


QTY	ITEM	PART NUMBER	DESCRIPTION	SPEC	MATERIAL or ALTERNATE P/N
1	1	A790	LOUD HAILER CONTROLLER	TECHNISONIC INDUSTRIES LIMITED	
1	2	HHB-R	UNIVERSAL IN LINE FUSE HOLDER	COOPER BUSSMAN	
1	3	MDL-1-R	FUSE, 1 AMP, NICKEL PLATED, TIME DELAY	COOPER BUSSMANN	

NOTES:

- 1) ALL WIRE IAW MIL-W-22759/34 UNLESS OTHERWISE SPECIFIED.
- 2) ALL CABLE IAW MIL-DTL-27500-(XX)SD(Y)T23 UNLESS OTHERWISE SPECIFIED.
(XX = REQUIRED AWG; Y = NUMBER OF CONDUCTORS)
- 3) ALL JUMPER WIRE 22 AWG UNLESS OTHERWISE NOTED.
- 4) ALL COAXIAL CABLE IAW MIL-C-17 UNLESS OTHERWISE SPECIFIED.
- 5) PERFORM ALL WORK IAW STANDARD PRACTICES OF THE ROTORCRAFT AMM, SRM AND AC 43.13-1B/2A (OR LATER APPLICABLE REVISION):

AIRCRAFT HARDWARE	AC 43.13-1B CHAPTER 7
AIRCRAFT ELECTRICAL SYSTEMS	AC 43.13-1B CHAPTER 11
RADIO INSTALLATIONS	AC 43.13-2A CHAPTER 2
ANTENNA INSTALLATIONS	AC 43.13-2A CHAPTER 3
ADDING OR RELOCATING INSTRUMENTS	AC 43.13-2A CHAPTER 11

- 6) DENOTES MIL-S-81824/1-X SPLICE  UNLESS OTHERWISE SPECIFIED.
- 7) ALL SINGLE WIRE TO BE #22 AWG MINIMUM AND ALL SHIELDED WIRE TO BE #24 AWG MINIMUM. UNLESS OTHERWISE SPECIFIED

- 8) REMOVE OPERATORS HEADSET MIC AND PTT LINES FROM AUDIO PANEL AND RECONNECT AS SHOWN.
- 9) PERFORM POST INSTALLATION TEST IN ACCORDANCE WITH TECHNISONIC INSTALLATION INSTRUCTIONS DOCUMENT No. 09RE410, REVISION A, ISSUE 2 DATED JULY 2010, OR LATER APPLICABLE REVISION.
- 10) THESE PINS CONNECT TOGETHER WHEN THE A790 IS SWITCHED ON AND ARE FLOATING WHEN THE A790 IS OFF.
- 11) THE A790 IS AVAILABLE WITH 28V OR 5 V PANEL LIGHTING. CONFIGURE PANEL LIGHTING VOLTAGE IN ACCORDANCE WITH TECHNISONIC INSTALLATION INSTRUCTIONS DOCUMENT No. 09RE410, REVISION A, ISSUE 2 DATED JULY 2010, OR LATER APPLICABLE REVISION.
- 12) CONNECT TO THE AIRCRAFT DIMMING BUS.
- 13) OPTIONAL AUXILIARY INPUTS CAN BE CONNECTED TO ANOTHER AUDIO SOURCE.
- 14) INSTALL A790 IN ACCORDANCE WITH AC43.13-1A CHAPTER 2, SECTION 3 AND AC 43.13-2A, CHAPTER 2. PR 3 1/2 DZUS RAIL OR EQUIVALENT MAY BE USED.
- 15) CONNECT TO AN APPROPRIATE SPARE INPUT ON THE EXISTING AUDIO PANEL.
- 16) CONNECT TO AN APPROPRIATE SPARE INPUT ON THE EXISTING PA AMPLIFIER.

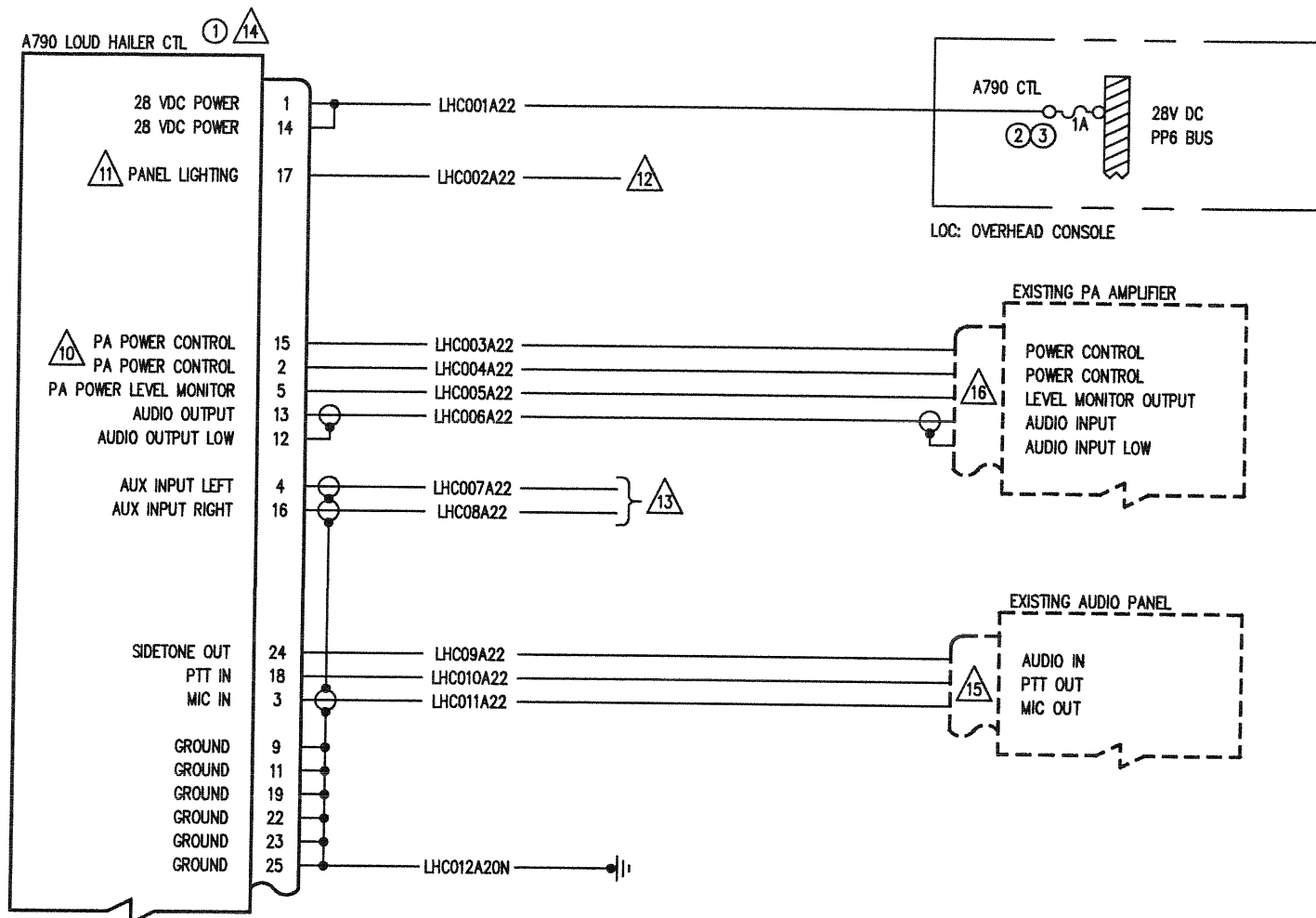
POWER REQUIREMENT

UNIT	MINIMUM CURRENT DRAW	MAXIMUM CURRENT DRAW
A790 LOUD HAILER CONTROLLER	LESS THAN 1A	LESS THAN 1A

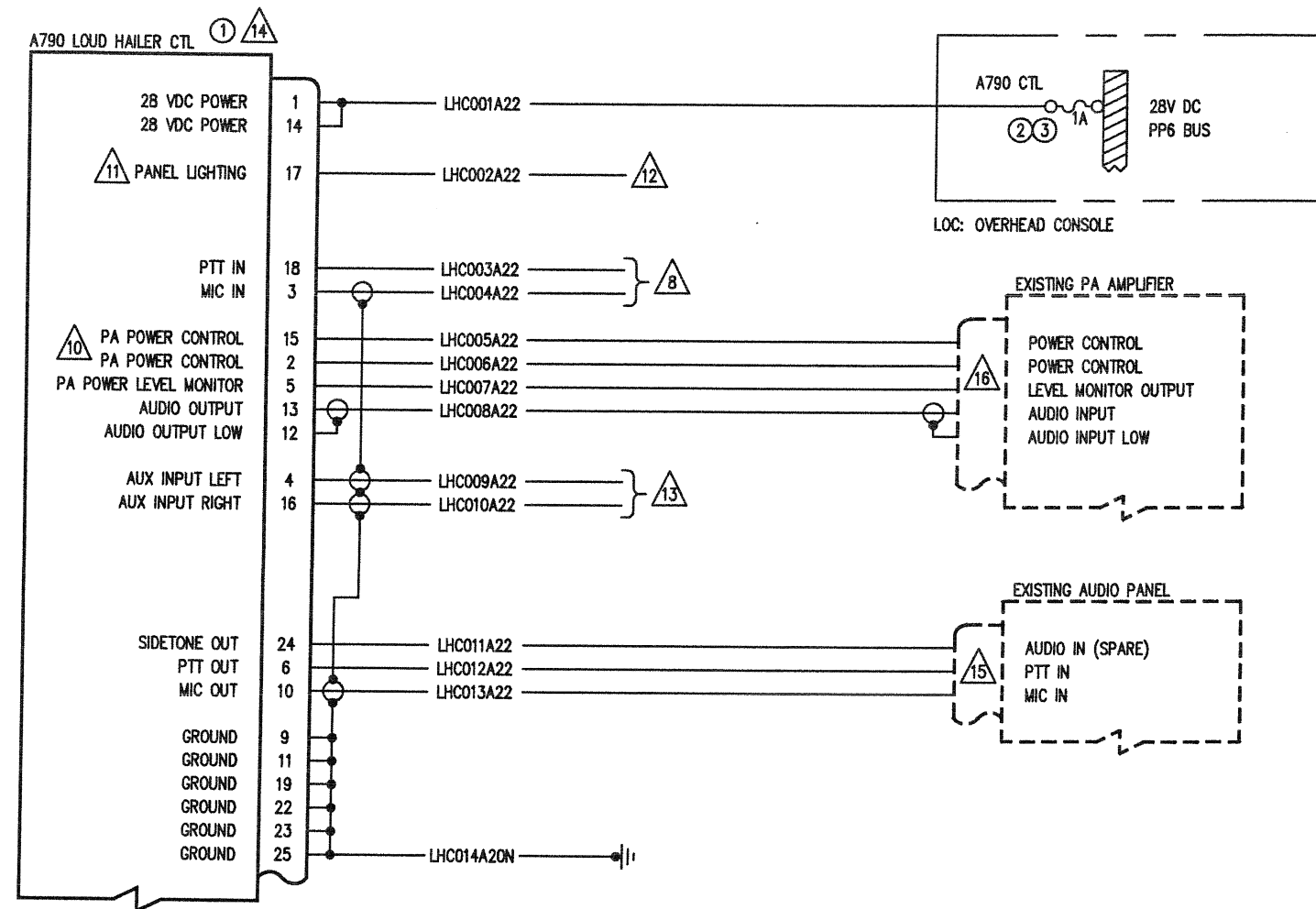
REVISION STATUS	
SHEET	REVISION
01	NC
02	NC

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RELEASED

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INITIAL RELEASE	DESCRIPTION		TIL A790 INSTALLATION IN, AS 350	
E. MUENZ	DRAWN	DATE: 28SEP10 DRAWN: E. MUENZ SHEET: 1 OF 2	SIZE	NEXT HIGHER ASSY: DRAWING No. CAD FILE #WD10046-1
28 SEPT 2010	DATE		B	WD10046
	APPROVED		SCALE: NTS	



CONFIGURATION 1: STANDARD INSTALLATION



CONFIGURATION 2: ALTERNATE INSTALLATION IF NO SPARE AUDIO PANEL MIC/PTT OUTPUT

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E. MUENZ	DRAWN	DATE: 28SEP10 DRAWN: E. MUENZ	DRAWING No. CAD FILE #WD10046-2 WD10046
28 SEPT 2010	DATE		
	APPROVED		
		SIZE: B	SCALE: NTS
		SHEET: 2 OF 2	