

# Revision Transmittal

September 17, 2001

TO: Cessna Distributors, Single Engine Service Stations and CPC's

SUBJECT: Single Engine Service Bulletin SEB95-3 Revision 1, Flap Support Inspection And Roller Washer Installation

## REASON FOR REVISION

To revise the Effectivity section by providing a more detailed listing of affected airplane models and serial numbers.

To change the Compliance section from recommended to mandatory.

To provide a note in the Accomplishment Instructions stating that Model 150, 152, 170, 172 and 175 Series airplanes should order 0523231-24 bracket(s) to replace the original 0523231-5 bracket(s), in the event bracket replacement is required.

Miscellaneous changes as required.

## REQUIRED ACTION

Please replace any copy of SEB95-3 with the attached copy of SEB95-3 Revision 1 which is printed in its entirety.

Please retain your current copy of SK180-44 (or latest revision).

**NOTE:** Compliance with the repetitive inspection of this revision is required if in compliance with the original issue of this service bulletin.

## LOG OF EFFECTIVE PAGES

| Page No. | Date               | Page No. | Date               |
|----------|--------------------|----------|--------------------|
| 1        | September 17, 2001 | 9        | September 17, 2001 |
| 2        | September 17, 2001 | 10       | September 17, 2001 |
| 3        | September 17, 2001 | 11       | September 17, 2001 |
| 4        | September 17, 2001 | 12       | September 17, 2001 |
| 5        | September 17, 2001 | 13       | September 17, 2001 |
| 6        | September 17, 2001 | 14       | September 17, 2001 |
| 7        | September 17, 2001 | 15       | September 17, 2001 |
| 8        | September 17, 2001 |          |                    |

\* \* \* \* \*

Page 1 of 1

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

Cessna Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277, U.S.A. (316) 517-5800, Facsimile (316) 942-9006

COPYRIGHT © 2001

---

**Service Bulletin**

September 17, 2001

SEB95-3  
Revision 1**TITLE**

FLAP SUPPORT INSPECTION AND ROLLER WASHER INSTALLATION

**EFFECTIVITY**

| <u>Model</u> | <u>Year</u> | <u>Serial Numbers</u>  |
|--------------|-------------|------------------------|
| 150          | 1959        | 17001 thru 17999       |
| 150          | 1960        | 59001 thru 59018       |
| 150          |             | 617                    |
| 150A         | 1961        | 15059019 thru 15059350 |
| 150A         |             | 628                    |
| 150B         | 1962        | 15059351 thru 15059700 |
| 150C         | 1963        | 15059701 thru 15060087 |
| 150D         | 1964        | 15060088 thru 15060772 |
| 150E         | 1965        | 15060773 thru 15061532 |
| 150E         |             | 644                    |
| 150F         | 1966        | 15061533 thru 15064532 |
| 150G         | 1967        | 15064533 thru 15064969 |
| 150G         | 1967        | 15064971 thru 15067198 |
| 150H         | 1968        | 15067199 thru 15069308 |
| 150H         |             | 649                    |
| 150J         | 1969        | 15069309 thru 15071128 |
| 150K         | 1970        | 15071129 thru 15072003 |
| 150L         | 1971        | 15072004 thru 15072628 |
| 150L         | 1972        | 15072629 thru 15073658 |
| 150L         | 1973        | 15073659 thru 15074850 |
| 150L         | 1974        | 15074851 thru 15075781 |
| 150M         | 1975        | 15075782 thru 15077005 |
| 150M         | 1976        | 15077006 thru 15078505 |
| 150M         | 1977        | 15078506 thru 15079405 |
| A150K        | 1970        | A1500001 thru A1500226 |
| A150L        | 1971        | A1500227 thru A1500276 |

Original Issue: March 10, 1995

Page 1 of 15

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

|       |                |                        |
|-------|----------------|------------------------|
| A150L | 1972           | A1500277 thru A1500342 |
| A150L | 1973           | A1500343 thru A1500429 |
| A150L | 1974           | A1500430 thru A1500432 |
| A150L | 1974           | A1500434 thru A1500523 |
| A150M | 1975           | A1500524 thru A1500609 |
| A150M |                | 15064970               |
| A150M | 1976           | A1500610 thru A1500684 |
| A150M | 1977           | A1500685 thru A1500734 |
| 152   | 1978           | 15279406 thru 15282031 |
| 152   | 1979           | 15282032 thru 15283591 |
| 152   | 1980           | 15283592 thru 15284541 |
| 152   | 1981           | 15284542 thru 15285161 |
| 152   | 1982           | 15285162 thru 15285594 |
| 152   | 1983           | 15285595 thru 15285833 |
| 152   | 1984           | 15285834 thru 15285939 |
| 152   | 1985           | 15285940 thru 15286033 |
| A152  | 1978           | A1520735 thru A1520808 |
| A152  |                | A1500433               |
| A152  | 1979           | A1520809 thru A1520878 |
| A152  |                | 681                    |
| A152  | 1980           | A1520879 thru A1520943 |
| A152  | 1981           | A1520944 thru A1520983 |
| A152  | 1982           | A1520984 thru A1521014 |
| A152  | 1983           | A1521015 thru A1521025 |
| A152  | 1984           | A1521026 thru A1521027 |
| A152  | 1985           | A1521028 thru A1521049 |
| 170B  | 1952 thru 1956 | 20267 thru 20999       |
| 170B  | 1952 thru 1956 | 25000 thru 27169       |
| 170B  |                | 609, 19401             |
| 172   | 1956 thru 1959 | 28000 thru 29999       |
| 172   | 1956 thru 1959 | 36000 thru 36999       |
| 172   | 1956 thru 1959 | 46001 thru 46754       |
| 172   |                | 610, 612, 615          |
| 172A  | 1960           | 46755 thru 47746       |
| 172A  |                | 622, 625               |
| 172B  | 1961           | 17247747 thru 17248734 |
| 172B  |                | 630                    |
| 172C  | 1962           | 17248735 thru 17249544 |
| 172D  | 1963           | 17249545 thru 17250572 |
| 172E  | 1964           | 17250573 thru 17251822 |
| 172E  |                | 639                    |

|      |      |                              |
|------|------|------------------------------|
| 172F | 1965 | 17251823 thru 17253392       |
| 172G | 1966 | 17253393 thru 17254892       |
| 172H | 1967 | 17254893 thru 17256492       |
| 172H | 1967 | 17256494 thru 17256512       |
| 172H |      | 638                          |
| 172I | 1968 | 17256513 thru 17257161       |
| 172K | 1969 | 17257162 thru 17258486       |
| 172K | 1970 | 17258487 thru 17259223       |
| 172L | 1971 | 17259224 thru 17259903       |
| 172L | 1972 | 17259904 thru 17260758       |
| 172M | 1973 | 17260759 thru 17261444       |
| 172M | 1973 | 17261446 thru 17261577       |
| 172M | 1973 | 17261579 thru 17261898       |
| 172M |      | 17256493                     |
| 172M | 1974 | 17261899 thru 17263458       |
| 172M | 1975 | 17263459 thru 17265684       |
| 172M | 1976 | 17265685 thru 17267584       |
| 172N | 1977 | 17267585 thru 17269309       |
| 172N |      | 17261445                     |
| 172N | 1978 | 17269310 thru 17270049       |
| 172N | 1978 | 17270051 thru 17271034       |
| 172N |      | 17261578                     |
| 172N | 1979 | 17271035 thru 17272884       |
| 172N | 1980 | 17272885 thru 17274009       |
| 172N |      | 17270050                     |
| 172P | 1981 | 17274010 thru 17275034       |
| 172P | 1982 | 17275035 thru 17275759       |
| 172P | 1983 | 17275760 thru 17276079       |
| 172P | 1984 | 17276080 thru 17276259       |
| 172P | 1985 | 17276260 thru 17276516       |
| 172P | 1986 | 17276517 thru 17276654       |
| 172Q | 1983 | 17275869                     |
| 172Q | 1983 | 17275927 thru 17275934       |
| 172Q | 1983 | 17275952, 17275959, 17275960 |
| 172Q | 1983 | 17275962, 17275964, 17275965 |
| 172Q | 1983 | 17275967, 17275968, 17275969 |
| 172Q | 1983 | 17275971, 17275992, 17275999 |
| 172Q | 1983 | 17276002, 17276005, 17276029 |
| 172Q | 1983 | 17276032, 17276042, 17276045 |
| 172Q | 1983 | 17276051, 17276052, 17276054 |
| 172Q | 1984 | 17276101, 17276109, 17276140 |

|             |                |                              |
|-------------|----------------|------------------------------|
| 172Q        | 1984           | 17276147, 17276188, 17276211 |
| R172E (T41) | 1967 thru 1968 | R172-0001 thru R172-0335     |
| R172F (T41) | 1969           | R172-0336 thru R172-0409     |
| R172G (T41) | 1969 thru 1970 | R1720410 thru R1720444       |
| R172H (T41) | 1971           | R1720445 thru R1720494       |
| R172H (T41) | 1972           | R1720495 thru R1720546       |
| R172H (T41) | 1973 thru 1976 | R1720547 thru R1720620       |
| R172J       | 1974           | P17257189                    |
| R172K       | 1977           | R1722000 thru R1722724       |
| R172K       | 1978           | R1722725 thru R1722929       |
| R172K       | 1979           | R1722930 thru R1723199       |
| R172K       |                | 680                          |
| R172K       | 1980           | R1723200 thru R1723397       |
| R172K       | 1980           | R1723397 thru R1723399       |
| R172K       | 1981           | R1723400 thru R1723454       |
| 172RG       | 1980           | 172RG0001 thru 172RG0570     |
| 172RG       | 1981           | 172RG0571 thru 172RG0890     |
| 172RG       |                | 691                          |
| 172RG       | 1982           | 172RG0891 thru 172RG1099     |
| 172RG       | 1983           | 172RG1100 thru 172RG1144     |
| 172RG       | 1984           | 172RG1145 thru 172RG1177     |
| 172RG       | 1985           | 172RG1178 thru 172RG1191     |
| 175         | 1958 thru 1959 | 55001 thru 56238             |
| 175         |                | 28700A                       |
| 175A        | 1960           | 56239 thru 56777             |
| 175A        |                | 619                          |
| 175B        | 1961           | 17556778 thru 17557002       |
| 175C        | 1962           | 17557003 thru 17557119       |
| P172D       | 1963           | P17257120 thru P17257188     |
| 180         | 1953 thru 1956 | 30000 thru 32661             |
| 180         |                | 604, 614                     |
| 180A        | 1957           | 32662 thru 32999             |
| 180A        | 1957 thru 1958 | 50001 thru 50355             |
| 180B        | 1959           | 50356 thru 50661             |
| 180C        | 1960           | 50662 thru 50911             |
| 180C        |                | 624                          |
| 180D        | 1961           | 18050912 thru 18051063       |
| 180E        | 1962           | 18051064 thru 18051183       |
| 180F        | 1963           | 18051184 thru 18051312       |
| 180G        | 1964           | 18051313 thru 18051445       |
| 180H        | 1965 thru 1972 | 18051446 thru 18052284       |

|      |                |                        |
|------|----------------|------------------------|
| 180H |                | 645                    |
| 180J | 1973 thru 1976 | 18052285 thru 18052489 |
| 180J | 1973 thru 1976 | 18052491 thru 18052770 |
| 180K | 1977           | 18052771 thru 18052905 |
| 180K | 1978           | 18052906 thru 18053000 |
| 180K | 1979           | 18053001 thru 18053115 |
| 180K |                | 18052490               |
| 180K | 1980           | 18053116 thru 18053167 |
| 180K | 1981           | 18053168 thru 18053203 |
| 182  | 1956           | 33000 thru 33842       |
| 182  |                | 613                    |
| 182A | 1957           | 33843 thru 34753       |
| 182A | 1958           | 34755 thru 34999       |
| 182A | 1958           | 51001 thru 51556       |
| 182B | 1959           | 51557 thru 51622       |
| 182B | 1959           | 51624 thru 52358       |
| 182B |                | 34754                  |
| 182C | 1960           | 52359 thru 53007       |
| 182C |                | 631                    |
| 182D | 1961           | 18253008 thru 18253598 |
| 182D | 1961           | 51623                  |
| 182E | 1962           | 18253599 thru 18254423 |
| 182F | 1963           | 18254424 thru 18255058 |
| 182G | 1964           | 18255059 thru 18255844 |
| 182H | 1965           | 18255846 thru 18256684 |
| 182H |                | 634                    |
| 182J | 1966           | 18256685 thru 18257625 |
| 182K | 1967           | 18257626 thru 18257698 |
| 182K | 1967           | 18257700 thru 18258505 |
| 182K | 1967           | 18255845               |
| 182L | 1968           | 18258506 thru 18259305 |
| 182M | 1969           | 18259306 thru 18260055 |
| 182M |                | 18257699               |
| 182N | 1970           | 18260056 thru 18260445 |
| 182N | 1971           | 18260446 thru 18260825 |
| 182P | 1972           | 18260826 thru 18261425 |
| 182P | 1973           | 18261426 thru 18262465 |
| 182P | 1974           | 18262466 thru 18263475 |
| 182P | 1975           | 18263476 thru 18263478 |
| 182P | 1975           | 18263480 thru 18264295 |
| 182P |                | 675                    |

|            |           |                          |
|------------|-----------|--------------------------|
| 182P       | 1976      | 18264296 thru 18265175   |
| 182Q       | 1977      | 18265176 thru 18265965   |
| 182Q       | 1978      | 18265966 thru 18266590   |
| 182Q       |           | 18263479                 |
| 182Q       | 1979      | 18266591 thru 18267300   |
| 182Q       | 1980      | 18267301                 |
| 182Q       | 1980      | 18267303 thru 18267715   |
| 182R/T182  | 1981      | 18267716 thru 18268055   |
| 182R/T182  |           | 18267302                 |
| 182R/T182  | 1982      | 18268056 thru 18268293   |
| 182R/T182  | 1983      | 18268294 thru 18268368   |
| 182R/T182  | 1984      | 18268369 thru 18268434   |
| 182R/T182  | 1985      | 18268435 thru 18268541   |
| 182R       | 1986      | 18268542 thru 18268586   |
| R182       | 1978      | R18200002 thru R18200583 |
| R182/TR182 | 1979      | R18200584 thru R18201313 |
| R182/TR182 |           | R18200001                |
| R182/TR182 | 1980      | R18201314                |
| R182/TR182 | 1980      | R18201316 thru R18201628 |
| R182/TR182 | 1981      | R18201629 thru R18201798 |
| R182/TR182 | 1982      | R18201799 thru R18201928 |
| R182/TR182 | 1983      | R18201929 thru R18201973 |
| R182/TR182 | 1984      | R18201974 thru R18201999 |
| R182/TR182 | 1985      | R18202000 thru R18202031 |
| R182/TR182 |           | R18201315                |
| R182/TR182 | 1986      | R18202032 thru R18202039 |
| 185        | 1961      | 185-0001 thru 185-0237   |
| 185        |           | 632                      |
| 185A       | 1962      | 185-0238 thru 185-0512   |
| 185B       | 1963      | 185-0513 thru 185-0653   |
| 185C       | 1964      | 185-0654 thru 185-0776   |
| 185D       | 1965      | 185-0777 thru 185-0967   |
| 185E       | 1966      | 185-0968 thru 185-1149   |
| A185E      | 1966      | 185-0968 thru 185-1149   |
| A185E      | 1967      | 185-1150 thru 185-1300   |
| A185E      | 1968      | 185-1301 thru 185-1447   |
| A185E      | 1969      | 185-1448 thru 185-1599   |
| A185E      | 1970/1971 | 18501600 thru 18501934   |
| A185E      | 1972      | 18501935 thru 18502090   |
| A185F      | 1973      | 18502091 thru 18502299   |
| A185F      | 1973      | 18502301 thru 18502310   |

|                  |                |                            |
|------------------|----------------|----------------------------|
| A185F            |                | 652                        |
| A185F            | 1974           | 18502311 thru 18502565     |
| A185F            | 1975           | 18502566 thru 18502838     |
| A185F            | 1976           | 18502839 thru 18503153     |
| A185F            | 1977           | 18503154 thru 18503458     |
| A185F            | 1978           | 18503459 thru 18503683     |
| A185F            | 1979           | 18503684 thru 18503938     |
| A185F            |                | 18502300                   |
| A185F            | 1980           | 18503939 thru 18504138     |
| A185F            | 1981           | 18504139 thru 18504328     |
| A185F            | 1982           | 18504329 thru 18504394     |
| A185F            | 1983           | 18504395 thru 18504415     |
| A185F            | 1984           | 18504416 thru 18504424     |
| A185F            | 1985           | 18504425 thru 18504448     |
| 188              | 1966 thru 1969 | 188-0001 thru 188-0572     |
| 188              |                | 653                        |
| A188             | 1966 thru 1969 | 188-0001 thru 188-0572     |
| A188             |                | 653                        |
| 188A             | 1970 thru 1971 | 18800573 thru 18800832     |
| A188A            | 1970 thru 1971 | 18800573 thru 18800832     |
| 188B             | 1972 thru 1975 | 18800833 thru 18802348     |
| A188B            | 1972 thru 1983 | 18800833 thru 18803973     |
| A188B            | 1972 thru 1983 | 18800967T thru 18803973T   |
| A188B            |                | 678T                       |
| T188C            | 1979 thru 1983 | T18803325T thru T18803974T |
| T188C            | 1979 thru 1983 | T18803307T, T18803308T     |
| T188C            |                | T18802839T                 |
| 210-5 (205)      | 1963           | 205-0001 thru 205-0480     |
| 210-5 (205)      |                | 641                        |
| 210-5 (205A)     | 1964           | 205-0481 thru 205-0577     |
| 206              | 1964           | 206-0001 thru 206-0275     |
| P206             | 1965           | P206-0002 thru P206-0160   |
| P206A            | 1966           | P206-0161 thru P206-0306   |
| TP206A           | 1966           | P206-0161 thru P206-0306   |
| P206B/<br>TP206B | 1967           | P206-0307 thru P206-0419   |
| P206C/<br>TP206C | 1968           | P206-0420 thru P206-0519   |
| P206D/<br>TP206D | 1969           | P206-0520 thru P206-0603   |
| P206E/<br>TP206E | 1970           | P20600604 thru P20600647   |

|                  |      |                          |
|------------------|------|--------------------------|
| P206E/<br>TP206E |      | P206-0001                |
| U206             | 1965 | U206-0276 thru U206-0437 |
| U206A            | 1966 | U206-0438 thru U206-0656 |
| TU206A           | 1966 | U206-0487 thru U206-0656 |
| U206B/<br>TU206B | 1967 | U206-0657 thru U206-0914 |
| U206C/<br>TU206C | 1968 | U206-0915 thru U206-1234 |
| U206D/<br>TU206D | 1969 | U206-1235 thru U206-1444 |
| U206D/<br>TU206D | 1970 | U20601445 thru U20601587 |
| U206E/<br>TU206E | 1971 | U20601588 thru U20601700 |
| U206F/<br>TU206F | 1972 | U20601701 thru U20601874 |
| U206F/<br>TU206F | 1973 | U20601875 thru U20602199 |
| U206F/<br>TU206F | 1974 | U20602200 thru U20602579 |
| U206F/<br>TU206F | 1975 | U20602580 thru U20602588 |
| U206F/<br>TU206F | 1975 | U20602590 thru U20603020 |
| U206F/<br>TU206F | 1976 | U20603021 thru U20603521 |
| U206G/<br>TU206G | 1977 | U20603522 thru U20604074 |
| U206G/<br>TU206G |      | 676                      |
| U206G/<br>TU206G | 1978 | U20604075 thru U20604649 |
| U206G/<br>TU206G | 1979 | U20604650 thru U20605309 |
| U206G/<br>TU206G |      | U20602589                |
| U206G/<br>TU206G | 1980 | U20605310 thru U20605919 |
| U206G/<br>TU206G | 1981 | U20605920 thru U20606439 |
| U206G/<br>TU206G | 1982 | U20606440 thru U20606699 |
| U206G/<br>TU206G | 1983 | U20606700 thru U20606788 |
| U206G/<br>TU206G | 1984 | U20606789 thru U20606846 |

|                  |                |                            |
|------------------|----------------|----------------------------|
| U206G/<br>TU206G | 1985           | U20606847 thru U20606920   |
| U206G/<br>TU206G | 1986           | U20606921 thru U20607020   |
| 207/T207         | 1969           | 20700001 thru 20700148     |
| 207/T207         | 1970           | 20700149 thru 20700190     |
| 207/T207         | 1971           | 20700191 thru 20700205     |
| 207/T207         | 1972           | 20700206 thru 20700215     |
| 207/T207         | 1973           | 20700216 thru 20700227     |
| 207/T207         | 1974           | 20700228 thru 20700267     |
| 207/T207         | 1975           | 20700268 thru 20700314     |
| 207/T207         | 1976           | 20700315 thru 20700362     |
| 207A/T207A       | 1977           | 20700363 thru 20700414     |
| 207A/T207A       | 1978           | 20700415 thru 20700482     |
| 207A/T207A       | 1979           | 20700483 thru 20700562     |
| 207A/T207A       | 1980           | 20700563 thru 20700654     |
| 207A/T207A       | 1981           | 20700655 thru 20700729     |
| 207A/T207A       | 1982           | 20700730 thru 20700762     |
| 207A/T207A       | 1983           | 20700763 thru 20700767     |
| 207A/T207A       | 1984           | 20700768 thru 20700788     |
| 210              | 1960           | 57001 thru 57575           |
| 210              |                | 618                        |
| 210A             | 1961           | 21057576 thru 21057840     |
| 210A             |                | 616                        |
| 210B             | 1962           | 21057841 thru 21058085     |
| 210C             | 1963           | 21058086 thru 21058139     |
| 210C             | 1963           | 21058141 thru 21058220     |
| A-150L           | 1972 thru 1973 | A-1501001 thru A-1501039   |
| A-A150L          | 1972 thru 1973 | A-A1500001 thru A-A1500009 |
| A182J            | 1966           | A182-0001 thru A182-0056   |
| A182K            | 1967           | A182-0057 thru A182-0096   |
| A182L            | 1968           | A182-0097 thru A182-0116   |
| A182N            | 1972           | A182-0117 thru A182-0136   |
| A182N            | 1974           | A182-0137 thru A182-0146   |
| A182N            | 1976           | A182-0147 thru A182-0148   |
| A-A188B          | 1972 thru 1976 | A-A1880001 thru A-A1880034 |
| F150F            | 1966           | F150-0001 thru F150-0067   |
| F150G            | 1967           | F150-0068 thru F150-0219   |
| F150H            | 1968           | F150-0220 thru F150-0389   |
| F150J            | 1969           | F150-0390 thru F150-0529   |
| F150K            | 1970           | F15000530 thru F15000658   |

|         |      |                            |
|---------|------|----------------------------|
| F150L   | 1971 | F15000659 thru F15000738   |
| F150L   | 1972 | F15000739 thru F15000863   |
| F150L   | 1973 | F15000864 thru F15001013   |
| F150L   | 1974 | F15001014 thru F15001143   |
| F150M   | 1975 | F15001144 thru F15001248   |
| F150M   | 1976 | F15001249 thru F15001338   |
| F150M   | 1977 | F15001339 thru F15001428   |
| FA150K  | 1970 | FA1500001 thru FA1500081   |
| FA150L  | 1971 | FA1500082 thru FA1500120   |
| FA150L  | 1972 | FA1500121 thru FA1500166   |
| FA150L  | 1973 | FA1500167 thru FA1500211   |
| FA150L  | 1974 | FA1500212 thru FA1500261   |
| FA150M  | 1975 | FA1500262 thru FA1500281   |
| FA150M  | 1976 | FA1500282 thru FA1500311   |
| FA150M  | 1977 | FA1500312 thru FA1500336   |
| FRA150L | 1972 | FRA1500121 thru FRA1500166 |
| FRA150L | 1973 | FRA1500167 thru FRA1500211 |
| FRA150L | 1974 | FRA1500212 thru FRA1500261 |
| FRA150M | 1975 | FRA1500262 thru FRA1500281 |
| FRA150M | 1976 | FRA1500282 thru FRA1500311 |
| FRA150M | 1977 | FRA1500312 thru FRA1500336 |
| F152    | 1978 | F15201429 thru F15201528   |
| F152    | 1979 | F15201529 thru F15201673   |
| F152    | 1980 | F15201674 thru F15201808   |
| F152    | 1981 | F15201809 thru F15201893   |
| F152    | 1982 | F15201894 thru F15201928   |
| F152    | 1983 | F15201929 thru F15201943   |
| F152    | 1984 | F15201944 thru F15201952   |
| F152    | 1985 | F15201953 thru F15201965   |
| F152    | 1986 | F15201966 thru F15201980   |
| FA152   | 1978 | FA1520337 thru FA1520347   |
| FA152   | 1979 | FA1520348 thru FA1520357   |
| FA152   | 1980 | FA1520358 thru FA1520372   |
| FA152   | 1981 | FA1520373 thru FA1520377   |
| FA152   | 1982 | FA1520378 thru FA1520382   |
| FA152   | 1983 | FA1520383 thru FA1520387   |
| FA152   | 1985 | FA1520388 thru FA1520415   |
| FA152   | 1986 | FA1520416 thru FA1520425   |
| FP172   | 1963 | FP172-0001 thru FP172-0003 |
| F172D   | 1963 | F172-0001 thru F172-0018   |
| F172E   | 1964 | F172-0019 thru F172-0085   |

|        |      |                            |
|--------|------|----------------------------|
| F172F  | 1965 | F172-0086 thru F172-0179   |
| F172G  | 1966 | F172-0180 thru F172-0319   |
| F172H  | 1967 | F172-0320 thru F172-0431   |
| F172H  | 1967 | F172-0436 thru F172-0442   |
| F172H  | 1967 | F172-0444 thru F172-0446   |
| F172H  | 1968 | F172-0432 thru F172-0435   |
| F172H  | 1968 | F172-0443                  |
| F172H  | 1968 | F172-0447 thru F172-0559   |
| F172H  | 1969 | F172-0560 thru F172-0654   |
| F172H  | 1970 | F17200655 thru F17200754   |
| F172K  | 1971 | F17200755 thru F17200804   |
| F172L  | 1972 | F17200805 thru F17200904   |
| F172M  | 1973 | F17200905 thru F17201034   |
| F172M  | 1974 | F17201035 thru F17201234   |
| F172M  | 1975 | F17201235 thru F17201384   |
| F172M  | 1976 | F17201385 thru F17201514   |
| F172N  | 1977 | F17201515 thru F17201639   |
| F172N  | 1978 | F17201640 thru F17201749   |
| F172N  | 1979 | F17201750 thru F17201909   |
| F172N  | 1980 | F17201910 thru F17202039   |
| F172P  | 1981 | F17202040 thru F17202134   |
| F172P  | 1982 | F17202135 thru F17202194   |
| F172P  | 1983 | F17202195 thru F17202216   |
| F172P  | 1984 | F17202217 thru F17202233   |
| F172P  | 1985 | F17202234 thru F17202238   |
| F172P  | 1986 | F17202239 thru F17202254   |
| FR172E | 1968 | FR17200001 thru FR17200060 |
| FR172F | 1969 | FR17200061 thru FR17200145 |
| FR172G | 1970 | FR17200146 thru FR17200225 |
| FR172H | 1971 | FR17200226 thru FR17200275 |
| FR172H | 1972 | FR17200276 thru FR17200350 |
| FR172J | 1973 | FR17200351 thru FR17200440 |
| FR172J | 1974 | FR17200441 thru FR17200530 |
| FR172J | 1975 | FR17200531 thru FR17200559 |
| FR172J | 1976 | FR17200560 thru FR17200590 |
| FR172K | 1977 | FR17200591 thru FR17200620 |
| FR172K | 1978 | FR17200621 thru FR17200630 |
| FR172K | 1979 | FR17200631 thru FR17200655 |
| FR172K | 1980 | FR17200656 thru FR17200665 |
| FR172K | 1981 | FR17200666 thru FR17200675 |
| F182P  | 1976 | F18200001 thru F18200025   |

|       |      |                            |
|-------|------|----------------------------|
| F182Q | 1977 | F18200026 thru F18200064   |
| F182Q | 1978 | F18200065 thru F18200094   |
| F182Q | 1979 | F18200095 thru F18200129   |
| F182Q | 1980 | F18200130 thru F18200169   |
| FR182 | 1978 | FR18200001 thru FR18200020 |
| FR182 | 1979 | FR18200021 thru FR18200045 |
| FR182 | 1980 | FR18200046 thru FR18200070 |

## PURPOSE

Service experience indicates the potential for wearing of the flap supports by the flap rollers. To assist in preventing this condition from occurring, a inspection of the flap supports and rollers along with a modification to install stainless steel washers on each side of the forward rollers shall be accomplished. Failure to accomplish this inspection and modification could result in damage to the flap supports and/or loss of flap control.

## COMPLIANCE

### Mandatory:

#### A. Initial Inspection

Shall be accomplished within the next 100 hours of operation or 12 months, whichever occurs first.

**NOTE:** Compliance with the repetitive inspection of this revision is required if in compliance with the original issue of this service bulletin.

#### B. Repeat Inspection

A visual inspection in accordance with Steps 5.B., 8. and 9. of the Accomplishment Instructions, shall be accomplished every 100 hours of operation or 12 months, whichever occurs first.

## APPROVAL

FAA approval has been obtained on technical data in this publication that affects airplane type design.

For Reims Aviation airplanes, DGAC approval has been obtained on technical data in this publication that affects airplane type design.

## MAN-HOURS

Approximately 0.7 man-hours per flap to inspect and install the stainless steel washers.

Approximately 4.0 man-hours to install SK180-44 at one flap attach station.

## MATERIAL

The following parts are available from Cessna Parts Distribution through an appropriate Cessna Service Station for the suggested list price shown.

| <u>Part Number</u>             | <u>Description</u>                                                    | <u>Qty./Flap Attach Station</u> | <u>Price</u>            |
|--------------------------------|-----------------------------------------------------------------------|---------------------------------|-------------------------|
| AN3-11A                        | Bolt                                                                  | 1                               | \$ 0.34 (PS) ea. MQ 25  |
| MS21044N3                      | Nut                                                                   | 2                               | \$ 0.17 (PS) ea. MQ 100 |
| S1450-3S10-032                 | Washer                                                                | 2                               | \$ 2.50 (SE) ea. MQ 10  |
| SK180-44-1<br>(See Note 1)     | Flap Support Rib<br>Assembly And Roller<br>Bearing Replacement<br>Kit | 1 (if required)                 | \$ 122.20 (A) ea.       |
| SK180-44-2<br>(See Note 2)     | Left Flap Outboard<br>Support Riders<br>Replacement Kit               | 1 (if required)                 | \$ 178.00 (A) ea.       |
| SK180-44-3<br>(See Note 3)     | Right Flap Outboard<br>Support Riders<br>Replacement Kit              | 1 (if required)                 | \$ 178.00 (A) ea.       |
| 0523919<br>(See Note 4)        | Bushing                                                               | 1 (if required)                 | \$ 4.32 (A) ea.         |
| 0523231-5<br>(See Note 5)      | Bracket                                                               | (as required)                   | \$ 6.61 (SE) ea.        |
| 0523231-24<br>(See Note 5)     | Bracket                                                               | (as required)                   | \$ 33.00 (SE) ea.       |
| 0523920<br>(See Note 4)        | Roller Assembly                                                       | 1 (if required)                 | \$ 33.00 (SE) ea.       |
| 0523921<br>(See Note 4)        | Roller Assembly                                                       | 1 (if required)                 | \$ 26.20 (SE) ea.       |
| S1450-5N12-050<br>(See Note 4) | Spacer                                                                | 2 (if required)                 | \$ 3.57 (S) ea. MQ 10   |
| 1220114-1<br>(See Note 4)      | Spacer                                                                | 2 (if required)                 | \$ 2.48 (SE) ea.        |
| 1220114-2<br>(See Note 4)      | Spacer                                                                | 1 (if required)                 | \$ 0.35 (PS) ea. MQ 10  |

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

## NOTES:

1. This Service Kit will be required if the inspection reveals non-repairable damage to the flap supports. Each SK180-44-1 contains replacement left and right flap supports for one flap attach location, attaching hardware and the hardware required to accomplish the initial modification of installing the S1450-3S10-032 washers. This Service Kit is applicable for all flap attach stations except the outboard flap attach station for airplanes that are equipped with extended length flaps that have three flap attach stations.
2. This Service Kit will be required if the inspection reveals non-repairable damage to the left flap outboard attach station for airplanes equipped with extended length flaps that have three flap attach stations. Each SK180-44-2 contains replacement inboard and outboard flap rider assemblies, attaching hardware and the hardware required to accomplish the initial modification of installing the S1450-3S10-032 washers.
3. This Service Kit will be required if the inspection reveals non-repairable damage to the right flap outboard attach station for airplanes equipped with extended length flaps that have three flap assemblies, attaching hardware and the hardware required to accomplish the initial modification of installing the S1450-3S10-032 washers.
4. Refer to the appropriate Illustrated Parts Catalog to determine part applicability.
5. For Model 150, 152, 170, 172 and 175 Series Airplanes, order 0523231-24 Bracket to replace original 0523231-5 Bracket. Refer to applicable Illustrated Parts Catalog for remaining affected airplanes.

## ACCOMPLISHMENT INSTRUCTIONS

Flap Support And Roller Bearing Inspection/Flap Roller Washer Installation Accomplishment Instructions are attached.

**NOTE:** This information shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual or Instructions for continued airworthiness and must be accomplished for ongoing airworthiness compliance as required per 14 CFR Part (FAR) 43.13.

## CREDIT

Not applicable

## OWNER NOTIFICATION

- A. On March 24, 1995, the following Owner Advisory message was sent to applicable owners of record in SEB95-3A.

Dear Cessna Owner,

Service experience indicates the potential for wearing of the flap supports by the flap rollers. To assist in preventing this condition from occurring, a inspection of the flap supports and rollers along with a modification to install stainless steel washers on each side of the forward rollers shall be accomplished. Failure to accomplish this inspection and modification could result in damage to the flap supports and/or loss of flap control.

Compliance is recommended; should be accomplished within the next 100 hours of operation or 12 months, whichever occurs first.

Please contact a Cessna Single Engine Service Station for detailed information regarding the accomplishment of this service bulletin on your airplane.

- B. On September 17, 2001 the following Owner Advisory message was sent to applicable owners of record in SEB95-3R1A.

Dear Cessna Owner:

This letter is to provide notification that an inspection is required of the flap supports and rollers on your airplane. Service experience indicates the potential for wearing of the flap supports by the flap rollers. To assist in preventing this condition from occurring, a inspection of the flap supports and rollers along with a modification to install stainless steel washers on each side of the forward rollers shall be accomplished. Failure to accomplish this inspection and modification could result in damage to the flap supports and/or loss of flap control.

Compliance is mandatory;

- A. Initial Inspection

Shall be accomplished within the next 100 hours of operation or 12 months, whichever occurs first.

**NOTE:** Compliance with the repetitive inspection of this revision is required if in compliance with the original issue of this service bulletin.

- B. Repeat Inspection

A visual inspection in accordance with Steps 5.B., 8. and 9. of the Accomplishment Instructions, shall be accomplished every 100 hours of operation or 12 months, whichever occurs first.

The information contained in the referenced Cessna Service Bulletin shall be considered an amendment to the Cessna Manufacturer's Service/Maintenance Manual or Instructions for continued airworthiness and must be accomplished for ongoing airworthiness compliance as required per 14 CFR Part (FAR) 43.13.

Please contact a Cessna Single Engine Service Station for detailed information and make arrangements to have Service Bulletin SEB95-3 Revision 1 accomplished on your airplane.

\* \* \* \* \*

# ACCOMPLISHMENT INSTRUCTIONS

Single Engine



**SEB95-3**  
Revision 1

**TITLE** FLAP SUPPORT AND ROLLER BEARING INSPECTION/FLAP ROLLER WASHER  
INSTALLATION

**EFFECTIVITY:**

## MODEL SERIES

150  
150  
A150  
A150  
A150  
A-150  
A-A150  
F150  
FA150  
FRA152  
152  
A152  
A152  
F152  
FA152  
170  
172  
172  
F172  
R172  
R172  
FR172  
172RG  
P172  
FP172  
R172 (T41B/C/D)  
R172 (T41D)  
175  
180  
182/TR82  
A182  
R182/TR182  
F182  
FR182  
185  
188/A188  
188/A188  
188

## SERIAL NUMBERS

617, 628, 644, 17001 thru 1506469  
15064971 thru 15079405  
A1500001 thru A1500432  
A1500434 thru A1500734  
15064970  
A-1501001 thru A-1501039  
A-A1500001 thru A-A1500009  
F150-0001 thru FF15001428  
FA1500001 thru FA1500120  
FRA1500121 thru FRA1500336  
15279406 thru 15286033  
A1520735 thru A1521049  
A1500433, 681  
F15201429 thru F15201980  
FA1520337 thru FA1520425  
609, 19401, 20267, thru 27169  
610, 612, 615, 622, 625, 630,  
639, 638, 28000 thru 17276654  
F172-0001 thru F17202254  
R1722000 thru R1723454  
P17257189  
FR17200001 thru FR17200675  
691, 172RG0001 thru 172RG1191  
P17257120 thru P17257188  
FP172-0001 thru FP172-0003  
R172-0001 thru R172-0409  
R1720410 thru R1720620  
28700A, 55001 thru 17557119, 619  
604, 614, 624, 645, 30000 thru 18053203  
613, 631, 634, 675, 33000 thru 18268586  
A182-0001 thru A182-0148  
R18200001 thru R18202039  
F18200001 thru F18200169  
FR18200001 thru FR18200070  
632, 652, 185-0001 thru 18504448  
653, 188-0001 thru 188-0572  
18800573 thru 18800832  
18800833 thru 18802348

Original Issue: March 10, 1995  
Revision 1: September 17, 2001

Page 1 of 11

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

Cessna Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277, U.S.A. (316) 517-5800 Facsimile (316) 942-9006

COPYRIGHT©1995

# ACCOMPLISHMENT INSTRUCTIONS

**SEB95-3**

Revision 1

**EFFECTIVITY:** (Continued)

## MODEL SERIES

A188  
A188  
T188  
A-A188  
210-5 (205)  
210-5A (205A)  
206/U206  
U206/TU206  
P206/TP206  
207/T207  
210  
210

## SERIAL NUMBERS

678T, 18800833 thru 18803973  
18800967T thru 1880974T  
T18803307T thru T18803974T  
A-A1880001 thru A-A1880034  
641, 205-0001 thru 205-0480  
205-0481 thru 205-0577  
206-0001 thru 206-0275  
676, U206-0276 thru U20607020  
P206-0001 thru P20600647  
20700001 thru 20700788  
616, 618, 57001 thru 21058139  
21058141 thru 21058220

## DESCRIPTION

This document provides instructions to inspect the flap supports and attaching structure for damage such as wear, gouges, cracks and security of attachment.

## APPROVAL

FAA approval has been obtained on technical data in this publication that affects airplane type design.

For Reims Aviation airplanes: DGAC approval has been obtained on technical data in this publication that affects airplane type design.

## REFERENCE

SEB95-3R1

## CHANGE IN WEIGHT AND BALANCE

WEIGHT INCREASE .....Negligible

# ACCOMPLISHMENT INSTRUCTIONS

**SEB95-3**

Revision 1

## MATERIAL INFORMATION

**NOTE:** The following components will be required to complete this inspection procedure. *Quantities are for each affected flap attach station.*

| PART NUMBER    | QUANTITY | DESCRIPTION  |
|----------------|----------|--------------|
| AN3-11A        | 1        | Bolt-Forward |
| MS210044N3     | 2        | Nut          |
| S1450-3S10-032 | 2        | Washer       |

**NOTE:** The following kit may be required if the inspection reveals damage to the flap support arm assembly. This kit is not to be installed at the outboard flap attach station for airplanes equipped with extended length flaps (three attach stations). *Quantities are for each affected flap station.*

| PART NUMBER | QUANTITY | DESCRIPTION                                           |
|-------------|----------|-------------------------------------------------------|
| SK180-44-1  | 1        | Kit, Flap Support and Flap Roller Washer Installation |

**NOTE:** The following parts may be required if the inspection reveals wear or damage to the flap attaching parts, rollers or bushings. Refer to the applicable airplane Illustrated Parts Catalog for part applicability, quantity required and location of installation.

| PART NUMBER    | QUANTITY | DESCRIPTION     |
|----------------|----------|-----------------|
| 0523919        | 1        | Bushing         |
| 0523920        | 1        | Roller Assembly |
| 0523921        | 1        | Roller Assembly |
| S1450-5N12-050 | 2        | Spacer          |
| 1220114-1      | 1        | Spacer          |
| 1220114-2      | 1        | Spacer          |

**NOTE:** The following kits may also be required if the inspection reveals wear for damage to the flap outboard support riders for airplanes with extended length flaps:

| PART NUMBER | QUANTITY | DESCRIPTION                                         |
|-------------|----------|-----------------------------------------------------|
| SK180-44-2  | 1        | Kit, Left Flap Outboard Support Riders Replacement  |
| SK180-44-3  | 1        | Kit, Right Flap Outboard Support Riders Replacement |

## ACCOMPLISHMENT INSTRUCTIONS

1. Attach maintenance warning tags to the cockpit controls within clear view stating:

### **WARNING: MAINTENANCE IN PROGRESS**

2. Fully extend the wing flaps.
3. Remove the flaps from the airplane. (Refer to the appropriate airplane Service Manual.) Retain washers, bearings, rollers and aft bolt. Discard forward bolt, aft and forward nut.

# ACCOMPLISHMENT INSTRUCTIONS

**SEB95-3**

Revision 1

4. (Refer to Figure 1, Sheet 4, View A-A, View B-B, and View C-C and Sheet 5, View E-E.) Use a rag damp with Stoddard solvent (or equivalent) and a nonmetallic abrasive pad such as Scotch Brite, clean the flap support arms.

**NOTE:** Complete one flap attach station at a time before moving on to the next.

5. (Refer to Figure 1, Sheet 6, Detail Y.) Using a dye penetrant, inspect each flap support arm or rider at the forward and aft roller assembly mounting points for grooves and/or cracks.

**NOTE:** Circular grooves may have developed from the roller assembly rubbing on the flap support arm or rider. If this condition is present, use an optical or mechanical depth micrometer and measure the depth of the grooves.

**CAUTION:** DO NOT USE POWERED GRINDING DISC OR HAND FILE FOR BLENDING GROOVES. USE CARE WHEN BLENDING GROOVES NOT TO EXCEED 0.020 INCH TOTAL MATERIAL REMOVED.

- A. If no cracks are present and if any grooves are present, use 400 grit Emery cloth and blend out the grooves using care not to remove excessive material; blending to remove grooves shall not exceed the maximum depth of 0.020 inch.

**NOTE:** Maximum wear and clean-up shall not exceed 0.020 inch material loss. If cracks are present or grooves exceeds a 0.020 inch depth, replace the flap support arms by installing one SK180-44-1 per affected flap station. For airplanes equipped with extended length flaps (Refer to Figure 1, Sheet 3) at the outboard flap attach station, install SK180-44-2 or SK180-44-3 as required.

- B. Inspect flap track rib assemblies and attaching wing structure for security of attachment, cracks, distortion, loose rivets, corrosion and any other apparent damage. Refer to the appropriate airplane service manual for repair or replacement of any parts as required.
- C. Apply primer to bare metal and allow one hour to cure. Paint the area to match the flap if desired.

6. (Refer to Figure 1, Sheet 4, View D-D and Sheet 5, View F-F.) Reassemble and install the roller and roller bushing, at both the forward and aft locations, on the flap tracks.

**NOTE:** Before reinstallation of the flaps, inspect the existing attaching parts in all attach locations for wear or damage. If the hardware is worn or damaged, refer to the appropriate airplane Illustrated Parts Catalog and order new attaching parts. Refer to appropriate airplane Service Manual for flap installation. For Model 150, 152, 170, 172 and 175 Series Airplanes, order 0523231-24 Bracket to replace original 0523231-5 Bracket. Refer to applicable parts catalog for remaining affected airplanes.

- A. Install the two (2) new S1450-3S10-032 washers on the forward roller assembly only, one on each side of the roller bushings, with the square-edge side facing the flap roller assembly, (1) AN3-11A bolt and (1) MS21044N3 nut. Install retained hardware in the aft location using the existing bearing retained in step 3.
  - B. Torque the MS21044N3 nut to 20 inch-pounds. Check the two (2) S1450-3S10-032 washers with finger pressure to assure they will NOT rotate. If rotation is felt, loosen the nut, retorque to 25 inch-pounds and verify the washer cannot be turned with finger pressure.
  - C. Verify the flap roller is free to rotate.
7. Repeat steps 3 thru 6 until all flap supports have been inspected.

# ACCOMPLISHMENT INSTRUCTIONS

---

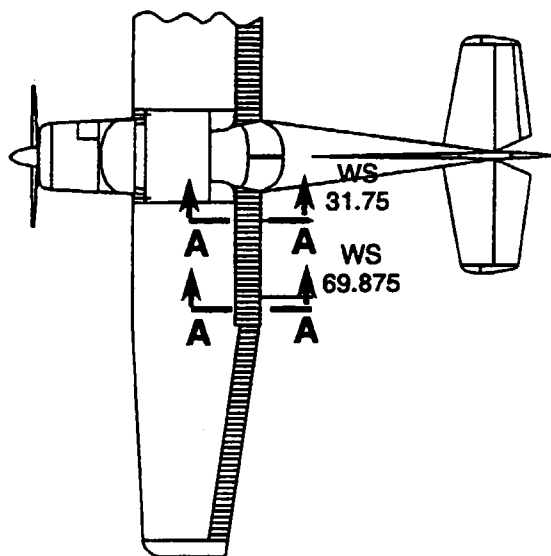
**SEB95-3**

Revision 1

8. Operate the flaps full up and full down 3 times. Ensure no binding exists in flap movement. Return flaps to the full up position. Remove maintenance tags.
9. Make an entry in the airplane logbook stating compliance with this service bulletin and method of compliance.

# ACCOMPLISHMENT INSTRUCTIONS

**SEB95-3**  
Revision 1



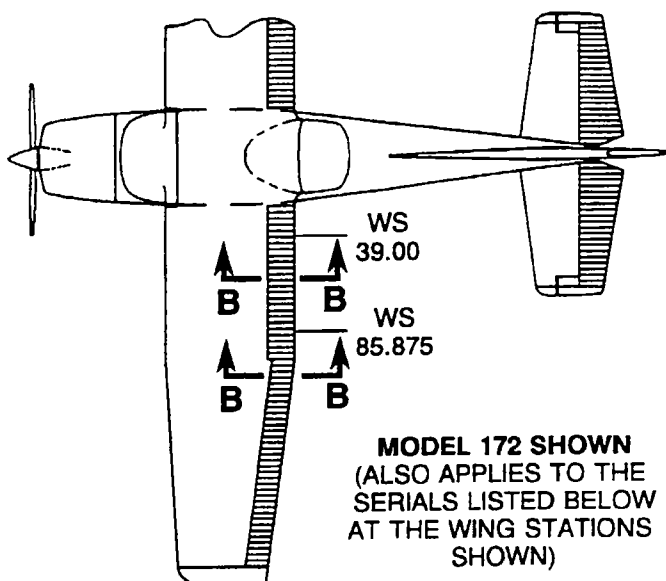
**MODEL 152 SHOWN**  
(ALSO APPLIES TO THE  
SERIALS LISTED BELOW  
AT THE WING STATIONS  
SHOWN)

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| 150    | 617, 628, 644, 649, 17001 Thru 15064969,<br>15064971 Thru 15079405 |
| A150   | A1500001 Thru A1500432                                             |
| A150   | A1500434 Thru A1500734, 15064970                                   |
| A-150  | A-1501001 Thru A-1501039                                           |
| A-A150 | A-A1500001 Thru A-A1500009                                         |
| F150   | F150-0001 Thru F15001428                                           |
| FA150  | FA1500001 Thru FA1500120                                           |
| FRA150 | FRA1500121 Thru FRA1500336                                         |
| 152    | 15279406 Thru 15286033                                             |
| A152   | 681, A1520735 Thru A1521049, A1500433                              |
| F152   | F15201429 Thru F15201980                                           |
| FA152  | FA1520337 Thru FA1520425                                           |

Figure 1. Flap Support Rib Assembly and Roller Bearing Inspection (Sheet 1 of 6)

# ACCOMPLISHMENT INSTRUCTIONS

**SEB95-3**  
Revision 1

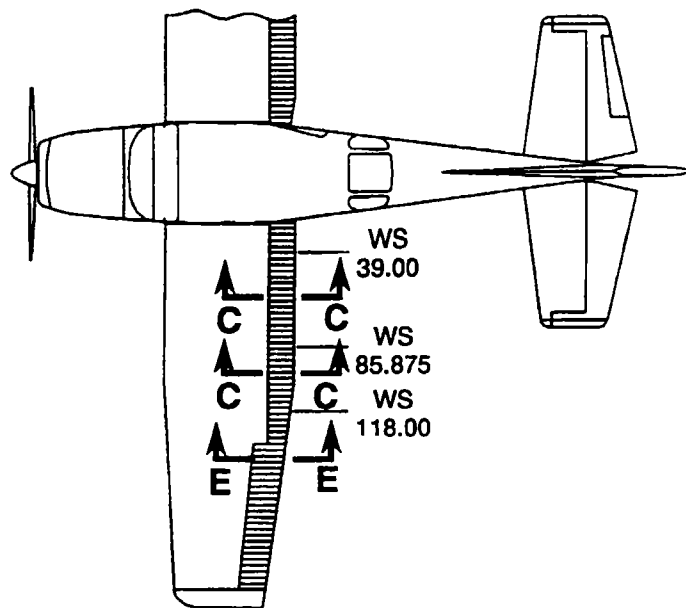


|                    |                                                                |                  |                                                                                    |
|--------------------|----------------------------------------------------------------|------------------|------------------------------------------------------------------------------------|
| 170                | 609, 19401, 20267 Thru 27169                                   | R182/<br>TR182   | R18200001 Thru R18202039                                                           |
| 172                | 610, 612, 615, 622, 625, 630, 638,<br>639, 28000 Thru 17276654 | A182             | A182-0001 Thru A182-0148                                                           |
| F172               | F172-0001 Thru F17202254                                       | F182             | F18200001 Thru F18200169                                                           |
| P172               | P17257120 Thru P17257188                                       | FR182            | FR18200001 Thru FR18200070                                                         |
| R172<br>(T41B/C/D) | R172-0001 Thru R172-0409                                       | 185              | 632, 652, 185-0001 Thru 18504448                                                   |
| R172<br>(T41D)     | R1720410 Thru R1720620                                         | 188/A188         | 653, 188-0001 Thru 188-0572                                                        |
| R172               | R1722000 Thru R1723454,<br>P17257189                           | 188/A188         | 18800573 Thru 18800832                                                             |
|                    |                                                                | 188              | 18800833 Thru 18802348                                                             |
|                    |                                                                | A188             | 678T, 18800833 Thru 18803973                                                       |
|                    |                                                                | A188             | 18800967T Thru 18803973T                                                           |
|                    |                                                                | T188             | T18803307T Thru T 803974T                                                          |
| 172RG              | 691, 172RG0001 Thru 172RG1191                                  | A-A188           | A-A1880001 Thru A-A1880034                                                         |
| FP172              | FP172-0001 Thru FP172-0003                                     | 210-5 (205)      | 641, 205-0001 Thru 205-0480                                                        |
| FR172              | FR17200001 Thru FR17200675                                     | 210-5A<br>(205A) | 205-0481 Thru 205-0577                                                             |
| 175                | 28700A, 55001 Thru 17557119, 619                               | U206 /<br>TU206  | U20601569 Thru U20607020                                                           |
| 180                | 604, 614, 624, 645,<br>30000 Thru 18053203                     | 207/<br>T207     | 20700191 Thru 20700788                                                             |
| 182/<br>T182       | 613, 631, 634, 675,<br>33000 Thru 18268586                     | 210              | 616, 618, 57001 Thru 57575 and<br>21057576 Thru 21058139<br>21058141 Thru 21058220 |

Figure 1. Flap Support Rib Assembly and Roller Bearing Inspection (Sheet 2)

# ACCOMPLISHMENT INSTRUCTIONS

**SEB95-3**  
Revision 1



**MODEL 206 SHOWN  
(ALSO APPLIES TO THE  
SERIALS LISTED BELOW  
AT THE WING STATIONS  
SHOWN)**

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| 206/U206        | 206-0001 Thru 206-0275                                        |
| U206 /<br>TU206 | 676, U206-0276 Thru U206-1444 and<br>U20601445 Thru U20601568 |
| P206 /<br>TP206 | P206-0001 Thru P206-0603 and<br>P20600604 Thru P20600647      |
| 207 /<br>T207   | 20700001 Thru 20700190                                        |

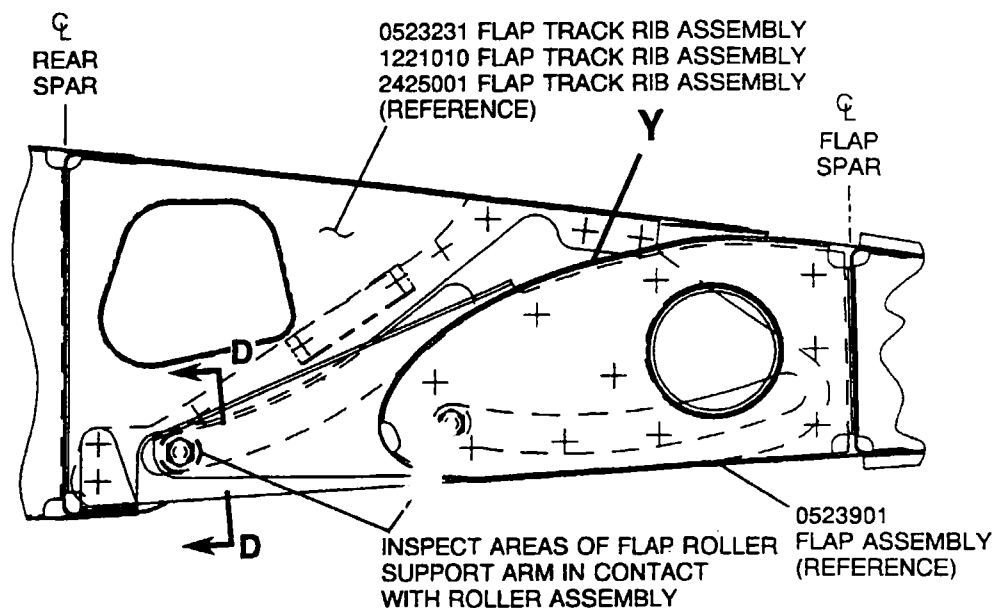
## **AIRPLANES WITH EXTENDED FLAPS**

Figure 1. Flap Support Rib Assembly and Roller Bearing Inspection (Sheet 3)

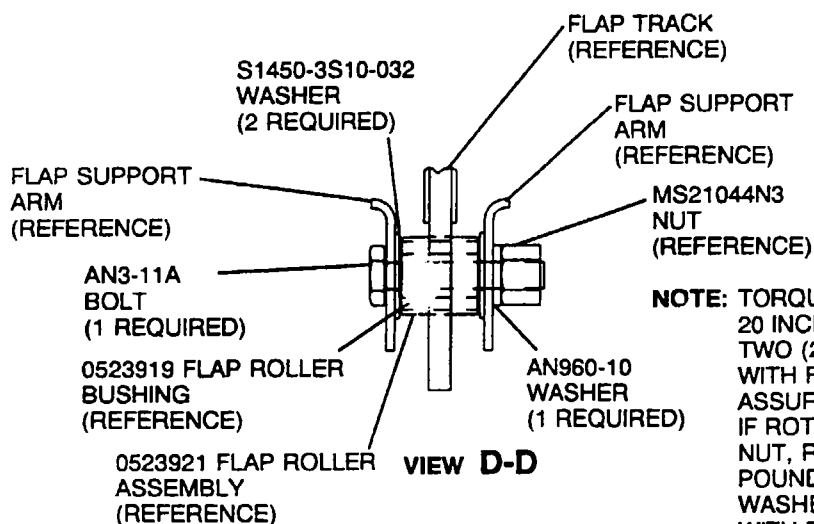
# ACCOMPLISHMENT INSTRUCTIONS

**SEB95-3**

Revision 1



**NOTE:** DO NOT INSTALL S1450-3S10-032 WASHERS ON THE AFT ROLLER ASSEMBLY



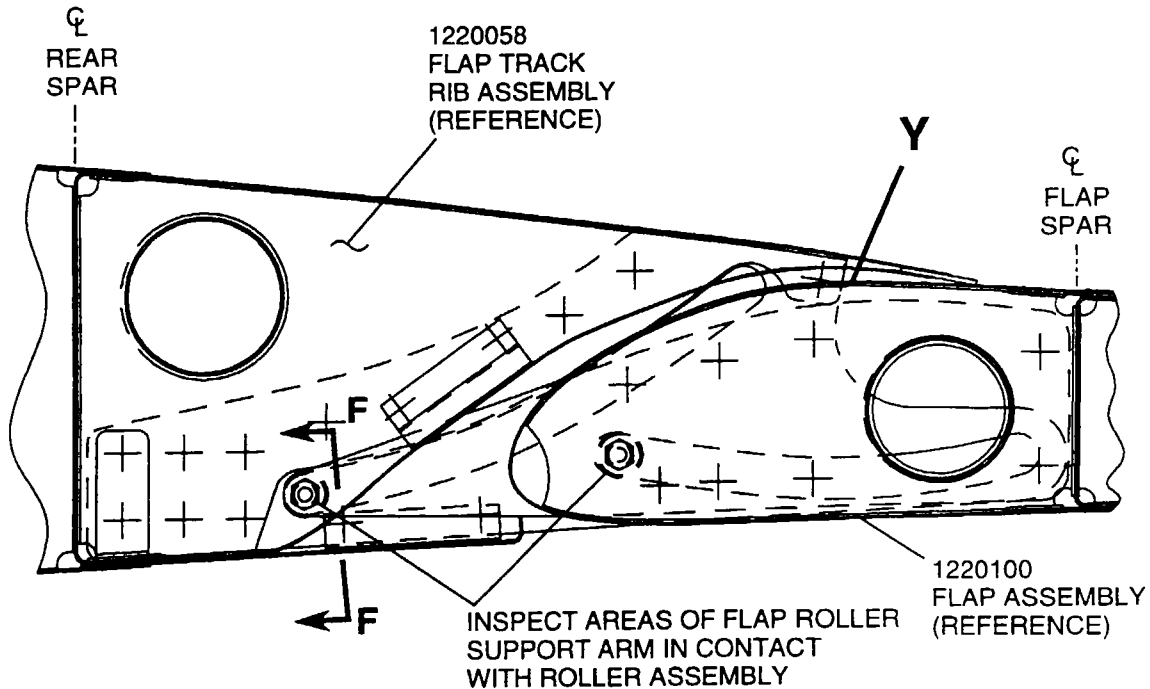
**NOTE:** TORQUE THE MS21044N3 NUT TO 20 INCH-POUNDS. CHECK THE TWO (2) S1450-3S10-032 WASHERS WITH FINGER PRESSURE TO ASSURE THEY WILL NOT ROTATE. IF ROTATION IS FELT, LOOSEN THE NUT, RETORQUE TO 25 INCH-POUNDS, AND VERIFY THE WASHER CANNOT BE TURNED WITH FINGER PRESSURE

Figure 1. Flap Support Rib Assembly and Roller Bearing Inspection (Sheet 4)

# ACCOMPLISHMENT INSTRUCTIONS

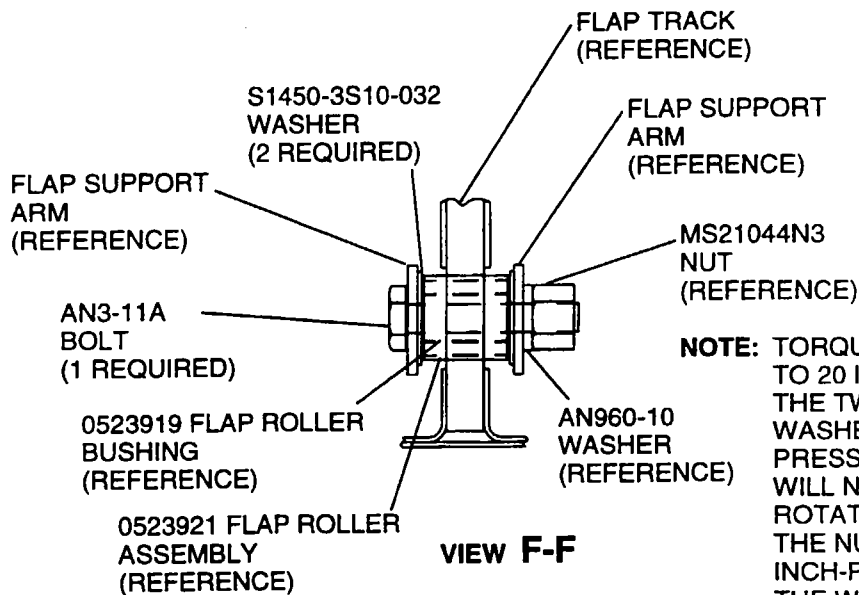
SEB95-3

Revision 1



VIEW E-E

**NOTE:** DO NOT INSTALL S1450-3S10-032 WASHERS ON THE AFT ROLLER ASSEMBLY



VIEW F-F

**NOTE:** TORQUE THE MS21044N3 NUT TO 20 INCH-POUNDS. CHECK THE TWO (2) S1450-3S10-032 WASHERS WITH FINGER PRESSURE TO ASSURE THEY WILL NOT ROTATE. IF ROTATION IS FELT, LOOSEN THE NUT, RETORQUE TO 25 INCH-POUNDS, AND VERIFY THE WASHER CANNOT BE TURNED WITH FINGER PRESSURE

Figure 1. Flap Support Rib Assembly and Roller Bearing Inspection (Sheet 5)

# ACCOMPLISHMENT INSTRUCTIONS

SEB95-3

Revision 1

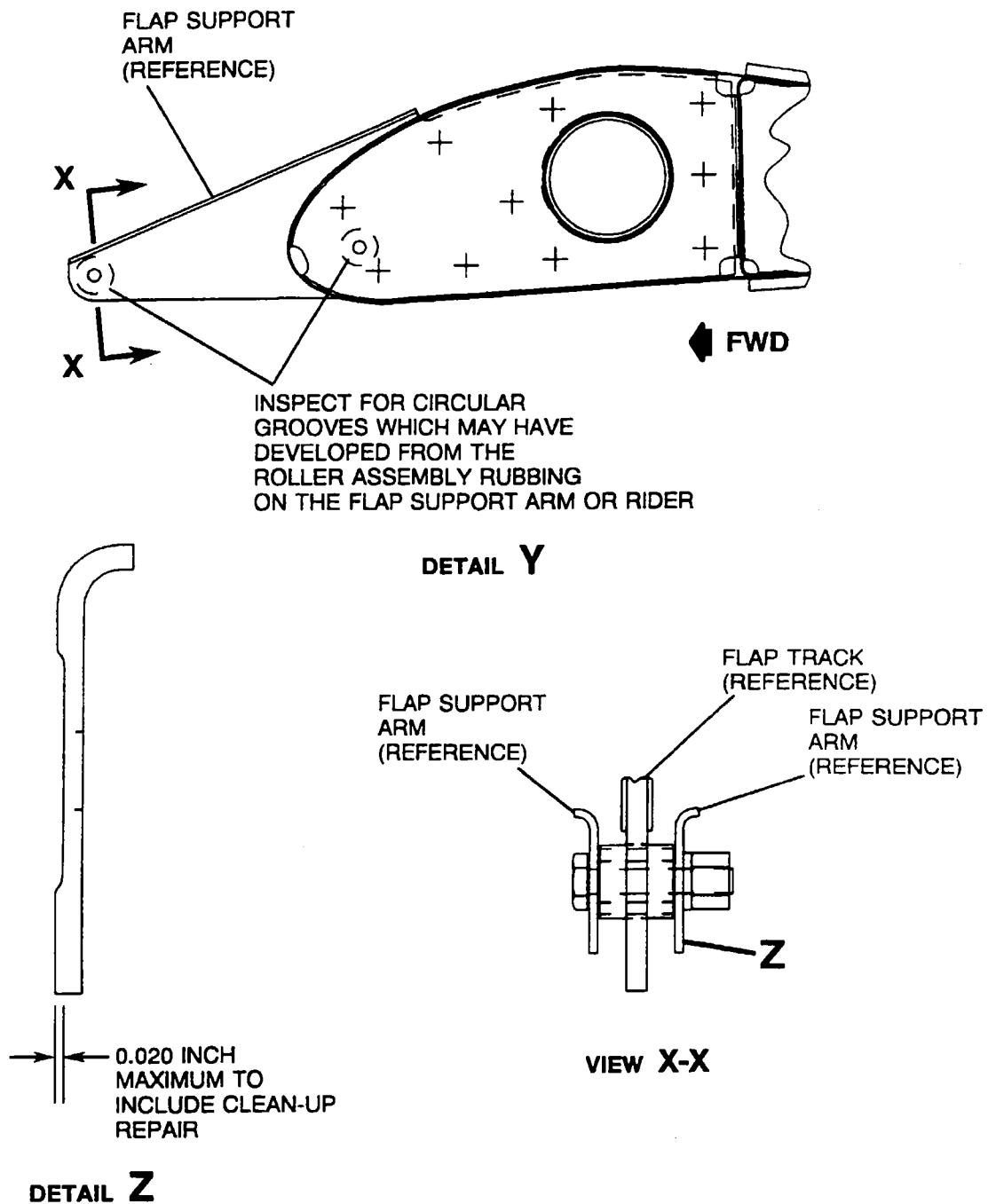


Figure 1. Flap Support Rib Assembly and Roller Bearing Inspection (Sheet 6)

TITLE      FLAP SUPPORT AND FLAP ROLLER WASHER INSTALLATION

## EFFECTIVITY

| MODEL(S)        | SERIAL NUMBERS                                                 |
|-----------------|----------------------------------------------------------------|
| 150             | 617, 628, 644, 649, 17001 thru 15064969                        |
| 150             | 15064971 thru 15079405                                         |
| A150            | A1500001 thru A1500432                                         |
| A150            | A1500434 thru A1500734                                         |
| A150            | 15064970                                                       |
| A-150           | A-1501001 thru A-1501039                                       |
| A-A150          | A-A1500001 thru A-A1500009                                     |
| F150            | F150-0001 thru F15001428                                       |
| FA150           | FA1500001 thru FA1500120                                       |
| FRA152          | FRA1500121 thru FRA1500336                                     |
| 152             | 15279406 thru 15286033                                         |
| A152            | 681, A1520735 thru A1521049                                    |
| A152            | A1500433                                                       |
| F152            | F15201429 thru F15201980                                       |
| FA152           | FA1520337 thru FA1520425                                       |
| 170             | 609, 19401, 20267 thru 27169                                   |
| 172             | 610, 612, 615, 622, 625, 630,<br>639, 638, 28000 thru 17276654 |
| F172            | F172-0001 thru F17202254                                       |
| R172            | R1722000 thru R1723454                                         |
| R172            | P17257189                                                      |
| FR172           | FR17200001 thru FR17200675                                     |
| 172RG           | 691, 172RG0001 thru 172RG1191                                  |
| P172            | P17257120 thru P17257188                                       |
| FP172           | FP172-0001 thru FP172-0003                                     |
| R172 (T41B/C/D) | R172-0001 thru R172-0409                                       |
| R172 (T41D)     | R1720410 thru R1720620                                         |
| 175             | 28700A, 55001 thru 17557119, 619                               |
| 180             | 604, 614, 624, 645, 30000 thru 18053203                        |
| 182/T182        | 613, 631, 634, 675, 33000 thru 18268586                        |
| A182            | A182-0001 thru A182-0148                                       |
| R182/TR182      | R18200001 thru R18202039                                       |
| F182            | F18200001 thru F18200169                                       |
| FR182           | FR18200001 thru FR18200070                                     |
| 185             | 632, 652, 185-0001 thru 18504448                               |
| 188/A188        | 653, 188-0001 thru 188-0572                                    |
| 188/A188        | 18800573 thru 18800832                                         |
| 188             | 18800833 thru 18802348                                         |
| A188            | 678T, 18800833 thru 18803973                                   |
| A188            | 18800967T thru 18803973T                                       |
| T188            | T18803307T thru T18803974T                                     |
| A-A188          | A-A1880001 thru A-A1880034                                     |

March 10, 1995

Page 1 of 15

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. The Cessna Aircraft Company cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

The Cessna Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277, U.S.A. (316) 941-7550, Facsimile (316) 942-9006

COPYRIGHT © 1995

# SERVICE KIT

SK180-44

## EFFECTIVITY (Continued)

| MODEL(S)      | SERIAL NUMBERS                |
|---------------|-------------------------------|
| 210-5 (205)   | 641, 205-0001 thru 205-0480   |
| 210-5A (205A) | 205-0481 thru 205-0577        |
| 206/U206      | 206-0001 thru 206-0275        |
| U206/TU206    | 676, U206-0276 thru U20607020 |
| P206/TP206    | P206-0001 thru P20600647      |
| 207/T207      | 20700001 thru 20700788        |
| 210           | 616, 618, 57001 thru 21058139 |
| 210           | 21058141 thru 21058220        |

## DESCRIPTION

This service kit provides parts and instructions for the removal and installation of the flap support arm rib assembly.

## APPROVAL

FAA approval has been obtained on technical data in this publication that affects airplane type design.

For Reims Aviation airplanes: DGAC approval has been obtained on technical data in this publication that affects airplane type design.

## REFERENCE

SEB95-3

## CHANGE IN WEIGHT AND BALANCE

|                       |             |
|-----------------------|-------------|
| MODEL .....           | All         |
| WEIGHT INCREASE ..... | Negligible. |

# SERVICE KIT

SK180-44

## MATERIAL INFORMATION

Order one (1) SK180-44-1 Kit per flap attach location **except** the outboard location of airplanes with extended length flaps (certain Models 206 and 207, refer to Figure 1, Sheet 6 for extended flaps):

| PART NUMBER    | QUANTITY | DESCRIPTION                             |
|----------------|----------|-----------------------------------------|
| SK180-44-1     | 1        | Kit, consisting of the following parts: |
| AN3-11A        | 2        | Bolt                                    |
| NAS1149F0363P  | 1        | Washer                                  |
| MS20470AD3-3   | 50       | Rivet                                   |
| MS20470AD3-4   | 50       | Rivet                                   |
| MS20470AD3-5   | 25       | Rivet                                   |
| MS20470AD4-3.5 | 6        | Rivet                                   |
| MS20470AD4-4   | 6        | Rivet                                   |
| MS20470AD4-5   | 1        | Rivet                                   |
| MS21044N3      | 2        | Nut                                     |
| NAS1738B4-1    | 10       | Rivet                                   |
| S1450-3S10-032 | 2        | Washer                                  |
| 0523901-13     | 1        | Rib Assembly-Flap Support Arm Left      |
| 0523901-14     | 1        | Rib Assembly-Flap Support Arm Right     |
|                | 1        | Instructions                            |

Airplanes with extended length flaps order the following kit if required to replace the left flap outboard support riders:

| PART NUMBER    | QUANTITY | DESCRIPTION                             |
|----------------|----------|-----------------------------------------|
| SK180-44-2     | 1        | Kit, consisting of the following parts: |
| AN3-11A        | 1        | Bolt                                    |
| MS20470AD4-3.5 | 6        | Rivet                                   |
| MS20470AD4-4   | 6        | Rivet                                   |
| NAS1149F0363P  | 1        | Washer                                  |
| MS21044N3      | 1        | Nut                                     |
| S1450-3S10-032 | 2        | Washer                                  |
| 1220109-1      | 1        | Rider Assembly-Inboard LH               |
| 1220109-3      | 1        | Rider Assembly-Outboard LH              |
|                | 1        | Instructions                            |

# SERVICE KIT

SK180-44

## MATERIAL INFORMATION (Continued)

Airplanes with extended length flaps order the following kit if required to replace the right flap outboard support riders:

| PART NUMBER    | QUANTITY | DESCRIPTION                             |
|----------------|----------|-----------------------------------------|
| SK180-44-3     | 1        | Kit, consisting of the following parts: |
| AN3-11A        | 1        | Bolt                                    |
| MS20470AD4-3.5 | 6        | Rivet                                   |
| MS20470AD4-4   | 6        | Rivet                                   |
| MS21044N3      | 1        | Nut                                     |
| NAS1149F0363P  | 1        | Washer                                  |
| S1450-3S10-032 | 2        | Washer                                  |
| 1220109-2      | 1        | Rider Assembly-Inboard RH               |
| 1220109-4      | 1        | Rider Assembly-Outboard RH              |
|                | 1        | Instructions                            |

## ACCOMPLISHMENT INSTRUCTIONS

1. Lower the flaps to the full down position and disconnect battery cable and all external power to the airplane. Attach maintenance warning tags, to the battery connector and external power receptacle, stating:

**WARNING: DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS**

2. Remove the flaps from the wing. (Refer to the appropriate Service Manual, Flaps - Removal and Installation.)

**NOTE:** As each flap is removed from the wing, all rollers, bushings and spacers will fall free. Retain the forward and aft bearing and bushing and the aft washers for reinstallation. Discard the forward attach bolt, nut and washers and the aft bolt and nut.

3. Drill out rivets securing the upper corrugated flap skin forward edge across the flap spar edge 4 or 5 rivets past the affected flap support station. (Refer to Figure 1, Sheet 1, Detail A.)

**NOTE:** The outboard flap rider assembly replacement on airplanes with three (3) attach point flaps are similar procedures as the inboard and center flap support arm. Refer to Figure 1, Sheet 6, for serial numbers of those airplanes.

4. Drill out rivets securing the upper corrugated flap skin to the flap outboard rib and those rivets securing the trailing edges together enough to be equal to that of step 3. Drill out the rivets securing the flap trailing edge rib from the upper skin, but do not remove the flap trailing edge rib from the lower skin.
5. Roll the corrugated flap skin out of the way toward the center of the flap and secure with a strong reinforced tape.

**CAUTION:** DRILL OFF ONLY ONE FLAP SUPPORT ARM AT A TIME USING THE REMAINING SUPPORT ARM AS A LOCATOR FOR THE NEW SUPPORT ARM INSTALLATION.

6. Drill out the rivets securing the existing left flap support arm to the leading edge skin and the flap spar. Pull the flap support arm through the hole in the leading edge skin and discard the existing flap support arm. (Refer to Figure 1, Sheet 2, Detail B and Sheet 3, Detail C.)

# SERVICE KIT

SK180-44

**CAUTION:** IT MAY BE REQUIRED TO TRIM THE LEADING EDGE SKIN AROUND THE FLAP SUPPORT ARMS TO ALLOW CLEARANCE FOR THE FLAP SUPPORT ARMS TO BE REMOVED FROM THE FLAP ASSEMBLY. USE CARE WHEN TRIMMING THE SKIN TO MAINTAIN A MINIMUM OF 0.25 INCH EDGE DISTANCE FROM THE EDGE OF THE SKIN TO THE EDGE OF THE ATTACHING RIVETS.

7. Mark a line down the center of the new 0523901-13 left and 0523901-14 right flap support arm rib flange to aid in aligning the rib with the existing rivet holes of the leading edge skin.
8. Insert the new 0523901-13 left flap support arm in the existing flap support location. Align the aft rivet holes in the flap support arm to the corresponding holes in the flap spar. Secure in position using two temporary metal fasteners. (Refer to Figure 1, Sheet 7, Views A-A, B-B, C-C and Sheet 8, E-E.)
9. Drill the aft holes in the rib assemblies with the holes in the spar using a Number 30 (0.128 inch diameter) drill. Secure each with a temporary metal fastener.
10. Fabricate a spacer using materials on hand (wood, metal, phenolic) that is 2 inches × 5 inches × 0.60 (+0.00/-0.01) inch. Lay the removed flap support on the spacer and mark the existing locations of the bolt holes onto the block using a scribe or a pencil. Using a drill press which has been positioned 90° perpendicular to the surface of the spacer, drill two (2) Number 10 (0.193 inch diameter) holes in the spacer at the marked locations.
11. Place the spacer between the two flap support arms. Insert an AN3-11A bolt at the forward hole thru the remaining flap support, the new spacer and the new flap support. Insert another AN3-11A bolt thru the aft position in the same manner. Clamp the spacer and supports midpoint between the bolts with a C-clamp. (Refer to Figure 1, Sheet 9, Detail E, View G-G and Detail D.)
12. Using a 3/32 (0.093 inch diameter) drill, drill eight holes in the rib flange of the flap support rib to the existing rivet locations in the leading edge skin. Use the line made in step 7 to assure alignment. (Refer to Figure 1, Sheet 3, View A-A.)
13. Remove the clamp and spacer. Remove support temporarily and deburr all holes. Touch up parts with primer and allow to cure.
14. Drill out the rivets securing the existing right flap support arm to the leading edge skin and the flap spar. Pull the flap support arm through the hole in the leading edge skin and discard. (Refer to Figure 1, Sheet 2, Detail B and Sheet 3, Detail C.)
15. Insert a new 0523901-14 flap support arm in the existing flap support location. Install the 0523901-13 flap support arm using temporary sheet metal fasteners. Align the aft rivet holes in the 0523901-14 flap support arm to those corresponding holes in the flap spar. Secure into position using a temporary metal fastener. Place the spacer between the two flap support arms and clamp in place with a C-clamp.
16. Using a 3/32 (0.093 inch diameter) drill, drill eight holes into the 0523901-14 rib flange of the flap support rib to the existing rivet locations in the leading edge skin. (Refer to Figure 1, Sheet 3, View A-A.)
17. Remove the C-Clamp and the spacer (retain for other installations if necessary). Remove all temporarily installed parts and deburr all holes. Touch up parts with primer and allow to cure.
18. Secure the new 0523901-13 flap support arm to the leading edge of the flap using MS20470AD3-3 rivets, removing the temporary metal fasteners as required. (Refer to Figure 1, Sheet 2, Detail B, and Sheet 3, Detail C.)
19. Insert the 0523901-14 flap support arm again in the existing flap support location and secure in position using a temporary metal fastener. Secure the aft 3 holes of the rib to the flap spar using MS20470AD4-4 rivets.
20. Secure the rib to the leading edge of the flap using MS20470AD3-4 rivets removing the temporary metal fasteners as required. (Refer to Figure 1, Sheet 2, Detail B, and Sheet 3, Detail C.)

# SERVICE KIT

**SK180-44**

21. Reinstall the upper flap skin using MS20470AD3-4 rivets as required, except for the forward position on the aft rib which uses a MS20470AD4-5 rivet. Blind fasteners may be used in the last two positions of the flap ribs if necessary. (Refer to Figure 1, Sheet 2, Detail B and Sheet 3, Detail C.)
22. Reinstall the flap:
  - A. (Refer to Figure 1, Sheet 7, View D-D and Sheet 8, View F-F.) Reassemble and install the roller and roller bushing, at both the forward and aft locations, on the flap tracks.
  - B. Install the two (2) new S1450-3S10-032 washers on the forward roller assembly only, one on each side of the roller bushing, with the square-edge side facing the flap roller assembly, (1) AN3-11A bolt , (1) NAS1149F0363P washer and (1) MS21044N3 nut at each location.

**NOTE:** Install S1450-3S10-032 washers on the forward roller assembly only. Do not install S1450-3S10-032 washers on the aft roller assembly.
  - C. Torque the MS21044N3 nut to 20 inch-pounds. Check the two (2) S1450-3S10-032 washers with finger pressure to assure they will NOT rotate. If rotation is felt, loosen the nut. Retorque to 25 inch-pounds and verify the washer can not be turned with finger pressure.
  - D. Verify the flap roller is free to rotate.
  - E. Remove maintenance warning tags and reconnect battery cable.
23. Operate the flaps full up and full down 3 times. Assure no binding exists in flap movement. Return the flaps to the full up position.
24. Make an entry in the airplane logbook stating this service kit has been installed and the location of the flap attach station that was modified.

# SERVICE KIT

SK180-44

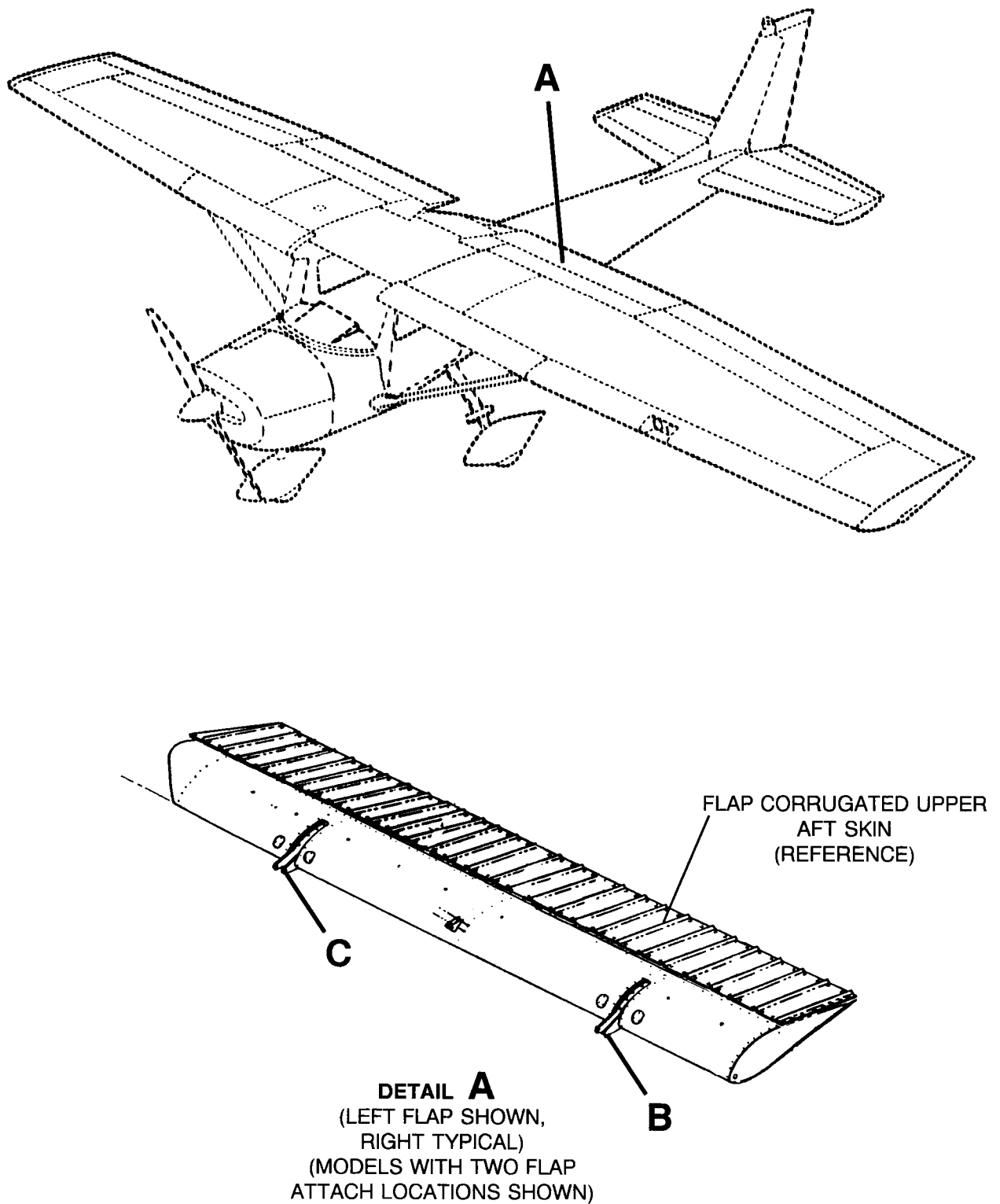


Figure 1. Flap Support Rib Assembly and Roller Bearing Replacement (Sheet 1 of 9)

# SERVICE KIT

SK180-44

**NOTE:** DO NOT INSTALL  
S1450-3S10-032 WASHERS ON  
THE AFT ROLLER ASSEMBLY

MS20470AD3-4 RIVET  
(AS REQUIRED TO SECURE  
RIB TO THE LEADING EDGE  
SKIN)

MS20470AD4-5  
RIVET  
(1 REQUIRED)

NAS1738B4-1 RIVET  
(IF REQUIRED TO SECURE  
MOST AFT TWO POSITIONS  
RIB TO THE CORRUGATED  
SKIN)

ACCESS PLATE  
(REFERENCE)

S1450-3S10-032  
WASHER  
(2 REQUIRED)  
FORWARD ROLLER  
ASSEMBLY ONLY

FLAP ROLLER  
BUSHING  
(REFERENCE)

FLAP ROLLER  
ASSEMBLY  
(REFERENCE)

MS21044N3  
NUT  
(1 REQUIRED)

0523901-14  
RIGHT FLAP  
SUPPORT  
RIB ASSEMBLY  
(1 REQUIRED)

AN3-11A  
BOLT  
(1 REQUIRED)

0523901-13 LEFT  
FLAP SUPPORT  
RIB ASSEMBLY  
(1 REQUIRED)

AFT ROLLER  
ATTACH BOLT  
REFER TO STEP 22.  
(REFERENCE)

MS20470AD3-4  
RIVET  
(AS REQUIRED TO  
SECURE THE SKIN TO  
THE FLAP STRUCTURE)

FLAP SPAR  
(REFERENCE)

**DETAIL B**  
(OUTBOARD ATTACH POSITION)

Figure 1. Flap Support Rib Assembly and Roller Bearing Replacement (Sheet 2)

# SERVICE KIT

SK180-44

**NOTE:**

DO NOT INSTALL  
S1450-3S10-032 WASHERS ON  
THE AFT ROLLER ASSEMBLY

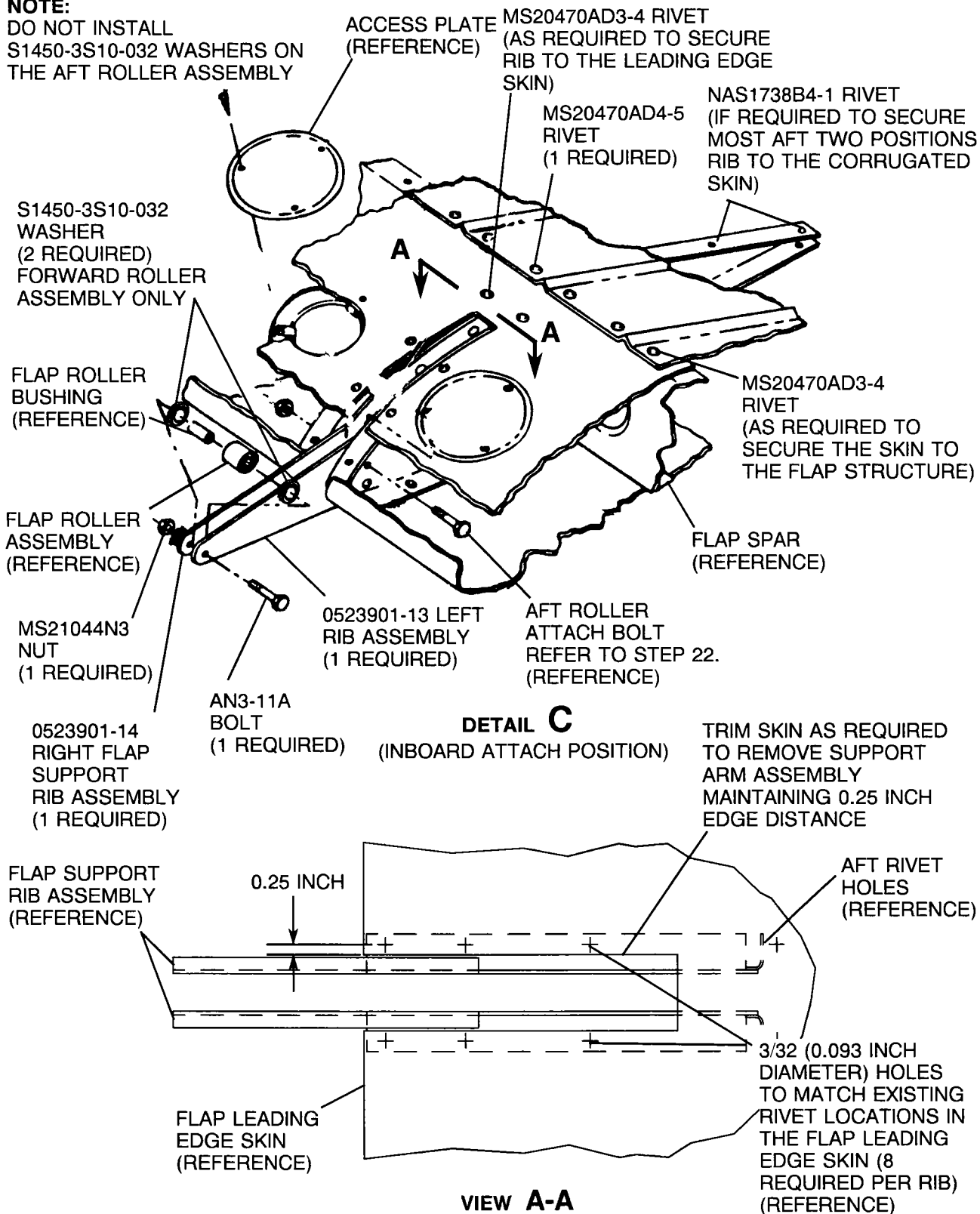
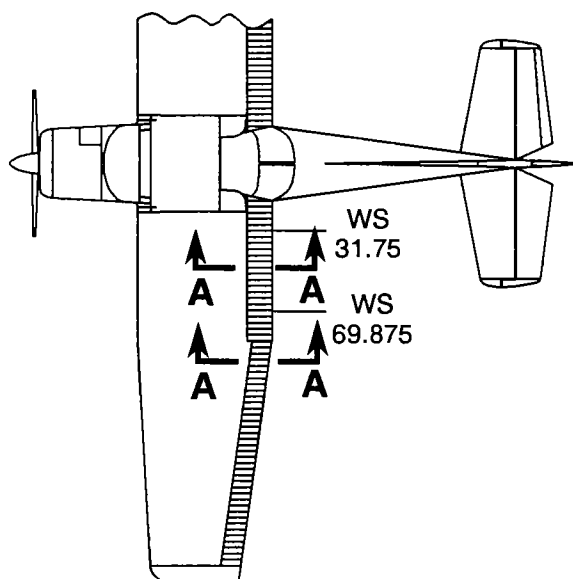


Figure 1. Flap Support Rib Assembly and Roller Bearing Replacement (Sheet 3)

# SERVICE KIT

SK180-44



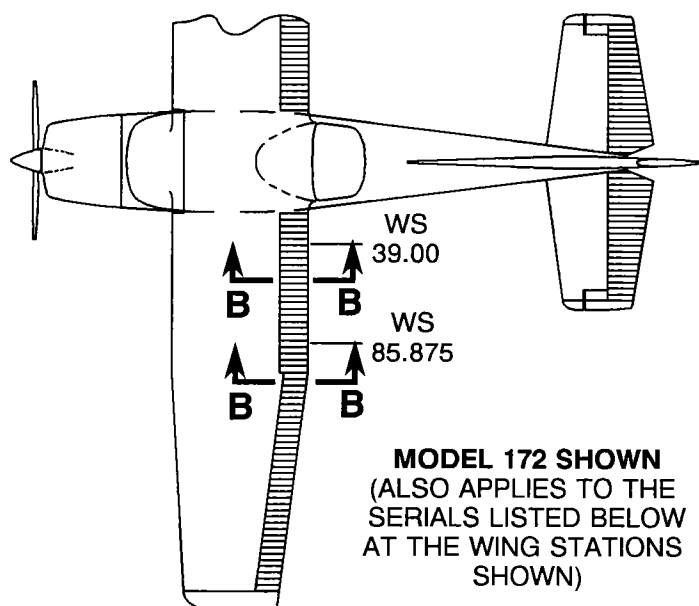
**MODEL 152 SHOWN**  
(ALSO APPLIES TO THE  
SERIALS LISTED BELOW  
AT THE WING STATIONS  
SHOWN)

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| 150    | 617, 628, 644, 649, 17001 Thru 15064969,<br>15064971 Thru 15079405 |
| A150   | A1500001 Thru A1500432                                             |
| A150   | A1500434 Thru A1500734, 15064970                                   |
| A-150  | A-1501001 Thru A-1501039                                           |
| A-A150 | A-A15000001 Thru A-A1500009                                        |
| F150   | F150-0001 Thru F15001428                                           |
| FA150  | FA1500001 Thru FA1500120                                           |
| FRA150 | FRA1500121 Thru FRA1500336                                         |
| 152    | 15279406 Thru 15286033                                             |
| A152   | 681, A1520735 Thru A1521049, A1500433                              |
| F152   | F15201429 Thru F15201980                                           |
| FA152  | FA1520337 Thru FA1520425                                           |

Figure 1. Flap Support Rib Assembly and Roller Bearing Replacement (Sheet 4)

# SERVICE KIT

SK180-44

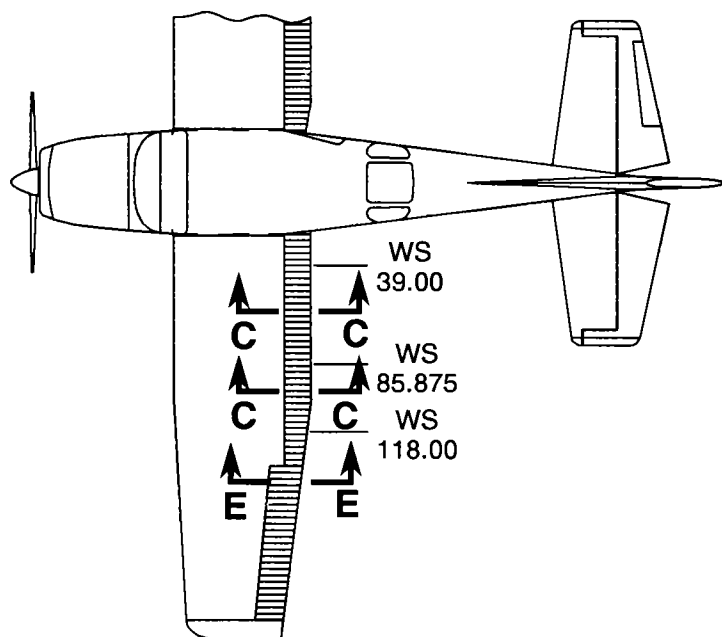


|                    |                                                                |                  |                                                                                    |
|--------------------|----------------------------------------------------------------|------------------|------------------------------------------------------------------------------------|
| 170                | 609, 19401, 20267 Thru 27169                                   | R182/<br>TR182   | R18200001 Thru R18202039                                                           |
| 172                | 610, 612, 615, 622, 625, 630, 638,<br>639, 28000 Thru 17276654 | A182             | A182-0001 Thru A182-0148                                                           |
| F172               | F172-0001 Thru F17202254                                       | F182             | F18200001 Thru F18200169                                                           |
| P172               | P17257120 Thru P17257188                                       | FR182            | FR18200001 Thru FR18200070                                                         |
| R172<br>(T41B/C/D) | R172-0001 Thru R172-0409                                       | 185              | 632, 652, 185-0001 Thru 18504448                                                   |
| R172<br>(T41D)     | R1720410 Thru R1720620                                         | 188/A188         | 653, 188-0001 Thru 188-0572                                                        |
|                    |                                                                | 188/A188         | 18800573 Thru 18800832                                                             |
|                    |                                                                | 188              | 18800833 Thru 18802348                                                             |
|                    |                                                                | A188             | 678T, 18800833 Thru 18803973                                                       |
| R172               | R1722000 Thru R1723454,<br>P17257189                           | A188             | 18800967T Thru 18803973T                                                           |
|                    |                                                                | T188             | T18803307T Thru T18803974T                                                         |
| 172RG              | 691, 172RG0001 Thru 172RG1191                                  | A-A188           | A-A1880001 Thru A-A1880034                                                         |
| FP172              | FP172-0001 Thru FP172-0003                                     | 210-5 (205)      | 641, 205-0001 Thru 205-0480                                                        |
| FR172              | FR17200001 Thru FR17200675                                     | 210-5A<br>(205A) | 205-0481 Thru 205-0577                                                             |
| 175                | 28700A, 55001 Thru 17557119, 619                               | U206 /<br>TU206  | U20601569 Thru U20607020                                                           |
| 180                | 604, 614, 624, 645,<br>30000 Thru 18053203                     | 207/<br>T207     | 20700191 Thru 20700788                                                             |
| 182/<br>T182       | 613, 631, 634, 675,<br>33000 Thru 18268586                     | 210              | 616, 618, 57001 Thru 57575 and<br>21057576 Thru 21058139<br>21058141 Thru 21058220 |

Figure 1. Flap Support Rib Assembly and Roller Bearing Replacement (Sheet 5)

# SERVICE KIT

SK180-44



**MODEL 206 SHOWN**  
(ALSO APPLIES TO THE  
SERIALS LISTED BELOW  
AT THE WING STATIONS  
SHOWN)

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| 206/U206        | 206-0001 Thru 206-0275                                        |
| U206 /<br>TU206 | 676, U206-0276 Thru U206-1444 and<br>U20601445 Thru U20601568 |
| P206 /<br>TP206 | P206-0001 Thru P206-0603 and<br>P20600604 Thru P20600647      |
| 207 /<br>T207   | 20700001 Thru 20700190                                        |

## AIRPLANES WITH EXTENDED FLAPS

Figure 1. Flap Support Rib Assembly and Roller Bearing Replacement (Sheet 6)

# SERVICE KIT

SK180-44

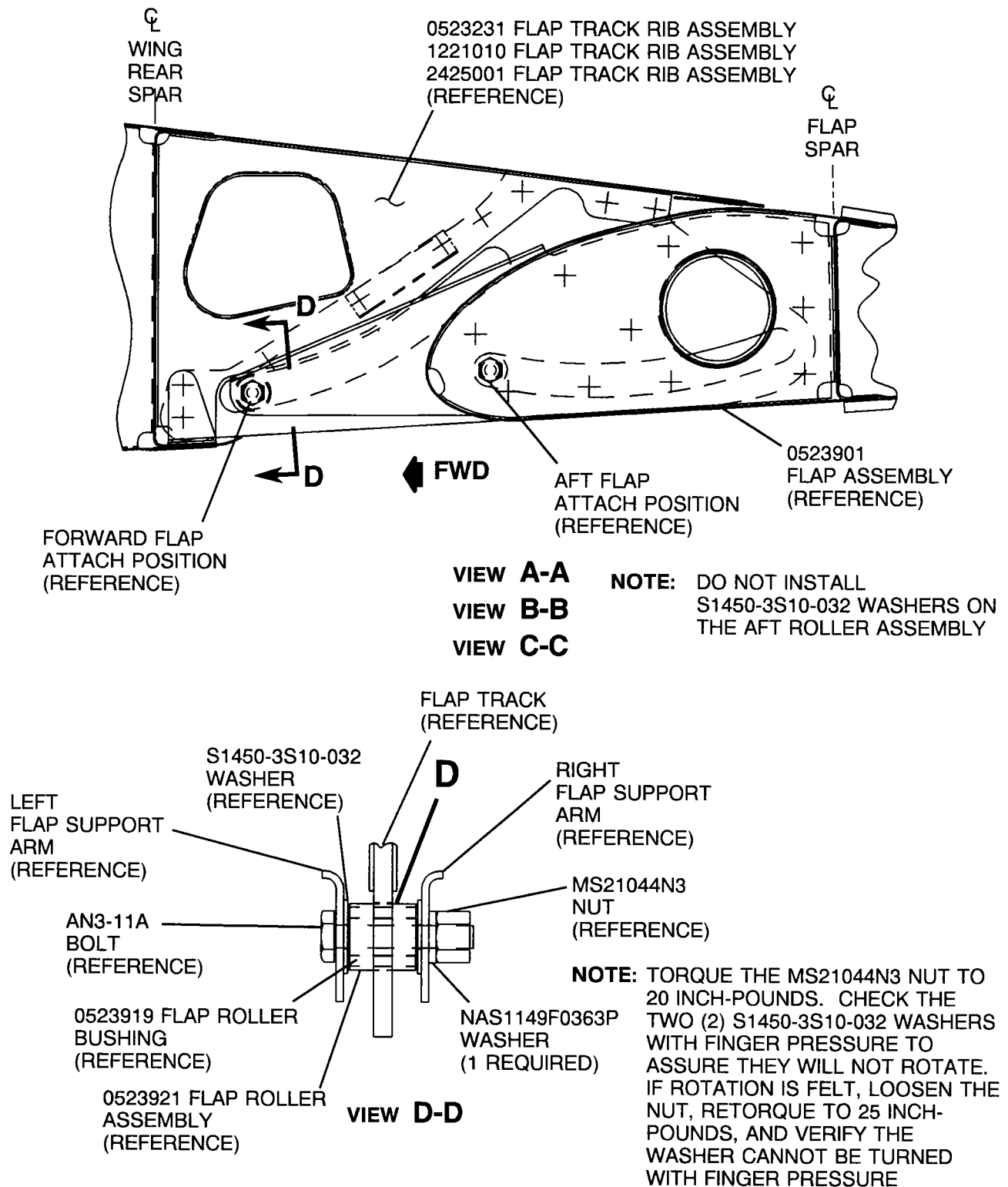
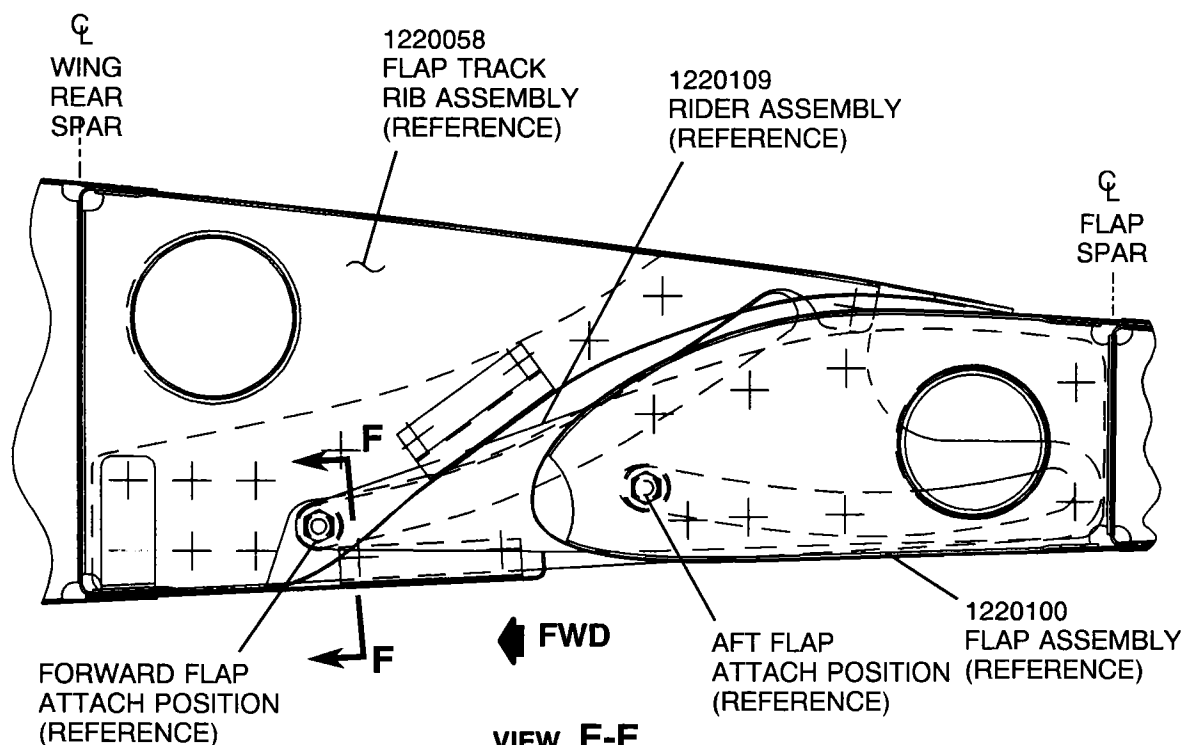


Figure 1. Flap Support Rib Assembly and Roller Bearing Replacement (Sheet 7)

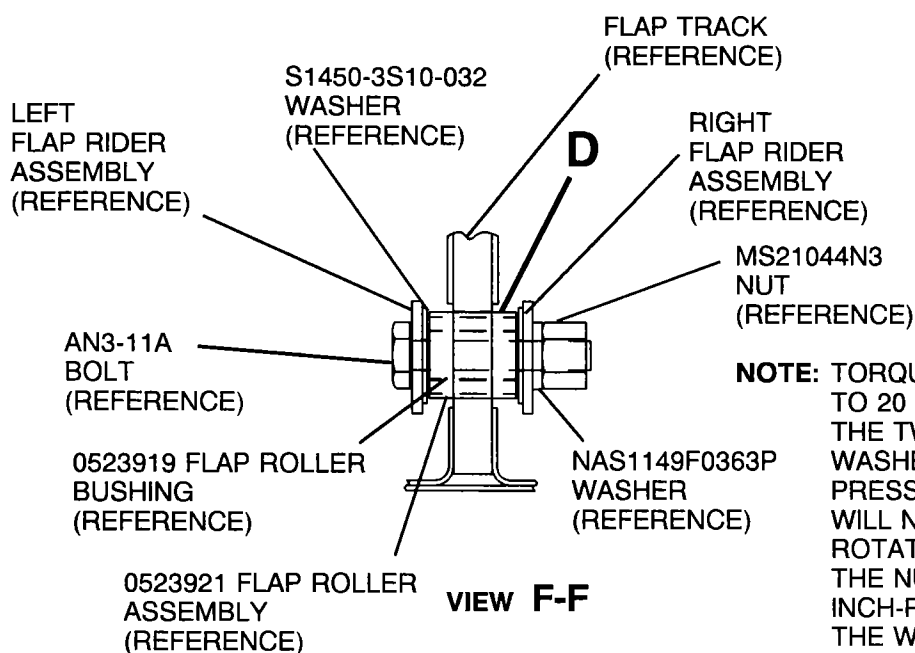
# SERVICE KIT

SK180-44



**VIEW E-E**  
AIRPLANES WITH  
EXTENDED FLAPS

**NOTE:** DO NOT INSTALL  
S1450-3S10-032 WASHERS ON  
THE AFT ROLLER ASSEMBLY



**VIEW F-F**

**NOTE:** TORQUE THE MS21044N3 NUT  
TO 20 INCH-POUNDS. CHECK  
THE TWO (2) S1450-3S10-032  
WASHERS WITH FINGER  
PRESSURE TO ASSURE THEY  
WILL NOT ROTATE. IF  
ROTATION IS FELT, LOOSEN  
THE NUT, RETORQUE TO 25  
INCH-POUNDS, AND VERIFY  
THE WASHER CANNOT BE  
TURNED WITH FINGER  
PRESSURE

Figure 1. Flap Support Rib Assembly and Roller Bearing Replacement (Sheet 8)

