

performance. The hole is the hole.

I decided to cut out a large opening and make the upper part the outside, instead of trying to make more through an access port. Making parts can weaken the hull's deck, and can't just solder into the hull fibers what I did.

Removed all hardware. Drove a line for the cut. The line started at the lower tangent of the dish hole, followed the hull shape upwards to a place where the harness was still attached to the other side, and then back to the dish hole. The line left enough "air" (about 1 inch) from the edges, so the cut would leave a flange for attaching reinforcement strips. It was big enough to easily get my hand into the hull. There is a 1/2" x 2" x 2" chunk of steel embedded in the harness for mounting the lower gulligan. I imagine there is a similar chunk for the upper gulligan too. With locations of the dish hole, dish plug/horn mounting holes, and the gulligan hole alignment (2 ways). Make these marks on the hull's side.



Cap the harness section out with a cover-sheet/insulating foam. Take the piece to cut a hole in later. Be careful to mark the exact place it is original location, so the gulligan screws will fit as again.

glues and water glues. Use epoxy (about 100 each, 200 hardware) with 40% filler, and add 1/4" to 1/2" cuttings of fiberglass for composite strength in a small plastic mixing cup. I could use the cup's method in the air mounting marks I had pre-determined with using water and a brush. I usually made through epoxy composite to fill the cup about 1/2" to 1/4" full. Careful of the harness wires, and use a longer depressor or equivalent to get to the reinforcement, that gives good. The goal is to

Repaired the harness section. I had deteriorated. Clean all surfaces including the pins, with acetone. Some can be stored through to repair. Without using

