

Heater 576 - rev 23.3

Installation Instructions

Heater # 576 comes as a complete unit.

1. Remove original heater # C2EE281A and c2EE655 and/or stub exhaust as the case may be.
2. Remove panel assembly below fuselage, between rudder pedals.
3. Remove elbow assembly part #C2V151A (make sure to slacken clamp inside fuselage).
Re-Install elbow 180° from its original position (facing forward).

Re-tighten clamp. Careful attention should be given to the metal tubing joining the elbow as it is often damaged by vibration. Repair if necessary. It is highly recommended to insulate (asbestos) the heater conduit between the skin and the floor of the aircraft.

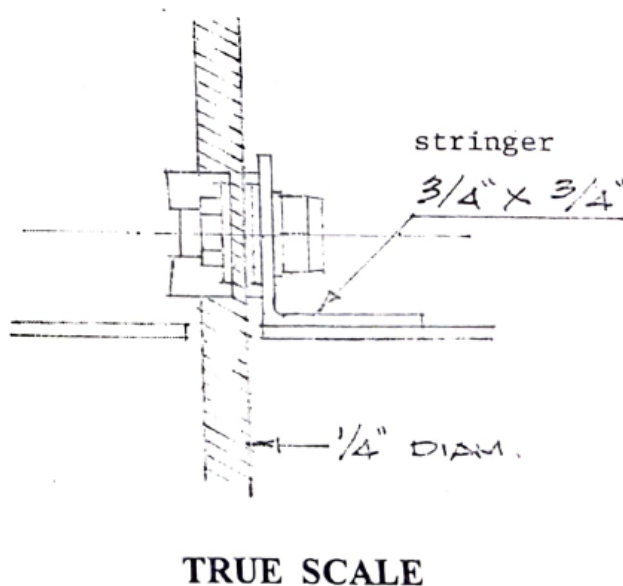
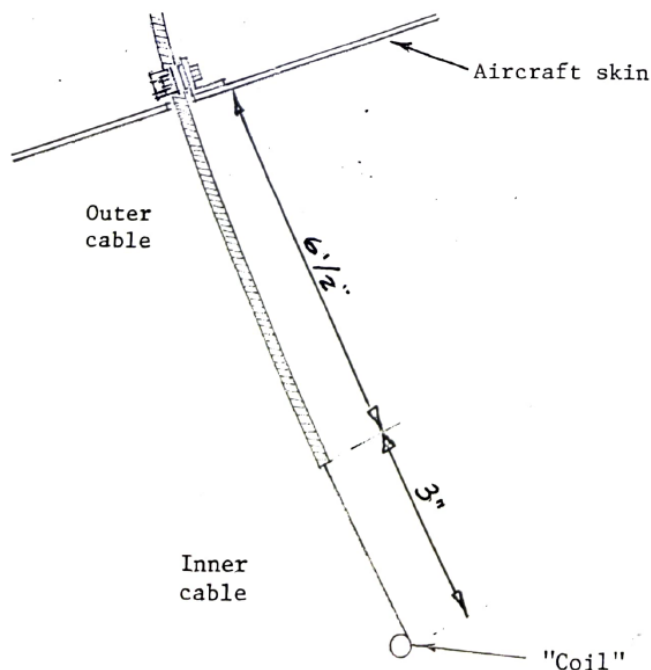
4. Re-route control assembly part # F21020-15 in order to protrude adjacent to the right side of access hole, one (1) inch behind second (2nd) Dzus fastener. (See fig. 24). Drill ¼" inch hole just clearing stringer. Pass control assembly through hole. Outer casing should protrude 6 1/2 inches and inner cable to protrude 3 inches beyond; allow 1 inches extra on inner cable for coil.
5. Install heater part # 576 onto exhaust system, with cold air hole facing forward (45° angle also facing forward). Bend slightly bracket on exhaust system, in order to allow heater to bottom against exhaust flange.
6. When heater is aligned, drill through existing holes. Bolt using AN3C-5 Bolts and matching washers. Use AN363C-1032 nuts. A minimum of 4 bolts equidistant must be installed.
7. Install flex tube with clamps. Cover flex tube with asbestos or heat shield hose for conservation of heat.
8. Adjust push-pull heat control cable 3/16 th inch from full down position. Adjust dump valve in dump position. Coil push-pull cable around AN-3 bolt as shown on diagram below. A minimum of 2 coils is required. Once coiled, cut off excess; clamp a pair of Visegrip around coil which is on the AN3 bolt and rotate Visegrip in order to reduce the diameter of coil so it will be snug on bolt. Connect to bolt on arm of dump valve with washer on each side of coil. Use nut to secure and allow just enough clearance to allow coil to rotate on bolt. Clamp control assembly to stringer using clamps removed to re-route cable. This will be your final adjusting clamp for travel adjustment.

Heater 576

IMPORTANT

Make sure travel bottoms on both settings (cold or hot); this to prevent vibration and wear on shaft.

It is very important that in dump position, the cable exert a constant pressure on dump valve, this will prevent vibration of the dump valve



OPERATIONS

The Operation is the same as original: PULL for Heat. PUSH to dump.

INSPECTION

Inspect every 100 hours as described in A.D. CF-90-03R1. See Appendix A. and USA AD 74-17-03

WEIGHT AND BALANCE AMENDMENT

Item	Weight	Old Ref Datum	New Ref Datum
Removal of Original Heater	- 15.5 lbs.	@ 31" ARM	@ 69" ARM
Installation of Heater # 576	+ 8.0 lbs	@ 53" ARM	@ 47" ARM

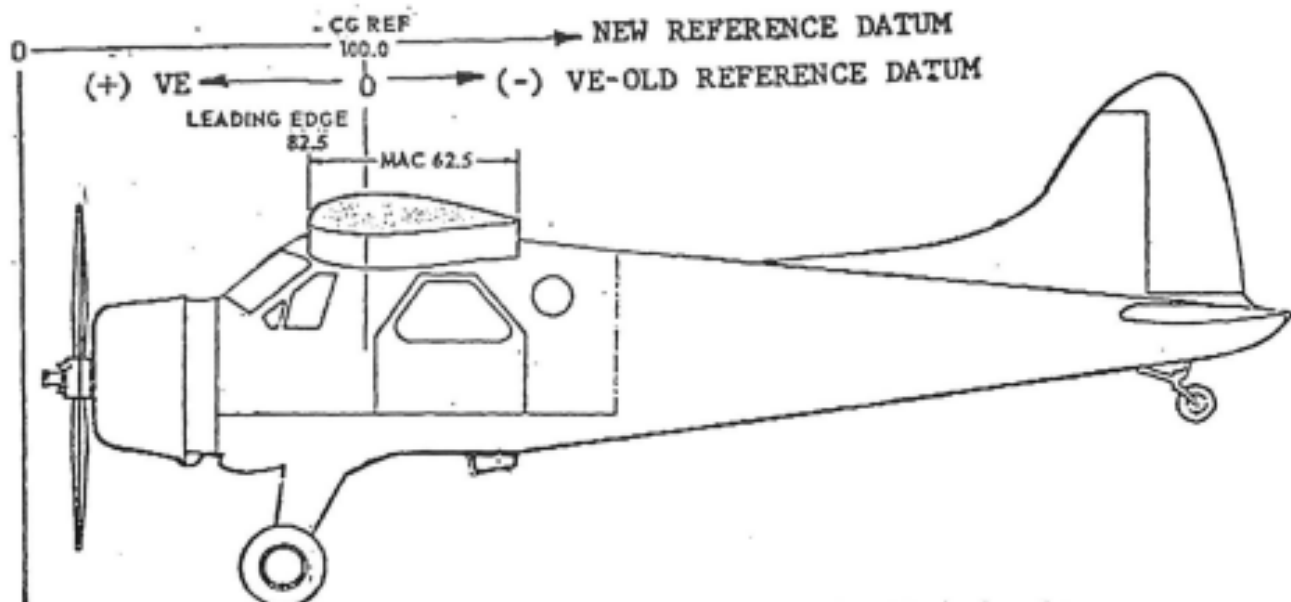
Reference regarding old/new datum Airplane Weight and Balance Handbook, Beaver, Issue 2
Installers responsibility to determine whether aircraft W&B is using new or old datum ref.

For Reference

Airplane Weight and Balance Handbook, Beaver, Issue 2

NOTE!

This Weight and Balance Handbook supercedes all Weight and Balance Data contained in the DHC-2 Flight Manual. A different datum is used in this Handbook, making it incompatible with the Weight and Balance Data given in the Flight Manual.



Before using this Handbook make certain that basic aircraft C. of G. and Moments are in the new system. To convert C. of G. from old to new system add dimensions in negative direction to 100.0 In. and subtract dimensions in positive directions from 100.0 In. (e.g. C.G. - 5.5 In. old system is $5.5 + 100.0 = 105.5$ In. new system; + 3.6 In. old system is $100.0 - 3.6 = 96.4$ In. in new system)

L-20A Weight and Balance utilizes same datum as in this Handbook and therefore no conversion is necessary.

GROUP ASSEMBLY PART LIST
PART 2

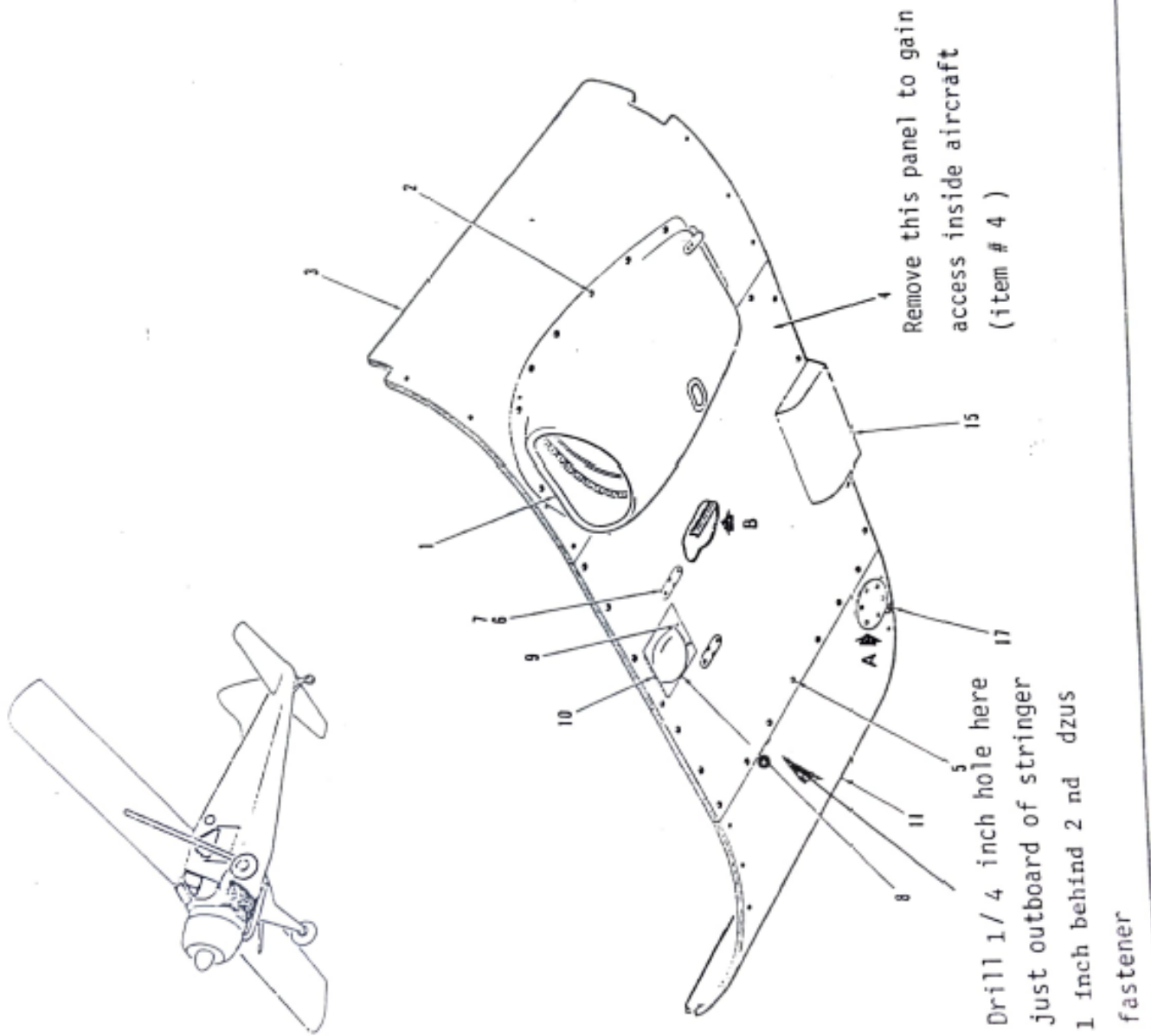
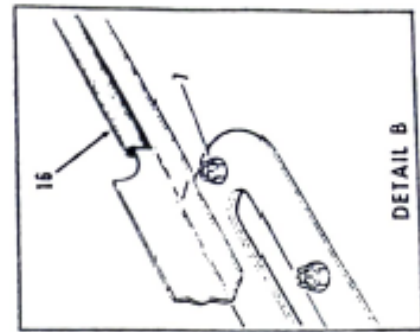
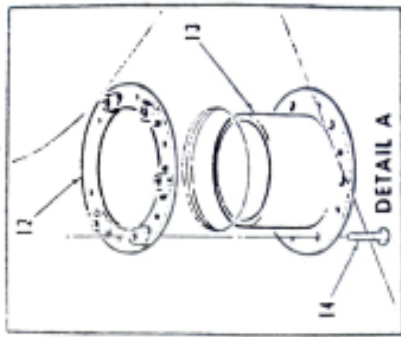


Figure 24 Panel Assembly - Bottom, Front unit

GROUP ASSEMBLY PART LIST
PART 2

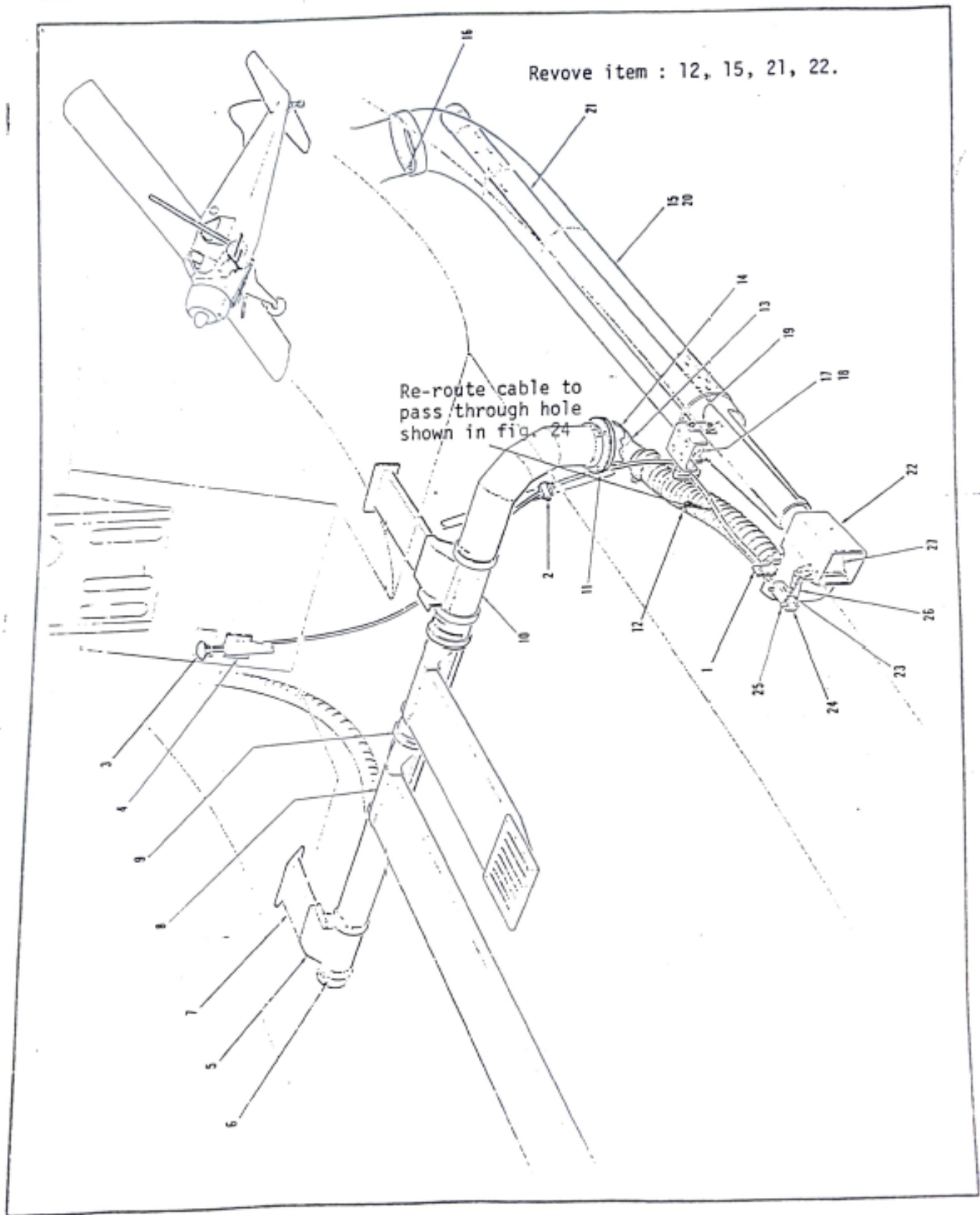


Figure 198 Heating Installation - Cabin

GROUP ASSEMBLY PART LIST
PART 2

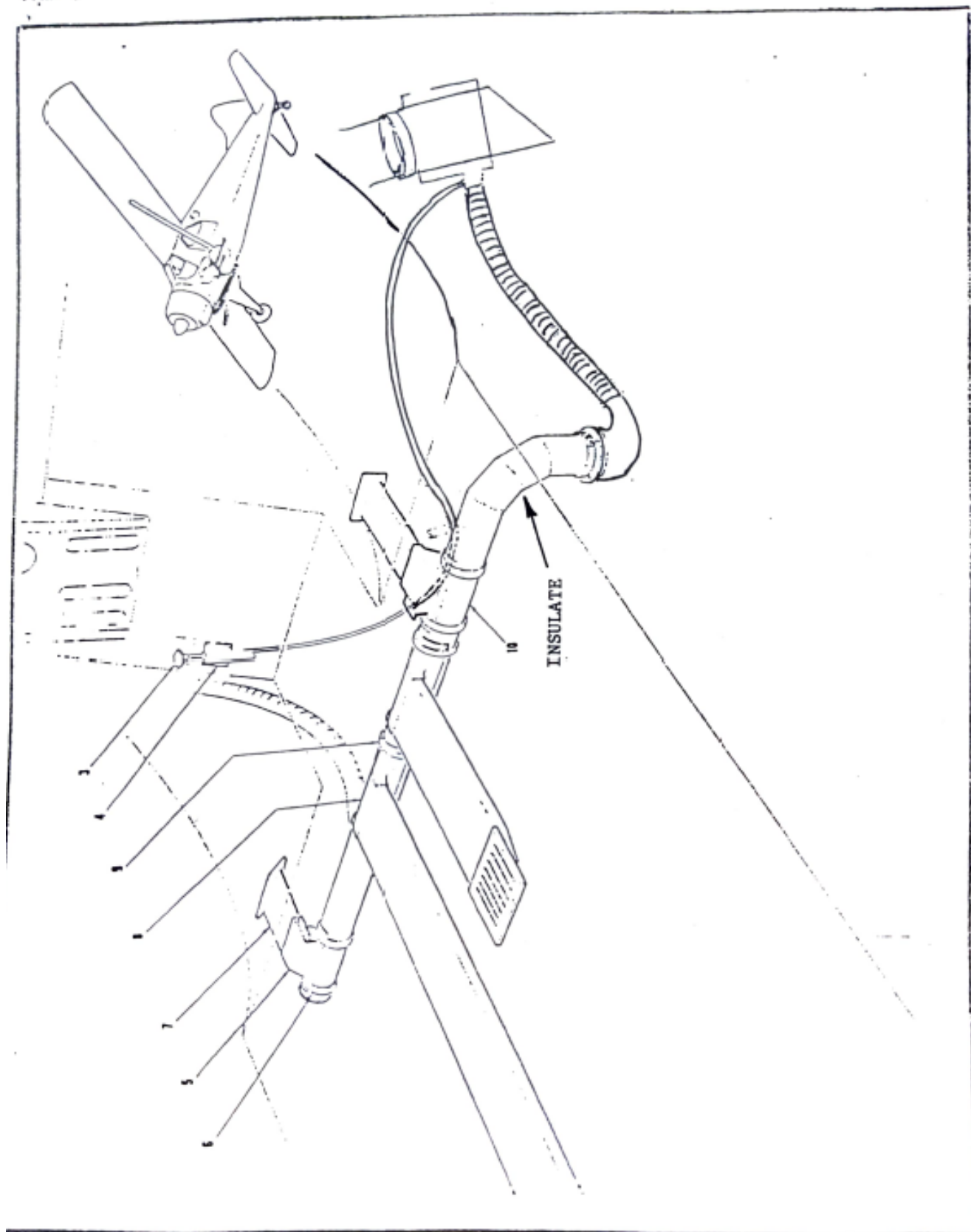
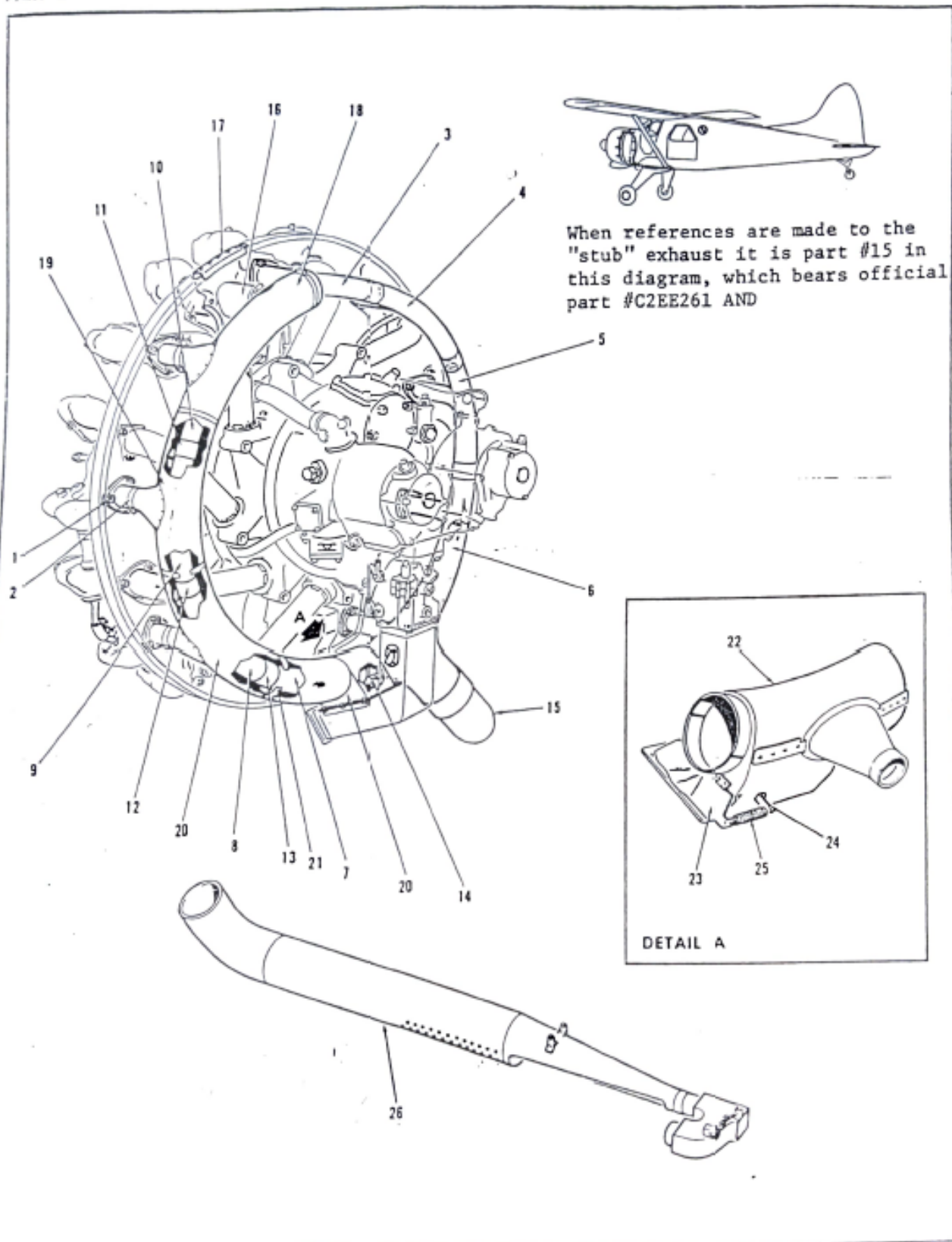


Figure 198 Heating Installation - Cabin

GROUP ASSEMBLY PART LIST
PART 2



When references are made to the "stub" exhaust it is part #15 in this diagram, which bears official part #C2EE261 AND

Figure 73 Exhaust Installation - Engine

Heater 576

Supplied Parts List

Qty	Part
1	Heater assembly part #576
1	SCAT 7 Flex Tube [C2V 185]. 25" provided, cut to fit
5	Stainless Bolt AN3C-5A
13	Stainless Washer AN960C-3
5	Stainless Nut AN363C-1032
3	Stainless Clamp QS 200
2	Stainless Clamp QS 28
1	MS21219WDG-4 Adelle Clamp