

FOREWORD

This manual provides the avionics service technician with service information, illustrated parts breakdown and wiring diagrams pertaining to avionics equipment installed in Cessna 182, P206, 210, 337 & P337 series aircraft. This catalog is separated into the following eight sections:

- Section I -Cessna Crafted Avionics Equipment
- Section II -Vendor Crafted Avionics Equipment
- Section III -Antenna Systems
- Section IV -Audio Systems
- Section V -Miscellaneous Avionics Equipment
- Section VI -Avionics Loading Charts
- Section VII -Avionics Wiring Diagrams
- Section VIII -Numerical Index

The table of contents will enable the readers to find the information necessary to check wiring installations and parts required for any particular avionics.

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STANDARD PARTS.

Many parts having standard usage have been incorporated into the Cessna Standard System. Parts in this group are designated with the part number prefix "S."

For standard hardware items such as Tinnerman nuts, clamps, etc., "AN" and "NAS" numbers have been used.

USABLE ON CODES. . . . Serial listings in this catalog are noted by a letter code located in the usable on code column which is the extreme right hand column of the parts list page. Usable on codes are applicable only to the figure on which they appear. The code letters and the serials to which they apply are listed at the end of the figure.

If no usable on code appears opposite a first column listing of the figure, the usage is applicable to all models and serials covered by this catalog. If no usable on code appears opposite any indented listing, the usage is applicable to all models and serials covered by the figure on which it appears.

NON-INTERCHANGEABLE PARTS. . . . When parts are not interchangeable with earlier models, all parts applicable to the particular usage are listed. The letter code for the individual part usage is listed in the usable on column opposite each part. Care should be exercised in determining proper serial when ordering to insure receipt of correct part.

INTERCHANGEABLE PARTS. . . . When a later design part is completely interchangeable with the part it replaces, both parts will be serialized and the notation "when exhausted use ____" will be entered following the listing of the earlier design part. This means that the earlier design part should be used on airplanes to which they apply until the supply of these parts is exhausted---after which time the later design part must be used. This is done to simplify stocking of parts by our distributors and dealers. The earlier part is as good, physically and functionally, as the later design part---the difference being the later design part can be used on more than one block of airplane serials.

SYMBOLS & PART NUMBER TERMS.

NP - The symbol "NP" appearing in the units per assembly column denotes that the item it appears opposite is not procurable.

AR - The symbol "AR" appearing in the units per assembly column denotes "As Required" and is used to indicate bulk quantity when an indefinite amount is used.

ALT - The symbol "ALT" following the nomenclature of an item is used to denote an alternate part.

LH & RH - The symbols either LH or RH are used following the part nomenclature to denote either left hand or right hand parts.

Other key letter symbols spaced apart from and following the part nomenclature are for cataloging and manufacturing purposes only and are not to be considered by the customer.

A blank entry in the part number column appears before an unprocurable part or installation which is also denoted in the "Units Per Assembly" column by the use of the symbol "NP."

GROUP ASSEMBLY PARTS LIST ARRANGEMENT.

This section lists all replaceable items in the airplane and these items are detailed on illustrations throughout the section. The index numbers on the illustration are keyed to each accompanying parts list. The purpose of the index numbers is to provide complete and positive identification of the article, but should not be used for procurement purposes.

- a. The figure and index number column of the parts list shows the figure number once at the beginning of the list. The figure number is followed by a dash and the indexed number. The remaining index numbers are preceded by dash only.
- b. The part number column identifies the item by part number.
- c. In the description column, relationship of items covered is shown by the degree of indentation of each item, for example: The radio installation (Figure 1-1) is listed in column (1) of the description column. The receiver is the next lower assembly and is therefore listed in column (2).
- d. If two or more assemblies contain a majority of identical parts or the assemblies are left or right hand, the assemblies are listed together and the next lower assemblies or detail parts are listed as common for both assemblies, with the differing parts coded for usage on the correct major assembly.
- e. Attaching parts are listed immediately beneath the item to be attached and preceding any detail parts of the item. They are listed in the same column as the item they attach and are preceded by the caption "Attaching Parts." The end of the attaching parts listing is followed by a separating symbol ---*---.
- f. The quantity listed in the "Units Per Assembly" column for attaching parts denotes the total quantity necessary to attach only one part. Total quantity necessary to attach more than one part is obtained by multiplying the attaching parts quantity by the number of parts attached.

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- g. Component parts of the complete airplane which are not included in any assembly, but which are used in conjunction with, or attach to certain assemblies, are listed either preceding the first detail or following the last detail of the assembly or installation, and in the same column as the major assembly or installation.
- h. The quantities listed in the "Units Per Assembly" column are the quantity used per figure.

ACCESSORY KITS.

This catalog describes the factory installation of the equivalent field installation AK Kit and the factory installation is considered standard and illustrated as such.

For information regarding peculiarities of field installation kits consult the applicable AK Kit installation called out in the Accessory Kit Catalog.

BULK ITEMS.

Certain items such as coaxial cable, antenna wire, clamps etc., are noted in the catalog listings as bulk items. When an item is listed as a bulk item, it will be supplied to the dealer in the most convenient bulk length or quantity. Reference to the cut length or quantity per installation provides for the most satisfactory disbursement to the customer.

HOW TO ORDER.

USE YOUR CATALOG TO ORDER PARTS. Use Parts and Accessories Order Form Number P-101A, P-102, or P-103, whichever applies and which will be supplied by Cessna on request. Give complete information on addresses and make sure the part number and part name are as shown in the catalog. Be sure

to specify quantities. Specify how the order is to be shipped, otherwise it will be sent out in the manner that seems best to the shipper.

SERIAL, COLOR, & CORROSION PROOFING.

Be sure to indicate model and serial number of the airplane. Serial number is very important to properly identify parts used on each airplane, when color is involved. Be sure to specify what color. If corrosion proofing is desired add the letters "CP" following the part number.

DISTRIBUTION ORDERS.

Distribution will send all orders to the factory with instructions as to the shipping destination. The factory prefers not to make C.O.D. shipments for the distributor and all billing will be made to the distributor in the case of direct shipments.

DEALER ORDERS.

Dealers will place all of their parts order requirements with their distributor. The factory will not honor orders received directly from a dealer. It will be necessary for us to forward it to the distributor for his action. Therefore, dealer orders sent direct to the distributor will result in much faster delivery on any parts that are required.

RETAIL ORDERS.

Retail orders will not be honored by the factory. They are to be placed with the dealer or distributor in the owner's territory and when received directly by the factory will be forwarded to the distributor from whose territory it was received. Considerable saving in time will result to the owner if his orders are placed with his dealer or distributor.

NOTE

Cessna Aircraft Company reserves the right to cancel, add or change the parts and assemblies described in this catalog without notice.