

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 **I-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 ftlb.)** 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:

Model line:	Model year:	Engine type:
Carrera (996)	1998	M96.01

Carrera (996)	1999	M96.01 / M96.02
Carrera (996)	2000 - 2001	M96.01 / M96.02 / M96.04

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 ftlb.)** 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-*) must be used.
- A **washer** (Part No. 999.025.220.30, **5 mm thick**; ⇒ *Figure 2-item B-*) must be used for each screw **and**
- **a washer** (Part No. 999.025.193.30, **3 mm thick**; ⇒ *Figure 2-item B-*) must also be used.

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.

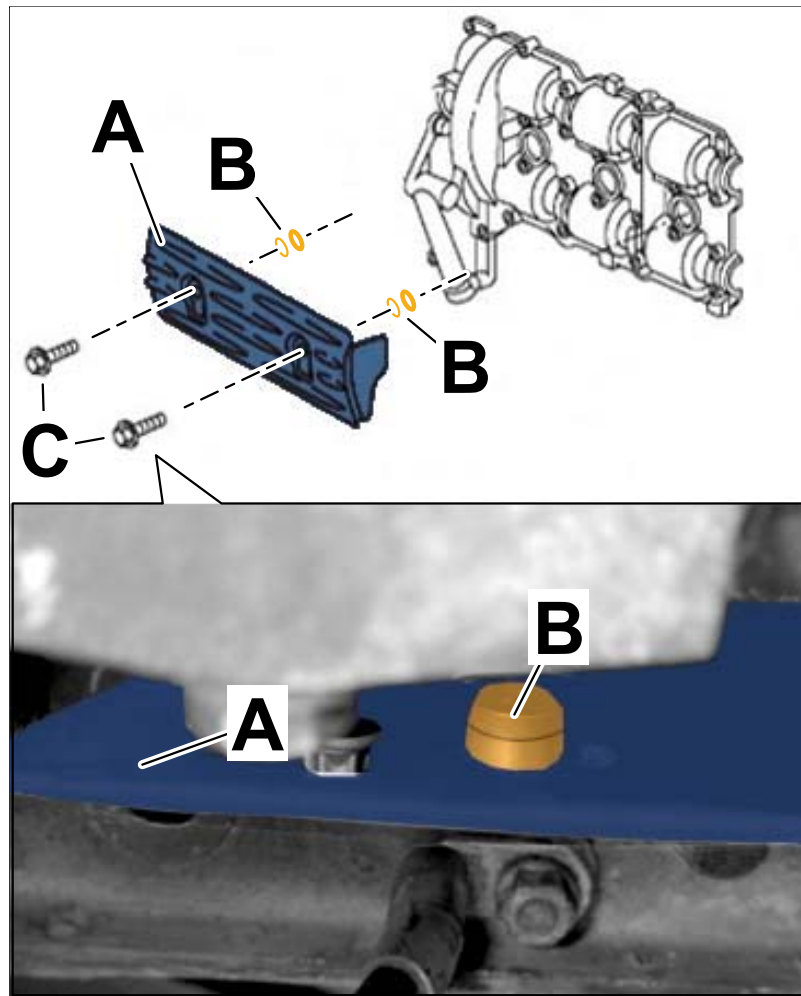


Figure 2

Parts Info:	997.602.107.02	— NEW — ⇒ Ignition coil
	997.602.107.00	⇒ Ignition coil with designation "EM 10" (no longer used - no longer available)
	900.075.333.01	⇒ Screw (4 ea. required; M6 x 25)
	999.025.193.30	⇒ Washer (4 ea. required; 3 mm)
	999.025.220.30	⇒ Washer (4 ea. required; 5 mm)

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

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This section now includes **I-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 ftlb.)** must be used for installing the new ignition coils.

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

Engine Type:

Model line:	Model year:	Engine type:
Carrera (996 2nd gen.)	2002 - 2005	M96.03

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 ftlb.)** must be used for installing the new ignition coils.

Parts Info: 997.602.104.02 — **NEW** — ⇒ Ignition coil
 997.602.104.00 ⇒ Ignition coil with designation "EM 10" (no longer used - no longer available)

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



Information

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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 **I-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:

Model line:	Model year:	Engine type:
Boxster (986)	1997 - 1999	M96.20
Boxster (986)	2000 - 2002	M96.21 / M96.22
Boxster (986)	2003 - 2004	M96.23 / M96.24
Boxster (987)	2005 - 2006	M96.25 / M96.26
Carrera (997)	2005 - 2008	M96.05

Concerns: **Ignition coil**

Information: **Procedure for replacing faulty ignition coils.**

Cracks in the ignition coil housing (\Rightarrow *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 \Rightarrow *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 ftlb.)** must be used for installing the new ignition coils.

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

References: \Rightarrow *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.
- ▶ **I-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:

Model line:	Model year:	Engine type:
911 Turbo (997) 911 GT2 (997) 911 GT2 RS (997)	2007 - 2011 (B)	M97.70

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 ftlb.)**.

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:	997.602.104.02	— NEW — ⇒ Ignition coil (only use for cylinder 1 to 5 if required)
	997.602.104.00	⇒ 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	— NEW — ⇒ 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.
- ▶ **I-information about modified fastening screws** added.
- ▶ The 'Procedure' section has been omitted.

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

Engine Type:

Model line:	Model year:	Engine type:
911 Turbo (997) 911 Turbo S (997)	2010 - 2013	MA1.70

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 ftlb.)** must be used for installing the new ignition coils.

Parts Info: For engine type: **MA1.70**

997.602.104.02 — **NEW** — ⇒ Ignition coil (6 ea. required)

900.385.025.01 — **NEW** — ⇒ Fastening screw (12 ea. required)

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

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