

# SWAG 20 94 5032

**SWAG**<sup>®</sup>

To fit: MINI (R55, R56, R57, R58, R59, R60 and R61) - fitted with the 1.6-litre N16 engine.



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## Ignition coil

### Problem

- The 'check engine' or 'service engine soon' indicator lamp is illuminated.
- Misfire fault codes stored in the engine control unit: 277F, 277E, 277D, 277B, 2771, 2782, 2781, 2779, 2777, 2776, 2775, 2773, 2772, 2783, 277A.
- Poor, intermittent engine performance.

### Cause

The different materials used in the original ignition coil construction can deteriorate over time - leading to failure. This is due to the high temperature fluctuations during engine operation.

### Solution

Using a suitable diagnostic tool, begin the diagnosis by reading the misfire counter in the engine control unit functions. This will likely indicate the faulty ignition coil.

It is advised that - since the remaining ignition coils have been subjected to the same operating conditions - it will be necessary to replace all four ignition coils to ensure the best customer-focused repair.

Should the misfire faults or the poor intermittent engine performance continue, carry out further diagnosis as recommended.

For more technical information please visit: [partsfinder.bilsteingroup.com](https://partsfinder.bilsteingroup.com)