



PROCESS FOR BODYWORK REPAIR

TECHNICAL INFORMATION



SCARLESS RECOVERY





« FROG'S AIR PROCESS »

“ A silent process that makes a lot of noise “

Why and how are you using pneumatic hoses, air cushions and heated elements to recover car body parts?

1) Easy to use :

- The pneumatic hoses can be easily slipped inside any hollow body parts.
- Any reinforced panels or bearing areas can be used as bearing points.
- The air cushion will position itself and mold with all the surrounding shapes to operate as a **pneumatic actuator**, once inflated.
- The application point is located at the rear end of the **air cushion** (on any existing or separate bearing bar), the front end will progressively push the air cushion forward to recover the primary shape of the body part.
- Since the air cushions are pressure controlled, it is always possible to increase **air pressure** using little taps, when the part does not fully recover its initial camber.

2) To recover the body part with no damage on the coated surface (paint, primer, galvanised or electrozinc plated coating).

When using the « **FROG'S** » process, the metal sheet :

- Thickness has remained exactly the same
- Has not been exposed to high temperatures
- Has not been welded

3) To preserve the original yield property of the part and its passive safety.

Passive safety will be preserved because there has been no alteration in the body part initial properties.



4) To prevent repaired parts from corrosion:

When the welding technique is used, the internal panel of **the metal sheet must be bared** and the risks of corrosion are high.

When using the « FROGS » process, there is no risk of corrosion, furthermore the electronic parts are not exposed to **electrical shocks**.

5) When using the « FROGS » process, you will have access to any remote areas that could not be reached by the hand of the mechanic before:

- Example : element of great length :

The air cushion and the pneumatic hose can be introduced through the rear light fixture in order to repair the wing.

6) No added damages.

When using the « FROGS » process, no additional damages will occur on the body part whereas using another technique will always result in additional deformations.

7) Better vision of the work to be done.

Since the mechanic has first recovered the part, he can now better use his visual skills to determine which area on the part requires sanding.

Avoid using coarse grain **sanding machines**. It is not required any longer.

The finishing will be performed with suitable hand tools designed by « **FROG'S AIR PROCESS** ».

8) Saving money and better health.

- Decrease electricity consumption
- Less products to be used : no primer, no sandpaper, no coating, no varnish, no galvanisation products.

NO DUST, NO POLLUTION !.

9) Increases the range of services that can be offered to the client .

It is now possible to offer your client a broad range of services from low to very high technicity with incredible results.

Today, the « FROG'S » process is suitable for **any types or shapes of vehicles**.



10) Better Safety.

- No risk due to welding
- No shock
- No noise
- No human strength required, no back problems, etc....

11) More money saved !

GARAGE INTERVENTION and **DOWNTIME** are reduced.

12) IMPORTANT NOTICE:

The **FROG'S process** can easily be coupled with another technique such as **joint welding** and can be used with any material including aluminum.