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REPUBLIC AVIATION CORPORATION  
FARMINGDALE, LONG ISLAND, NEW YORK  
• • • SERVICE DEPARTMENT • • •

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### **TAIL WHEEL SHOCK ABSORBER ADJUSTABLE LINK TUBE**

Beginning with Seabee No. 525 the link tube, which connects the tail wheel shock absorber piston to the yoke, has been modified by having three sets of holes provided for adjustments of the spindle angle.

For best taxiing and swiveling action, the vertical centerline of the spindle should be between an angle perpendicular to the ground and a 5° angle of trail when the airplane is standing in the normal static position.

When adjusting the link tube, it will be necessary to remove the bolts partially from the rear collar so that the piston stop ring can be removed and permit the piston to be brought back far enough to remove the pin at the forward end of the tube. When adjusting the length be certain that both bolts are always parallel to the horizon, so that free pivoting will occur during deflection of the tail wheel mechanism. It is recommended that you examine this linkage to become acquainted with it and to make certain that both pins are horizontal.

If excessive trail is noted due to permanent set or cold flow of the rubber shock discs, it is advised that the discs be replaced or that extra rubber discs be added if a complete replacement set is not available.

W. H. Ehmman  
Service Manager

