

Repair manual DG-800B

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5.4 **Repairing small dents in a sandwich panel skin (no cracks in the gelcoat)**

Small dents can usually be removed by heating up to 60° to 70° C (140° - 158°F). Use a hot air blower to heat the area of the dent. The crushed foam will then spring back to its original form, so that the dent will hardly be seen. Final sanding with wet sandpaper grade 600 should finish the job. In more severe cases, one coat of gelcoat will remove all trace of the dent.

5.5 **Outer skin finish**

Repairs should be such that the area is exactly level or only slightly higher than the surrounding skin surfaces. Sand the hardened repair surface with dry grade 80 sandpaper. Fill with Polyesterfiller, let dry and sand with dry sandpaper. When the surface is smooth, sand the repair area and at least 5 cm (2 in.) of the surrounding gelcoat with wet sandpaper grade 400.

Spray the repair area with 5 coats of gelcoat.

After the gelcoat has hardened, sand with grade 400, 600 and 800 wet sandpaper until the surface is smooth. Polish with a power buffer (electric drill or similar with cloth polishing wheel). Apply a block of wax onto the rotating polishing wheel and then polish the repaired area. Do not polish in only one direction, and do not polish one spot for too long so that overheating occurs, see sect. "general maintenance" in the maintenance manual.

5.6 After **repairing control surfaces**, the mass balance weights must be checked again with the values given in the maintenance manual. Should the maximum values be exceeded, then the parts have to be replaced.

5.7 **Fire protection of engine compartment**

The fire protection of the engine compartment is by means of a fire resistant paint which foams up in case of a fire and by additional heat-insulating fabric and metal foils.

In case of damage ask the DG factory for the working instruction " Fire protection of engine compartment " 8B-XM-RA60.