

2 July 1945

AIRCRAFT AND MAINTENANCE PARTS

**NORTH AMERICAN—REPLACEMENT OF FUEL SELECTOR SWITCH—P-51B,
P-51C, P-51D, AND P-51K**

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. Spare Controls - Fuel Selector in stock, listed in paragraph 1.b., will be reworked prior to issue.

1. a. To provide a more reliable fuel selector switch, a switch of improved design will be installed on the following airplanes in accordance with the instructions contained in paragraph 2.

MODEL	AF SERIAL NOS.
P-51B	43-12093 to 43-12492 inclusive
	43-6313 to 43-7202 inclusive
	42-106429 to 42-106538 inclusive
	42-106541 to 42-106978 inclusive
P-51C	43-24752 to 43-24901 inclusive
	42-102979 to 42-103978 inclusive
	43-24902 to 43-25251 inclusive
	44-10753 to 44-11152 inclusive
P-51D (Inglewood)	44-13253 to 44-15752 inclusive
P-51D (Dallas)	44-63160 to 44-63959 inclusive
P-51K	44-11153 to 44-11352 inclusive
	44-11353 to 44-12152 inclusive

P-51D airplane, AF No. 44-63960 Inglewood Production and subsequent, and P-51K airplane, AF No. 44-12153 Dallas Production and subsequent, will incorporate this change prior to delivery from the contractor.

b. The following maintenance spare parts in stock will be modified prior to issue:

PART NO.	NOMENCLATURE	CLASS
106-48047	Control - Fuel selector	01-M
106-481047	Control - Fuel selector	01-M
106-481047-2	Control - Fuel selector	01-M

2. The instructions for accomplishing this installation, as contained in North American Service Bulletin P-51-217, are as follows:

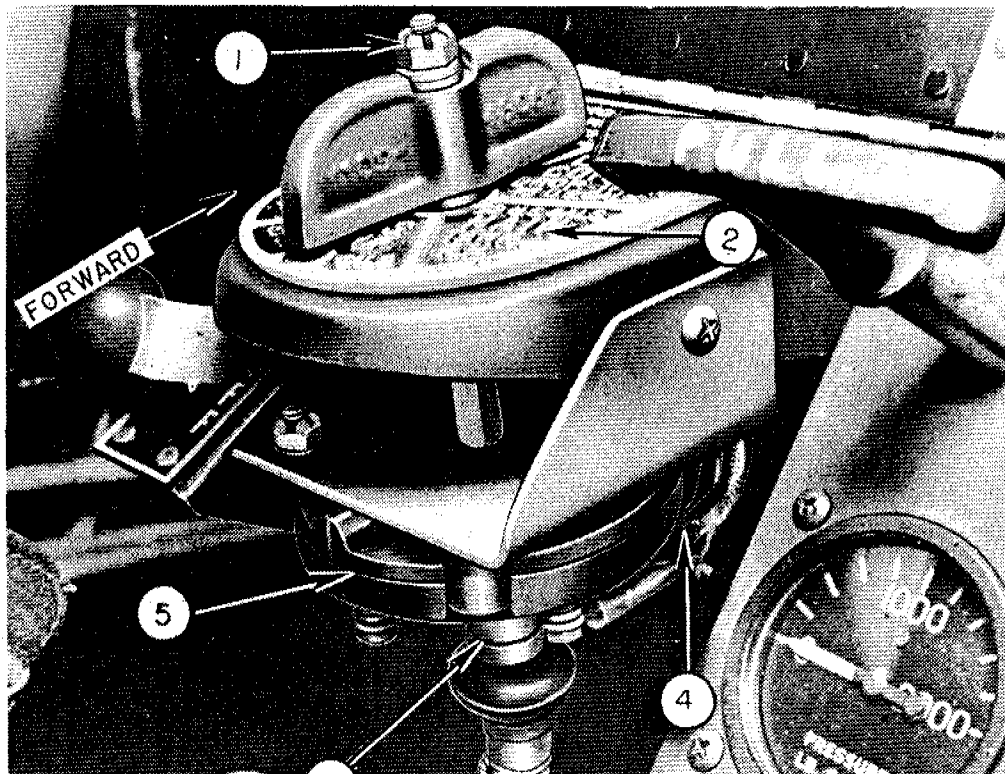


Figure 1

NOTICE: This document contains information affecting the national defense of the United States within the meaning of the Espionage Act, 50 U. S. C., 31 and 32, as amended. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

a. Locate the fuel selector switch in the pilot's cockpit. Remove the control handle by removing the nut and washer securing it to the rod. Remove the plastic dial from the switch bracket. (See figure 1.)

b. Remove the top pin securing the universal joint to the upper section of selector control rod. Pull the upper rod out of the selector assembly from the top side of the bracket.

NOTE All P-51B and P-51C airplanes, and early P-51D and P-51K airplanes, were equipped with two switches, NA1 and NA2. Later P-51D and P-51K airplanes have only one switch (NA1) installed.

c. Locate the fuel selector switch (or switches) just below the fuel selector dial position. Note the terminals to which the electrical wires are attached so that wires may be reconnected properly. Disconnect the wires from the terminals on the switch.

d. Remove the selector switch (or switches) from the fuel selector assembly, by removing the three attaching screws and nuts.

NOTE The improved type switch contained in either parts kit will be identified by red letters on the bottom of the switch. Letters on the old switch are white or yellow. On airplanes requiring two switches, the NA1 switch is installed on the top side of the bracket, and the NA2 switch on the lower side.

e. Attach all wires to terminals on switch.

f. Insert the upper section of control rod through the center of the bracket and selector switch, and secure it to the universal joint with the original pin removed in paragraph 2.b. Safety the pin to the rod with lock wire. Reinstall the dial with the screws as removed in paragraph 2.a.

g. Reinstall the fuel selector control handle using the original attaching washers and nut as removed in paragraph 2.a.

3. 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 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-01-60J42		KIT "A," "Replacement of Fuel Selector Switch - P-51B, P-51C, P-51D, AF No. 44-13253 to 44-14052 Inclusive, 44-11153 to 44-11352 Inclusive, and P-51K, AF No. 44-11353 to 44-11552 Inclusive," consisting of the following parts:	15	AF Stock
1	6800-785800		Steel - Wire, soft zinc coated, .0317 x 4 inches, Specification No. AN-QQ-W-435	23-A	
1		NA1 (in red)	Switch - (Paul Henry) fuel selector	03-C	
1		NA2 (in red)	Switch - (Paul Henry) fuel selector	03-C	
1	1300TO-01-60J42		KIT "B," "Replacement of Fuel Selector Switch - P-51D, AF No. 44-14053 to 44-15752 Inclusive, 44-63160 to 44-63959 Inclusive and P-51K, AF No. 44-11553 to 44-12152 Inclusive," consisting of the following parts:	15	AF Stock
1	6800-785800		Steel - Wire, soft zinc-coated .0317 x 4 inches, Specification No. AN-QQ-W-435	23-A	
1		NA1 (in red)	Switch - (Paul Henry) fuel selector	03-C	

b. The following parts, 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.

PART NO.	NOMENCLATURE	CLASS
NA1 (so marked in white or yellow)	Switch - (Paul Henry) fuel selector	03-C
NA2 (so marked in white or yellow)	Switch - (Paul Henry) fuel selector	03-C

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

5. The weight change effected by this replacement is negligible.

BY COMMAND OF GENERAL ARNOLD:

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

L. T. MILLER
Major General, U. S. A.
Acting Director
Air Technical Service Command

2 July 1946

AIRCRAFT AND MAINTENANCE PARTS

**NORTH AMERICAN—REPLACEMENT OF FUEL SELECTOR SWITCH—P-51B,
P-51C, P-51D, AND P-51K**

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1. a. To provide a more reliable fuel selector switch, a switch of improved design will be installed on the following airplanes in accordance with the instructions contained in paragraph 2.

P-51D airplane, AF No. 44-63960 Inglewood Production and subsequent, and P-51K airplanes, AF No. 44-12153 Dallas Production and subsequent, will incorporate this change prior to delivery from the contractor.

MODEL	AF SERIAL NOS.
P-51B	43-12093 to 43-12492 inclusive
	43-6313 to 43-7202 inclusive
	42-106429 to 42-106538 inclusive
	42-106541 to 42-106978 inclusive
	43-24752 to 43-24901 inclusive
P-51C	42-102979 to 42-103978 inclusive
	43-24902 to 43-25251 inclusive
	44-10753 to 44-11152 inclusive
P-51D (Inglewood)	44-13253 to 44-15752 inclusive
	44-63160 to 44-63959 inclusive
P-51D (Dallas)	44-11153 to 44-11352 inclusive
P-51K	44-11353 to 44-12152 inclusive

b. The following maintenance spare parts in stock will be modified prior to issue:

PART NO.	NOMENCLATURE	CLASS
106-48047	Control - Fuel selector	01-M
106-481047	Control - Fuel selector	01-M
106-481047-2	Control - Fuel selector	01-M

2. The instructions for accomplishing this installation, as contained in North American Service Bulletin P-51-217, are as follows:

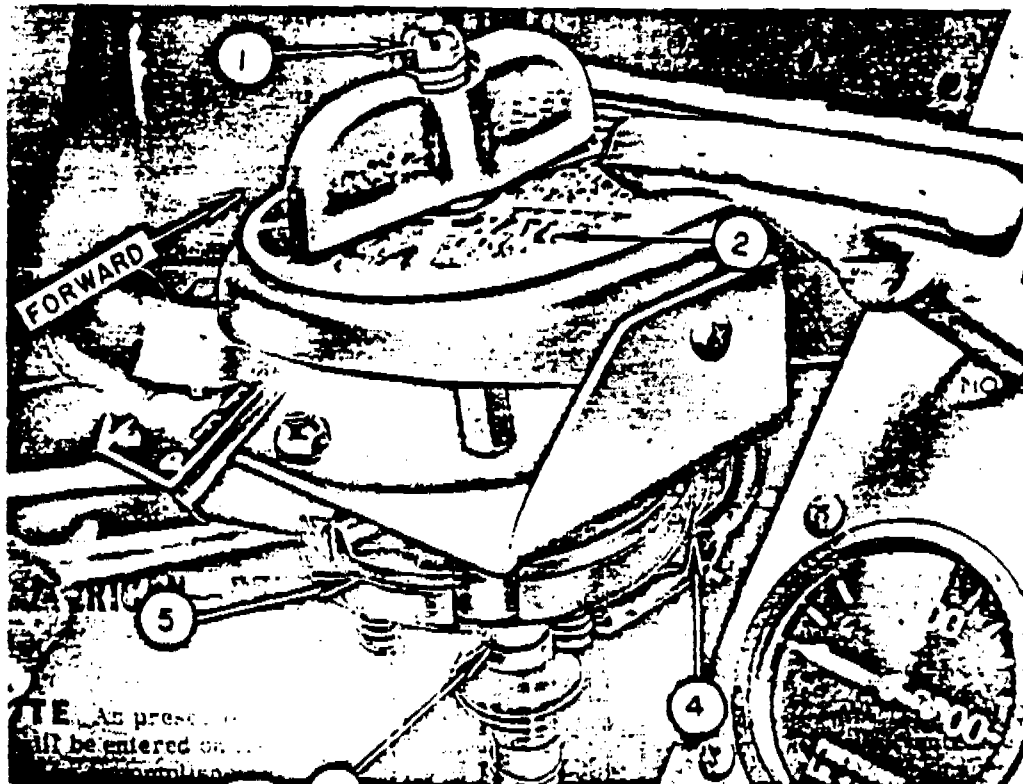


Figure 1

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a. Locate the fuel selector switch in the pilot's cockpit. Remove the control handle by removing the nut and washer securing it to the rod. Remove the stic dial from the switch bracket. (See figure 1:)

b. Remove the top pin securing the universal joint to the upper section of selector control rod. Pull the upper rod out of the selector assembly from the top side of the bracket.

NOTE All P-51B and P-51C airplanes, and early P-51D and P-51K airplanes, were equipped with two switches, NA1 and NA2. Later P-51D and P-51K airplanes have only one switch (NA1) installed.

c. Locate the fuel selector switch (or switches) just below the fuel selector dial position. Note the terminals to which the electrical wires are attached so that wires may be reconnected properly. Disconnect the wires from the terminals on the switch.

d. Remove the selector switch (or switches) from the fuel selector assembly, by removing the three attaching screws and nuts.

NOTE The improved type switch contained in either parts kit will be identified by red letters on the bottom of the switch. Letters on the old switch are white or yellow. On airplanes requiring two switches, the NA1 switch is installed on the top side of the bracket, and the NA2 switch on the lower side.

e. Attach all wires to terminals on switch.

f. Insert the upper section of control rod through the center of the bracket and selector switch, and secure it to the universal joint with the original pin removed in paragraph 2.b. Safety the pin to the rod with lock wire. Reinstall the dial with the screws as removed in paragraph 2.a.

g. Reinstall the fuel selector control handle using the original attaching washers and nut as removed in paragraph 2.a.

3. 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 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-01-60J42		KIT "A," "Replacement of Fuel Selector Switch - P-51B, P-51C, P-51D, AF No. 44-13283 to 44-14062 Inclusive, 44-11163 to 44-11382 Inclusive, and P-51K, AF No. 44-11353 to 44-11552 Inclusive," consisting of the following parts:	15	AF Stock
1	6800-785800		Steel - Wire, soft zinc coated, .0317 x 4 inches, Specification No. AN-QQ-W-435	23-A	
1		NA1 (in red)	Switch - (Paul Henry) fuel selector	03-C	
1		NA2 (in red)	Switch - (Paul Henry) fuel selector	03-C	
1	1300TO-01-60J42		KIT "B," "Replacement of Fuel Selector Switch - P-51D, AF No. 44-14053 to 44-15752 Inclusive, 44-63160 to 44-63959 Inclusive and P-51K, AF No. 44-11553 to 44-12152 Inclusive," consisting of the following parts:	15	AF Stock
1	6800-785800		Steel - Wire, soft zinc-coated .0317 x 4 inches, Specification No. AN-QQ-W-435	23-A	
1		NA1 (in red)	Switch - (Paul Henry) fuel selector	03-C	

b. The following parts, 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.

PART NO.	NOMENCLATURE	CLASS
NA1 (so marked in white or yellow)	Switch - (Paul Henry) fuel selector	03-C
NA2 (so marked in white or yellow)	Switch - (Paul Henry) fuel selector	03-C

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