

REVISION	LEVEL	DATE
ADDITIONAL NOTES		
TOLERANCE CHANGE		
MINOR HOLE CHANGE	A	1-12-86
BOLT LENGTH CHANGE	B	12-1-86

NOTE:
SLIGHT GAP
NORMAL (A)

AN5-15A
AN960-516
MS24042L5 OR EQUIVALENT
(6 PLCS)
BOLT DIRECTION OPTIONAL (A)

AN7-31A (B)
AN960-716
MS20363-720C OR 365-720C

0713495-7 (REF)
OR -8

PSK-1101-1

0713495-6 (REF)

END OF GEAR LEG (REF)

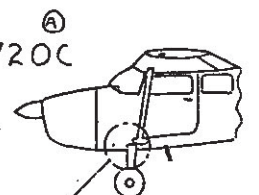
UP

DETAIL A

EWD

VIEW LKG INBD

(LH SHOWN - RH OPP)



DETAIL A

SEE SHT 2 FOR INSTL INSTRUCTIONS

P. PONK AVIATION		
DWNTCRB	APPROVED:	SCALE: NONE
DATE: 3/22/85	St. L. Knapp	REVISION: B
INSTL - GEAR MOD		
PSK-1100		SHT 1 OF 2

INSTALLATION INSTRUCTIONS FOR THE PSK1101-1 PART

*** IMPORTANT: READ INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING INSTALLATION. NOTE ALL CAUTIONS.

OBJECTIVE:

THE PSK1101-1 PART WILL BE ATTACHED TO THE INBOARD LANDING GEAR SUPPORT BRACKET (PN0713495-7 AND 0713495-8) OVER TOP OF THE MAIN LANDING GEAR SPRING. THIS WILL BE ACCOMPLISHED BY INSTALLATION OF A LONGER MAIN LANDING GEAR ATTACH BOLT, AND ADDITION OF (6) HOLES WITH (6) AN5-15A BOLTS AND ATTACHING HARDWARE ON EACH LANDING GEAR SUPPORT BRACKET.

PROCEDURE:

01. REMOVE FRONT SEATS AND CARPETING.
02. REMOVE FLOOR BOARD ACCESS COVERS OVER THE INBOARD MAIN LANDING GEAR SUPPORT BRACKET.
03. HOIST OR JACK THE AIRCRAFT IN ACCORDANCE WITH THE 100 SERIES SERVICE MANUAL, OR THE CESSNA SERVICE MANUAL PERTAINING TO YOUR AIRCRAFT. CAUTION: DO NOT JACK ON THE LANDING GEAR LEG. USE OPTIONAL LIFTING EYES, OR HOIST BY MEANS OF SUITABLE SLINGS, AS PER THE SERVICE MANUAL. NOTE: WE RECOMMEND LIFTING AIRCRAFT AND COMPLETION OF THE PART INSTALLATION ON ONE SIDE PRIOR TO INITIATION OF WORK ON THE OTHER SIDE.
04. REMOVE THE MAIN LANDING GEAR ATTACH BOLT (AN7-20A) WHICH PASSES THROUGH A HOLE IN THE END OF THE MAIN LANDING GEAR SPRING. CAUTION: BEFORE REMOVING BOLT, MAKE SURE THE AIRCRAFT IS FULLY SUPPORTED OFF THE GROUND. (THE TIRE MUST BE FREE TO ROTATE.)
05. PLACE THE PSK1101-1 PART OVER THE TOP OF THE MAIN LANDING GEAR SPRING WITH ARROWS POINTING DOWN, AND OUTBOARD, FOLLOWING THE DIRECTIONS PRINTED ON THE PART.
06. INSTALL THE AN7-31A MAIN LANDING GEAR ATTACH BOLT THROUGH THE FOLLOWING PARTS:
 - A. THE PSK1101-1 PART.
 - B. THE HOLE IN THE END OF THE MAIN LANDING GEAR SPRING.
 - C. THE ORIGINAL LANDING GEAR ATTACH ANGLE PN 0713495-6.
 INSTALL WASHER (OR WASHERS, AS NEEDED) AND ORIGINAL NUT (PN MS20365-720C) REMOVED IN STEP 4. (A NEW NUT WILL BE USED IN THE FINAL INSTALLATION.) TIGHTEN NUT TO 100 INCH POUNDS OR 9 FOOT POUNDS. CAUTION: DO NOT OVER TIGHTEN. THIS IS NOT THE FINAL INSTALLATION.

07. A DRILL BUSHING IS PROVIDED WITH THE KIT. INSERT DRILL BUSHING IN THE PSK1101-1 PART. USING A 90 DEGREE DRILL MOTOR AND A #10 DRILL BIT, DRILL ALL HOLES THAT YOU CAN WITHOUT MISALIGNMENT. THE REST OF THE HOLES WILL BE DRILLED IN STEP 8. (ON SOME MODELS IT IS POSSIBLE TO DRILL ALL HOLES AT THIS TIME.)
08. REMOVE THE NUT, BOLT AND PSK1101-1 PART PREVIOUSLY INSTALLED IN STEP 6. ENLARGE THE HOLES DRILLED IN STEP 7 BY REDRILLING UP TO 5/16". IF YOU WERE UNABLE TO DRILL ALL HOLES IN STEP 7, REMOVE THE LANDING GEAR AT THIS TIME, AND PROCEED TO STEP 9. IF YOU DRILLED ALL THE HOLES IN STEP 7, AND HAVE REDRILLED THEM UP TO 5/16", PROCEED TO STEP 11.
09. PLACE THE PSK1101-1 PART IN POSITION WITHOUT THE MAIN LANDING GEAR. TEMPORARILY INSERT AT LEAST (2) AN5-15A BOLTS IN HOLES PREVIOUSLY DRILLED AND ENLARGED. (THE AN7-31A LONG BOLT MAY BE USED TO AID ALIGNMENT.) DRILL THE REMAINING HOLES USING THE 90 DEGREE DRILL MOTOR, NUMBER 10 DRILL BIT, AND DRILL BUSHING, AS INSTRUCTED IN STEP 7.
10. REMOVE THE PSK1101-1 PART, AND ENLARGE THE HOLES (DRILLED IN STEP 9) BY REDRILLING UP TO 5/16".
11. WITH THE LANDING GEAR INSTALLED, POSITION THE PSK1101-1 PART OVER THE TOP OF THE LANDING GEAR, AND INSTALL AS PER DRAWING, USING THE AN7-31A BOLT, (6) AN5-15A BOLTS AND ASSORTED HARDWARE PROVIDED. INSTALL ALL BOLTS AND NUTS FINGER TIGHT. SHUG THE AN7-31A BOLT FIRST. TIGHTEN AND TORQUE THE AN5-15A BOLTS. TORQUE THE AN7-31A BOLT UP TO CESSNA SPECIFICATIONS AS PER CESSNA SERVICE MANUAL. A 1" ACCESS HOLE MAY BE CUT IN THE FLOORBOARD, INBOARD OF THE ATTACH CASTING, FOR EASE OF INSTALLING THE NUTS. PLUG ACCESS HOLE WITH A 1" #612 WILKIE BUTTON.
12. REPEAT STEPS 1 THROUGH 11 ON THE OPPOSITE SIDE OF AIRCRAFT.
13. (OMITTED)
14. MAKE APPROPRIATE LOG BOOK AND 337 ENTRIES. AMEND WEIGHT AND BALANCE. THE TOTAL ADDITIONAL WEIGHT IS 2.16 POUNDS AT STATION +23.5.

(SEE ALSO
"NOTES"
04-06-94
FOR ITEM
11.)

P. PONK AVIATION		
SCALE: NONE	APPROVED BY: <i>[Signature]</i>	DRAWN BY SLK
DATE: 3/22/85		REVISED 8/12/1/86
INSTL- GEAR MOD		
PSK-1100		DRAWING NUMBER SHT 20F2