

MHS/Co py

interconnecting cables

| | |
|---|--|
| DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance) | Form Approved Budget Bureau No. 04-R060.1 FOR FAA USE ONLY OFFICE IDENTIFICATION |
|---|--|

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

| | | |
|-------------|---|---|
| 1. AIRCRAFT | MAKE Piper | MODEL PA-22-150 |
| | SERIAL NO. 22-6879 | NATIONALITY AND REGISTRATION MARK N 2909 Z |
| 2. OWNER | NAME (As shown on registration certificate) Donald D. Blake | ADDRESS (As shown on registration certificate) Rt. 4 Cherokee, Iowa 51012 |

3. FOR FAA USE ONLY

| 4. UNIT IDENTIFICATION | | | | 5. TYPE | |
|------------------------|--|-------|------------|---------|------------|
| UNIT | MAKE | MODEL | SERIAL NO. | REPAIR | ALTERATION |
| AIRFRAME | ***** (As described in item 1 above) ***** | | | | XY |
| POWERPLANT | | | | | |
| PROPELLER | | | | | |
| APPLIANCE | TYPE | | | | |
| | MANUFACTURER | | | | |

| 6. CONFORMITY STATEMENT | | |
|--|--|--|
| A. AGENCY'S NAME AND ADDRESS Donald D. Blake Rt 4 Cherokee, Iowa 51012 | B. KIND OF AGENCY <input checked="" type="checkbox"/> U.S. CERTIFICATED MECHANIC <input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC <input type="checkbox"/> CERTIFICATED REPAIR STATION <input type="checkbox"/> MANUFACTURER | C. CERTIFICATE NO. A&P 2082700 |

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

| | |
|------------------------|--|
| DATE 9-25-75 | SIGNATURE OF AUTHORIZED INDIVIDUAL Donald D. Blake |
|------------------------|--|

| 7. APPROVAL FOR RETURN TO SERVICE | | | | | |
|--|--|--|-------------------------------------|--|-----------------|
| Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED | | | | | |
| BY | FAA FLT. STANDARDS INSPECTOR | MANUFACTURER | <input checked="" type="checkbox"/> | INSPECTION AUTHORIZATION | OTHER (Specify) |
| | FAA DESIGNEE | REPAIR STATION | | CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT | |
| DATE OF APPROVAL OR REJECTION 9-25-75 | CERTIFICATE OR DESIGNATION NO. 2082700 | SIGNATURE OF AUTHORIZED INDIVIDUAL Donald D. Blake | | | |

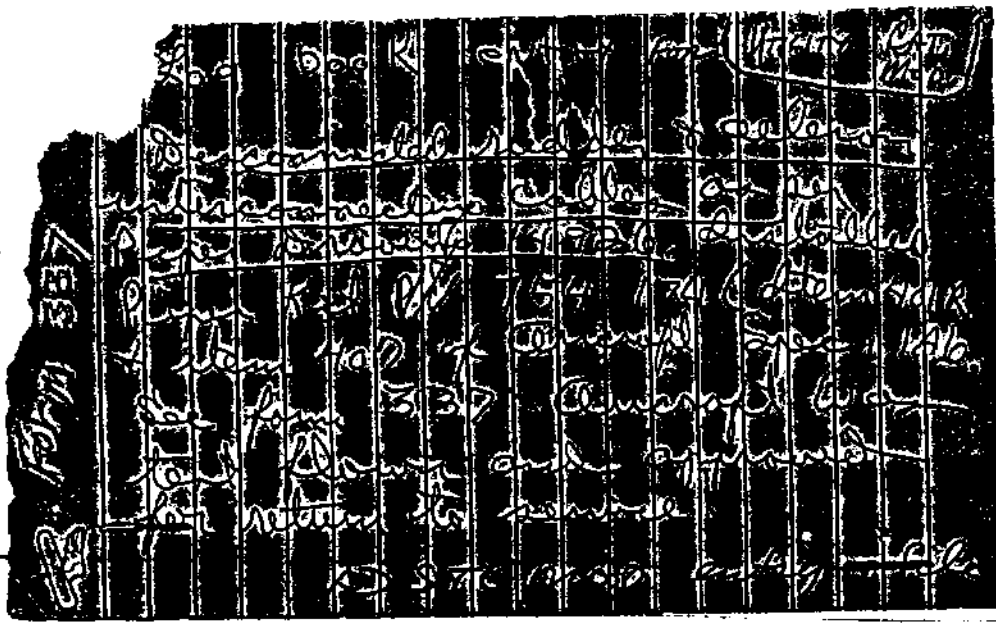
Copy

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Disconnected rudder & aileron inter-
connecting cables. Installed Piper
Kit P/N 764 174 (Item 401 r & item
407 of Aircraft Spec 1A6).
All work done in accordance to Piper
drawing 14926.
XXXXXXXXXXXX End XXXXXXXXXXXXXXXX



MADIER

KIT 754 174

Doesn't say "135" hp., -----

Rev: 5/5/67

PA-22 "150" and "160" CONVERSION FOR OPERATION IN
THE UTILITY CATEGORY

| <u>SIZE</u> | <u>PART NO.</u> | <u>QUANTITY</u> | <u>NOMENCLATURE</u> |
|-------------|--------------------|-----------------|---|
| 5 | 14926 Rev. C | 1 | Drawing - PA-22 "150" and "160" Conversion for Operation in the Utility Category |
| | | 1 | Supplement #3 to Manual 817 - PA-22 "150" |
| | | 1 | Supplement #1 to Manual 941 - PA-22 "160" |
| 2 | 14384-04 AVAILABLE | 2 | Spring - Nose wheel return |
| 3 | 14927-00 N/A | 1 | Horn Assembly - Nose wheel steering |
| 1 | 14928-00 N/A | 1 | Placard |
| 1 | 14929-03 AVAILABLE | 2 | Clamp Assembly - Nose wheel return spring |
| 1 | 14930-00 N/A | 2 | Clamp Assembly - Aileron cable attachment |
| 5 | 81262-51 B.O. | 2 | Link - Nose wheel return spring |
| | 400 438 | 2 | Bolt - AN3-4A |
| | 406 681 | 2 | Nut - 22M02 ESN |
| | 406 678 | 4 | Nut - 22M62 ESN |
| | 415 739 | 4 | Screw - 6-32 x 1/2 RHMS |
| | 419 753 | 2 | Screw - Type "A" Stove HD. #6 x 3/8 L |
| | 407 564 | 2 | Washer - AN960-10 |
| | 487 306 N/A | 2 | Spring - #120 (W. B. Jones SPRING Co. 5509 FAIRLANE DRIVE CINCINNATI, OHIO 45227 |

Kit is no longer available,
but the drawings and flight
manual supplement are available.
#3 9/3/54

MASTER

PIPER AIRCRAFT CORPORATION
LOCK HAVEN, PENNA.

REPORT.....
PAGE.....
MODEL PA-22

SUPPLEMENT NO. 3

TO

AIRPLANE FLIGHT MANUAL DATED SEPTEMBER 3, 1954

THIS DOCUMENT MUST BE ATTACHED TO THE BASIC AIRPLANE FLIGHT
MANUAL AND KEPT IN THE AIRPLANE WHEN THE ITEM OF EQUIPMENT
DESIGNATED HEREINBELOW IS INSTALLED.

MODEL PA-22 "150"

CAA APPROVED
APPROVAL BASIS CAR 3 AND 410
MAY 24, 1957
UTILITY CATEGORY
1680 POUNDS GROSS WEIGHT

C.A.A. IDENTIFICATION NO. _____

INSTALLATION OF CONTROLS MODIFICATION
KIT FOR OPERATION IN UTILITY CATEGORY
PER PIPER DRAWING NO. 14926 (HARTZELL
PROPELLER INSTALLATION NOT ELIGIBLE)

AIRPLANE FLIGHT MANUAL SUPPLEMENT

1. LIMITATIONS

Airspeed Limits
(True Ind. Airspeed)

| | Utility Category | |
|----------------|------------------|-------------|
| Maneuvering | 112 MPH. | 97.0 Knots |
| Max. Cruising | 126 MPH. | 109.5 Knots |
| Never Exceed | 170 MPH. | 148.0 Knots |
| Flaps Extended | 95 MPH. | 82.0 Knots |

Flight Load Factors

Max. Positive 4.4
Max. Negative No Inverted Maneuvers Approved

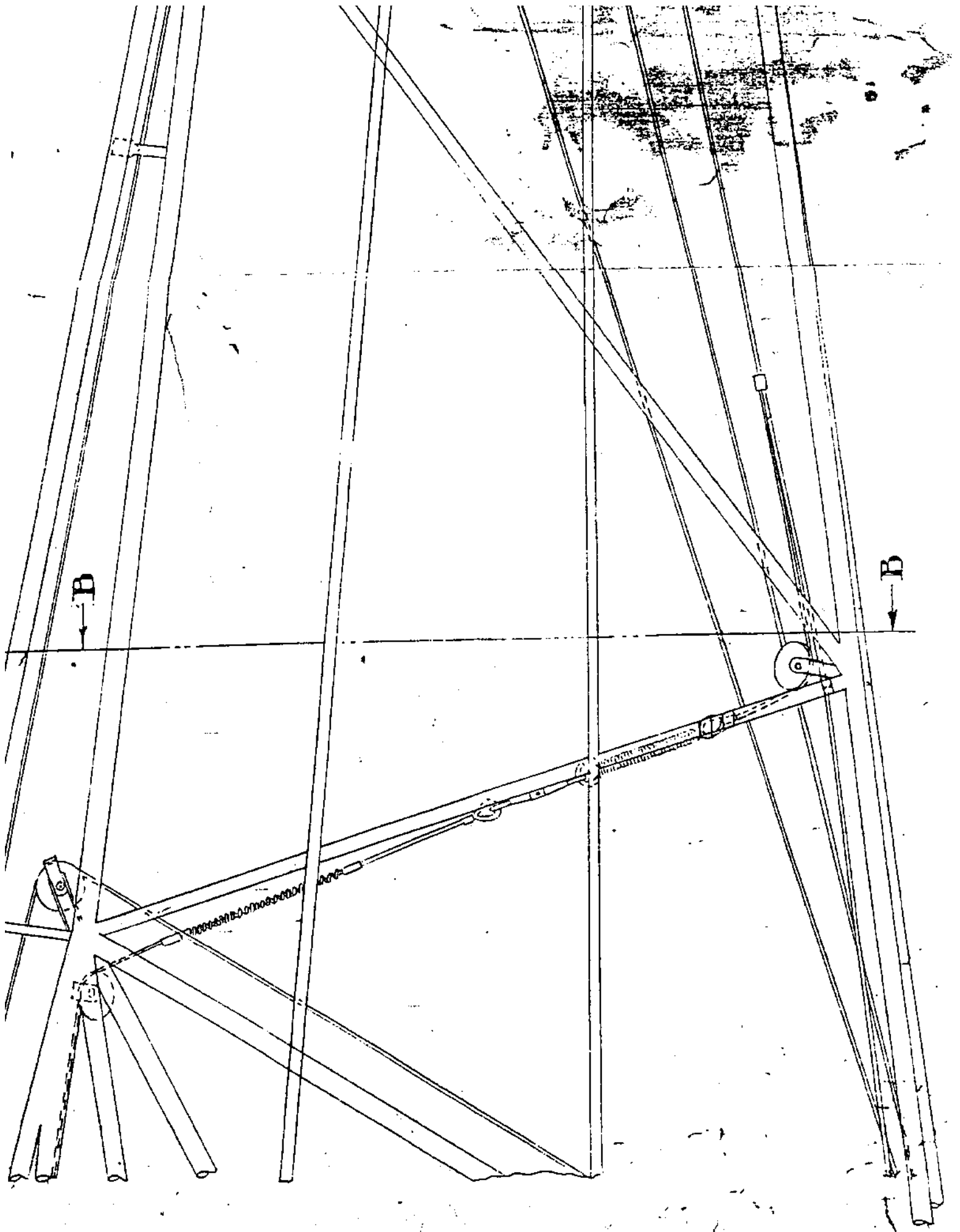
Airplane Loading

Max. Weight (Take-off and Landing).
1680 pounds
When operating in the Utility Cat-
egory the two front seats only may
be occupied and the auxiliary fuel
tank if installed must be empty. See
Weight and Balance.

Max. Baggage

None

PREPARED.....
CHECKED.....
APPROVED.....



14926

14930
#6200 1/2 RD 110V
#22 MG 2 E. S. N.
2 REQ

AILERON CABLE

ALONG TUBE

SYM.

RUDDER CABLE

FUSELAGE

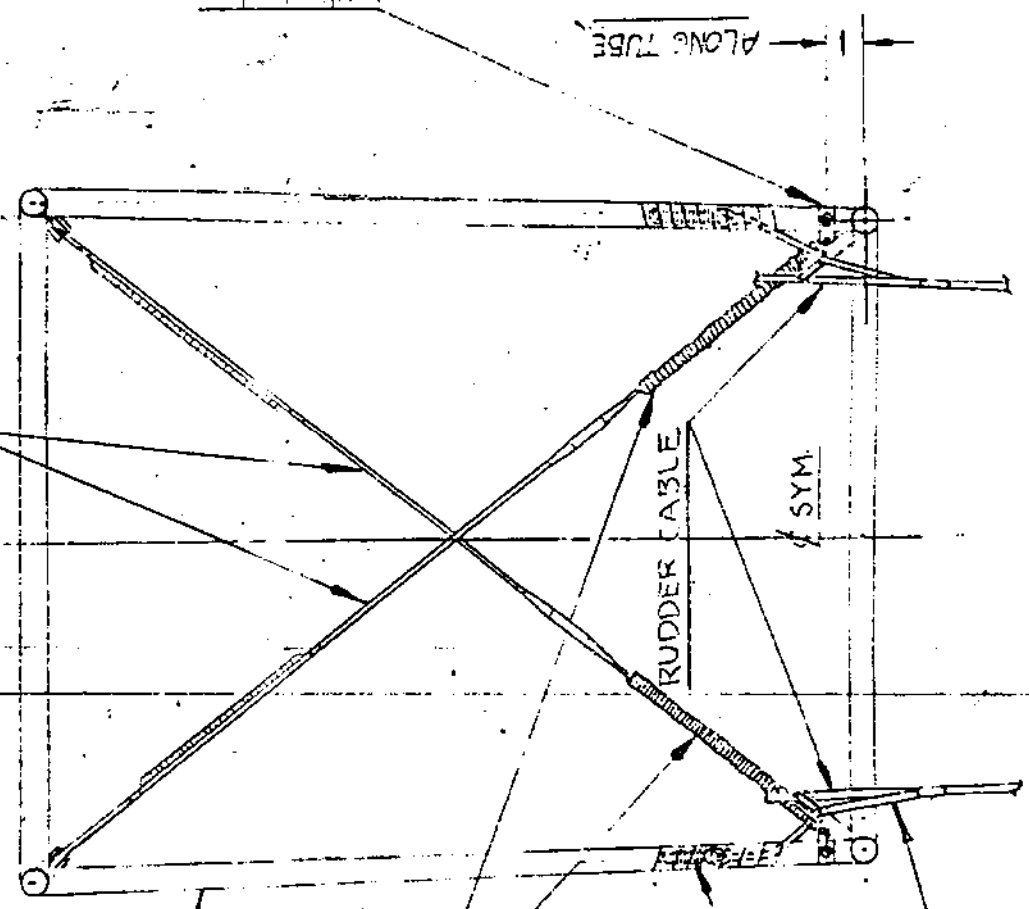
SPRING #120 (PURCH)

WING CABLE FROM TURNBUCKLE

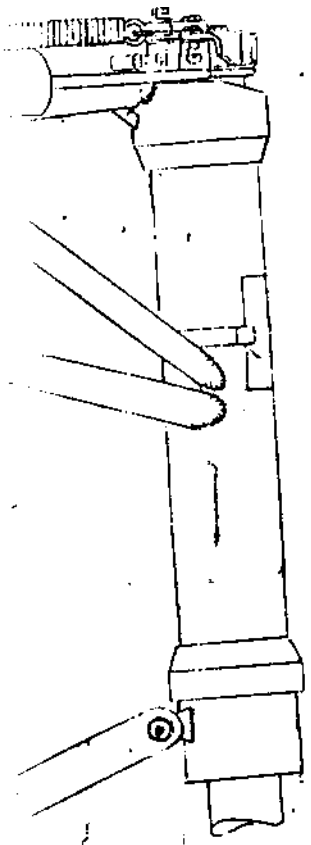
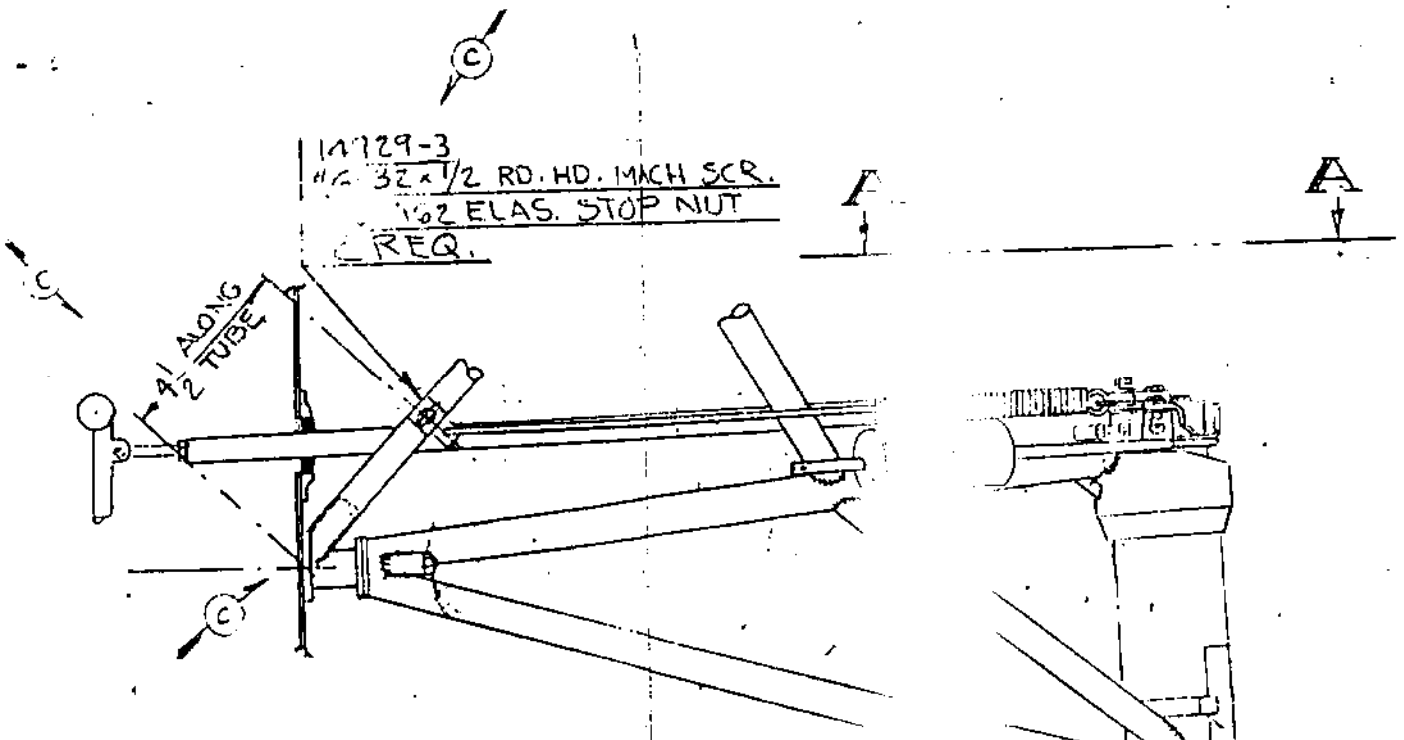
E AND SECURE TO FUSELAGE

PLASTIC TAPE AS SHOWN

ALLOW SLACK AT THIS POINT



14729-3
#6 3/2 x 1/2 RD. HD. MACH SCR.
1/2 ELAS. STOP NUT
REQ.



NOSE WHEEL SPRING ASST

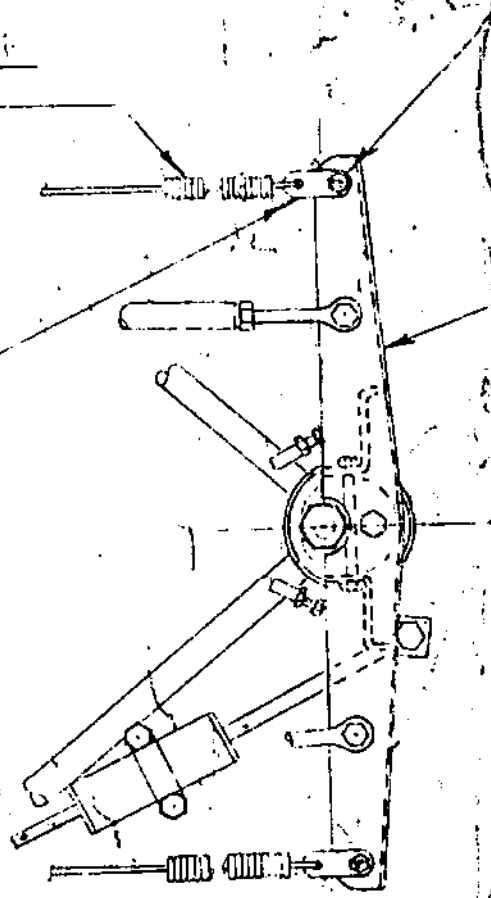
3

14384-1
2 REQ.

AN3-4A
AN360-10 (UNDER NUT)
#22102 E.S.N.
2 REQ.

51262-51
2 REQ.

14927



VIEW A-A
HORN INSTALLATION