

**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS, UNITED STATES AIR FORCE  
WASHINGTON**

TECHNICAL ORDER  
NO. 01-100LAA-25

5 April 1950

**INSTALLATION OF NOSE GEAR EXTENSION RESTRICTOR - L-17A (RYAN)**

This technical order supersedes kit copies of T. O. No. 01-100LAA-25, dated 8 December 1949.

**By whom work will be accomplished:** Organizational maintenance activities, with the aid of field maintenance facilities if necessary.

**When work will be accomplished:** As soon as possible, but not later than the next 25-hour inspection period.

**AF form entry required:** 60A.

**1. PURPOSE.**

To provide a snubbing action for the nose gear during the extension stroke, thereby reducing the shock as the gear assumes the down locked position, a nose gear extension restrictor will be installed on all L-17A aircraft in accordance with the instructions contained in paragraph 2.

**2. MODIFICATION DATA.**

- a. Shut off the hydraulic fluid supply by pulling out control on instrument panel.
- b. Remove connector fitting, part No. 400X2, from upper end of nose gear actuating cylinder (opposite piston jack end) and replace with restrictor, part No. 145-58281.

c. Replace line and turn on hydraulic fluid.

d. Check landing-gear system for proper operation.

**3. SUPPLY DATA.**

a. The following part is required per aircraft to accomplish this change and will be furnished as a complete kit for initial installation in L-17A aircraft assigned to the National Guard and will be shipped without requisition in accordance with instructions contained in letter, Headquarters, USAF, dated 26 April 1949, Subject: "Modernization of L-16A and L-17A Airplanes," and letter, National Guard Bureau, dated 28 July 1949, same subject. Parts required for maintenance after the initial installation will be requisitioned from the individual property class.

QTY	STOCK NO.	PART NO.	NOMENCLATURE	CLASS	SOURCE
1	1300TO-01-100LAA25		KIT, "Installation of Nose Gear Extension Restrictor - L-17A," consisting of the following part: (UNIT COST \$ .20 )	15	AF Stock
1	0110-145-58281	145-58281	Nose Gear Extension Restrictor	01-M	

b. The following listed part removed in accordance with the preceding instructions will be condemned at once and so tagged for disposition as administratively condemned property.

PART NO.	NOMENCLATURE
400X2	Connector Fitting

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4. MAN-HOURS REQUIRED.

Approximately 1/2 man-hour is required per aircraft to accomplish this change.

5. WEIGHT AND BALANCE INFORMATION.

The change in weight and balance as a result of this modification is negligible.

BY ORDER OF THE SECRETARY OF THE AIR FORCE:

HOYT S. VANDENBERG  
Chief of Staff  
United States Air Force

B. W. CHIDLAW  
Lieutenant General, USAF  
Commanding General  
Air Materiel Command

Prepared by  
Maintenance Technical Section,  
Maintenance Div, Hq, AMC.

