

Aviation Safety Bulletin

ASB No: 91-28/M

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Subject :

One 747-400 Freighter's nose and body landing gears were inadvertently retracted during ground test at the gate.

Background :

1. During transit check of a 747-400 Freighter, all 5 ground safety pins for landing gears were installed for operation test of the landing gear control handle. After performing operation test for several times, the airline's maintenance personnel left for certain reason .
2. In the mean time the aircraft was left without guard on the ramp, ground service company personnel took all landing gear ground safety pins because it assume aircraft will ready for dispatch and follow its ground handling agreements responsibility.
3. Airline maintenance personnel returned to the aircraft to continue the test later. As all ground safety pins for landing gears were removed, such test caused the aircraft nose landing gear to retract and body landing gear downlock actuators unlocked and displaced; The doors of nose landing gear touched the ground.

Recommendation :

1. Installation of ground safety pins for landing gear shall be reconfirmed prior to resuming the test if it was interrupted.

2.Duties and responsibilities with regard to installation/removal of ground safety pins for landing gears by airline maintenance personnel and staff from ground service company shall be clearly defined.