

**Mod to landing gear shock absorber**

**Classification**

Mandatory

**Compliance**

All aircraft

**Applicability**

Before next flight.

**Introduction**

At present the extended landing gear swinging arm has no specific limit to its travel so, in the event of a heavy landing or if during take-off or landing on a rough field the aircraft runs over a large rut there is the possibility of the propeller contacting the ground.

To limit swinging arm movement a stop is to be fitted into the shock absorber. The stop is comprised of two Nylon 66 pillars mounted on the bolts within the polyurethane block of the shock absorber.

Also, the clevis pins connecting the shock absorber to the retraction arms LG08 previously supplied will require replacement with a stronger pin.

**Action**

**Shock Absorber Stops**

Remove the shock absorber assembly and dismantle it. Remove the polyurethane block and open up the bolt holes through it to a diameter of 23mm (29/32") and insert the Nylon 66 stop rods. These rods prevent the shock absorber top and bottom plates from becoming closer than 51mm (2").

Reassemble the shock absorber ensuring that the dimension between the centres of the top and bottom plate bushes is set to 127mm (5").

**Clevis Pins**

Discard the previously supplied clevis pins which connect the shock absorber to the retraction arms LG08. Install instead the new clevis pins provided during assembly.