

LET GO!

Stop Cable Tug of War

NO! YOU LET GO!

THE ANTENNA CABLE ON THE CHINOOK'S AN/ARC-186 RADIO IS A **SHORT ONE.**

THERE'S ONLY ONE GOOD WAY TO STOP THAT TUG OF WAR, AIRCRAFT REPAIRMEN!

When you remove the radio for maintenance or to work on other components, the pulling and tugging can strain and break the cable's shielding.

Pull and check cable connectors for proper installation

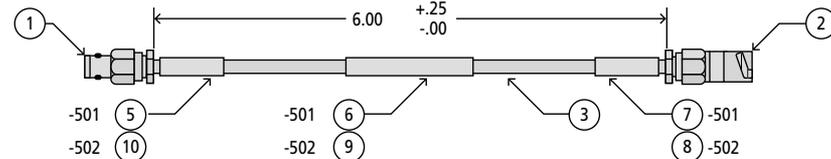
If that happens, you may lose communication, plus exposed wires will let radio frequencies interfere with the wire bundles for the automatic flight control system (AFCS).

That could mean uncommanded movements in the aft end of the aircraft during flight or on the ground during runups.

I T-T-TOLD YOU THIS C-C-COULD HAP-PEN!

SO GET YOUR AVIONICS SHOP TO MAKE A 6-INCH EXTENDER WITH MATCHING **MALE AND FEMALE CONNECTORS.**

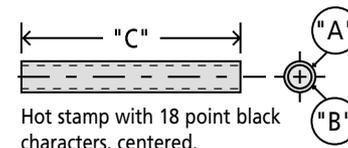
Qty/amt recd		Parts List				
502	501	Ref/find	Cage code	Part number	Description	NSN
1	-	10	20309	95298737-6	Identifier sleeve	N / A
1	-	9	20309	95298737-5	Identifier sleeve	N / A
1	-	8	20309	95298737-4	Identifier sleeve	N/A
-	1	7	20309	95298737-3	Identifier sleeve	N/A
-	1	6	20309	95298737-2	Identifier sleeve	N / A
-	1	5	20309	95298737-1	Identifier sleeve	N/A
3"	3"	4	81349	M23053/5\106-0	Sleeve, insulation	5970-00-814-2878
7"	7"	3	81349	M17/111-RG303	Cable, RF	6145-00-080-6517
1	1	2	80058	UG-1366/ U	Connector, RF	5935-00-259-4018
1	1	1	80058	UG-1415/ U	Connector, RF	5935-01-049-9867



While you're checking out the cable, check the following items that can also interfere with radio communication.

- ✓ Make sure the antenna cable connector plug body locks onto the radio AM jack J4. The pulling and tugging can loosen the connector.
- ✓ Make sure the connector is installed properly on the cable. Otherwise it won't mate properly with the receiver jack's contact.
- ✓ Make sure the connector's nuts are torqued to 9 to 11 in-lbs. Hand tight won't do.

Dash No.	Ident "A"	Ident "B"	"C"	ITEM
-1	TO	182P3	.75"	4
-2	20309ASSY	95298737 - 501	1.5"	4
-3	ARC - 186	J3	.75"	4
-4	ARC - 186	J4	.75"	4
-5	20309ASSY	95298737 - 502	1.5"	4
-6	TO	182P4	.75"	4



Hot stamp with 18 point black characters, centered.

GET YOUR AVIONICS SHOP TO FIX BROKEN CONNECTORS WITH THESE INSTRUCTIONS.



THEY'RE FROM FM 11-487-2/1A, STANDARD INSTALLATION PRACTICES: RF CONNECTORS AND CABLES.

1. Disassemble connector and lay out parts as shown.



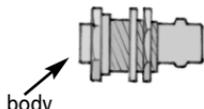
nut



clamp



contact



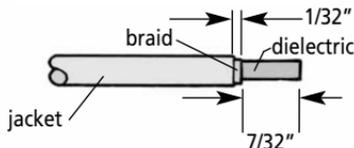
body

jack

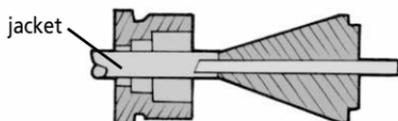


plug

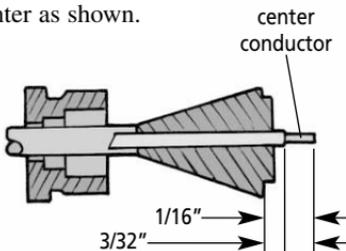
2. Cut cable off square on end. Do not deform. Cut jacket and braid to dimension shown. Do not nick dielectric.



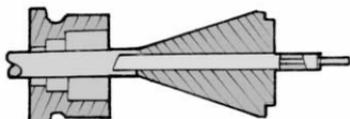
3. Slide nut over jacket and push back out of way. Slide clamp over dielectric under braid. Push firmly until clamp is flush with braid.



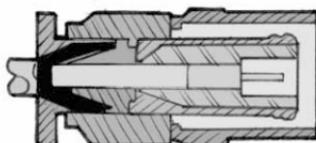
4. Trim dielectric and center as shown.



5. Solder contact on center conductor. Remove excess solder. Do not overheat.



6. Insert cable assembly into connector (either jack or plug). Push firmly into place. After nut is started, tighten with torque wrench 9 to 11 in-lbs.



NOTE: All dimensions are in inches.