



# SERVICE LETTER

No. 820

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

July 28, 1980

S/M

Subject:

Replacement of Lithium Sulphur Dioxide (LiSO<sub>2</sub>)  
ELT Batteries and/or Transmitters

Models Affected:

PA-28-140 Cherokee  
PA-28-151 Warrior  
PA-28-161 Warrior II  
PA-28-180 Cherokee  
PA-28-181 Archer II  
PA-28R-200 Arrow II  
PA-28R-201 Arrow III  
PA-28R-201T Turbo Arrow III  
PA-28-235 Charger  
PA-32-260 Six  
PA-32-300 Six 300  
PA-32R-300 Lance  
PA-32RT-300T Turbo Lance II  
PA-32RT-300 Lance II  
PA-34-200 Seneca  
PA-34-200T Seneca II  
PA-28-201T Turbo Dakota  
PA-28-236 Dakota  
PA-28RT-201 Arrow IV  
PA-28RT-201T Turbo Arrow IV  
PA-44-180 Seminole  
PA-18-150 Super Cub  
PA-25-235/260 Pawnee D  
PA-36-285 Brave  
PA-36-300 Brave 300  
PA-36-375 Brave 375  
PA-23-250 Aztec  
PA-31P Pressurized Navajo  
PA-31T Cheyenne  
PA-31/300/325 Navajo/Navajo C/R  
PA-31-350 Chieftain  
PA-31T1 Cheyenne I  
PA-38-112 Tomahawk

Serial Numbers Affected:

28-7225001 through 28-7725290  
28-7415001 through 28-7715314  
28-7716001 through 28-7916436  
28-7205001 through 28-7505259  
28-7690091 through 28-7990456  
28R-7235001 through 28R-7635545  
28R-7737001 through 28R-7837317  
28R-7703001 through 28R-7803373  
28-7210001 through 28-7710089  
32-7200001 through 32-7800008  
32-7240001 through 32-7940126  
32R-7680001 through 32R-7880086  
32RT-7887001 through 32RT-7987123  
32RT-7885001 through 32RT-7985101  
34-7250001 through 34-7450220  
34-7570001 through 34-7970260  
28-7921001 through 28-7921045  
28-7911001 through 28-7911182  
28RT-7918001 through 28RT-7918145  
28RT-7931001 through 28RT-7931203  
44-7995001 through 44-7995290  
18-8964 through 18-7809188  
25-4172 through 25-7856072  
36-7360001 through 36-7660135  
36-7760001 through 36-7860123  
36-7802001 through 36-7802074  
27-4426 through 27-7854139  
31P-109 through 31P-7730012  
31T-7400002 through 31T-7820092  
31-752 through 31-7812129  
31-5001 through 31-7852171  
31T1-7804001 through 31T1-7804011  
38-78A0001 through 38-78A0844

NOTE:

Any Piper aircraft not indicated above, that has installed any of the following Piper Automatic Locators (PAL) or conversion kit(s), is also affected by this Service Release:

761 967      Garrett ELT with Lithium Battery (Garrett P/N 627810-1)  
763 882V     Conversion Kit, Garrett to CCC.

Compliance Time:

At owner/operators discretion. Compliance with this Service Release meets the requirements of AD 79-18-05, Amendment 39-3708.

Purpose:

Airworthiness Directive 79-18-05 requires removal of any Emergency Locator Transmitter (ELT) equipped with Lithium Sulfur Dioxide (LiSO<sub>2</sub>) Batteries, and replacement with an alternate, FAA Approved Battery or ELT by October 15, 1980.

This Service Release announces battery replacement kits or ELT retrofit kits that will upon installation, meet the requirements of AD 79-18-05 on affected Piper ELT installations.

This Service Release contains three (3) Parts, each affecting different installations and circumstances. Comply with the part that applies to your aircraft.

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PART I

Aircraft delivered from Piper Vero Beach Division  
with the ELT removed in compliance with AD 79-18-05.

Purpose:

After March 29, 1979, some of the above listed aircraft were delivered from the Piper Vero Beach factory, with the ELT removed in accordance with AD 79-18-05.

PART I of this Service Release announces the availability of a CCC ELT equipped with an Alkaline Battery for installation in these aircraft.

Instructions:

Installation instructions are contained in the appropriate model Service Manual.

Material Required:

One (1) each per aircraft, Piper Part Number 762 030V, CCC CIR-11-2 Alkaline Battery Powered ELT.

NOTE: The aircraft serial number must accompany all orders for ELT's for compliance with this PART.

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## PART II

Availability of Alkaline ELT Battery Pack and Mod Kit for aircraft equipped with CCC-CIR-11-2 (Piper Part Number 596 644V) Lithium Battery Powered ELT's.

### Purpose:

PART II of this Service Release announces a Collins Modification Kit and Alkaline Battery Pack for the CCC-CIR-11-2 ELT's that were originally equipped with Lithium Sulfur Dioxide Batteries.

Installation of the Kit and Battery Pack meets the requirements of AD 79-18-05.

### Instructions:

All instructions necessary to accomplish the modification and battery installation are contained in Rockwell/Collins Service Bulletin #1, dated May 1, 1980.

NOTE: A weight and balance calculation and equipment list change will be required as there is a 1.8 pound increase in battery weight.

### Material Required:

One (1) each Mod Kit, Piper Part Number 764 053V (Collins P/N 647-1003-001) and one (1) each Battery Pack, Piper Part Number 758 528V (Collins P/N 647-1002-001) per aircraft.

NOTE: Any Lithium Powered CCC-CIR-11-2 ELT that has suffered corrosion damage due to battery leakage should be returned to Collins General Aviation Division, Los Angeles Service Center, for evaluation/repair in accordance with Collins CIR-11-2 Service Bulletin #1, dated May 1, 1980, through your Collins Field Service Facility.

Communications Components Corporation (CCC) has been acquired by Collins Avionics Corporation, a division of Rockwell International.

Lithium Batteries must be disposed of in accordance with local EPA Directives.

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## PART III

Availability of Retrofit Kits for Garrett Rescue 88L Lithium Powered ELT's, Piper Part Number 761 967V, for PA-28, PA-32, PA-34 and PA-44 Series aircraft only.

(over)

Purpose:

Replacement Lithium Batteries for Garrett Rescue 88L ELT's, Piper Part Number 758 364V, are no longer available from the manufacturer.

PART III of this Service Release announces the availability of two (2) Field Retrofit Kits for conversion to either CCC-CIR-11-2 (Alkaline) or Narco ELT-10 (Alkaline) ELT's for aircraft manufactured in Vero Beach (PA-28, PA-32, PA-34 and PA-44 series only).

Either of these conversion kits meets the requirements of AD 79-18-05.

NOTES:

1. Aircraft equipped with Garrett Rescue 88, Magnesium Battery Powered ELT's are not affected by AD 79-18-05, and replacement batteries are still available through your Piper Field Service Facility.
2. A few Lock Haven and Lakeland manufactured aircraft may have been equipped with Garrett Rescue 88L Lithium Powered ELT's. Replacement units for these aircraft should be obtained from a local source.

Instructions:

All installation instructions are included in the retrofit kits.

Material Required:

One (1) each per aircraft, ELT Replacement Kit Part Number 763 882V (Garrett to CCC), or Part Number 763 842V (Garrett to Narco) as desired.

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Availability of Parts:

Your Piper Field Service Facility.

Summary:

Upon determining which part of this Service Release applies to your aircraft ELT installation, contact your Piper Field Service Facility to arrange for compliance in accordance with Compliance Time, above.

For aircraft affected by PART I, reimbursement for material and up to one half (.5) hour labor is available.

For aircraft affected by PART II, and whose ELT was within the Piper one year Avionics Warranty period as of February 19, 1979, (original date of issue of AD 79-18-05), reimbursement for the alkaline battery pack, Piper Part Number 758 528V and up to one half (.5) hour labor is available through your Piper Field Service Facility in accordance with their credit application procedures. The Battery Mod Kit, Piper Part Number 764 053V, is available at no charge to all CCC-CIR-11-2 owners on orders received prior to October 15, 1980. A suggested list price of \$44.00 D will apply after October 15, 1980.