

AIRCRAFT AND MAINTENANCE PARTS

20 October 1944

NORTH AMERICAN—REPLACEMENT OF MAIN FUEL CELL DRAIN NIPPLE— P-51B, P-51C, AND P-51D

This Technical Order replaces T. O. No. 01-60J-27, dated 10 October 1944, revised to change the model of airplanes listed in paragraph 1. that will be modified by the contractor.

NOTE As prescribed in T. O. No. 00-20A, appropriate reference to this Technical Order will be entered on AAF Forms 60-A for the aircraft affected. The work directed herein will be accomplished as soon as possible, and not later than the next 50-hour inspection period by service activities with the aid of base maintenance facilities, if necessary, and by manufacturing and modification establishments when directed by the Procurement Division, ATSC, in accordance with F.O. Memo 150-4. Spare fuel cell assemblies, part Nos. 102-48003-50RA, LH, and 102-48003-51RA, RH, in stock, will be reworked prior to issue in accordance with instructions contained in paragraph 2.

1. PURPOSE.

To prevent failure of the nipple in the main fuel cell drain assembly, with resultant loss of fuel and possible fire hazard, the currently installed nipple in the main fuel cell drain assembly on the following listed airplanes will be replaced with a heavier type nipple in accordance with the instructions contained in paragraph 2.

MODEL	AF SERIAL NOS.
P-51B	42-106429 to 42-106538 inclusive
	42-106541 to 42-106978 inclusive
	43-7113 to 43-7202 inclusive
	43-24752 to 43-24840 inclusive
P-51C	42-102979 to 42-103653 inclusive
P-51D	44-13253 to 44-13258 inclusive

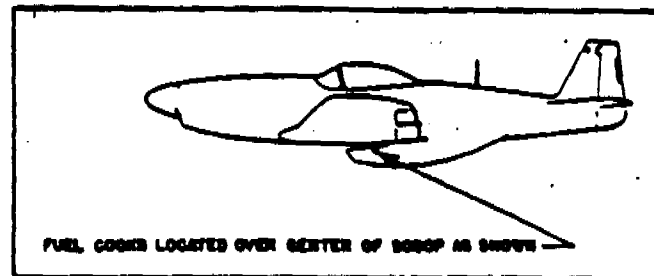
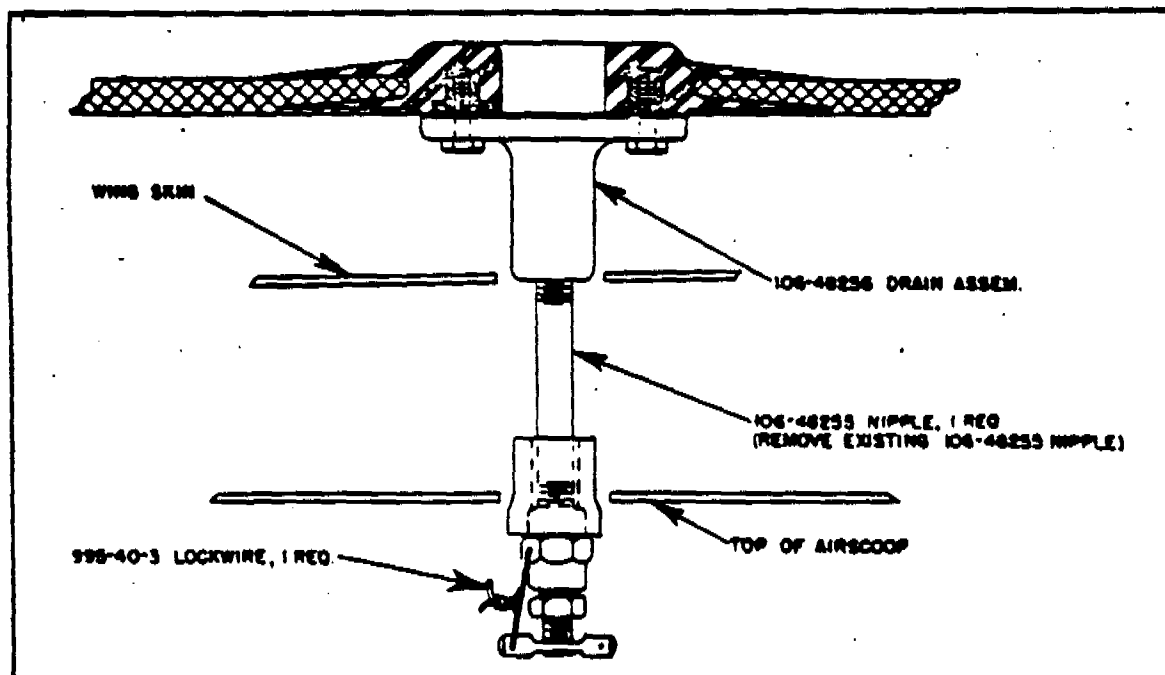


Figure 1 - Location of Main Cell Drain Cocks

Model P-51B airplane, AF No. 43-24841 and subsequent, P-51C airplanes, AF No. 42-103654 and subsequent, P-51D and P-51K airplanes, AF Nos. 44-11153 to 44-13252 inclusive, and P-51D airplane, AF No. 44-13259 and subsequent, will be modified by the contractor prior to delivery.

Figure 2
Fuel Cell
Drain Nipple



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Compliance with these instructions is MANDATORY within the continental United States. Within
boundaries of operation, compliance will be at the direction of Task Force Commanders concerned.

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T. O. No. 01-60J-27

2. REPLACEMENT.

The instructions for accomplishing this change are as follows:

a. Drain the main fuel tanks in accordance with the instructions contained in the applicable Handbook of Erection and Maintenance Instructions.

b. Remove the fuel drain cock, coupling nut, and protective hose from the bottom of the right- and left-hand nipple, part No. 106-48255, located inside the air scoop. (See figure 1.)

c. Remove the existing nipple, part No. 106-48255, which extends down from the drain casting in the wing to the inside of the air scoop. (See figure 2.)

d. Paint two red stripes, 1/2 inch wide, around the new type left- and right-hand nipples for identification,

since both the old type and new type nipples bear the same part number.

e. Install the new type nipples, part No. 106-48255, in the drain casting in the wing.

f. Reinstall the fuel drain cock, coupling nut, and hose removed in paragraph 2.b.

g. Safety the fuel drain cock and coupling nut with lock wire, part No. 995-40-3.

3. SUPPLY INFORMATION.

a. The following parts are required per airplane to accomplish this change. These parts are furnished as complete kits for initial installation and will be requisitioned in accordance with T. O. No. 00-35A-15. Parts required for maintenance after the initial installation or for modification of spares in stock will be requisitioned from the property classes as indicated.

QTY	STOCK NO.	PART NO.	NOMENCLATURE	CLASS	SOURCE
1	1300TO-01-60J27		KIT, "Replacement of Main Fuel Cell Drain Nipple - P-81B, P-81C, and P-81D," consisting of the following parts:	15	AF Stock
2		106-48255	Nipple - Fuel drain	01-M	
2		995-40-3	Wire - Lock	04-A	

b. Old type fuel drain nipple, part No. 106-48255, removed in accordance with the preceding instructions, and all like items in stock will be condemned at once, and so tagged for disposition as condemned property.

c. One complete kit of parts packed for shipment measures 2 x 2 x 4 inches and weighs approximately 1/3 pound.

4. MAN-HOURS REQUIRED.

Approximately 1 man-hour is required to accomplish this change.

By Command of General ARNOLD:

Prepared by Miscellaneous Equipment
Section, Maintenance Div, Hq, ATSC.

BENNETT E. MEYERS
Major General, U.S.A.
Deputy Director
Air Technical Service Command