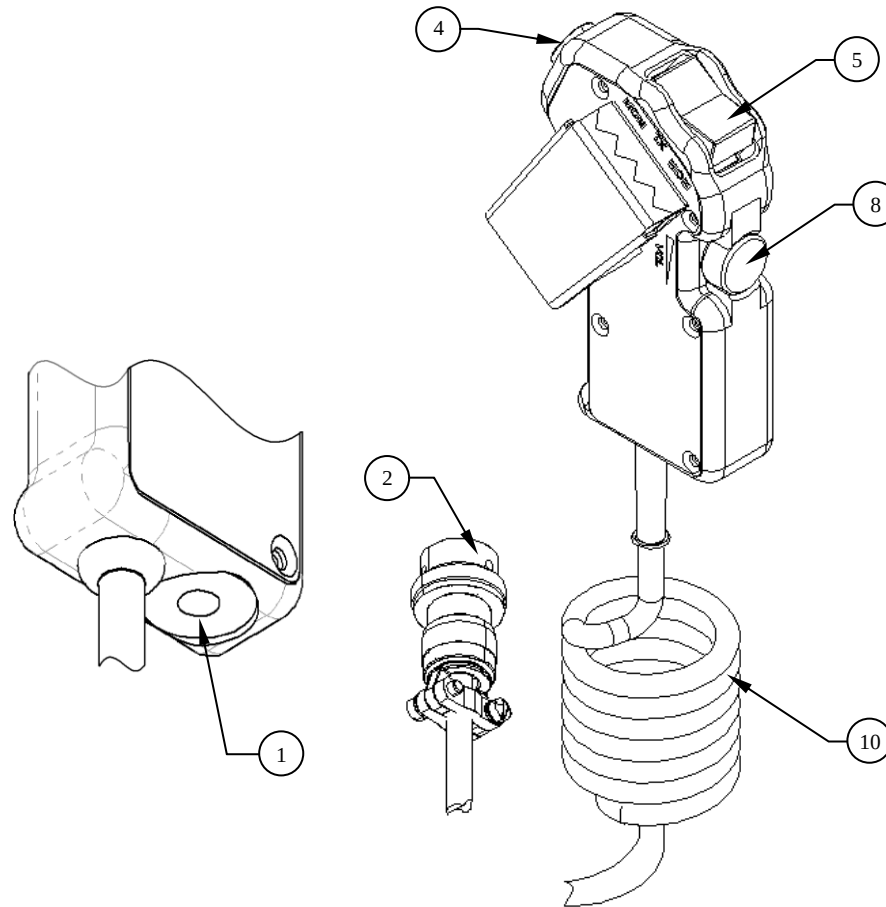
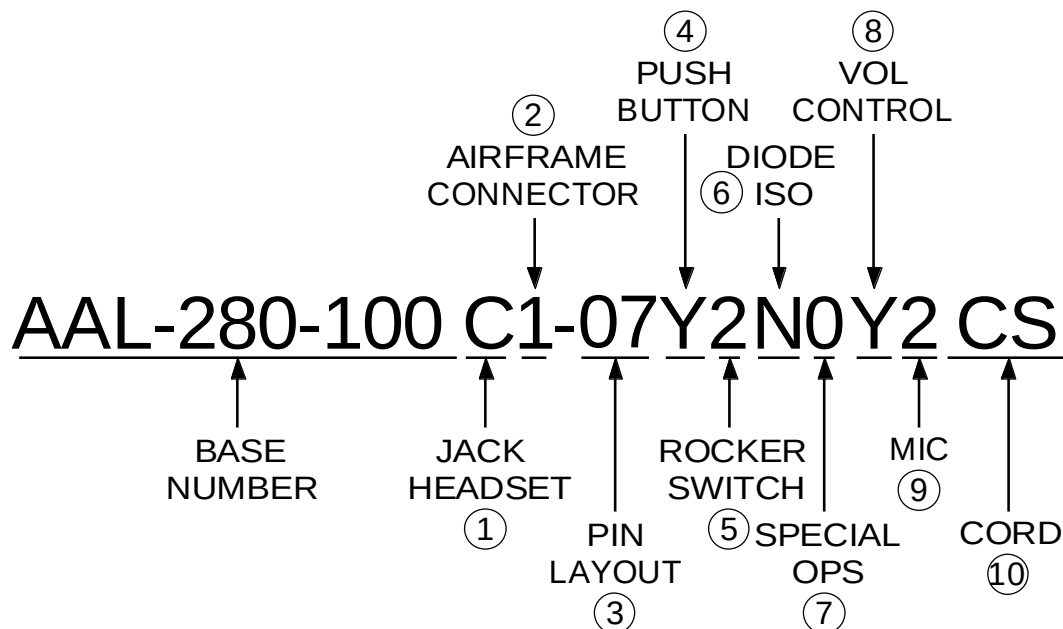


AAL DROP CORD, ASSY PART NUMBER SPEC



SOME ITEMS REMOVED FOR CLARITY
SOME ITEMS NOT SHOWN



1) JACK HEADSET:

C – CIVILIAN HELICOPTER JACK (TJT-120 or equivalent)
 B – BOSE JACK, 6 PIN LEMO CONNECTOR
 L – LEMO JACK, 7 PIN LEMO CONNECTOR
 S – STANDARD FIXED WING JACK
 M – MILITARY JACK (TJT-108)
 E – EURO NATO JACK
 N - NONE

2) AIRFRAME CONNECTOR:

1 – 6 PIN CONNECTOR (MS3476L10-6P)
 2 – 6 SOCKET CONNECTOR (MS3476L10-6S)
 3 – 10 PIN CONNECTOR (MS3476L12-10P)
 4 – CIVILIAN HELICOPTER PLUG (U93A/U)
 5 – 10 PIN CONNECTOR (807-049P12)
 6 – 31 PIN CONNECTOR (D38999/26JD35PN)
 7 – 6 PIN LEMO (BOSE)

3) AIRFRAME CONNECTOR PIN LAYOUT:
CIVILIAN HELICOPTER PLUG (U93A/U)

01. – 1: MIC HI	02. – 1: 28VDC
2: PHN HI	2: GND & SHIELD
3: MIC LO & SHIELD	3: PHN HI - LH
4: PHN LO	4: PHN HI - RH
	5: MIC HI
	6: MIC LO

6 CONTACT CONNECTOR (MS3476L10-6P or -6S)

07. – A: PHN LO	09. – A: PHN LO	11. – A: PHN LO, SHIELD &
B: MIC HI	B: MIC HI	GND FOR “KEYING”
C: MIC LO, SHIELD &	C: MIC LO, SHIELD &	B: MIC HI
GND FOR “KEYING”	GND FOR “KEYING”	C: MIC LO
D: PHN HI	D: PHN HI	D: PHN HI
E: TX KEY	E: TX KEY	E: TX KEY
F: ICS KEY	F:	F: ICS KEY
	10. – A: PHN LO	
08. – A: PHN LO	B: MIC HI	12. – A: PHN LO, SHIELD &
B: MIC HI	C: MIC LO & SHIELD	GND FOR “KEYING”
C: MIC LO, SHIELD &	D: PHN HI	B: MIC HI
GND FOR “KEYING”	E:	C: MIC LO
D: PHN HI	F:	D: PHN HI
E:		E:
F: ICS KEY		F: ICS KEY

3) CONTINUED AIRFRAME CONNECTOR PIN LAYOUT:

6 CONTACT CONNECTOR (MS3476L10-6P or -6S)

13. A: MIC HI B: SHIELD C: MIC LO & GND FOR "KEYING" D: TX KEY E: PHN HI F: PHN LO	19. – A: MIC LO B: C: MIC HI D: E: PHN HI F: PHN LO & SHIELD	25. – A: ICS KEY B: TX KEY C: PHN HI D: MIC LO, SHIELD & GND FOR "KEYING" E: PHN LO F: MIC HI
14. – A: MIC HI B: TX KEY C: MIC LO, SHIELD & GND FOR "KEYING" D: ICS KEY E: PHN HI F: PHN LO	20. – A: MIC LO, SHIELD & GND FOR "KEYING" B: PHN HI C: PHN LO D: MIC HI E: ICS KEY F: TX KEY	26. – A: MIC HI B: SHIELD C: MIC LO, & GND FOR "KEYING" D: PHN LO E: PHN HI F: TX KEY
15. – A: MIC HI B: C: MIC LO, SHIELD & GND FOR "KEYING" D: ICS KEY E: PHN HI F: PHN LO	21. – A: MIC HI B: ICS KEY C: MIC LO D: TX KEY E: PHN HI F: PHN LO, SHIELD & GND FOR "KEYING"	27. – A: PHN LO B: MIC HI C: MIC LO & SHIELD D: PHN HI E: 28VDC F:
16. – A: MIC HI B: C: MIC LO & SHIELD D: E: PHN HI F: PHN LO	22. – A: MIC HI B: ICS KEY C: MIC LO, SHIELD & GND FOR "KEYING" D: TX KEY E: PHN HI F: PHN LO	28. – A: PHN LO B: MIC HI C: MIC LO, SHIELD & GND FOR "KEYING" D: PHN HI E: TX KEY F: ICS KEY
17. – A: TX KEY B: ICS KEY C: PHN HI D: MIC LO, SHIELD & GND FOR "KEYING" E: PHN LO F: MIC HI	23. – A: MIC HI B: C: MIC LO & SHIELD D: E: PHN HI F: PHN LO	29. – A: PHN HI B: MIC HI C: MIC LO, SHIELD & GND FOR "KEYING" D: PHN LO E: TX KEY F: ICS KEY
18. – A: MIC LO B: ICS KEY C: MIC HI D: TX KEY E: PHN HI F: PHN LO, SHIELD & GND FOR "KEYING"	24. – A: ICS KEY B: TX KEY C: PHN LO, SHIELD & GND FOR "KEYING" D: PHN HI E: MIC LO F: MIC HI	30. – A: MIC HI B: SHIELD C: MIC LO D: TX KEY E: PHN HI F: PHN LO & GND FOR "KEYING"

3) CONTINUED AIRFRAME CONNECTOR PIN LAYOUT:

6 CONTACT CONNECTOR (MS3476L10-6P or -6S)

31. – A: MIC HI
 B:
 C: MIC LO, SHIELD &
 GND FOR “KEYING”
 D: TX KEY
 E: PHN HI
 F: PHN LO

10 PIN CONNECTOR (MS3476L12-10P)

55. – A: PHN HI
 B: PHN LO & GND FOR
 “KEYING”
 C:
 D: ICS KEY
 E: TX KEY
 F: MIC HI
 G: MIC LO
 H: 28VDC
 J: SHIELD
 K:

58. – A: ICS KEY
 B: PHN HI
 C: PHN LO & GND FOR
 “KEYING”
 D:
 E:
 F: MIC HI
 G: MIC LO
 H:
 J: SHIELD
 K: TX KEY

61. – A: MIC HI
 B: MIC LO & GND FOR
 “KEYING”
 C: PHN HI
 D: SHIELD
 E: ICS KEY
 F: TX KEY
 G: PHN LO
 H:
 J: 28VDC
 K:

56. – A: PHN HI
 B: PHN LO & GND FOR
 “KEYING”
 C:
 D: ICS KEY
 E: TX KEY
 F: MIC HI
 G: MIC LO
 H:
 J: SHIELD
 K:

59. – A: ICS KEY
 B: PHN HI
 C: PHN LO & GND FOR
 “KEYING”
 D: 28VDC
 E:
 F: MIC HI
 G: MIC LO
 H:
 J: SHIELD
 K: TX KEY

62. – A: PHN HI
 B: PHN LO
 C:
 D: ICS KEY
 E: TX KEY
 F: MIC HI
 G: MIC LO
 H:
 J: SHIELD & GND
 FOR “KEYING”
 K:

57. – A: PHN HI
 B: PHN LO
 C:
 D: ICS KEY
 E: TX KEY
 F: MIC HI
 G: MIC LO & GND FOR
 “KEYING”
 H:
 J: SHIELD
 K:

60. – A: MIC HI
 B: MIC LO, SHIELD &
 GND FOR “KEYING”
 C: PHN HI
 D:
 E: ICS KEY
 F: TX KEY
 G: PHN LO
 H:
 J: 28VDC
 K:

63. – A: PHN HI
 B: PHN LO
 C:
 D: ICS KEY
 E: TX KEY
 F: MIC HI
 G: MIC LO
 H:
 J: SHIELD
 K: GND FOR “KEYING”

3) CONTINUED AIRFRAME CONNECTOR PIN LAYOUT:

10 PIN CONNECTOR (MS3476L12-10P)

64. –	A: PHN HI B: C: PHN LO D: MIC HI E: MIC LO F: G: H: J: SHIELD & GND FOR “KEYING” K: TX KEY	67. –	A: PHN HI B: PHN LO C: D: ICS KEY E: TX KEY F: MIC HI G: MIC LO H: J: SHIELD & GND FOR “KEYING” K:	70. –	A: PHN LO B: MIC HI C: MIC LO, SHIELD & GND FOR “KEYING” D: PHN HI E: TX KEY F: ICS KEY G: 28VDC H: J: K:
65. –	A: B: PHN HI C: PHN LO D: E: MIC LO F: MIC HI G: H: J: SHIELD & GND FOR “KEYING” K: TX KEY	68. –	A: MIC HI B: MIC LO & GND FOR “KEYING” C: PHN HI D: PHN LO E: ICS KEY F: TX KEY G: SHIELD H: J: K:	71. –	A: B: PHN HI C: PHN LO D: E: ICS KEY F: MIC HI G: MIC LO H: J: TX KEY K: SHIELD & GND FOR “KEYING”
66. –	A: B: PHN HI C: PHN LO & GND FOR “KEYING” D: E: F: MIC HI G: MIC LO H: ICS KEY J: TX KEY K: SHIELD	69. –	A: PHN HI B: PHN LO C: TX KEY D: MIC LO & GND FOR “KEYING” E: MIC HI F: G: H: J: SHIELD K:	72. –	A: PHN HI B: PHN LO C: D: E: F: MIC HI G: MIC LO H: J: SHIELD K:

3) CONTINUED AIRFRAME CONNECTOR PIN LAYOUT:

10 PIN CONNECTOR (MS3476L12-10P)

73. –	A: PHN HI B: PHN LO C: D: ICS KEY E: TX KEY F: MIC HI G: MIC LO & GND FOR “KEYING” H: 28VDC J: SHIELD K:	75. –	A: MIC HI B: MIC LO C: PHN HI D: PHN LO E: ICS KEY F: TX KEY G: GND FOR “KEYING” H: J: SHIELD K:	77. –	A: B: PHN HI C: PHN LO D: E: F: MIC HI G: MIC LO H: J: TX KEY K: SHIELD & GND FOR “KEYING”
74. –	A: PHN HI B: PHN LO C: D: ICS KEY E: TX KEY F: MIC HI G: MIC LO H: 28VDC J: K: SHIELD & GND FOR “KEYING”	76. –	A: B: PHN HI C: PHN LO D: E: F: MIC HI G: MIC LO H: J: ICS KEY K: SHIELD & GND FOR “KEYING”		

10 PIN CONNECTOR (807-049P12)

90. –	1: MIC LO 2: MIC HI 3: PHN HI 4: PHN LO 5: TX KEY 6: ICS KEY 7: 8: SHIELD & GND FOR “KEYING” 9: 10:
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31 PIN CONNECTOR (D38999/26JD35PN)

95. –	1-4: 5: ICS KEY 6: SHIELD & GND FOR “KEYING” 7: 8: TX KEY 9-31:
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4) PUSH BUTTON SW:

Y – YES, USE FOR TX KEY
N – NO, NOT INSTALLED
I – YES, USE FOR ICS KEY

5) ROCKER SW:

	Function	Switch Type	Label
1 -	None	None	None
2 -	ICS	ON - OFF - (ON)	LOC / ICS / MOM
3 -	ICS	(ON) - OFF - (ON)	MOM / ICS / MOM
4 -	TX	(ON) - OFF - (ON)	MOM / TX / MOM
5 -	Custom	Custom	Custom

Note: For switch functionality ON = lock position, (ON) = momentary position and OFF = no connection.

6) DIODE ISOLATION:

N – NONE

7) SPECIAL OPERATIONS:

0 – STANDARD OPERATION (TX SW only keys the TX line, ICS SW only keys the ICS line)
1 – KEY ICS WHEN TRANSMITTING (When keying the TX sw., the ICS will key as well)
2 – MOM=ICS KEY LOC=VOX (Rocker switch MOM position activates the output key line and activates the Mic. The LOC position activates the Mic only. Works only with interrupted mic system, step 9)

8) VOL CONT:

Y – YES, INSTALLED
N – NO, NOT INSTALLED

9) MIC:

1 – HOT MIC (Mic circuit live. e.g., needed for VOX operation)
2 – INTERRUPT MIC (Open mic circuit until TX or ICS switch is activated)
3 – NOT APPLICABLE

10) CORD:

CS – CURLY CORD SHORT (1.5FT EXTENDS TO 6FT)
CL – CURLY CORD LONG (3FT EXTENDS TO 15FT)
S – STRAIGHT CORD FOLLOWED BY TWO DIGITS INDICATING LENGTH IN FEET

SHOULD THE CUSTOMER HAVE ANY QUESTIONS ABOUT CONFIGURATION OPTIONS PLEASE CONTACT AAL AVIONICS DEPT.