Ignition Coil Housing Cracked (58/12)

Information
This Technical Information replaces the TI dated July 7, 2014.

Changes/additions compared to the previous Technical Information:

- A reference to additionally required components and the adapted procedure was added under 'Action Required'.

- In the 'Action Required' section, the reference to and illustration for the designation "EM 10" have been omitted (this designation is no longer used).

This section now includes information about modified fastening screws.

- In the "Parts Info." section, the part numbers have been updated (without the "EM 10" designation).

- The 'Procedure' section has been omitted.

- A separate 911 Turbo/911 GT2 (997) section was added.

Information
Now modified fastening screws (Part No. 900.385.025.01) with Tightening torque 10 Nm (7.5 ft lb.) must be used for installing the new ignition coils.

Sections:
This bulletin is divided into the following vehicle types, please locate the appropriate section accordingly.

- 911 Carrera (996) series – 1st generation
- 911 Carrera (996) series – 2nd generation
- Boxster (986) series
- Boxster/Cayman (987) series
- Carrera (997) series – except 911 Turbo/911 GT2 (997)
- 911 Turbo (997)/911 GT2 (997)
- 911 Turbo (997)/911 Turbo S (997)

Model Year:
As of 1997 up to 2013

Vehicle Type:
Carrera (996) series – 1st generation

Engine Type:

<table>
<thead>
<tr>
<th>Model line:</th>
<th>Model year:</th>
<th>Engine type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrera (996)</td>
<td>1998</td>
<td>M96.01</td>
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</tbody>
</table>
Concerns:

Ignition coil

Procedure for replacing faulty ignition coils.

Cracks in the ignition coil housing (⇒ Figure 1) can cause corrosion, which can result in a rough-running engine and misfiring.

![Figure 1](image)

Action Required:

If at least one ignition coil is diagnosed as faulty (see damage comparison ⇒ Figure 1), all ignition coils must be replaced.

**Information**

New **modified fastening screws** (Part No. 900.385.025.01) with **Tightening torque 10 Nm (7.5 ft-lb)** must be used for installing the new ignition coils.

1. Replace ignition coils, see ⇒ Workshop Manual '282019 Removing and installing ignition coil'.

2. **When fitting the two heat shields** (already used; ⇒ Figure 2 -item A-):

   For each side of each heat shield:
   - two new, **longer screws** (Part No. 900.075.333.01, M6 x 25, ⇒ Figure 2 -item C-)
   - A **washer** (Part No. 999.025.220.30, 5 mm thick, ⇒ Figure 2 -item B-)
   - a **washer** (Part No. 999.025.193.30, 3 mm thick, ⇒ Figure 2 -item B-)

The two new washers (5 mm and 3 mm) must be fitted together between the heat shield and cylinder head ⇒ Figure 2 -item B-) and will ensure a sufficient distance between the ignition coil and heat shield.

**End** of action required.
Figure 2

- **NEW** => Ignition coil
- Ignition coil with designation "EM 10" (no longer used; no longer available)
- Screw (4 ea. required; M6 x 25)
- Washer (4 ea. required; 3 mm)
- Washer (4 ea. required; 5 mm)

References: => Workshop Manual '282019 Removing and installing ignition coil'
Information
This Technical Information replaces the TI dated July 7, 2014.
Changes/additions compared to the previous Technical Information:

- A reference to additionally required components and the adapted procedure was added under 'Action Required'.
- In the 'Action Required' section, the reference to and illustration for the designation "EM 10" have been omitted (this designation is no longer used).
- This section now includes information about modified fastening screws.
- In the "Parts Info." section, the part numbers have been updated (without the "EM 10" designation).
- The 'Procedure' section has been omitted.
- A separate 911 Turbo/911 GT2 (997) section was added.

Information
New modified fastening screws (Part No. 900.385.025.01) with Tightening torque 10 Nm (7.5 ft.lbf.) must be used for installing the new ignition coils.

Vehicle Type: 911 Carrera (996) series – 2nd generation

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<thead>
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<th>Model line:</th>
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<tr>
<td></td>
<td>Carrera (996 2nd gen.)</td>
<td>2002 - 2005</td>
<td>M96.03</td>
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Concerns: Ignition coil

Information: Procedure for replacing faulty ignition coils.
Cracks in the ignition coil housing (⇒ Figure 1) can cause corrosion, which can result in a rough-running engine and misfiring.

Figure 1
If at least one ignition coil is diagnosed as faulty (see damage comparison ⇒ Figure 7), all ignition coils must be replaced.

**Information**

New modified fastening screws (Part No. 500.385.025.01) with Tightening torque 10 Nm (7.5 ft.lbf.) must be used for installing the new ignition coils.

**Parts Info:**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>997.602.104.02</td>
<td>NEW ignition coil</td>
</tr>
<tr>
<td>997.602.104.00</td>
<td>Ignition coil with designation &quot;EM 10&quot; (no longer used; no longer available)</td>
</tr>
</tbody>
</table>

**References:**

⇒ Workshop Manual 282019 Removing and installing Ignition coil

**Information**

This Technical Information replaces the TI dated July 7, 2014.

**Changes/additions** compared to the previous Technical Information:

- A reference to additionally required components and the adapted procedure was added under 'Action Required'.
- In the 'Action Required' section, the reference to and illustration for the designation "EM 10" have been omitted (this designation is no longer used). This section now includes information about modified fastening screws.
- In the 'Parts Info.' section, the part numbers have been updated (without the "EM 10" designation).
- The 'Procedure' section has been omitted.
- A separate 911 Turbo/911 GT2 (997) section was added.

**Vehicle Type:**

Boxster (986) series  
Boxster/Cayman (987) series  
911 Carrera (997) series – except 911 Turbo/911 GT2 (997)

**Engine Type:**

<table>
<thead>
<tr>
<th>Model line</th>
<th>Model year</th>
<th>Engine type</th>
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<tbody>
<tr>
<td>Boxster (986)</td>
<td>1997 - 1999</td>
<td>M96.20</td>
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<tr>
<td>Boxster (986)</td>
<td>2000 - 2002</td>
<td>M96.21 / M96.22</td>
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<tr>
<td>Boxster (986)</td>
<td>2003 - 2004</td>
<td>M96.23 / M96.24</td>
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<tr>
<td>Boxster (987)</td>
<td>2005 - 2006</td>
<td>M96.25 / M96.26</td>
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<td>Carrera (997)</td>
<td>2005 - 2008</td>
<td>M96.05</td>
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</table>
Concerns: Ignition coil

Information: Procedure for replacing faulty ignition coils.
Cracks in the ignition coil housing (⇒ Figure 1) can cause corrosion, which can result in a rough-running engine and misfiring.

![Figure 1]

Action Required: If at least one ignition coil is diagnosed as faulty (see damage comparison ⇒ Figure 1), all ignition coils must be replaced.

Information
New modified fastening screws (Part No. 900.385.025.01) with Tightening torque 10 Nm (7.5 ft lb.) must be used for installing the new ignition coils.

Part Nos.:
- 997.602.104.02 — NEW ⇒ ignition coil
- 997.602.104.00 ⇒ ignition coil with designation "EM 10" (no longer used - no longer available)
- 997.602.107.02 — NEW ⇒ ignition coil
- 997.602.107.00 ⇒ ignition coil with designation "EM 10" (no longer used - no longer available)

References:
⇒ Workshop Manual '282019 Removing and installing ignition coil"
Information
This Technical Information replaces the TI dated 30 July 2012.
Changes/additions compared to the previous Technical Information:

- In the 'Action Required' section, particular information about using the ignition coil with the designation "EM 10" is provided only for 911 Turbo vehicles.
- Information about modified fastening screws and allocation of ignition coils added.
- The 'Procedure' section has been omitted.

Vehicle Type: 911 Turbo (997)/911 GT2 (997)

Engine Type:

<table>
<thead>
<tr>
<th>Model line</th>
<th>Model year:</th>
<th>Engine type:</th>
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</thead>
<tbody>
<tr>
<td>911 Turbo (997)</td>
<td>2007 - 2011 (B)</td>
<td>M97.70</td>
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<tr>
<td>911 GT2 (997)</td>
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<td>911 GT2 RS (997)</td>
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Concerns: Ignition coil

Information:
Procedure for replacing faulty ignition coils.
Cracks in the ignition coil housing (⇒ Figure 1) can cause corrosion, which can result in a rough-running engine and misfiring.

Figure 1

Action Required: In the event of a complaint about a rough-running engine and misfiring, the ignition coils must be checked visually for signs of damage.

If at least one ignition coil is diagnosed as faulty (see damage comparison ⇒ Figure 1), all ignition coils must be replaced.
Information

Five new ignition coils with Part No. 997.602.104.02 must be installed only on cylinders 1 to 5.

A new ignition coil with Part No. 997.602.104.00 and the designation "EM 10" must be installed on cylinder 6.

For installing the new ignition coils, new modified fastening screws (Part No. 900.385.025.01) must be used on cylinders 1 to 5 and tightened to Tightening torque 10 Nm (7.5 ft lb).

Before removing and installing the ignition coils, particularly on cylinder 3, the engine must be lowered, see Workshop Manual ⇒ Workshop Manual 103019 Removing and installing engine carrier, but the engine carrier must not be removed.

Parts info:

- **NEW** ⇒ Ignition coil (only use for cylinder 1 to 5 if required)
- ⇒ Ignition coil with designation "EM 10" (only use for cylinder 6 if ignition coil needs to be replaced – still only available for 911 Turbo/GT2)
- 900.385.025.01 ⇒ Fastening screw (10 ea., required – only when replacing the ignition coils on cylinder 1 to 5)

References:

⇒ Workshop Manual 282019 Removing and installing ignition coil

Information

This Technical Information replaces the TI dated 30 July 2012.

Changes/additions compared to the previous Technical Information:

- The 'Action Required' section only contains particular information for 911 Turbo vehicles.
- 1-information about modified fastening screws added.
- The 'Procedure' section has been omitted.

Vehicle Type: 911 Turbo (997)/911 Turbo S (997)

Engine Type:

<table>
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<tr>
<th>Model line</th>
<th>Model year:</th>
<th>Engine type:</th>
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<tbody>
<tr>
<td>911 Turbo (997)</td>
<td>2010 - 2013</td>
<td>MA1.70</td>
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<tr>
<td>911 Turbo S (997)</td>
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Concerns: Ignition coil

Information: Procedure for replacing faulty ignition coils.
Cracks in the ignition coil housing (⇒ Figure 1) can cause corrosion, which can result in a rough-running engine and misfiring.

**Figure 1**

**Action Required:**

In the event of a complaint about a rough-running engine and misfiring, the ignition coils must be checked visually for signs of damage.

If at least one ignition coil is diagnosed as faulty (see damage comparison ⇒ Figure 1), all ignition coils must be replaced.

**Information**

New **modified fastening screws** (Part No. 900.385.025.01) with **Tightening torque 10 Nm (7.5 ft.lbf.)** must be used for installing the new ignition coils.

**Parts Info:**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Quantity</th>
<th>Required</th>
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</thead>
<tbody>
<tr>
<td>997.602.104.02</td>
<td>NEW → Ignition coil (6 ea.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>900.385.025.01</td>
<td>NEW → Fastening screw (12 ea.)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**References:** ⇒ Workshop Manual '282019 Removing and installing ignition coil'