EVERYTHING YOU MIGHT NEED FROM A SINGLE SOURCE

Solder CONNECTION

Electronics & Industrial Soldering Solutions

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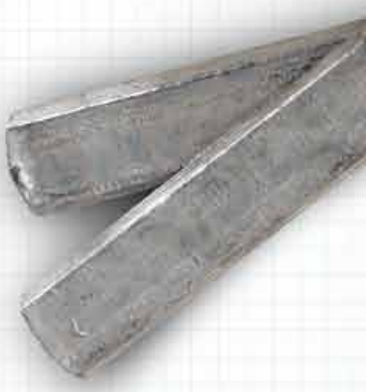
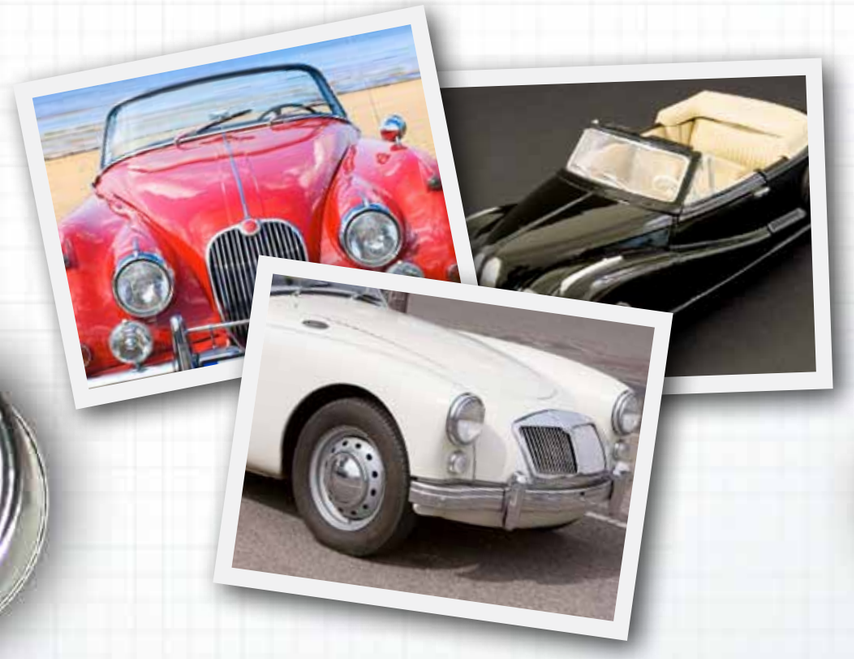
SOLDERING MATERIALS FOR CAR REPAIR AND RESTORATION

Classic, veteran and vintage automobiles





SOLDERING MATERIALS FOR CAR REPAIR AND RESTORATION

Classic, veteran and vintage automobiles

'Body soldering', also known as 'lead loading' and 'lead wiping', is the traditional method of repairing car bodies. It involves the deposition of solder (not pure lead) onto body panels to fill dents and bridge holes, before final finishing.

Although plastic fillers are now commonplace in body shops, for classic, vintage and veteran vehicles, body soldering remains the preferred option.... Why?

1. Solders have much better ductility and strength characteristics than plastic fillers
2. Solder is waterproof, plastic fillers are not
3. Solders will not delaminate on further impact whereas plastic fillers can.
4. Body soldering is in the purist tradition.

The Solder Connection has been providing soldering solutions for over 20 years and has unparalleled experience and expertise.

There are several different methods of applying body solder but all agree that it is an art to be learned through practice although the fundamental steps are:

1. Remove paint and oxides from area to be repaired and apply solder paint.
2. Heat with a gas torch and when fused wipe away flux residues to leave tinned surface
3. Heat the repair area until the steel is hot enough to melt the solder. "Puddle" body solder into the repair area.
4. Maintain heat while shaping the solder with a wooden tool or plumbers' moleskin.
5. Shape the repair by manual filing and sanding wearing suitable dust protection. Do not be tempted to use power tools.

While many steer away from solder repairs to stainless steel and aluminium, the Solder Connection also supplies the advanced fluxes that simplify the soldering of these materials.

Solder Paint

Solder paint is the ideal material to ensure the high solderability of a substrate. The product, when heated, forms an inter-metallic layer that is highly receptive to the body solder to be applied.

Fryolux Solder Paint T1333 40/60

Used for tinning the area to be solder filled and has a very useable "plastic" range when compared with traditional 60/40 paints which may be too fluid. It will solder most materials; copper and brasses used in lights, right up to freshly cleaned mild steel body panels. (Not Stainless, Aluminium or Zinc.) Frylux Solder Paint T1333 40/60 is Zinc Chloride activated and should be post cleaned completely with water after the soldering process is complete, to avoid potential long term corrosion.

Available in 125gm and 500gm bottles

Flyolux 500gm

Soldering Flux

Soldering flux assists the deposition of body solder and ensures that both solder and substrate are in prime condition to form an outstanding bond and remove the possibilities of blow holes and surface imperfections.

Fluxite Paste

Fluxite is a traditional grease paste flux. It can be brushed onto the sub-strate surface and will adhere to the solder stick prior to applying the heat. Fluxite is also Zinc Chloride activated and residues require removal when the soldering process is complete.

Available in 100gm and 450gm containers

Fluxite 450gm

Bakers No. 3 Soldering Fluid

This water based liquid flux is highly effective and many consider it easier to apply than grease-like alternatives. It can be used successfully to solder all yellow metals and cleaned mild steel but should not be used on Stainless Steel, Zinc or Aluminium. Again, the product is Zinc Chloride activated and requires post process cleaning with water.

Available in 125ml and 250ml bottles

Baker's Soldering Fluid No.3 125ml

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Aluflux

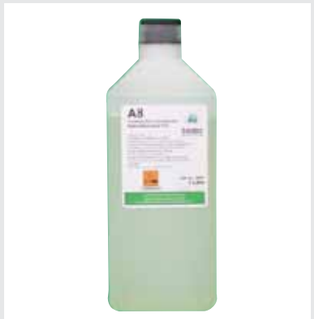
Formulated for aluminium soldering, Aluflux is a paste type flux that gives outstanding results because of its ability to overcome the rapid formation of the aluminium oxide layer. It is designed to be used along with Fryal, a 'rubbing alloy' (sometimes referred to as an 'abrasive alloy') based on Tin/Zinc.
A bodyshop essential for those working on aluminium or aluminium /alloys body vehicles.
Available in 150gm pots

Aluflux 150gm

A8 Stainless Steel Flux

Designed for the effective soldering of stainless steel, zinc and nickel, A8 flux is a highly active liquid formula that is Acid activated. Soldering stainless steel used to be problematic before the introduction of A8 flux.

Available in 1lit & 5lit containers



A8 Flux 1 litre

Solder Metals

All solder metals provided by the Solder Connection are high purity materials to assist in the formation of a dependable bond. Lead based solders should be shaped by filing and hand sanding Power sanding / grinding techniques should never be used.

60/40 Tinman's Sticks

Solder that is made of 60% tin and 40% lead with a small plastic range of 5°C (183°C to 188°C) Because of this narrow plastic range, this solder works best on horizontal surfaces.

4 sticks weigh approx 1kg

Tinman's sticks

27/73 Body Solder

27/73 Body Solder is a high lead alloy that works well on both horizontal and vertical surfaces. This solder's spreadable (plastic) range is 183°C to 260°C making it much more 'workable' on vertical surfaces and less likely to liquefy quickly.

Bar weight approx 500 g

Body Solder

Fryal

A 'rubbing alloy' (sometimes referred to as an 'abrasive alloy') based on Tin/Zinc. A bodyshop essential for those working on aluminium and aluminium / alloy body vehicles.

Stick weight approx 250 g

Fryal