Inner Fender Rock Shields

BULLETIN

MODELS AFFECTED: *2004 Vision first generation fiberglass hoods*

S05KD

SERVICE BULLETIN

ISSUE

On first generation BBCV fiberglass engine hoods, the front inner fender may be damaged by rocks thrown from tires.

CORRECTIVE ACTION

Install rock shield between inner fender mounting panel and splash shield.

PROCEDURE

1 Park vehicle on level surface with front tires straight forward. Remove key and chock wheels. Raise engine hood.

2 A first generation fiberglass hood is one built up by spraying chopped fiberglass strands into a mold. This type of hood may be identified by the course strand-like texture of its underside. If this is the type of hood installed on the bus, inspect the inner fender area immediately above the tires for damage from rocks. The fiberglass surface is painted black. If the hood is not damaged beyond chipped or abraded paint, proceed with Step 3 to install the additional guards. If structural damage affecting the strength of the hood has occurred, contact your Blue Bird Distributor or Blue Bird Service Representative for repair approval.

If more than cosmetic damage to the fender undersides is suspected, repair the fiberglass according to the Fiberglass Repair Instructions included in this bulletin before installing the additional guards.

Before installation of shield

PART NUMBER	QUANTITY	DESCRIPTION
0099625	2	Rock Shield, Inner Fender, Service

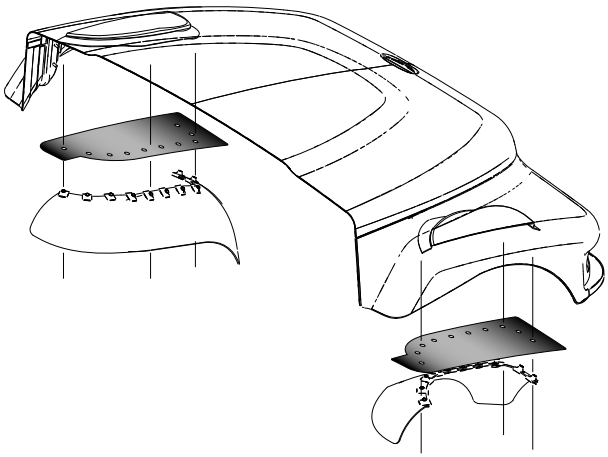
3 Remove the ten ¼ -20 x 1 hex head capscrews and 1 ¼ flat washers which secure the right hand fender splash shield. The capscrews thread into speed nuts affixed to the mounting flange.

4 Reinstall the splash shield with the new rock shield sandwiched between the splash shield and the mounting flange, using the original fasteners and washers.

5 Repeat the same installation on the left side.

6 Close hood and remove chocks. The procedure is complete.

After installation of shield



Fiberglass Repair Procedure for Vision First Generation Hoods

1. Underside Repair.

1.1 Remove the plastic inner fender pieces.

1.2 Clean the inner fender surface with high pressure wash.

1.3 Grind the inner surface of the affected area with a 40 grit disk. Grind 2 to 4 inches around the outside of the damaged area.

1.4 After grinding, wipe the repair area with an acetone solvent.

1.5 Pre-wet 2 layers of a woven bidirectional glass cloth (Item 7500-50 Ashland FRP) with Epoxy resin. Laminate in place. Allow to cure for 2 to 4 hours.

1.6 Scuff the cured glass cloth laminations with a 40 grit disk, and then wipe with acetone.

1.7 Pre-wet 2 layers of a woven glass cloth (Item # Woven 24 oz-50 Ashland FRP) with Vinylester resin, and apply to the repair.

1.8 Pre-wet two layers of 1.5 oz chopped strand mat with vinylester resin. Before applying, roll with a soft short nap paint roller to remove excessive resin.After applying the mat, roll to remove all air and inclusions, ensuring bond and structural integrity between the laminations. Allow to cure 2 to 4 hours at 75° F.

1.9 After curing, position the inner reinforcement and mark around it to outline its position.

1.10 Scuff both the bonding area on the hood and the bonding surface of the reinforcement with a 40 grit disk.

1.11 Bond the inner reinforcement with epoxy adhesive or Lord 7542A/C adhesive. Both are 2 component products.

2. Top Surface Repair

2.1 Grind the top surface (paint side) in the damaged area to remove all lose particles and to open up all cracks. This may require grinding down to the new surface.

2.2 Pre-wet Glass Cloth (item number 7500-50) with epoxy resin. Roll to remove excess resin.

2.3 Fit 2 layers of the pre-wet glass cloth to the ground area. Allow to cure for 2 to 4 hours.

2.4 After curing, scuff the area. Then apply a glass filled plastic Bondo to level the surface. Follow normal body panel finishing procedures for Bondo and fiberglass to complete the job.

2.5 Paint the repaired fenders with appropriate body paint, using a flex additive.