



SERVICE LETTER

No. 836

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"DOA SO-1 Approved"

February 9, 1978 S/M

Subject: Narco ADF 140/141 Antenna Inspection and Modification

Models Affected:

Serial Numbers Affected:

PA-28-140 Cherokee Cruiser.....	28-7525001 to 28-7725290 inclusive
PA-28-151 Cherokee Warrior.....	28-7515001 to 28-7715314 inclusive
PA-28-161 Cherokee Warrior II.....	28-7716001 to 28-7816134 inclusive
PA-28-180 Cherokee Archer.....	28-7505001 to 28-7505259 inclusive
PA-28-181 Cherokee Archer II.....	28-7690001 to 28-7890138 inclusive
PA-28R-200 Cherokee Arrow II.....	28R-7535001 to 28R-7635462 inclusive
PA-28R-201 Cherokee Arrow III.....	28R-7737001 to 28R-7837005 inclusive
PA-28R-201T Cherokee Turbo Arrow III....	28R-7703001 to 28R-7803021 inclusive
PA-28-235 Cherokee Pathfinder.....	28-7510001 to 28-7710089 inclusive
PA-32-260 Cherokee Six 260.....	32-7500001 to 32-7700023 inclusive
PA-32-300 Cherokee Six 300.....	32-7540001 to 32-7840018 inclusive
PA-32R-300 Cherokee Lance.....	32R-7680001 to 32R-7880025 inclusive
PA-34-200T Seneca II.....	34-7570001 to 34-7870012 inclusive

NOTES

1. Only aircraft equipped with Narco ADF-140/141 are affected by this Service Letter.
2. Inspection and modification recommendations contained in this Service Letter apply to both standard and all weather antenna installations.
3. The modification provisions of this Service Letter involve an additional modification applicable to aircraft affected by Piper Service Letter 800 dated February 25, 1977.

Compliance Time: At owners/operators discretion.

Purpose: To provide instructions to insure the Narco ADF-140/141 antenna installation is properly wired to provide maximum radio signal reception.

Instructions: (Refer to Sketch)

1. Insure the aircraft is equipped with a Narco ADF-140/141 receiver.
2. Remove top overhead speaker panel to gain access to the terminal block connections from the sense antenna lead in.
3. Inspect antenna terminal board for position of antenna lead attachment and presence of capacitor (if installed); referenced attached sketch fig. 1.

.....continued

Instructions: (Refer to Sketch) (continued)

4. Re-position antenna leads to common pin and remove capacitor (if installed); reference attached sketch fig. 2.
5. Re-install overhead speaker panel (removed in Step 2, above).
6. Make appropriate log book entry.

Material Required: Not Applicable.

Availability of Parts: Not Applicable.

Effectivity Date: This Service Letter is effective upon receipt.

Summary: Please contact your Piper Field Service Facility to make arrangements for compliance with the provisions of this Product Refinement Service Release.

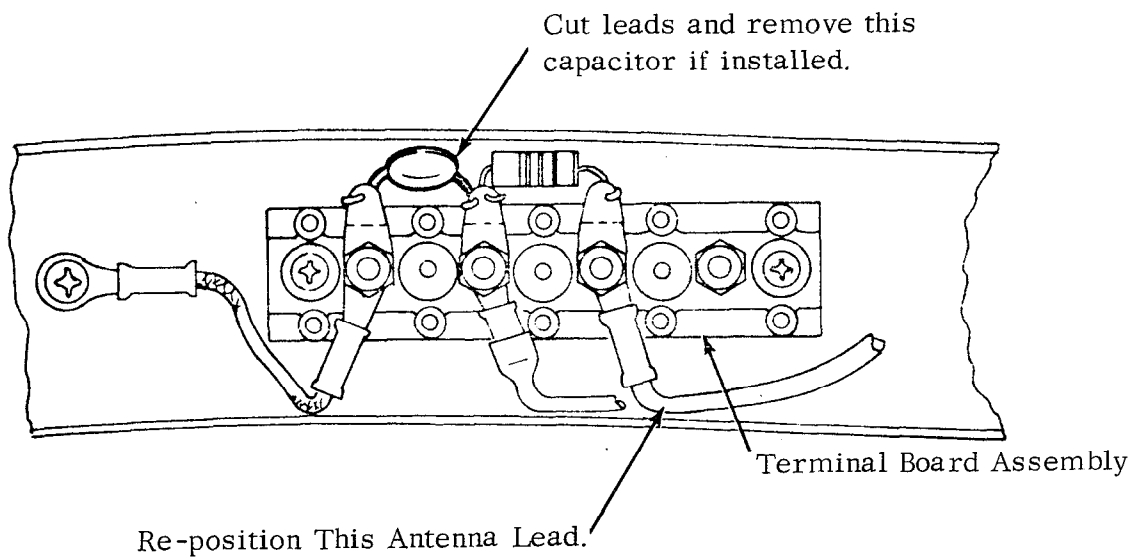


FIGURE 1 - Terminal Board Prior to Modification

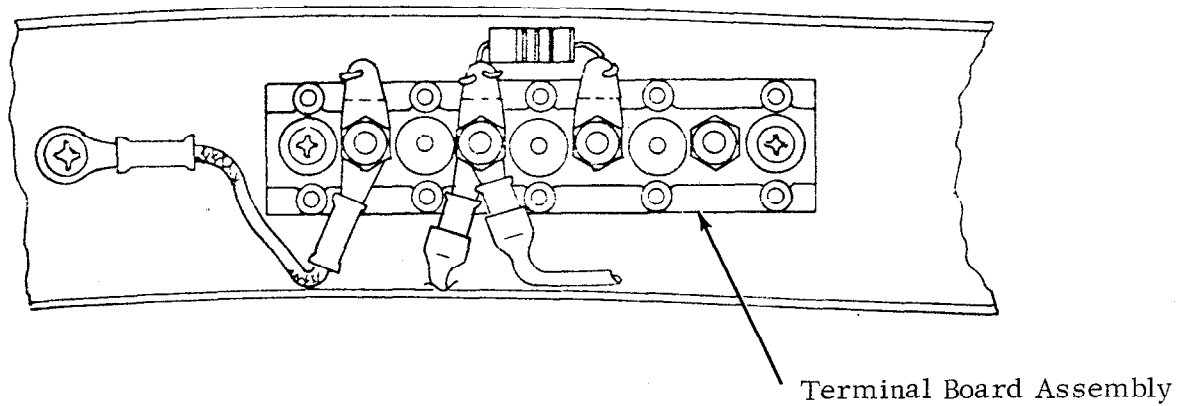


FIGURE 2 - Terminal Board After Modification