

Removing seized nuts near fuel lines

When faced with the problem of removing a rusted, frozen nut or bolt in an inaccessible space, near a fuel line, the traditional approach of using an Oxy-Acetylene torch is not recommended. Using a torch in a confined space vastly increases the consequential fire risk. Safely removing inaccessible, corroded nuts and bolts can be easily and quickly done with a Mini-Ductor Induction Heating tool.

The plastics, wiring, trim and fumes around the part to be removed can catch fire, causing potentially costly damage to the vehicle, and possibly your garage. The induction heater uses an induced current to quickly heat ferrous, and some non-ferrous metal, providing a safe and viable alternative to using a naked flame. Some parts can be also be reused as the heating is localised on the part and not the surrounding area, therefore creating less collateral damage.

Bendable coils on the Mini-Ductor provide access to hard-to-reach nuts and bolts near fuel lines, plastic components, or any other part that may be damaged by excess heat.

The Mini-Ductor is supplied with 3 bendable coils, ideal for getting into awkward areas and thin enough to wrap round the nut and heat it in seconds for easy removal. For example, a 19mm nut is heated red hot in 15 seconds. The heat expands the nut and breaks down any corrosion bonds.

Before using the Mini-Ductor, a few bits of equipment will be needed: Heat resistant gloves, overalls, goggles and a respirator mask (if smoke will be produced from heating). Also, it is recommended that you are completely proficient with the tool, how it works, and all safety and operating instructions before you begin heating any component.



Step 1 Make sure fuel lines are not leaking or creating a vapour.
Step 2 Select the correct Coil. Coils come in various sizes. Bend the coil to the correct shape for ease of use. **Warning:** Do not use coils with breaches in the insulation.



Step 3 Tighten the coil firmly to the Mini-Ductor.
Step 4 Only heat the nut enough to expand and loosen. Red hot is too hot!
Step 5 Select correct tools, such as a spanner, to loosen nut. Caution: Remove nut whilst still hot
Step 6 The nut is safely removed.

