

## Aviation Safety Bulletin

ASB No: 91-30/M

JUL, 2002

Subject :

**B747-400 AIRCRAFT AIR TURNBACK DUE TO L/H BODY GEAR  
UNRETRACTABLE.**

Background :

One B747-400 aircraft L/H body gear failed to retract after takeoff and resulted in aircraft air turn back. Investigation revealed that the hydraulic tube of L/H body gear truck positioner was chafed by a defective bracket in the wheel well and caused leakage, which finally resulted in the inability to retract the landing gear. Relevant information was collected as follows:

1. The Boeing issued Service Bulletin No. 747-29-2097 for L/H body gear hydraulic tube support replacement in Oct. 1997. Accordingly, the concerned operator's B747-400 fleet had complied with this S. B. before MAR. 2000.
2. Not only this incident report has been forwarded to the Boeing for consultation, but also an SDR has been submitted to the FAA.
3. The concerned operator performed a one-time inspection for its own B747-400 fleet and found that there were two aircraft with the same deficiencies. After fixing those defective brackets, above mentioned aircraft returned to service.

Recommendation:

1. Clearly identify those defect brackets in job card and attach relevant S. B. information for reference.
2. Treat this as 100% QC inspection item (RII).
3. Accommodate it into the company's self audit program.

4. Include this case as an agenda in the company's reliability meeting for further improvement.