



SERVICE BULLETIN

No. 181

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

FAA APPROVED

November 5, 1959

SUBJECT: Replacement of 1/8 - 7 x 19 Flexible Stainless Steel Control Cables

MODELS AFFECTED: PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150"
Serial Nos. 18-6289, 18-6301, 18-6332, 18-6375, 18-6398,
18-6418, 18-6424, 18-6434, 18-6437, 18-6438, 18-6444,
18-6463, 18-6466, 18-6540, 18-6604, 18-6606, 18-6609,
18-6616, 18-6657, 18-6668, 18-6679, 18-6680, 18-6681,
18-6682, 18-6771, 18-6855, 18-6914, 18-6924, 18-6981,
18-6991, 18-6992, 18-6993, 18-7018, 18-7025, 18-7037,
18-7043, 18-7047, 18-7058, 18-7071, 18-7072, 18-7075,
18-7078, 18-7093. SEE NOTE "A".

PA-22 "150", PA-22S "150", PA-22 "160", PA-22S "160"
Serial Nos. 22-6116, 22-6167, 22-6359, 22-6421, 22-6466,
22-6550, 22-6704, 22-6758, 22-6883. SEE NOTE "A".

COMPLIANCE DATE: Next 10 Hours of Operation

A few nicopress sleeves installed on 1/8" - 7 x 19 flexible stainless steel control cables have cracked due to contaminated stainless cable. These cracked sleeves have been found in stock only. Cracked nicopress sleeves have not been found on aircraft; however, to preclude the possibility of contaminated cables in aircraft, which may lead to cracked nicopress sleeves, it shall be necessary that all 1/8" 7 x 19 flexible stainless steel control cables installed on the above listed airplanes be removed and replaced with new cables within the next ten (10) hours of flight operation.

The replacement cables are not to be obtained from any existing Dealer or Distributor's stock, but are to be ordered direct from the Service Spares Division at Piper Aircraft Corporation, Lock Haven, Pennsylvania through your Piper Distributor.

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The following is a list of the affected control cables and their respective replacement parts which apply to the aircraft serial numbers listed after "MODELS AFFECTED", exclusive of the aircraft listed under Note "A". See sketches A, B and C for identification.

MODELS PA-18-18S "150" AND PA-18A-18AS "150"

Replace			Install		
Stainless Steel Cables	Qty.	Nomenclature	Replacement Cables	Aircraft Application	
Part No.	Req.		Part No.	PA-18	PA-18A
12794-03	1	Cable - Flap	12794-00	X	
13271-02	1	Cable - Flap	13271-00		X
13745-02	1	Cable - Elevator, lower	13745-00	X	X
40123-44	2	Cable - Aileron	40123-03	X	X
40123-86	2	Cable - Flap	40123-77	X	
40123-87	2	Cable - Aileron	40123-76	X	X

MODELS PA-22-22S "150" AND "160"

Replace			Install	
Stainless Steel Cables	Qty.	Nomenclature	Replacement Cables	
Part No.	Req.		Part No.	
11527-03	4	Cable - Aileron	11527-02	
12515-04	1	Cable - Flap	12515-03	
13108-03	1	Cable - Aileron	13108-02	
13109-13	1	Cable - Rudder, LH	13109-10	
13109-15	1	Cable - Rudder, RH	13109-12	
40123-83	1	Cable - Elevator	40123-68	
40123-84	1	Cable - Aileron balance	40123-69	
40123-94	1	Cable - Flap	40123-93	

NOTE "A": Certain stainless steel cables were secured as replacement spares and it shall also be necessary to replace these cables. The following listing indicates the affected aircraft, stainless steel cables and their respective replacement parts.

PA-18A "150" Serial No. 18-4260

Replace			Install	
Stainless Steel Cables	Qty.	Nomenclature	Replacement Cables	
Part No.	Req.		Part No.	
13271-02	1	Cable - Flap control	13271-00	
13745-02	1	Cable - Elevator	13745-00	
40123-87	2	Cable - Aileron	40123-76	

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<u>PA-18A "150" Serial No. 18-6310</u>			
<u>Replace</u> Stainless Steel Cables <u>Part No.</u>	<u>Qty.</u> <u>Req.</u>	<u>Nomenclature</u>	<u>Install</u> Replacement Cables <u>Part No.</u>
13745-02	1	Cable - Elevator	13745-00
<u>PA-18A "150" Serial No. 18-6127</u>			
13745-02	1	Cable - Elevator	13745-00
<u>PA-18A "150" Serial No. 18-6501</u>			
40123-87	2	Cable - Aileron	40123-76
<u>PA-18A "135" Serial No. 18-1887</u>			
40123-87	2	Cable - Aileron	40123-76
<u>PA-18A "150" Serial No. 18-4860</u>			
40123-87	2	Cable - Aileron	40123-76
<u>PA-18A "125" Serial No. 18-1667</u>			
10870-12	1	Cable - Elevator	10870-08

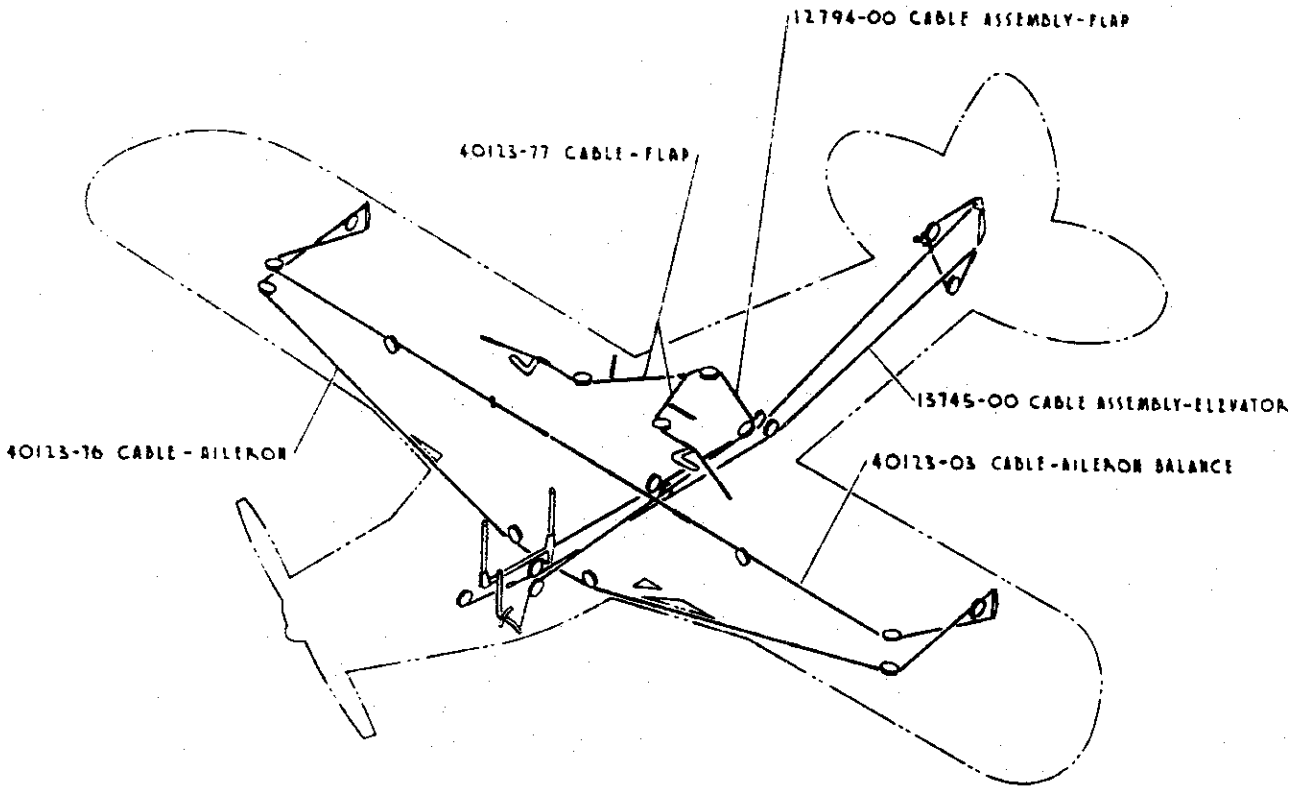
All of the listed replacement cables are available free of charge through your nearest Piper Distributor or Dealer.

NOTE:

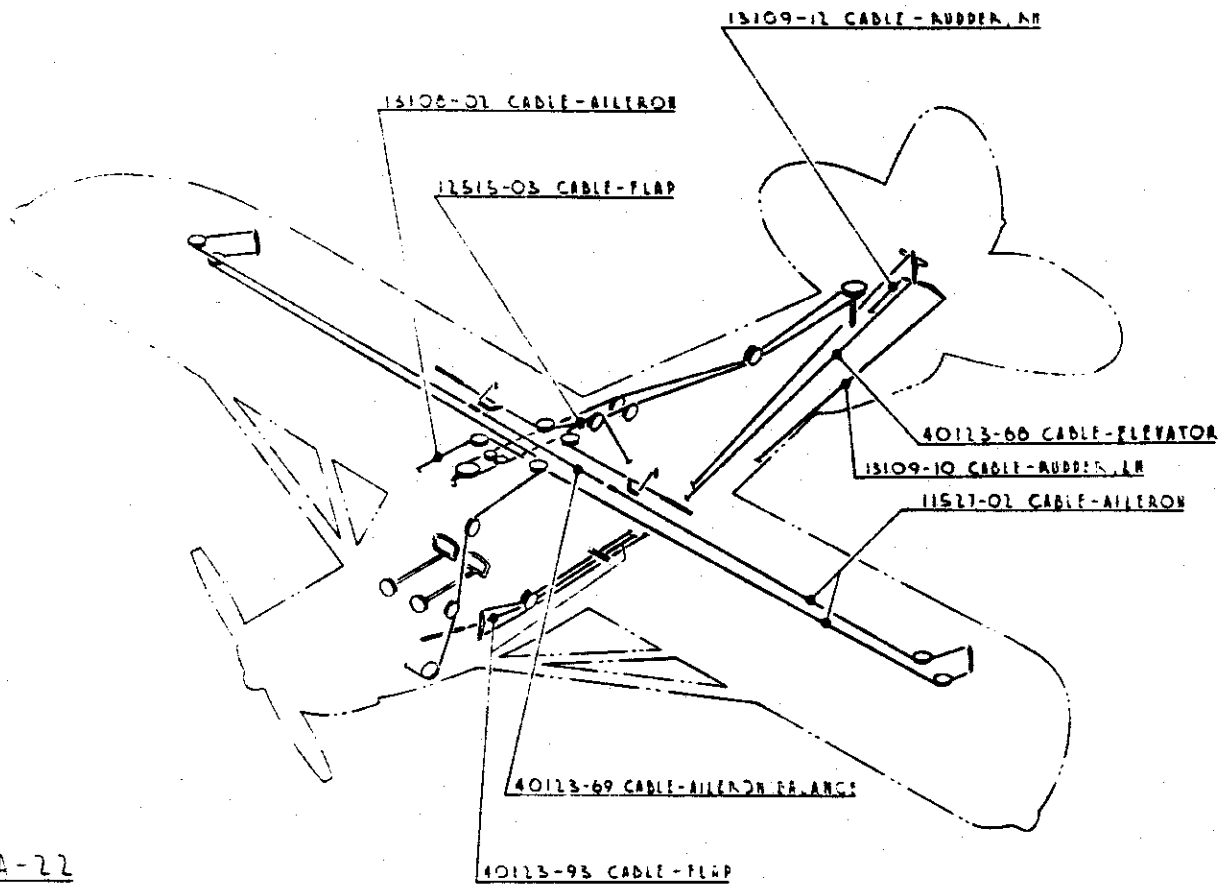
1. All cables which are specified for removal shall be returned to Piper Aircraft Corporation Service Department accompanied by the airplane serial number from which they were removed.
2. All stainless steel control cables listed above which are in the Distributors or Dealers stock shall immediately be returned to Piper Aircraft Corporation Service Department.
3. The stainless steel cables referred to in Notes 1 and 2 are to be returned by following the normal Warranty and Credit Claim procedure. Six warranty labor hours will be allowed for the Models PA-18 and PA-18A airplanes and eight hours for the Model PA-22 airplanes, exclusive of the aircraft listed under Note "A". Warranty labor hours for these airplanes is as follows:

<u>Serial No.</u>	<u>Warranty Labor</u>	<u>Serial No.</u>	<u>Warranty Labor</u>
18-4260	4 hours	18-6501	1 hour
18-6310	1 hour	18-1887	1 hour
18-6127	1 hour	18-4860	1 hour
		18-1667	1 hour

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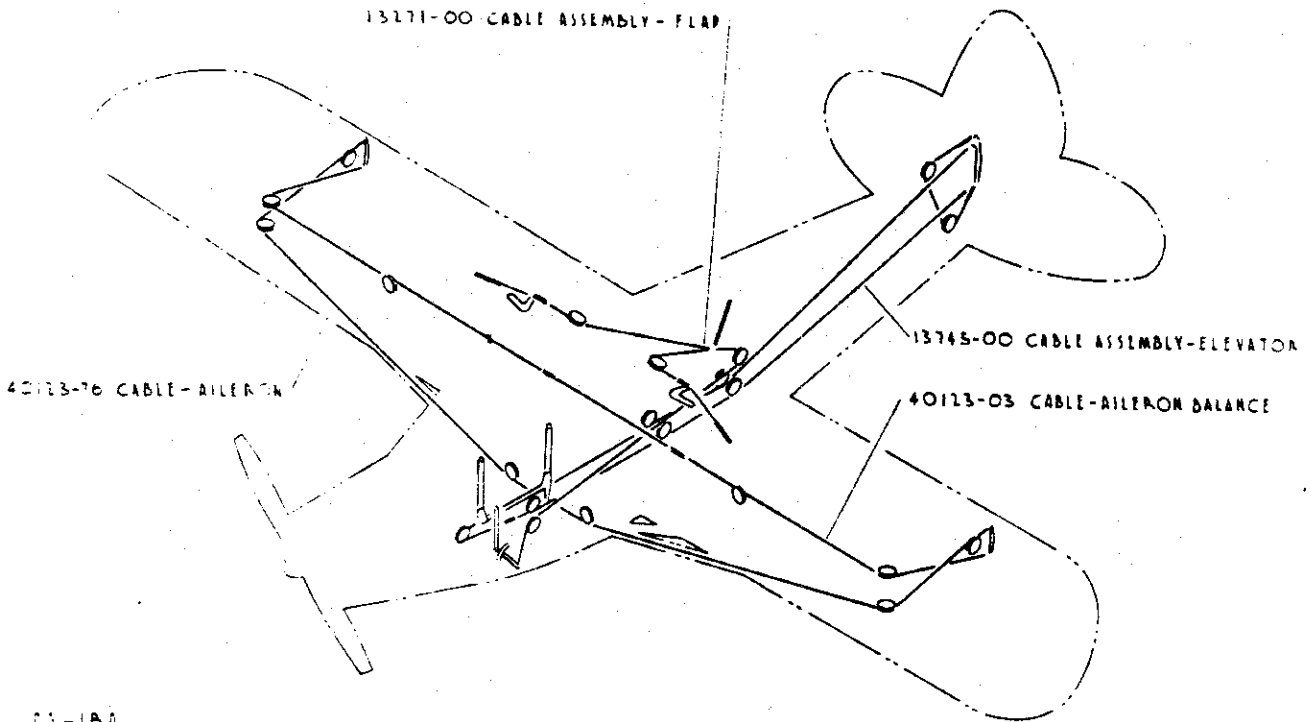


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PA-10A