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Service Bulletin 010-92

Subject: Lancair 200, 235, 320, 360 lower rudder attachment pin.

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Status: Mandatory

This is a mandatory safety modification to prevent inadvertent disengagement of the rudder attachment due to an impact of the rudder T.E. to the ground.

All aircraft must immediately install a washer (AN 960-4) between the threaded attachment "keeper" for the lower rudder attach point and the pivot bracket bonded into the vertical stabilizer.

1. Cut safety wire and unthread the long steel threaded tube "keeper" used to secure the lower rudder pivot assembly.
2. Remove the rudder cable attachments and remove rudder for general inspection.
3. Inspect all components of rudder and vertical stabilizer including: threads in steel attachment tube "keeper", all pivot assemblies for wear, check that bushings are in good shape and secure in vertical stabilizer and pivot pins are secure in rudder. If worn or loose, replace and verify as secure. Pivot pins should be firmly pressed in place and bonded with structural paste adhesive as well, for backup. Also check rudder stops.
4. Reinstall rudder.
5. Install the threaded tubular keeper on the lower rudder pivot with the AN960-4 washer going on first, followed by the keeper. See drawing 1 below.
6. Snug the tube into position, allowing for free travel of the rudder itself with no vertical movement allowed of rudder on vertical stabilizer. Secure the tube into position on the rudder with safety wire.
7. Reattach rudder cables per Lancair assembly plans.

As a general item of all pre-flights, the integrity of this safety wire should be inspected to insure that the rudder is properly secured.