react by applying more throttle, which may also lead to poor fuel economy.

To diagnose the issue:

- Check transmission fluid temperature in measured value blocks against the engine coolant temperature reading, after an overnight cold soak. They should read the same.

If transmission fluid temperature is significantly higher:

- The sensor is likely defective and should be replaced.

You also may see that the sensor reads consistently high and does not vary during a test drive. This sensor is often integrated into the valve body harness. See Elsa for replacement procedures.



## Additional Information

| <b>Revision History</b> |                      |                          |
|-------------------------|----------------------|--------------------------|
| <b>Revision Number</b>  | <b>Released Date</b> | <b>Reason For Update</b> |
| 2052847/2               | 11/3/18              | Metadata adjustment.     |
| 2052847/1               | 11/2/18              | Original publication.    |

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