

## SERVICE NOTICE

**SUBJECT:** NOSE GEAR HYPEREXTENSION  
**EFFECTIVITY:** 100-0001 and above

### BACKGROUND

This Service Notice is to make customers aware of a potential issue with the nose gear on the KODIAK 100 aircraft.

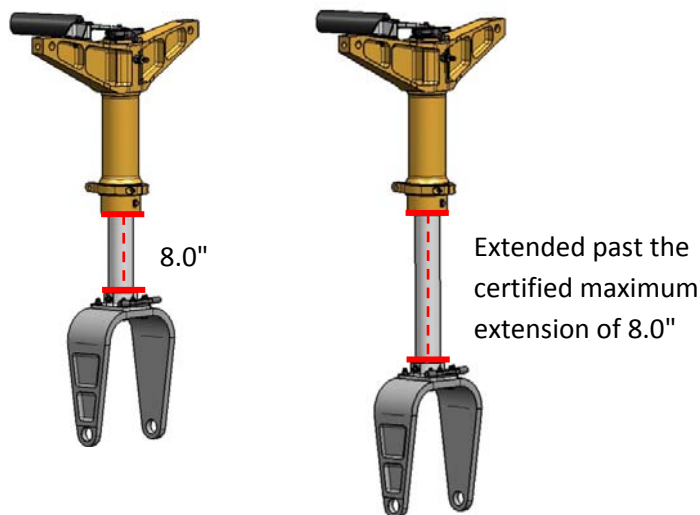
### DISCUSSION

In conjunction with Quest Aircraft Company's continued effort to provide the best product possible and to help ensure the continued safe use of the KODIAK 100, we are providing the following information. We are currently working on a long-term design solution to address the issue presented; you may receive further information and/or instructions when this design is completed and certified.

Quest Aircraft has received a single report of the nose gear centering pins failing, which in turn allowed the nose gear to extend past its certified maximum extension of 8.0". This occurred on a plane with approximately 1,563 flight hours; during this time the plane had logged 2,736 landings, the majority of which were on unimproved airstrips. Quest Aircraft does not believe there are any aircraft with an immediate cause for concern; however, if the nose landing gear extends past the certified maximum extension or any of the items listed below are identified, this could indicate a possible issue with the nose landing gear.

Listed below are items that may indicate possible nose gear problems:

1. Loss of direct nose gear steering control
2. Difficulty turning the nose gear
3. Difficulty trimming the airplane in the yaw direction
4. Hyperextension of the piston tube (see figure)
5. Reduced piston tube travel
6. Particulate noted in the nose gear hydraulic fluid



If any of the above items are noticed during operation, maintenance, or disassembly, it is recommended that you contact Quest Aircraft Company immediately with details. Return to service should only be accomplished after discussion with Quest Aircraft and will be dependent upon the detailed findings.