



Civil Aeronautics administration

Aviation Safety Bulletin

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Subject : Human error caused a ground incident leading to a B747 passenger aircraft to retract its nose landing gear and its nose gear door to touch the ground.

Background :

1. The maintenance staff of a foreign ground maintenance agent contracted by a national airline did not use the standard landing gear lock-pin when performing a leakage test for the hydraulic system of a Boeing 747 passenger aircraft at the ramp of a out-station and caused a ground incident resulting in the nose landing gear to retract inadvertently and the subsequent damage of nose gear wheel well, friction of external cowls of No. 2 and 3 engines, and damage of external power receptacle.

Recommendation :

1. The company has to establish a standard operating procedure (SOP) for the lock-pins of landing gears to meet the safety specification.
2. The said SOP shall be provided to the contracted maintenance agent or body for compliance.
3. An audit of the system and actual activities of the contracted maintenance agent or body shall be conducted to ensure they are in compliance with the company SOP.
4. To enhance out-station audit and to incorporate it into the company's self-audit program.