

## LANDING GEAR - GENERAL

### 1. Scope

- A. This chapter gives maintenance information for the landing gear and associated components. Also included in this chapter are procedures to clean and paint the nose and main gear components.

### 2. Tools, Equipment and Materials

**NOTE:** Equivalent substitutes can be used for the items that follow:

NAME	NUMBER	MANUFACTURER	USE
Washers	153-00100	Cessna Aircraft Company Cessna Parts Distribution 5800 East Pawnee P. O. Box 1521 Wichita, KS 67218 USA	To provide the specified torque range for the main tire and wheel nuts.
Corrosion Protection Primer Base Activator Reducer	Type II 10P30-5Y EC-275 TR-115	Akzo Nobel Aerospace Coatings One East Water St. Waukegan, IL 60085	To lubricate the main landing gear mating surfaces of the spring, center spring, attach trunnion and pin.
Lubricant	Permatex Anti-Seize Lubricant	Commercially Available	To protect the nose gear wheel and bearings from corrosion.
Protectant	Royco 103	Royal Lubricants Co., Inc. River Road East Hanover, NJ 07936	To protect the internal surfaces of the main and nose gear wheels.
Grease	AMS/OIL GHD grease	Get in touch with Local Distributor	Alternate grease for lubricating the wheel bearings and zerk fittings.
	NYCO GN 3058 grease	Nyco FRANCE	Alternate greases approved for use on the NLG and ZMLG wheel bearings.
	Aeroshell Grease 58	Shell Aviation UK	Alternate greases approved for use on the NLG and ZMLG wheel bearings.
Glass Bead	MIL-G-9954 (Size 10 or Size 13)	Cataphote Incorporated 1001 Underwood Drive Jackson, Miss 39208	Paint removal on the main gear and center springs.
Sealant Semkit, (2.5 oz.)	Type 1, Class B-1/2	Cessna Aircraft Company	To fillet seal the main gear spring at the center spring.
Depth micrometer (pin type) with a tolerance of $\pm 0.001$ inch		Commercially available	To measure the damage to the landing gear springs.
4X magnifying glass		Commercially available	To inspect the landing gear springs.
Trunnion Puller	2609084-1	Get in touch with Cessna Propeller Aircraft Product Support at (316) 517-5800 or Fax (316) 942-9006.	To remove the attach trunnion from the center spring.
Main Landing Gear Spring Puller	T2680002-17	Get in touch with Cessna Propeller Aircraft Product Support at (316) 517-5800 or Fax (316) 942-9006.	To remove the main landing gear spring from the center spring.

Main Landing Gear Spring Puller	T2680001	Get in touch with Cessna Propeller Aircraft Product Support at (316) 517-5800 or Fax (316) 942-9006.	For removal of broken gear leg.
Hydraulic Jack	RLS201	Simplex Division of Templeton, Kenly & Co., Inc. 2525 Gardner Road Maywood, IL 60153-3719	To operate the T2680002-17 main landing gear spring puller (two required).
Hydraulic Hand Pump	P42	Simplex Division of Templeton, Kenly & Co., Inc.	To operate the hydraulic jacks used with the T2680002-17 main landing gear spring puller.
Penetrating Oil Basin	T2680002-18	Get in touch with Cessna Propeller Aircraft Product Support at (316) 517-5800 or Fax (316) 942-9006.	To use in between the center spring and main landing gear spring.
Penetrating Oil	Kroil	Kano Laboratories, Inc. P.O. Box 110098 Nashville, TN 37222-0098	To use in the basin between the center spring and main landing gear spring.
Locquic Primer T	Catalog Number 764-56	Loctite Corp. 705 North Mountain Road Newington, CT 06111	For the Brake Master Cylinder rod threads.
Loctite 222		Loctite Corp. 705 North Mountain Road Newington, CT 06111	For the Brake Master Cylinder rod threads.
Dri-Slide◆ Multi-Purpose Lubricant		Commercially Available	To lubricate the brake anchor bolts and torque plate bushings.
LPS Force 842◆ Dry Moly Lubricant		Commercially Available	To lubricate the brake anchor bolts and torque plate bushings.
Lubriplate X-357 Extreme Pressure Moly Lubricant		Commercially Available	To lubricate the brake anchor bolts and torque plate bushings.
Hydraulic Fluid	MIL-H-5606	Commercially Available	To use during the brake system bleeding

### 3. Definition

- A. This chapter is divided into sections to help maintenance personnel find information. Use the Table of Contents to help locate a particular subject. A brief definition of the sections in this chapter is as follows:
- (1) The section on the main landing gear gives instructions to troubleshoot, adjust, paint or clean and do maintenance practices for the main landing gear.
  - (2) The section on the nose landing gear gives instructions to troubleshoot, inspect or check, paint or clean and do maintenance practices for the nose landing gear.
  - (3) The section on the wheels and brakes gives description and operation information, and instructions to troubleshoot, adjust and test, and do maintenance practices for the main gear brake system.
  - (4) The section on the nose gear steering gives instructions to troubleshoot, adjust and test, paint or clean, or do maintenance practices, and gives approved repair procedures for the nose gear steering system and related components.