



Glow Plug Trouble Is Free



They are two types of the glow plugs ceramic and metallic. A ceramic glow plug has probe made from high performance ceramics instead of a metallic sheath. The ceramic glow plugs can reach temperatures 1000 C higher than metallic glow plug. On the glow plug you find insulating sleeve to eliminates risk of short circuit. Coated shell and terminal for exceptional corrosion resistance followed by composite rubber seal to maintain precise, reliable seal to protect the coil from air corrosion. The magnesium oxide coil insulation densely compacted powder gives exceptional electrical insulation. You find regulating coil controlling the temperature rise to give fasted possible warm up. The heat resistant alloy sheath absolute reliability even in extreme conditions. There is laser welded connection between coils guarantees precise location of coils in sheath and resists vibration damage. The most important is heating coil, fast starting in cold conditions maintaining high temperature after the engine start-up for reduced emissions. The end is reduced tip providing higher thermal efficiency for improved performance. There are the glow plug trouble if you want to compare your car plugs to this once.

 <p style="text-align: center;">Destroyed /</p> <p>Lacking Probe Tip: The cause of this type of problems is . Ignition unit failure. Incorrect/Irregular fuel jet direction.. Incorrect number or size of sealing causing incorrect spraying position.The remedyfor this symptom is. Check the correspondence of ignition unit with the car type and proper installation of the ignition unit.</p> <p>. Check the glow plug installation hole for carbon fouling.</p>	 <p style="text-align: center;">Dimples On The</p> <p>Probe Tip : Is caused from. Ignition failure. Incorrect /irregular fuel jet direction.. Incorrect number or size of sealing causing incorrect spraying position.Remedyfor this symptom is. Check the correspondence of ignition unit with the car type and proper installation of the ignition unit.</p> <p>. Check the glow plug installation hole for carbon fouling.</p>
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Broken Probe Tip

When the glowing time too long or the voltage to high to 12v glow plug used in the 24v system or vice versa. On other side can be caused by the alternator & regulator failure.

Your **remedy** to this problem is to check glow plug regulator contact/ Check on board voltage and glow plug voltage/ Check also charging system voltage.



Swollen Probe Tip

When the glowing time too long or the voltage to high to 12v glow plug used in the 24v system or vice versa. On other side can be caused by the alternator & regulator failure. Also caused by inappropriate storage moisture.

The **remedy** for this type of symptoms are as follow: Check on board voltage and glow plug operation voltage/ Check charging system and storage conditions.



Bulging Ring On

The Probe Tip

Caused by oil in the combustion chamber

(Probable cause: Car engine wear).

Remedy for the cause is: you need to:

. Check piston tightness in the engine cylinders.

Check engine oil consumption.



Probe Deformation

(Due To Overheating)

That is caused by ignition failure. Incorrect irregular fuel jet direction. Incorrect number or size of sealing causing incorrect spraying position. Glowing time too long or excessive voltage to 12v the glow plug used in 24v system or vice versa.

Alternator & regulator failure. Injection unit operating timing failure.

The **remedy** for your glow plugs is:

. Check the correspondence of the ignition unit with the car type & proper installation of the ignition unit . Check glow plug installation hole for carbon fouling . Check glow plug regulator (Contact). Check on board voltage and glow plug voltage . Check charging system voltage . Check fuel injection timing.



Lacking Probe

Is Caused by:

- . Ignition unit failure
- . Incorrect irregular fuel jet direction
- . Incorrect number or size of sealing causing incorrect spraying position
- . Injection unit operating timing failure.
- . Damaged glow plug installation hole thread in the cylinder head / not tightened glow plug causing incorrect plug sealing.

The **remedy** to this causes are:

- . Check the correspondence of the ignition unit with the car type & proper installation of the ignition unit.
- . Check glow plug installation hole thread in the cylinder head for damage/ carbon fouling.
- . Check ignition pump timing.



Carbon Fouling Between The Glow Plug Body And The Probe.

The **causes** of this symptom is:

- . Ignition unit failure
- . Incorrect irregular fuel jet direction
- . Incorrect number or size of sealing causing incorrect spraying position.



Probe Perforation, Fissure Or Melting Close To The Glow Plug Body

The **causes** are:

- . Ignition unit failure
- . Incorrect irregular fuel jet direction
- . Incorrect number or size of sealing causing incorrect spraying position
- . Injection unit operating timing failure.
- . Damaged glow plug installation hole thread in the cylinder head / not tightened glow plug causing incorrect plug sealing.

Your **remedy** to all this causes is:

- . Check the correspondence of the ignition unit with the car type & proper installation of the ignition unit.
- . Check glow plug installation hole thread in the cylinder head for damage/ carbon fouling.



Carbon Fouling In The Glow Plug Seat

This is is the most common **cause**:

- . Incorrect glow sealing.

Remedy for the cause is:

. Ignition pump operation/timing failure.

There are **remedies** for this problems:

. Check the correspondence of the ignition unit with the car type & proper installation of the ignition unit.

. Check glow plug installation hole thread in the cylinder head for carbon fouling.

. Check ignition pump and its timing.



Probe In Contact With The Glow Plug Body:

Is caused by:

. Tightening torque too high.

. Inappropriate tool used or damaged of the cylinder head hole thread.

The **remedy** is

. Check the cylinder head hole thread for damage/ carbon fouling.

. Check correct glow plug tightening.



Damaged Glow Plug

. Check glow plug installation hole for carbon fouling.

. Check correct tightening of the glow plug.



Power Supply

Terminal Bent:

The **causes** for this problem is

. Tightening torque too high.

. Inappropriate tool used or damaged of the cylinder head hole thread.

Your **remedy** to this problem is

. Check the cylinder head hole thread for damage/ carbon fouling.

. Check correct glow plug tightening.



Power Supply

Terminal Broken Off:

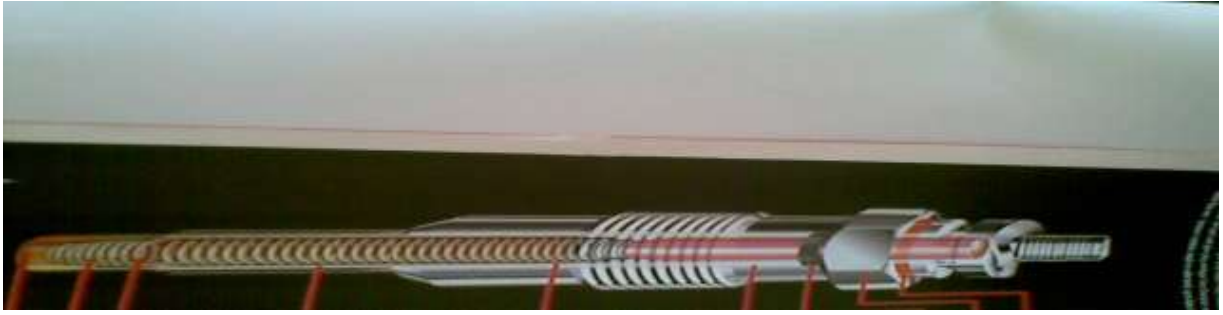
This is the **causes** for this type of symptoms

. Tightening torque too high

. Inappropriate tool used or damage of the cylinder head hole thread.

<p>Hexagon Thread</p> <p>The cause is:</p> <ul style="list-style-type: none"> . Tightening torque too high . Inappropriate tool used or damage of the cylinder head hole thread. <p>There are remedies</p> <ul style="list-style-type: none"> . Check glow plug installation hole thread in the cylinder head for carbon fouling. . Check correct glow plug tightening <p>You can also find other causes like this once:</p> <ul style="list-style-type: none"> . Ignition unit failure . Incorrect irregular fuel jet direction . Incorrect number or size of sealing causing incorrect spraying position .Glowing time too long . Ignition pump operation/timing failure. <p>The remedy is to:</p> <ul style="list-style-type: none"> . Check the correspondence of the ignition unit with the car type & proper installation of the ignition unit. . Check glow plug installation hole thread in the cylinder head for carbon fouling. . Check glow plug regulator (Contact). . Check ignition pump and its timing. 	<p>When is come to remedy is</p> <ul style="list-style-type: none"> . Check glow plug installation hole thread in the cylinder head for carbon fouling. . Check correct glow plug tightening
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