



SERVICE LETTER

CABLE ADDRESS
CESSCO WICHITA

COMMERCIAL DIVISION

CESSNA AIRCRAFT COMPANY

WICHITA KANSAS

February 22, 1963

63-11

TO: CESSNA SALES AND SERVICE ORGANIZATION

#1
MUFFLER CONE
REINFORCEMENT
MODELS 180-182-
185

Tabbs have recently been added to the cone base on the inside of the engine exhaust muffler to strengthen the weld joint between the cone and the end plate. This change began on production at the following serials:

Serial Number 18051236 and on
Serial Number 18254660 and on
Serial Number 185-0568 and on

New muffler assemblies incorporating the reinforced cone are available from the Cessna Parts Department for replacement purposes - the Part Number remains the same (0750130-44 on the Model 180 and 182, and 0750161-28 on the Model 185).

NOTE: Tabbs have also been added to the earlier 180 and 182 mufflers, Part Number 0750130-9 and Part Number 0750130-12, and are available from the Cessna Parts Department (Reference: Index #8 and #9, Page 229, 180-182 Parts Catalog).

Because there have been some instances of cones burning up or breaking loose from the end plate, the question has been asked regarding operation of the crossover type muffler without cones. The crossover type muffler may be operated without cones; however, this results in an approximate 20% loss of cabin heat and carburetor heat. The loss in carburetor heat can be recovered by installation of the new carburetor heat system used on the 1963 Model 182. Installation of this new system on earlier airplanes is covered in the attached Service Kit, SK180-24, and is available from the Cessna Parts Department, suggested list price is \$23.20 (S).

If the crossover type muffler is operated without cones, the following conditions must first be met.

- 1) On the Model 180 and Model 182, Service Kit SK180-24 must be installed on serials affected (Reference - attached Kit).

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- 2) To eliminate the possibility of hot spots being created inside the muffler, all pieces of cones must be removed.

(Owner Notification System - No. 1, As Applicable)

#2
NON-CONGEALING
OIL COOLER -
MODELS 180-182-
185-205-210

As noted in the 1963 Accessory Price Lists, non-congealing oil coolers are now available on all models incorporating the 0470 Series engines. These same coolers are available and can be installed on earlier airplanes, if desired.

The attached chart outlines parts required for making this conversion. All parts shown are available from the Cessna Parts Department.

(Owner Notification System - No. 1, As Applicable)

CESSNA AIRCRAFT COMPANY

SERVICE

Kit

SK 180-24
NOVEMBER 13, 1962
REVISED MAY 27, 1963

Title MODIFICATION OF CARBURETOR & CABIN HEAT SYSTEM

T H E P I L O T ' S A I R P L A N E

Cessna.

MODELS AFFECTED

180
182

SERIALS AFFECTED

32151 & on
33000 thru 18254373

CHANGE IN WEIGHT & BALANCE: Negligible.

PARTS LIST:

QUANTITY	PART NUMBER	NOMENCLATURE
1	10180-007	Blueprint
1	10180-007-2	Outlet Cap
1	0750607-4	Shroud Assembly
1	0750607-5	Shroud Assembly
1	0750608-1	Support
1	AN3-12A	Bolt
1	AN741-17	Clamp
2	AN960-10	Washer
1	MS20365-1032C	Nut
2	A814-8Z-6	Nut
2	S-1021Z8-6	Screw
1	S-1053K20T25.0	Hose

(SK180-24)

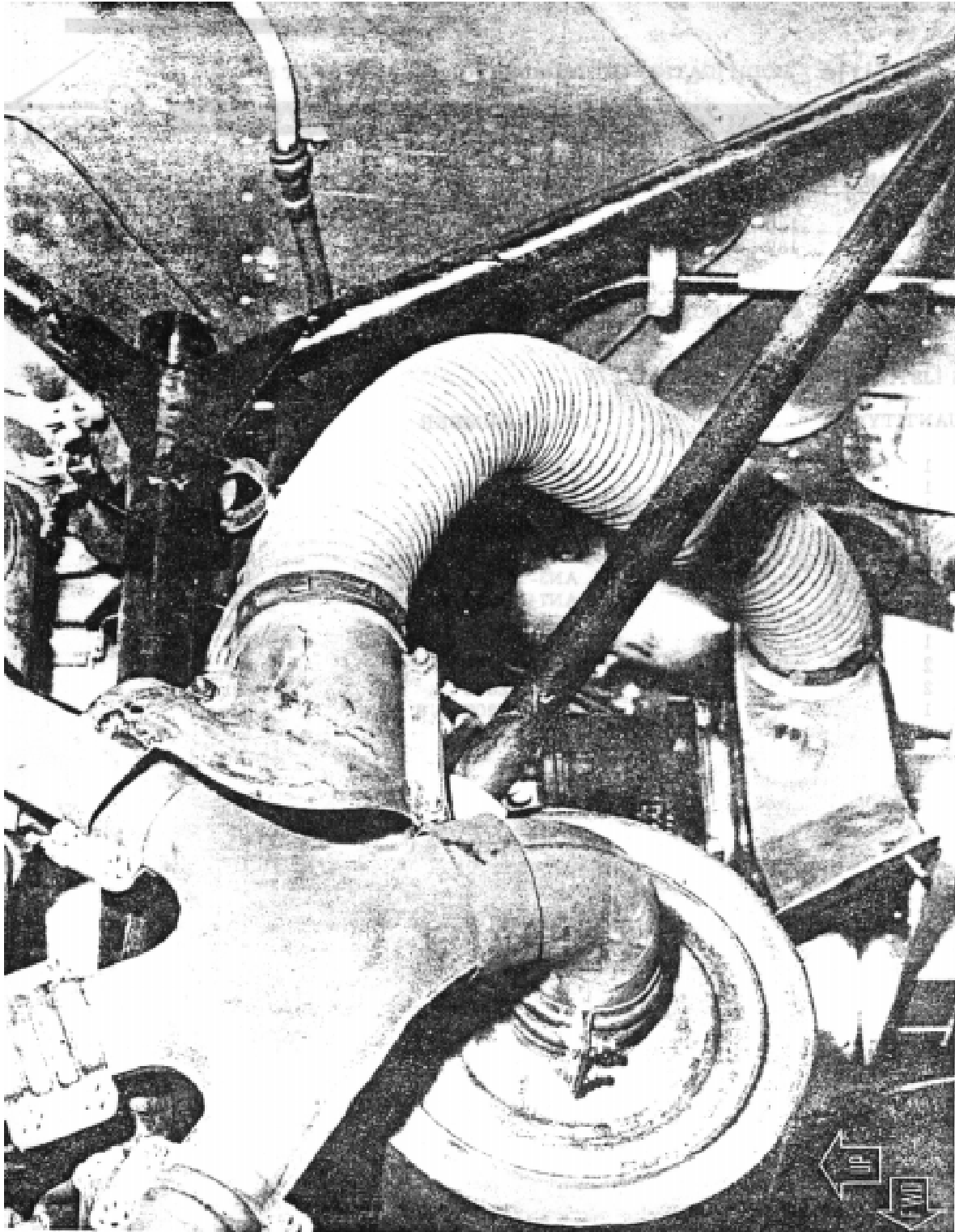


CHART FOR CONVERTING TO NON-CONGEALING OIL COOLER
(MODELS 180-182-185-205-210)

AIRPLANE MODELS	TYPE OF OIL COOLER PRESENTLY INSTALLED	PARTS REQUIRED TO CONVERT TO NON-CONGEALING OIL COOLER
PRIOR TO 1963 MODELS 180-182- 185 AND 210	Part #534503 - Vertical Flow Oil Cooler Part #625093 - Horizontal Flow Oil Cooler Part #626189 - Large Capacity Oil Cooler	1 each - EQ5914 Non-Congeaing Oil Cooler - Priced \$303.29 each, Net *1 each - Part #0700123-2 Baffle - Suggested List Price \$15.80 (S) 1 each - Part #0700123-4 Baffle - Suggested List Price \$1.34 (S)
BEGINNING 1963 MODELS 180-182- 185-205-210 AND ON	Part #625093 - Horizontal Flow Oil Cooler Part #626189 - Large Capacity Oil Cooler	1 each - EQ5914 Non-Congeaing Oil Cooler - Priced \$303.29 each, Net 1 each - Part #0750152-3 Baffle - Suggested List Price \$0.43 (S), plus following items on airplanes as indicated - - - <u>Models 180-185 Only</u> 1 each - Part #0700123-2 Baffle - Suggested List Price \$15.80 (S) 1 each - Part #0700123-4 Baffle - Suggested List Price \$1.34 (S) 1 each - Part #S202RB -- Moulding - Suggested List Price \$0.15 (S), per foot <u>Models 182-205-210</u> 1 each - Part #1200614-2 Baffle - Suggested List Price \$13.10 (S) 1 each - Part #1200614-4 Baffle - Suggested List Price \$2.50 (S)

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CHART FOR CONVERTING TO NON-CONGEALING OIL COOLER
(MODELS 180-182-185-205-210)

NOTE:

- 1) *Baffle - Part #0700123-2, has opening in it for cabin air intake hose. On the following models, this opening will need to be covered since cabin intake air is not taken from this location on these airplanes.
 - a. Model 180 - - Serial 30000 through 50355
 - b. Model 182 - - Serial 33000 through 51556 and
Serial 18253599 and on
 - c. Model 205 - - All Serials
 - d. Model 210 - - All Serials
- 2) Included in the EQ5914 Kit is the non-congealing oil cooler, a vernatherm, an adapter plate and associated gaskets and studs.
- 3) The non-congealing oil cooler has been standard equipment on all 320's. It became standard equipment on the Model 310, beginning with the Model 310D and on. Assessor's Kit, AK310-53 (one kit required per airplane), suggested list price \$584.26 (X), is available from the Cessna Parts Department to cover installation of the non-congealing oil cooler on 310's prior to the "D" model.