



**Australian Government**

**Australian Transport Safety Bureau**

**Depressurisation  
475 km north-west of Manila,  
Philippines  
25 July 2008  
Boeing Company 747-438, VH-OJK**

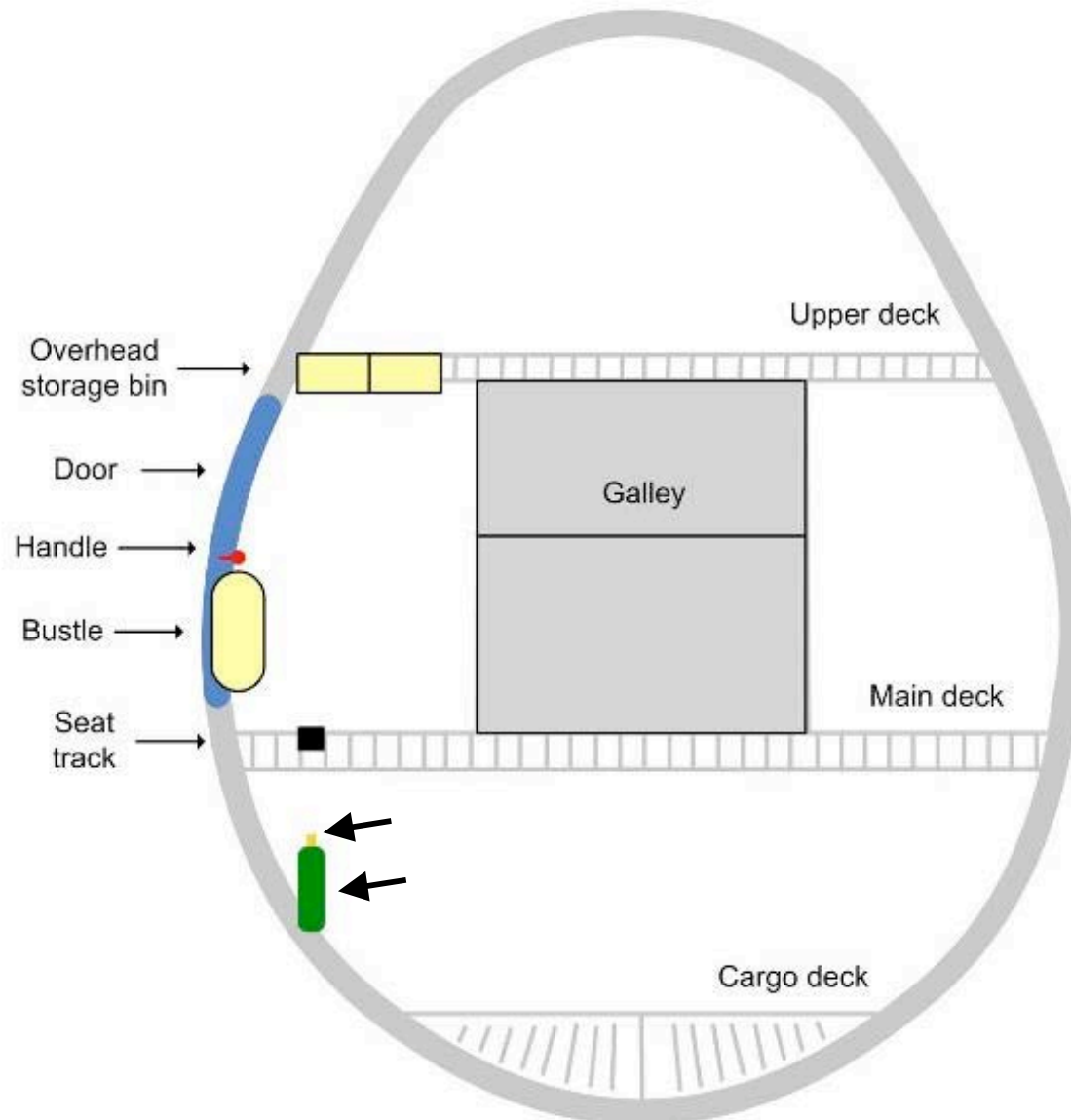
Safe  
Transport





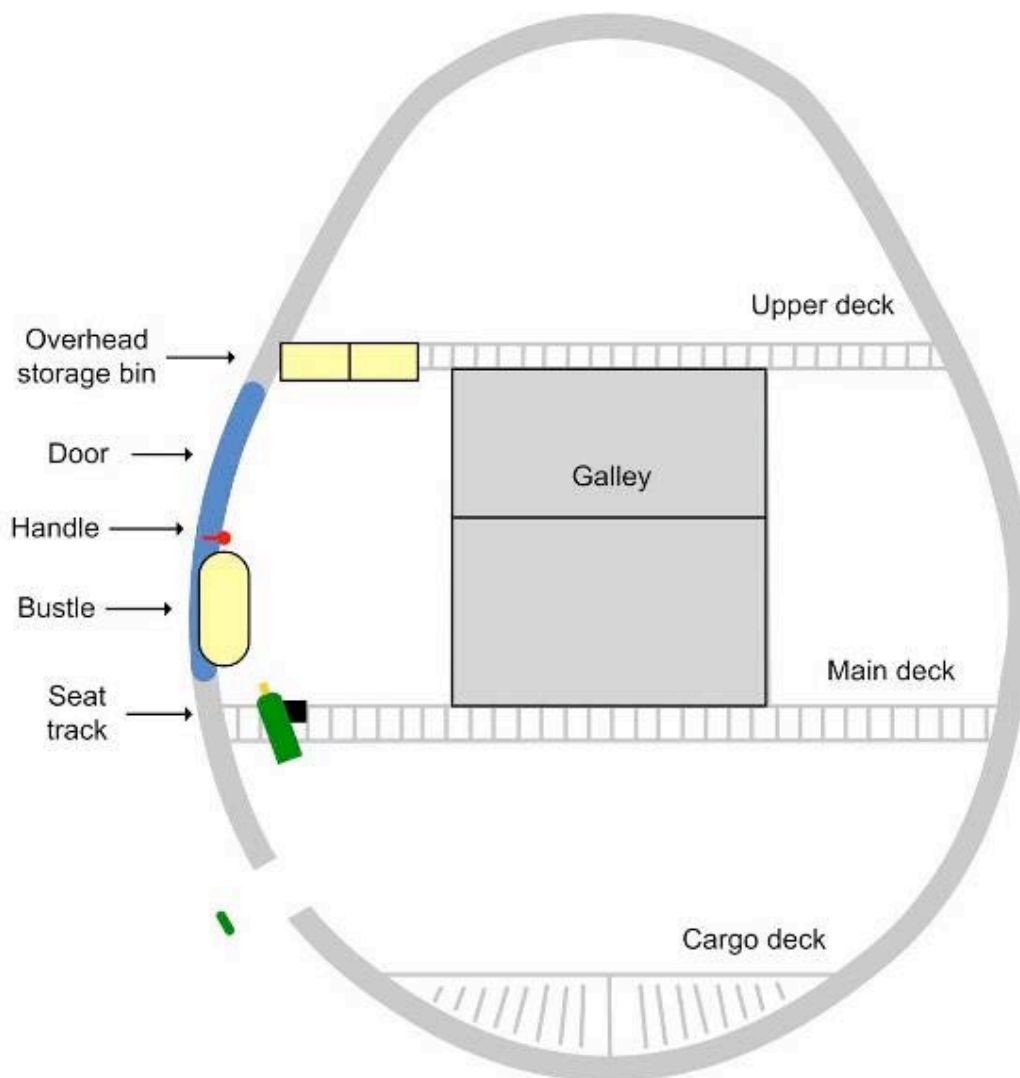
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**1. Normal arrangement  
(Oxygen cylinder and valve arrowed)**

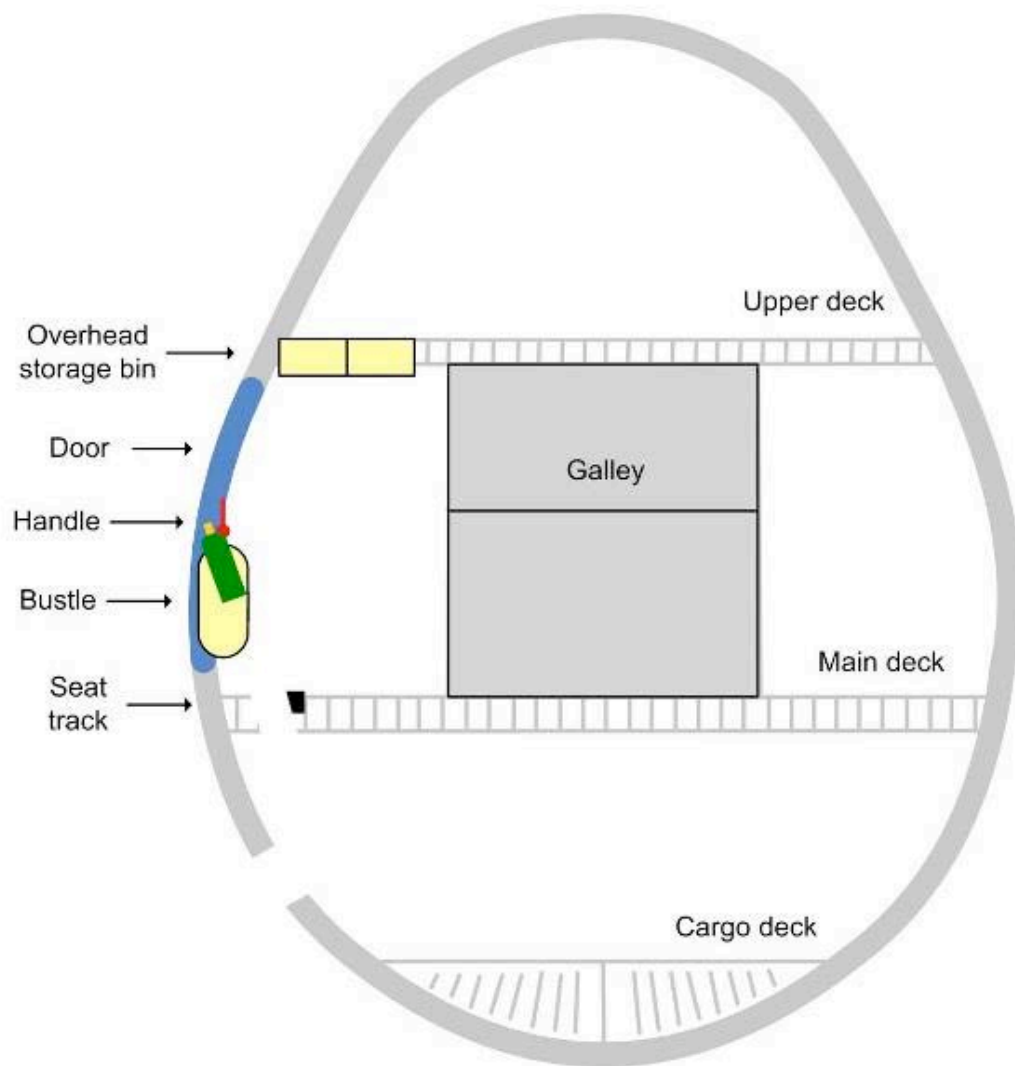




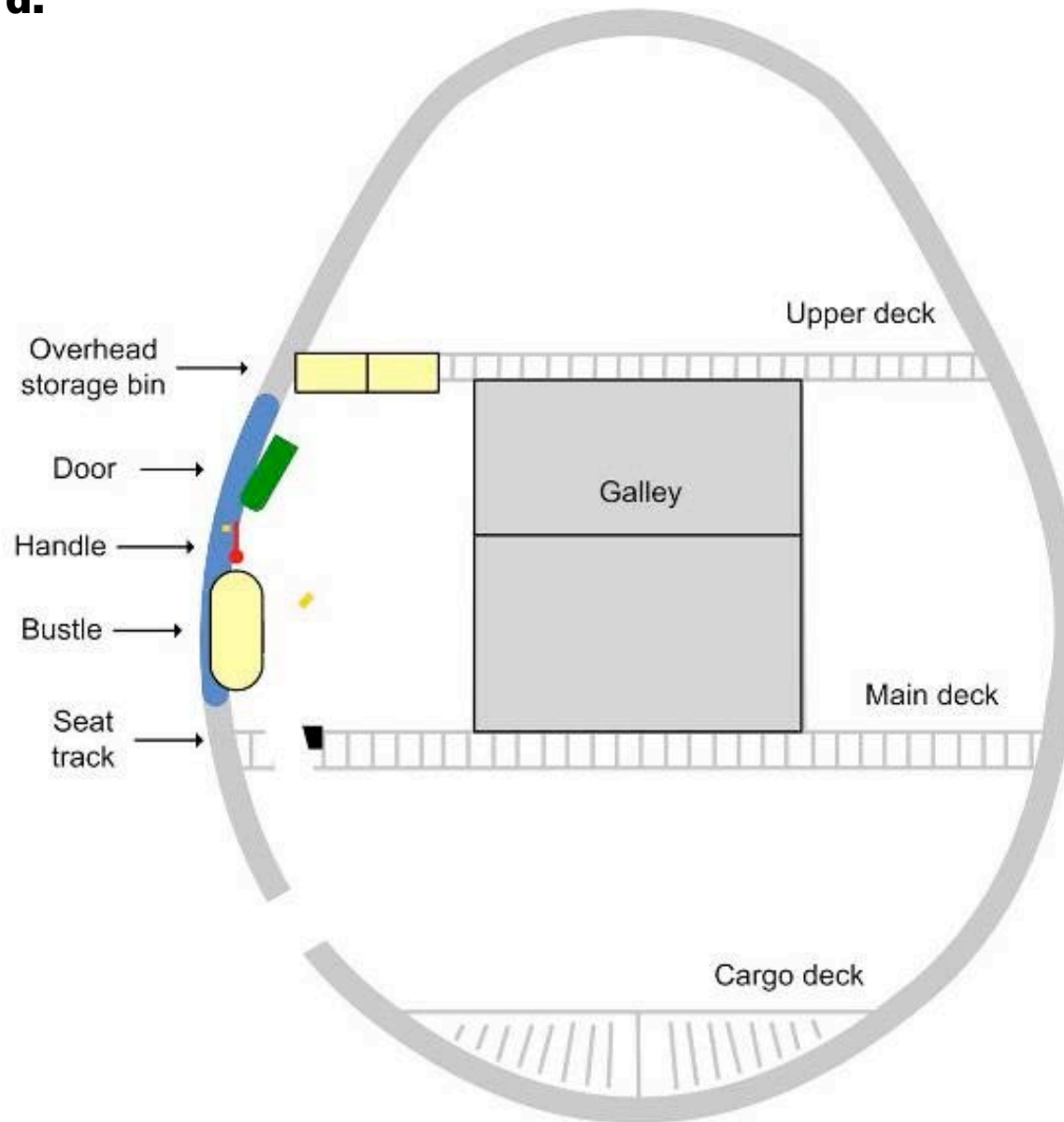
**2. Cylinder failure produces fuselage rupture, with bulk of the cylinder length propelled upward through the cabin floor.**



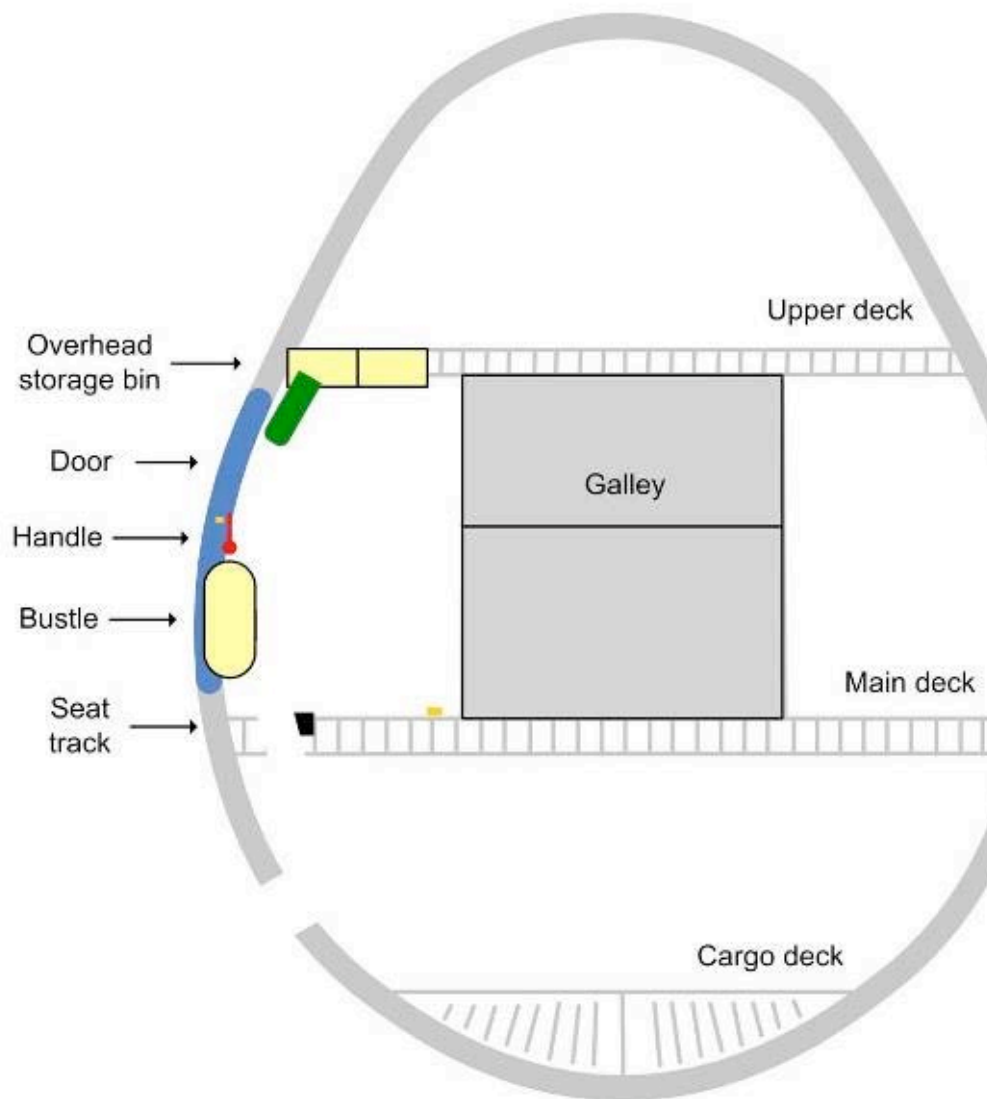
### 3. Cylinder impacts R2 door frame and internal door handle.



**4. Door frame impact breaks off cylinder valve and causes cylinder to invert while continuing to travel upward.**

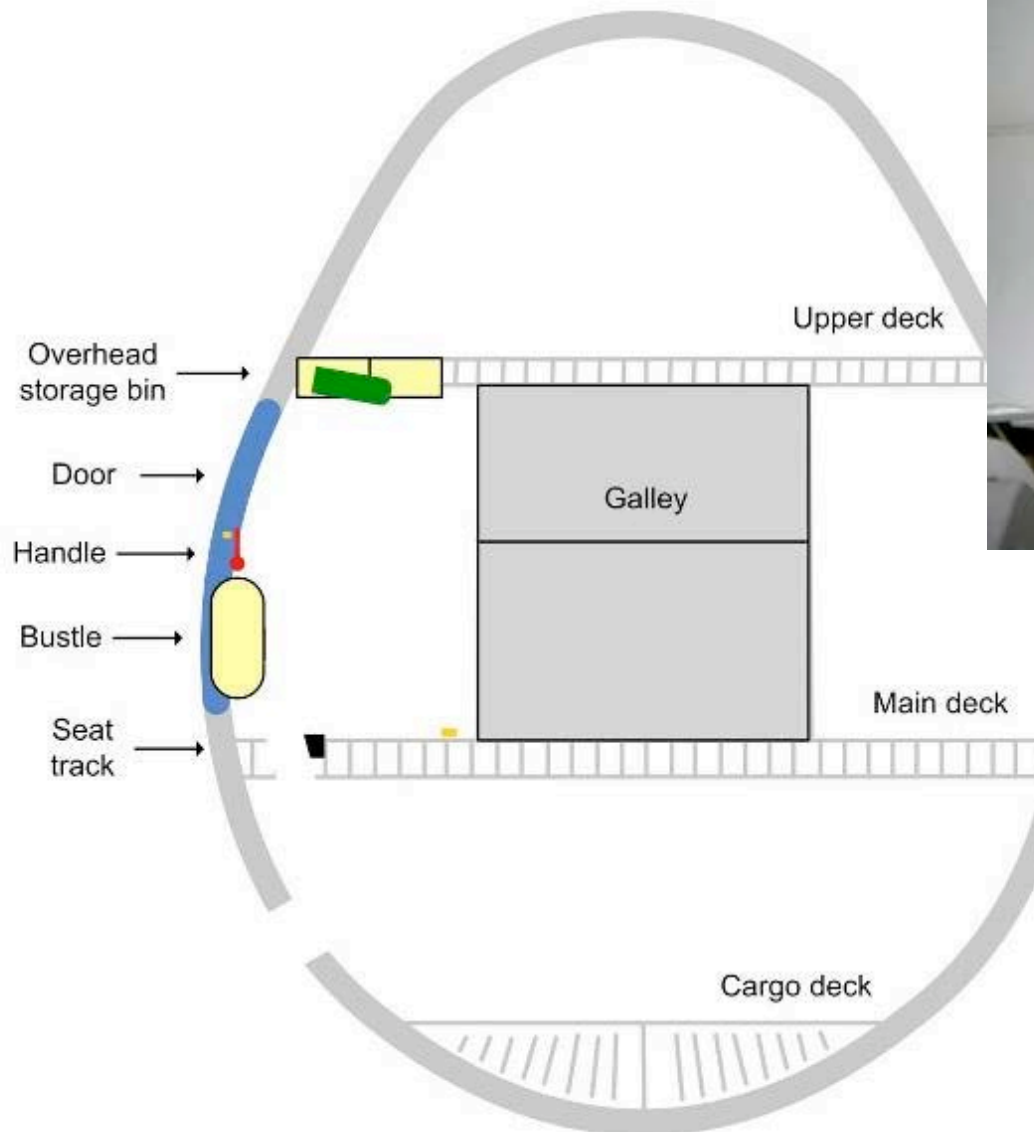


**5. Cylinder impacts overhead panelling end-on, producing circular cut-out type damage.**



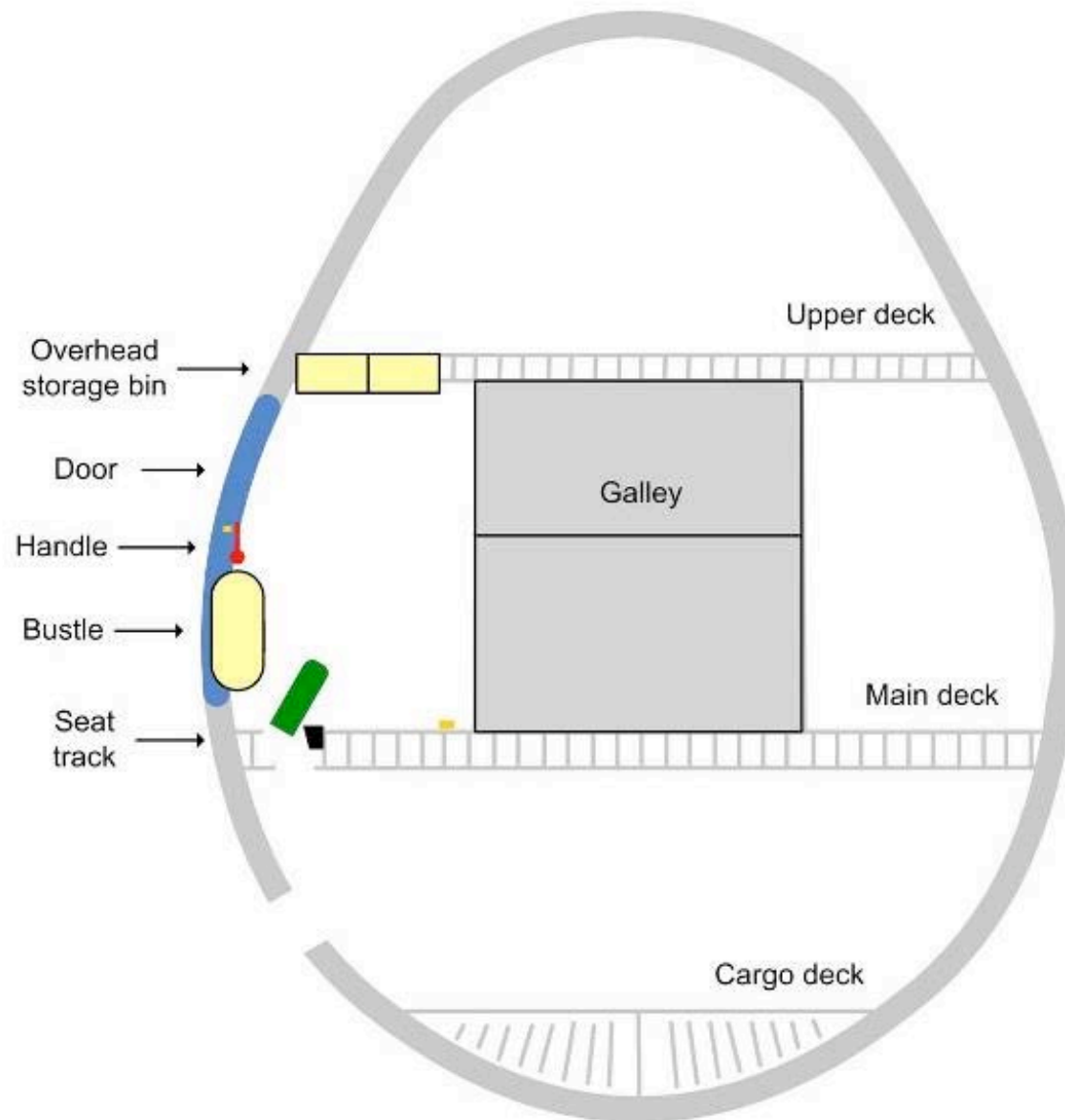


**6. Still rotating cylinder impacts overhead storage bin, producing semi-circular crushing damage.**





**7. Cylinder falls to cabin floor and exits the aircraft through the ruptured fuselage .**





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