

bodyline® plastic repair process



Broken plastic part from vehicle.



If required, heat the plastic part with an Infra Red unit or a heat gun to assist the part to return to its original profile.



Apply Bodyline Plastic Cleaner BPC500 to the inside of the panel to remove all dirt and overspray from the damaged & surrounding area.



Abrade the area with a BDPBWPBUF Bodyline red or grey weave pad removing all dirt and overspray.



The inside is now ready for the plastic repair process.



To prepare the plastic split evident, on the outside of the panel sand away the split edge to create a 2-3mm gap for the plastic repair process with a Bodyline Griplock Grinding Disc P80 - BDPBGGD7580.



Visual reference after the previous stage.



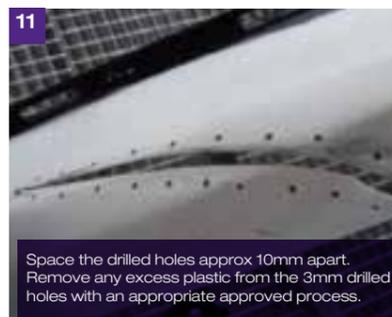
Create a shallow V next to the split both inside and outside of the panel with a Bodyline Griplock Disc to provide adhesive strength to the split panel.



Sand the affected & surrounding area of the repair thoroughly with a Bodyline P180 grade disc BDPBSAD18015.



Drill a hole at the end of the crack as seen in the picture using a 3mm drill bit.



Drill a series of 3mm holes along each side of the repair in a shoelace format as seen in the picture.



Apply Bodyline Plastic Cleaner BPC500 to the outside and inside of the panel and clean with a Bodyline pre-cleaning cloth BDPBPCC.



Once clean and dry, apply the Bodyline Adhesion Promoter BDPBAP200 to the inside and outside of the panel. Leave for 5 mins to enable required flash off.



Measure, shape & cut Bodyline BDPBRF reinforcing mesh to the required profile.



Purge the tube before attaching the mixing nozzle as per the picture.



After attaching the mixing nozzle, purge for approximately 1cm as per the picture.



Apply the adhesive to the reinforcing mesh with the plastic backing sheet in place as per the picture keeping the end of the nozzle buried in the adhesive.



Apply the adhesive and reinforcing mesh to the inside of the plastic repair. Apply pressure until the adhesive protrudes through the gaps and drilled holes.



To fill the gap to provide the required profile, apply adhesive keeping the end of the nozzle buried in the adhesive.



Smooth and place the adhesive to the required profile using a Bodyline plastic spreader (BDPBFBFS).



Once dry, DA sand any excess adhesive using a Bodyline P180 disc. BDPBSAD18015.



Apply a skim of Bodyline Plastic Repair Filler (BDPBFBFB) to obtain the correct profile.



Sand the Bodyline Plastic filler with a Bodyline P180 Sanding Strip to obtain the correct profile.



Finally, feather edge the surrounding area with P320 grade on a DA sander in preparation for following the recommended Paint process.

Bodyline Plastic Repair Products:

Plastic cleaner BDPBPC500



Weave Prep Hand Pads (Red or Grey) BDPBWPBUF



Griplock Grinding Discs P80 BDPBGGD7580



Gripspeed Abrasive Discs p180 BDPBSAD18015



Pre-cleaning Cloth BDPBPCC



Adhesion Promoter 200ml BDPBAP200



Reinforcement Film BDPBRF



Filler Spreaders BDPBFBFS



Plastic Body Filler Bag BDPBFBFB



Gripspeed Abrasive Strips P180



Health & Safety in the bodyshop:

- Ensure that the working area is clean and tidy
- Wear protective ear and eye equipment
- Wear suitable respiratory equipment when working with hazardous materials
- Wear protective gloves