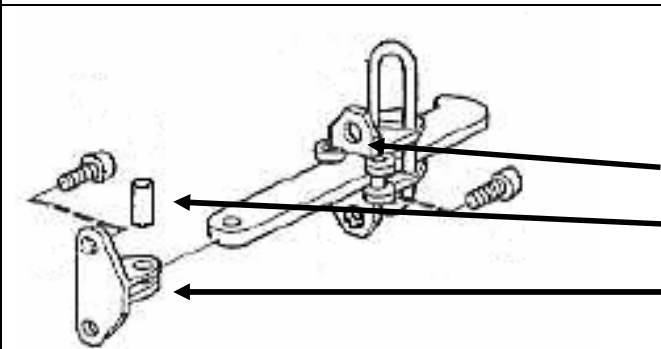




Access is straightforward by removing doorcard.
 The rope (formerly a brake parachute cord from and RAF Lightning) is to prevent the door going past 90° and damaging the bodywork.
 The brown broom handle (actually the handle of a 14lb sledge hammer in case I lose it big time) is to hold the door open to prevent inadvertent closure on things like fingers.



Picture looking into door. The upper retaining square hole has gone with the metal stripped away above. The lower retaining square hole has cracked away with stress cracks appearing at the corner of the stay slot. Out of picture is a fatigue crack over the top of the stay hole.
 The smooth grey areas are the inside of the door skin and forward edge of the door.
 One of the holes for the body retaining bracket can be seen through the stay hole.
 Further fatigue crack around bottom of stay area



Door Restraint assembly (LH door shown)
 Mounting bracket
 Connecting Pin
 Body retaining bracket



Access to inside is good so simply drill through the double skin from the inside using progressively larger drills. I started with 1/8" to minimise drill wander then a couple of others to the right size for the bolts.



Above shows the remounted assembly. There is a reinforcing plate from a previous repair in place with the nuts from the two screws (one hex and one square cos they were raided from the gash box). Buying new you need bolts with at least 45mm below the head and 5 or 6mm dia.



The view from outside is not pretty but is hidden during normal use.

A far tidier job can be done by buying new low profile head bolts



Brackets can be made, like I started here to go one above and one below the stay hole.

The large hole is for the mounting bolt and the small hole for a retaining rivet



Another view showing the angle and another hole for a rivet into the door skin.

The hole I had drilled for the lower bracket can be seen in line with the drill chuck.

This idea was not followed up once I had realised I could just go through the double skin. It is included here to give an idea for strengthening brackets.

Bracket width is about 1/2"