

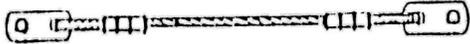
INSTALLATION INSTRUCTIONS FOR:

LANDING GEAR SAFETY CABLES KIT

FOR: J-3, PA-11, PA-12, PA-14, PA-18 SERIES AIRCRAFT with STANDARD GEAR

The landing gear safety cable kit consists of two (2) each upper safety cable assemblies and one (1) each lower safety cable assembly. Each of the two (2) upper safety cable assemblies are identical and have steel attach links on both ends. The lower safety cable assembly has an attachment plate secured to the upper ends of the left and right safety cables and an attachment link secured to the lower ends of the left and right safety cables. The two upper and one lower safety cable assemblies should be installed as outlined below:

1. Place the fuselage on a padded saw horse of sufficient height so that the main landing gear wheels are clear of the ground. The padded saw horse should support the fuselage just AFT of the rear main landing gear fittings.
2. Remove the two AN6 bolts and the corresponding nuts from the main landing gear cabane and discard. Attach the lower safety cable assembly attachment plate to the forward side of main landing gear cabane using two new AN6-21A bolts through the existing holes in the attachment plate and the cabane. The heads of the two bolts should be forward and the name F. Atlee Dodge should be facing forward. Next, slide the attachment link of each of the two upper safety cable assembly over the protruding ends of the two new AN6-21A bolts and secure using two new AN365-6 nuts. Refer to AC43.13 for correct torque on all hardware and identification.
3. Attach the link on the upper end of the left upper safety cable assembly to the AFT end of the left forward main landing gear fitting using the AN6-30A bolt, AN365-6 nut, (note: The length of the AN6 forward main landing gear bolts may vary depending on whether or not skis are installed). Next, attach the upper end of the right upper safety cables assembly on the right side of the airplane in the same way. Double check to make sure the links at the upper ends of the left and right upper safety cable assemblies are attached at the AFT end of the forward main landing gear fitting and adjust the brake lines as necessary to prevent interface with the safety cable attachment bolts.
4. Attach the lower left and right ends of the lower cable assembly to the left and right lower landing gear fittings as shown in the sketch. The attached links should be next to the AN6-21A bolt head on the forward side of each of the forward landing gear fittings. Use AN365-6 nuts. Note: Depending on the manufacture of the landing gear these lower attach bolts can change in length.
5. It is suggested that the lower safety cables be tied to the landing gear shock struts as shown in the sketch. Nylon tylocks (at least 3/16" wide), strong cord or rope, or two or three wraps of 3/4" wide strips of aircraft repair type tape are satisfactory tie materials. Note: Tying the safety cables to the shock struts will help prevent snagging tall grass, weeds or low bushes.
6. Inspect all bolts and nuts for correct installation and torque.
7. Fill out for 337 and update aircraft weight and balance records. The weight of the Safety Cable Kit is 2.9 LBS.



UPPER SAFETY CABLE ASSY ~ 2 REQUIRED

