

## Folkerts Michael

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**From:** Hanoch Kliger [REDACTED]  
**Sent:** Monday, July 15, 2013 3:15 AM  
**To:** Folkerts Michael  
**Cc:** David Dagan; [REDACTED] Yaacov Berkovitz; Daniel Alimi; Israel Matelski; Sagiv Menashe; Doron Margulies  
**Subject:** RE: Israel Aircraft Industries (IAI) 1124 accident  
**Attachments:** HORN 430-M1.pdf

Dear Mr.Folkerts,

Please find IAIreply to your emails:

Action: Request a history of landing gear collapse incidents for this type of landing gear.

Reply: At the last 15 years IAI was not reported about landing gear collapse incidents.

Action: Request a perspective of a landing gear collapse.

Reply: If the brace parts are unharmed, the reason for main landing gear to collapse can be explained by an event that the Brace was not down locked.

Normally at landing, the brace is down locked (geometrically) and secured by the Jury brace.

If for some reason (it can be by mistake), hydraulic pressure was supplied to the Unlock actuators that broke the geometric locked position (and if no pressure was supplied to lock again the brace), the high loads during landing can fold the brace and the landing gear.

Action: what parameters the gear horn triggers under, as well as the frequency in Hz that it sounds at.

Reply:The following is the logic that triggers the gear warning:

[(At least one of the landing gears is out of the down and locked position) AND (Flaps control lever is at 40 deg.)]

OR

[(At least one of the landing gears is out of the down and locked position) AND (At least one throttle lever is at idle position) AND (A/C speed is below 150 knots)

HORN frequency range is: 600-700Hz (see attached data sheet).

Action: An audio file of the gear horn sounding.

Reply: Sorry, the aircraft was certified at the seventies and I could not find record of the horn.

Regards

*Hanoch Kliger*  
*Manager, Tech & Eng Product Support*  
*Business Jets Division, CAG, IAI*

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**From:** Folkerts Michael [mailto:[REDACTED]]  
**Sent:** Thursday, July 11, 2013 10:02 PM  
**To:** Doron Margulies; Hanoch Kliger  
**Cc:** David Dagan; [REDACTED] Yaacov Berkovitz; Daniel Alimi; Israel Matelski; Sagiv Menashe  
**Subject:** RE: Israel Aircraft Industries (IAI) 1124 accident