

# **VG** Auto Paints & TOOLS

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## **WE HAVE EVERYTHING YOU NEED**

### **Dent Repair Notes**



**CONCEPT PAINTS** **NO MIX** **KC TOOLS**

**POR 15 GELSON** **SEPTONE**

**RUPES by Stik** **NORTON**

**DEVILBISS** **Farécla**  
world-class surface finishing

**iwata** **IMPA**

**GPI** **easy beat**  
QUALITY WELDING SYSTEMS

**AEG CAM 3M**



## Repairing dents in car panels

- Sand back repair area with 150grit Paper
- Use a nikki/filler to fill the dent

**\*Tip**

Using a better quality filler has the advantage of being easier to sand and is able to stick to 2K primer.

Normal filler will only adhere to bare metal so it requires more sanding.

Nikki to hardener ratio is 10:1

- Sand back with orbital sander using 36 grit paper down to bare metal
- Clean up with Wax & Grease remover, wipe on with a rag, wipe off with a clean rag. \*do not use thinners.
- Sand area with 120 grit to smooth area and smooth out the edges of the repair.
- Mix up filler, this can be done on an Onion board, or a piece of sheet metal or glass. Mix the hardener fully into the filler.

**\*Tip**

To much hardener and the filler will go off too quickly.

- Apply the filler and fill over the dent, also feather edges (smooth) this makes it easier to sand. With a plastic or metal applicator

**\*Tip**

Clean up filler board and applicator with thinners asap for next use.

- Use a Cheese file on larger repairs, use before filler sets properly (when its cheesy) If it goes off it will be too hard to file. Max depth of repair is 20mm when using filler.
- For plastic bumper bars the procedure is the same but use a plastic filler
- Use 80 grit paper with a block, to sand filler down. The bigger the repair the bigger the block. Be sure to rub down to the required shape of the panel.
- Feel the repair with your whole hand held flat to make sure the repair is ok.
- Use 120 grit, or go straight to 240 grit, this will smooth out the filler and remove grooves from the 80 grit

## Repairing A Scratch in Paintwork.

- Sand down the scratch to bare metal and feather/smooth the edges out. Do not leave any hint of the scratch
- Use Moroon Scotch Brite Pad to finish off.
- Mask up areas not to be painted.

**\*Tip**

When masking up stick down the paper with tape and then fold the paper over the tape. This will give you a soft edge. Mask up to an existing line or crease in the panel to prevent an edge from showing.

- Spray 2 to 3 even coats of 1K etch primer. Mixed at a ratio of 1:1 with Multi thinners
- Prepare the Spray Putty, mix with 20% multi thinners.
- Using a 3.5mm spray gun apply 3 coats waiting about 10 minutes between coats. Waiting 10 minutes between coats will prevent pinholes and sink back.
- Use a black spray can to apply a guide coat, a light spray to cover the area that needs to be sanded.
- Leave spray putty to dry for about 24hrs
- Rub down with 240 grit using a block. Be sure to sand out all the black this will show you where you have or have not rubbed yet. And feather/smooth all edges by hand.
- Clean area with Wax & Grease remover
- Using Acrylic primer or Etch Primer spray 2 to 3 coats over the Spray putty. 10 minutes between coats.
- Use a black spray can to guide coat again. And leave for about 24hrs
- Rub down with water using 600 grit Wet & dry paper. Sand back guide coat.
- Using Scotch Brite Grey, rub down the rest of the panel to remove the original gloss. You can also use 800 grit wet & dry paper with water. Then clean area with wax & grease remover

**\*Tip**

Be sure to rub down all edges, creases and seams, otherwise the clear coat will lift off and peel. The Clear needs something to bite into.

## Spray Painting

- **Mix Acrylic paint using a measuring cup at a ratio of paint to thinners of 1:1½**  
**Using Acrylic thinners will give a better finish, but multi thinners is ok.**
- **Be sure area is clean and has been wiped using a tack rag**
- **Pulling the trigger on the spray gun half way releases air only, all the way releases the paint.**
- **Before applying the paint make sure you are happy with how the gun is spraying.**

**\*Tip**

**You want the span of the spray paint when it comes out of the gun, to be about one hand span when it is one hand span away from the gun.**

- **Apply 3 coats of colour and cover the repair. *Refer to the tip section for more info on spraying technique.***

**\*Tip**

**If you have a repair in the middle of the panel cover that part with paint and then blend the paint around it. If you spray all the way to the edge of the panel you may see a difference in colour**

- **Using the same technique as the colour, mix clear at 1:1 and apply 3 to 4 coats of clear. Within 1 hour. Clear only needs to go on top of metallic colours not solid colours.**
- **After a couple of days you are ready to buff the clear**

## **Buffing**

- **After leaving the clear for a couple of days. Rub the clear back with 1200 or 1500 grit paper.**

**\*Tip**

**Use the palm of your hand to sand the clear. If you use your fingers you could create waves in the clear.**

**Use 1 sheet of paper per panel..**

- **Using a buffing compound dab small amounts of the compound on the panel using a paint brush.**
- **Buff with a lambs wool pad at a medium speed. And watch edges so the pad does not catch..**
- **Polish the panel using a polishing cloth and some Auto Polish**

### ***Tip.***

- **Gravity feed spray guns are easier to use.**
- **2mm nozzle for Acrylic paint, 1.4mm for 2 pack and Enamel**
- **3.5mm nozzle for spray putty.**
- **12 cfm compressor is a good size for doing resprays. Smaller units are ok for smaller jobs.**
- **Compressor pressure is good at 40 psi**
- **When spraying overlap each pass about half way**
- **Hold the spray gun about 20cm from the job at all times.**
- **When starting out screw the fluid nozzle in to restrict paint flow.**
- **Paint in the shade not in the sun**
- **Acrylic thinners gives a better gloss then Multi thinners.**

# Spray Gun

**Air Cap**  
Should be removed  
when cleaning

**Fluid Nozzle**  
This also can be  
undone to change  
or clean the needle

**Fan Control**  
This controls the fan width

**Air Control**  
This controls the air pressure



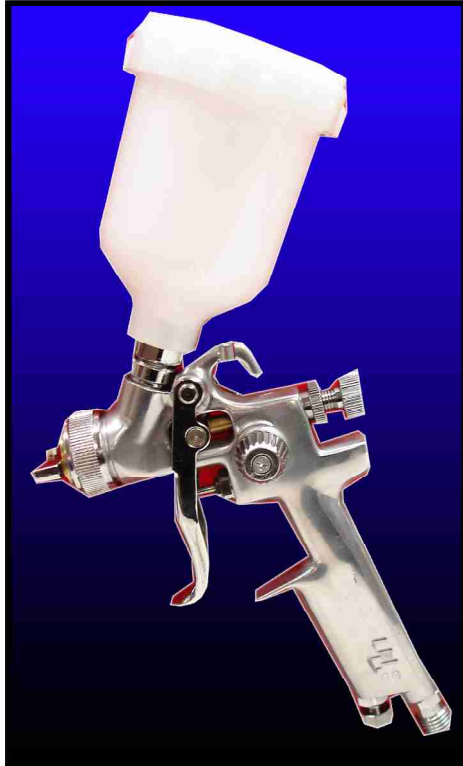
## Things You may need.

- Spray gun, 2mm setup
- Putty gun 3.5mm setup
- Spray putty
- 1k Etch primer
- 150 grit, 120 grit, 240 grit, 80 grit, 400 grit 600 grit, 800 grit, 1200 grit Sand paper
- Tack Rags
- Wax & Grease Remover
- Acrylic or Multi Thinners
- Acrylic Clear & Colour.
- Buffing/ Sanding machine
- Masking Tape
- Mixing Cup
- Paint Strainers
- Soft Nikki/Filler
- Nikki Applicator
- Onion Board
- Cheese File
- Scotch Brite Pads
- Compressor
- Lambs Wool Buff Pads
- Cutting Compound
- Auto Polish



**VCA Auto Paints & Tools**

# GREAT VALUE ALERT



**Gravity Spray gun**  
Perfect for the beginner  
to intermediate spraypainter

**1.4mm setup for 2 pack**  
**and 2mm setup for acrylic**

**\$120.00**



**Suction Spray gun**  
Perfect for the beginner  
and for Hi Build Primer.

**2mm setup for Acrylic**

**\$40.00**

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