



# SERVICE BULLETIN

**BULLETIN:** 3-05  
**DATE:** February 15, 2005  
**SUBJECT:** 38SB RUDDER EDGE MODIFICATION  
  
**HULL #s:** #118,119,120,121,123,124

## **Situation:**

In reference to the above listed hull numbers for the 38 Sport Bridge, it has come to our attention that the rudders may contact the hull bottom on the outboard side of the tunnel in the full over position. This may result in minor damage to the hull bottom.

## **Solution:**

To eliminate this problem, a cut is needed to be made to the leading and upper edge of the port and starboard rudders. There is no need to drop the rudders for this repair.

## **Required Tools and Materials:**

- 1) Straight die-grinder
- 2) Sanding drum - " diameter – 80 grit (not required with 60 grit cutoff wheel)
- 3) Type 1 cutoff wheel - 4" diameter (36 grit if using a sanding drum as well, otherwise use a 60 grit wheel)
- 4) Mandrel (corresponding to cutoff wheel)
- 5) Emery cloth – 80, 100, or 120 grit
- 6) Tape measure or ruler
- 7) Permanent marker
- 8) Flexible straight edge

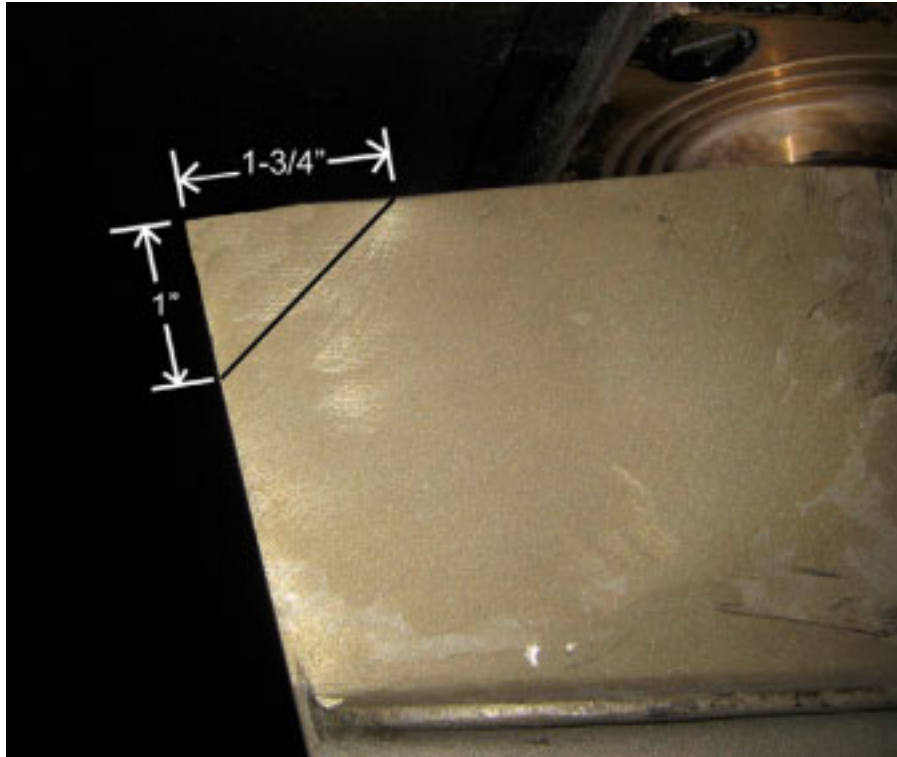
## **Repair Time:**

Time of repair is estimated at one hour including preparation and cleanup.

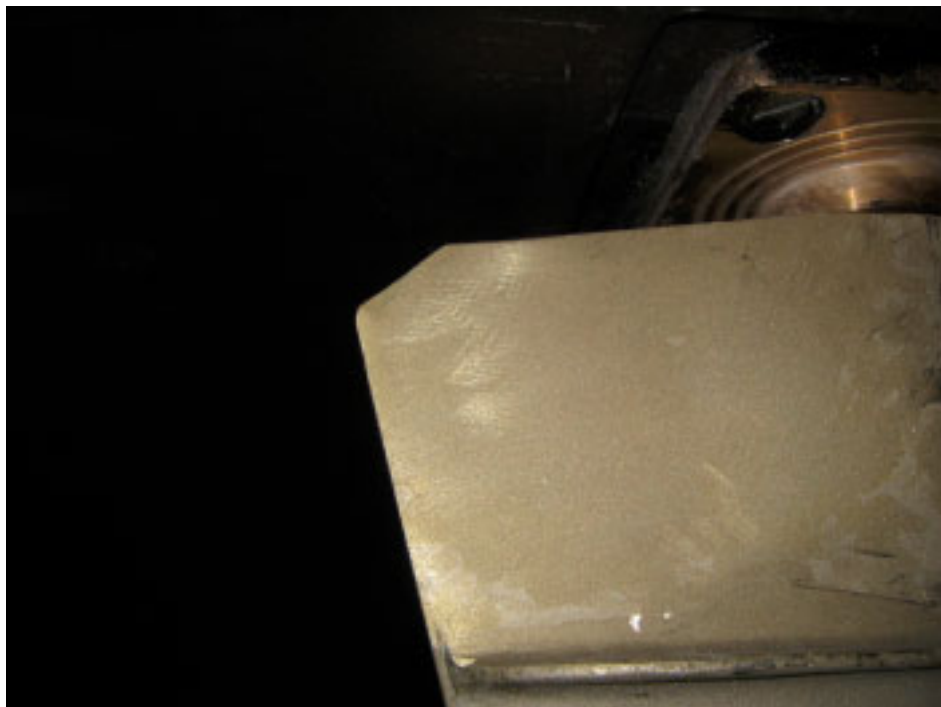
## **Procedure:**

- 1) Place the rudders in their straight position.

2) Mark the rudders on the inboard side as shown below with the permanent marker.



3) Use the 4" cutting wheel to cut the rudder on the marked angle. The 36 grit wheel will give a faster yet rougher cut, which can be cleaned up with the sanding drum. A 60 grit wheel will take longer to cut, but will leave the edge smooth enough to only need an emery cloth.



- 4) Use the small drum sander (if available) to break any sharp edges left over from the cut.
- 5) Clean up the cut edges with the emery cloth.
- 6) Move the rudders to the full starboard position and check to make sure there is enough clearance.
- 7) Move the rudders to full port position and check to make sure there is enough clearance.