

ACCESSORY KIT NO. AK-117B  
 (Supersedes Accessory Kit No. AK-117A  
 dated July 15, 1971)

DATE: December 17, 1974  
 TITLE: TURN COORDINATOR ACCESSORY KIT  
 MODELS AFFECTED: All Model AA-1, AA-1A, AA-1B and AA-5  
 WEIGHT AND BALANCE CHANGE:  
 Weight Increase: 1.94 lbs.  
 Arm: 68.00 in.

Parts List - Accessory Kit No. AK-117B-1 (All Model AA-1 and AA-1A)

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1	4245-8	Turn Coordinator (General Design)
1	TC100 (12) Alternate	Turn Coordinator (Brittain Ind.)
1	RCA80A-9 (Alternate)	Turn Coordinator (R.C. Allen)
4	MS35214-29	Screw
4	A8944-632-24J	Nut
1	AGC-2	Fuse
1	HKP	Fuse Holder
1	804009-701	Plug Ass'y

Parts List - Accessory Kit No. AK-117B-2 (All Model AA-1B and AA-5)

Note: This kit includes all parts listed in AK-117B-2, except, the HKP Fuse Holder and AGC-2 Fuse.

1	HKP	Fuse Holder (Delete)
1	AGC-2	Fuse (Delete)

Description of Installation

1. Installation of turn coordinator and related hardware. (All wiring is factory installed in aircraft and capped.)
2. Estimated time to accomplish this installation is 1.0 man hours.

Installation Instructions (Refer to Figure 1)

1. On Model AA-1 and AA-1A aircraft, cut hole for fuse holder under T & B and HMTR marked on lower right instrument panel. Insert fuse holder and solder to buss bar.

Notes: 1. Disregard if hourmeter is installed.

2. On aircraft serial no. AA1-0180 thru AA1-0459, it is necessary to remove the two screws and buss bar cover from lower flange of instrument panel.

NOTE: Revision "B" incorporates Model AA-1B and AA-5; MS35214-29 Screw was AN515B6R-12; 804009-701 Plug Ass'y was MS3106A-10SL-3S.

3. On the Model AA-1A, it will be necessary to remove the righthand air vent box to gain access to the buss bar.
  4. On Model AA-1B and AA-5 aircraft, the fuse holder and fuse are installed as standard equipment. On AA1B-0238 and up, and AA5-0406 and up, remove the "NOT USED" placard.
2. On Model AA-1 and AA-1A aircraft, solder the IFAl wire (capped) to the fuse holder; wrap with electrical tape and insert fuse.  
Notes: 1. On aircraft serial no. AAl-0180 thru AAl-0459, install the buss bar cover and secure with the two screws.  
2. On Model AA-1A, install the righthand air vent box.
3. Cut out appropriate hole in royalite instrument panel and drill four (4) .147 holes for mounting hardware. (Feel cut-out behind panel for proper location.)
  4. Install turn coordinator with hardware supplied with this kit.
  5. Remove dead-end-cap from instrument end of IFAl (51FAl on Model AA-1B and AA-5) and connect to AW-542 splice (pin "A" of 804009-701 Plug Assembly.)
  6. Remove dead-end-cap from instrument end of IFA2 (51FA2 on Model AA-1B and AA-5) and connect to AW-542 splice (pin "B" of 804009-701 Plug Assembly.)
  7. Turn on master switch and check instrument operation.

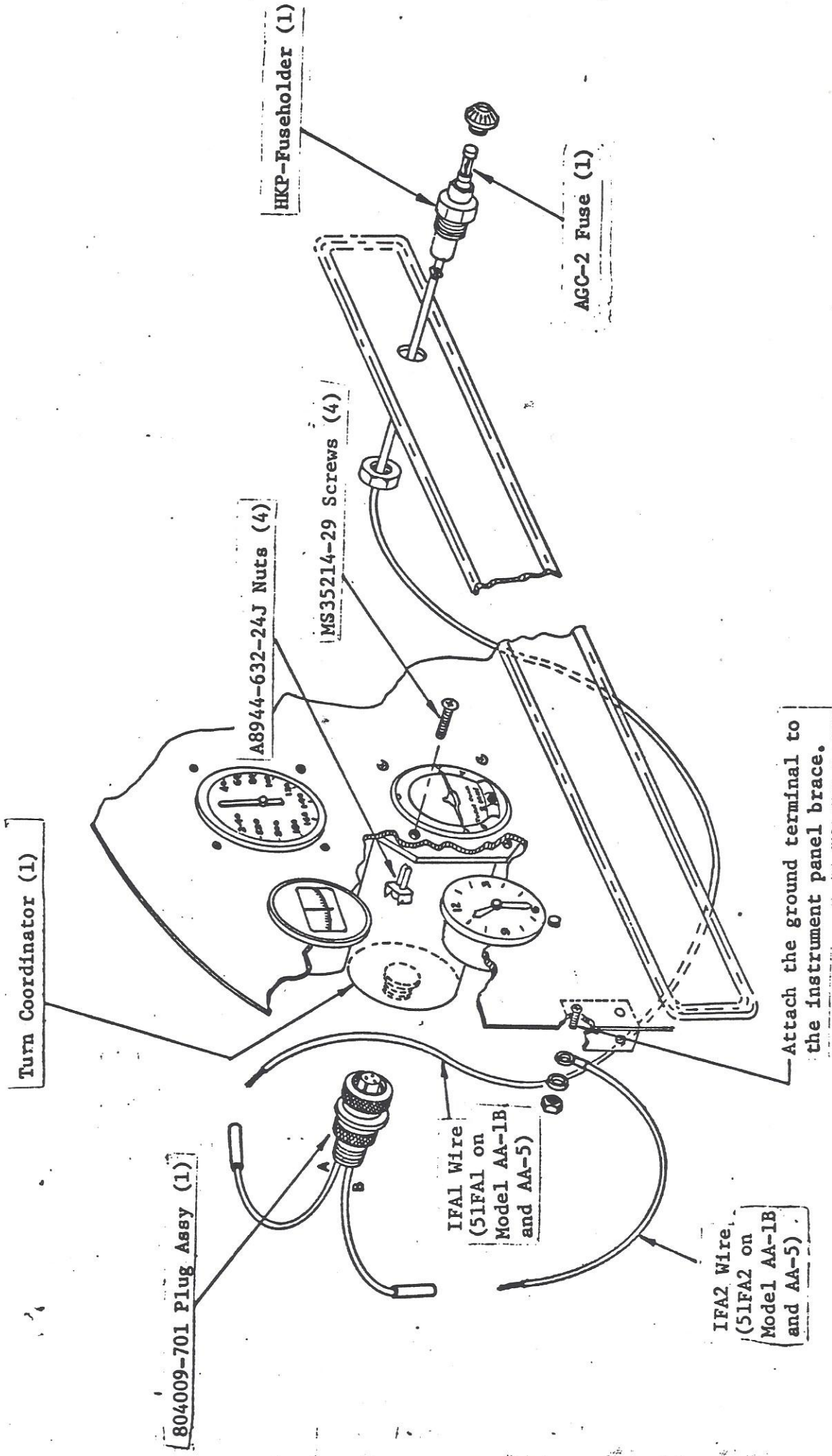


Figure 1, Turn Coordinator Installation