

Mitsubishi 4D56

Glow Plug Fitting Instructions

Preparation and removal

This guide reflects PajeroShop practical experience and supplements the applicable Mitsubishi workshop instructions. It is not an official Mitsubishi document.

1 Confirm the correct glow plugs

Confirm that the replacement glow plugs are correct for your vehicle's engine and glow-control system, including their voltage specification. Do not assume that all 4D56 engines use the same glow plugs.

2 Prepare for tight or corroded plugs

Old glow plugs can become very tight or corroded in the aluminium cylinder head. Excessive force can damage the threads or break a plug, making replacement considerably more difficult.

3 Apply penetrating oil

Before attempting removal, apply a suitable penetrating/release oil around the base of each plug and allow sufficient time for it to work.

WD-40 or a similar penetrating/release product can be used. For particularly stubborn components, our preferred option is **Innotec Deblock Oil XS Extra Strong Penetration Oil**. It costs more, but in our experience it is particularly effective.

Follow the oil manufacturer's instructions, especially regarding application to hot surfaces.

4 Prepare the engine and access

Warming the engine before removal can help loosen tight plugs. Switch the engine off before working, take care around hot components, and disconnect the battery before removing the glow-plug electrical connections.

Clear dirt from around the plugs before removal and keep debris out of the exposed openings. Ensure sufficient access to keep the socket and extension aligned straight with each plug. Avoid sideways pressure.

Removal and refitting

5 Ease the old plugs out gently

Use controlled hand pressure. Avoid impact tools and excessive leverage.

If a plug starts to unscrew and then becomes tight, **do not force it**. Work it gently backwards and forwards with more penetrating oil, gradually increasing movement as it frees up.

Observe any removal-torque limit specified by the glow-plug manufacturer. If a plug remains stubborn, stop and seek professional assistance before it breaks.

6 Start replacement plugs by hand

Start each replacement plug carefully by hand to avoid cross-threading. If it does not turn freely, stop and check its alignment.

Do not apply grease or anti-seize to the new plug threads unless the applicable manufacturer's instructions specify it.

7 Tighten to the correct specification

Use a torque wrench and follow the tightening specification applicable to your particular 4D56 engine and glow plugs.

The electrical terminal nuts have a separate tightening specification. Take care not to overtighten them.

8 Complete the refitting

Refit the electrical connections and any components removed for access according to the applicable workshop instructions.

CHECK THE APPLICATION-SPECIFIC TORQUE

No universal 4D56 torque figure is given in this guide. Confirm the correct specification for your vehicle and glow plugs before fitting. Do not assume the 4M40 specification applies.