

NS-800, REAR VIEW OF TRAY

<u>Pin</u>	<u>P101</u>	<u>Pin</u>	<u>P101</u>
1	NOT USED	A	NOT USED
2	NOT USED	B	NOT USED
3	NOT USED	C	NOT USED
4	NOT USED	D	NOT USED
5	NOT USED	E	NOT USED
6	NOT USED	F	NOT USED
7	SWITCHED A+ OUT	H	LOCALIZER ACTIVATE
8	APPROACH LIGHT	J	RNAV LIGHT
9	14/28V POWER INPUT	K	14/28 V POWER INPUT
10	AIRFRAME GROUND	L	AIRFRAME GROUND
11	DME AUDIO OUT	M	NOT USED
12	NOT USED	N	NOT USED
13	NOT USED	P	AUTO INCR. (NOT USED)
14	NOT USED	R	NOT USED
15	XFR SW (NOT USED)	S	NOT USED

<u>Pin</u>	<u>P102</u>	<u>Pin</u>	<u>P102</u>	<u>Pin</u>	<u>P103</u>
1	- NAV FLAG	A	- GS FLAG	1	NAV AUDIO
2	ARINC G, SIN/COS #4	B	RESOLVER JUMPER	2	NAV AUDIO GND.
3	ARINC D, SIN/COS #3	C	SIN/COS #1	3	NAV SIGNAL
4	ARINC A OR H	D	RESOLVER JUMPER	4	GROUND
5	+ RIGHT	E	+ LEFT	5	A/P + RIGHT
6	+ FROM	F	+ TO	6	(NOT USED)
7	+ NAV FLAG	H	V REF (2.5V)	7	A/P + UP
8	+ UP	J	+ DOWN	8	A/P + NAV FLAG
9	+ GS FLAG	K	ARINC C	9	A/P + GS FLAG
10	SIN/COS JUMPER	L	ARINC E, SIN/COS #2	E	A/P + LEFT
11	SIN/COS JUMPER	M	ARINC F	H	A/P + DOWN
12	(NOT USED)	N	(NOT USED)	J	A/P - NAV FLAG
				K	A/P - GS FLAG

PINS: 10, 11, 12, A, B, C, D, F, L, M, N (NOT USED)

FIGURE 2-5 NS-800 PIN ASSIGNMENTS

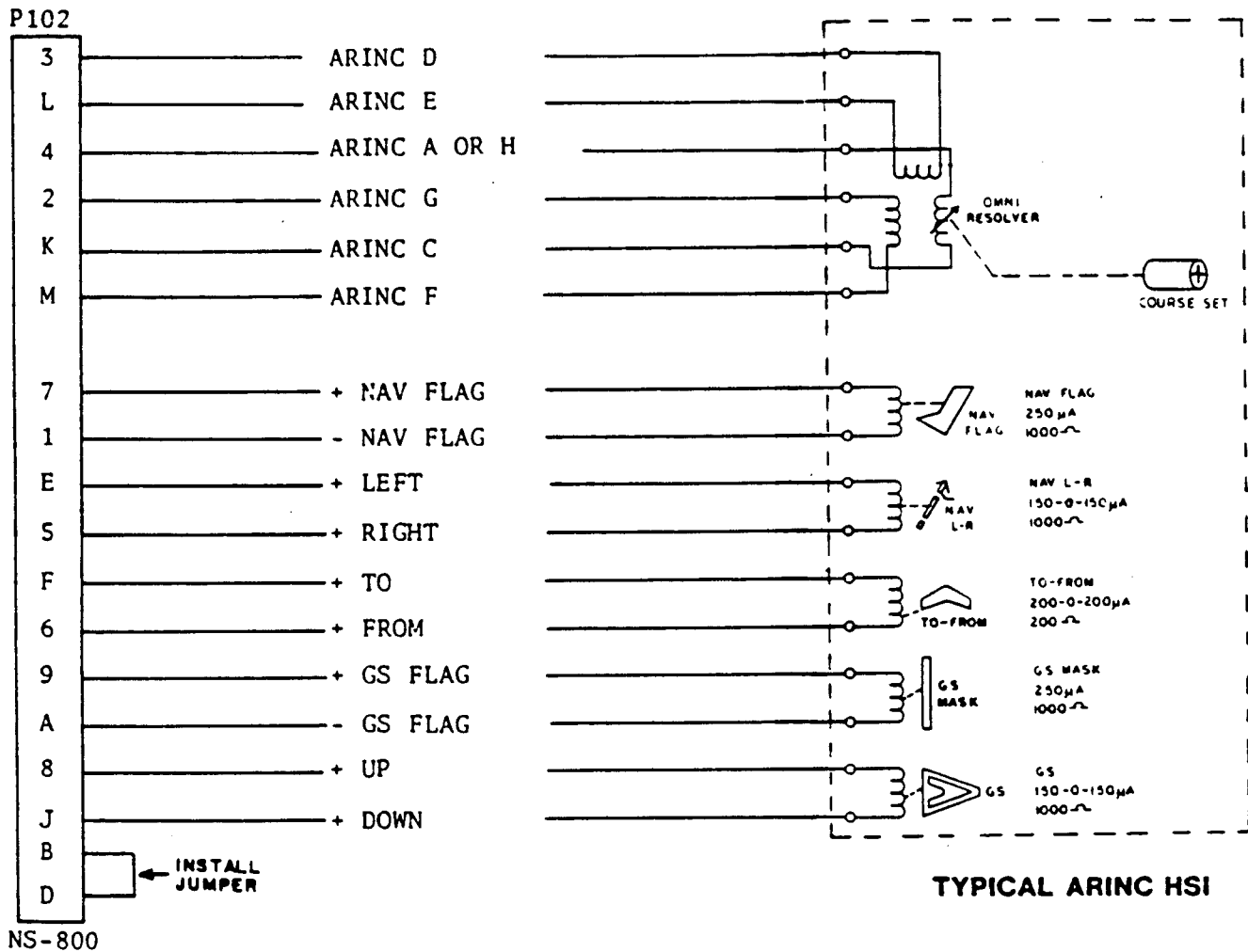
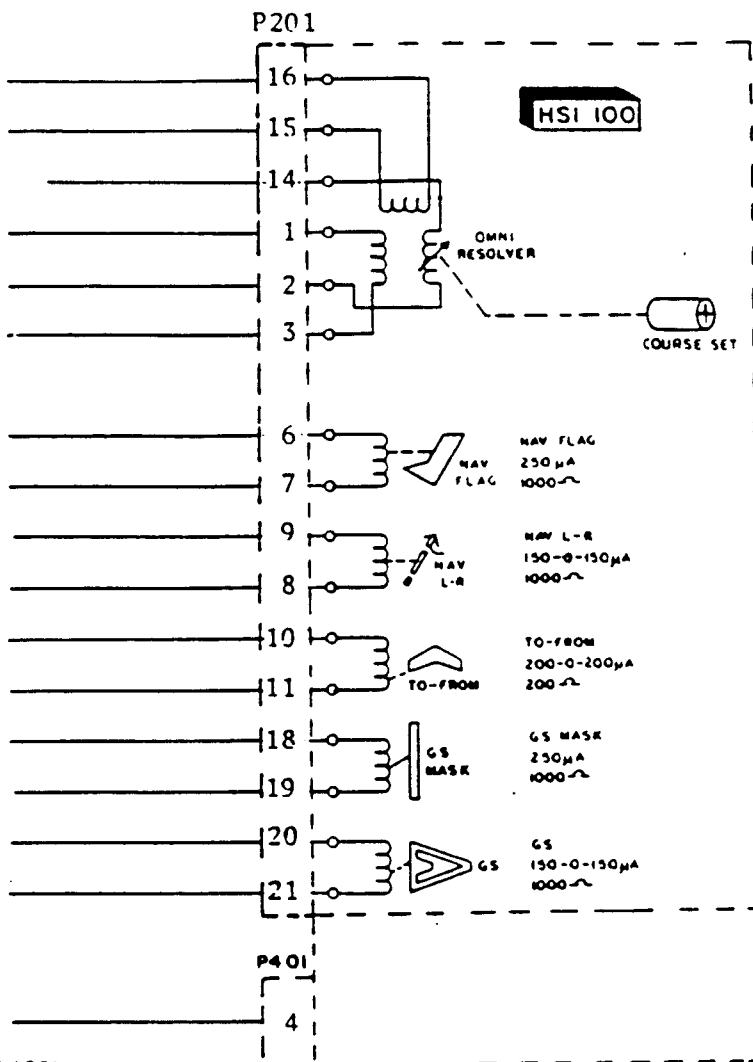
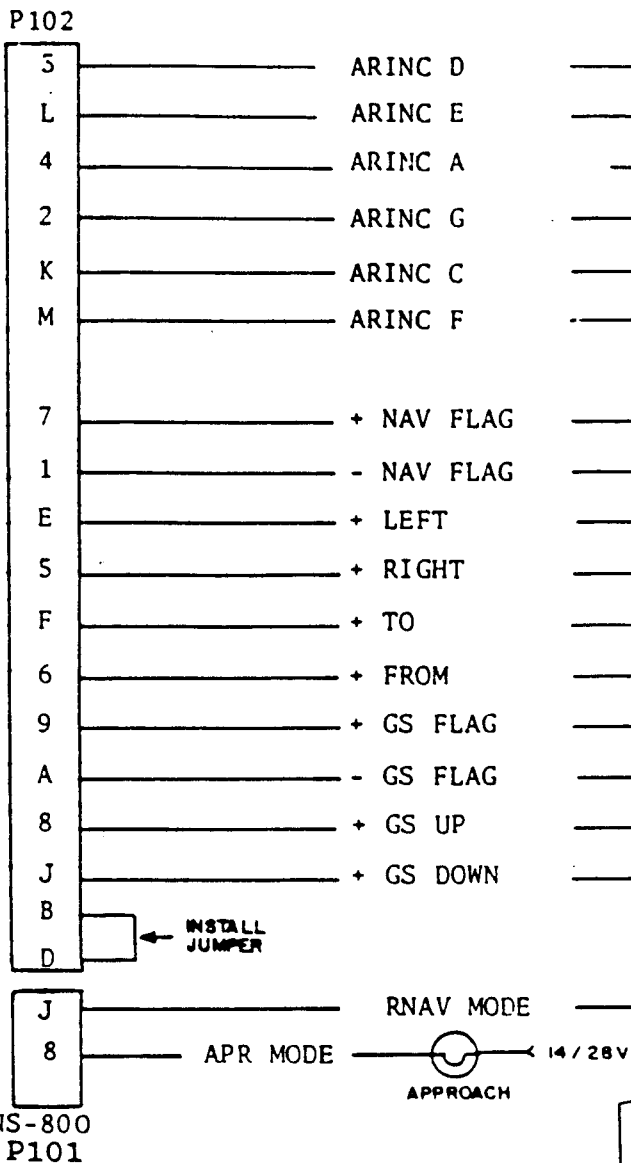


FIGURE 2-6 NS-800 TO ARINC INDICATOR WIRING

NS-800



NS-800
P101

Modification Requirement

As shown here, solder a filter capacitor (10uF/20V) Narco Pn 21564-0146 across C209 on the computer board. This filters the RNAV lamp voltage from the HSI-100.

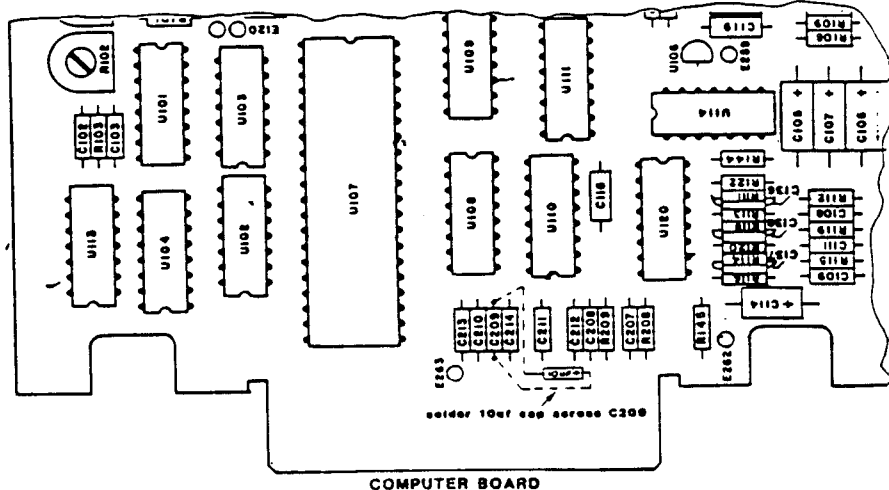


FIGURE 2-7 NS-800 TO HSI-100 WIRING

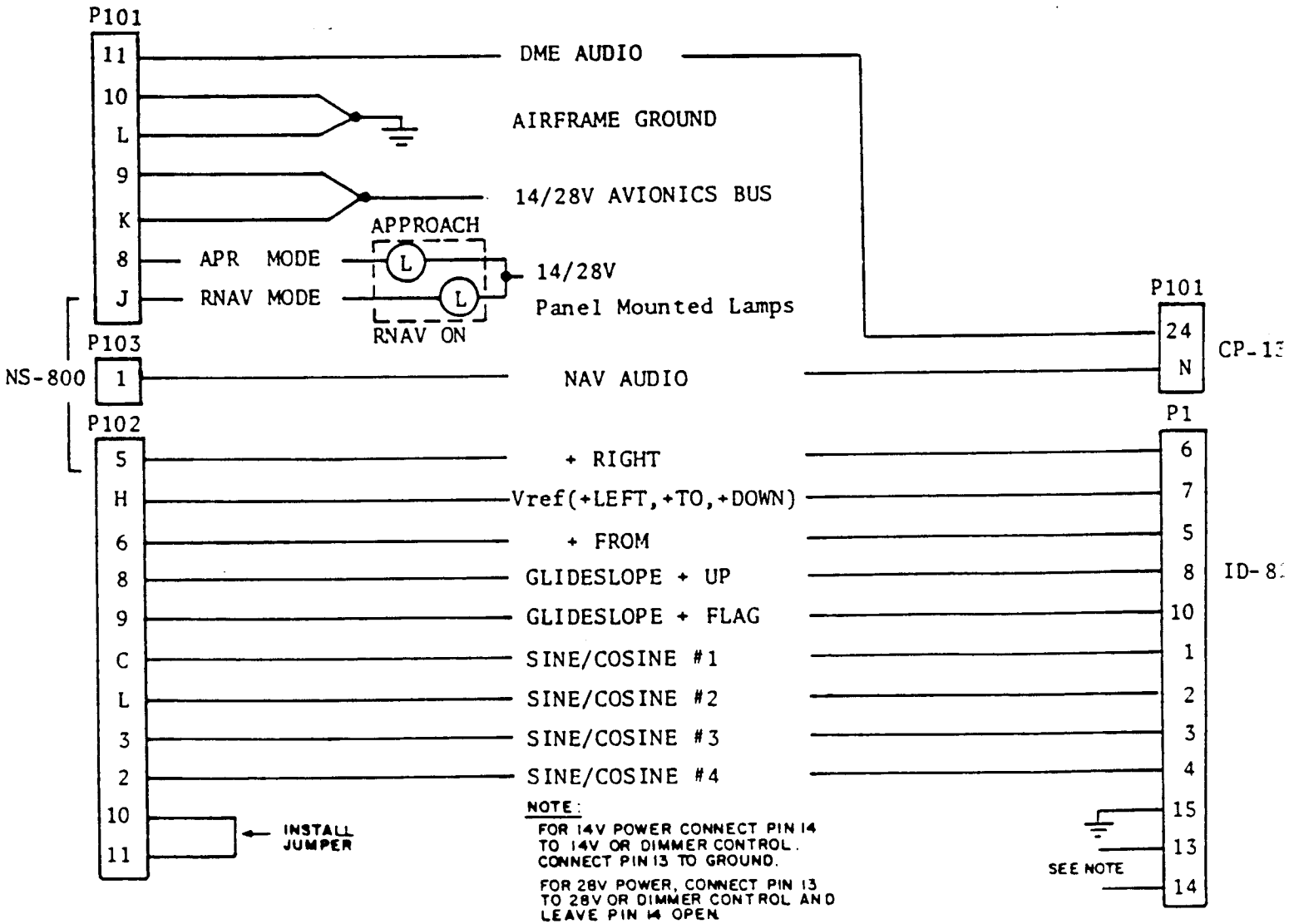
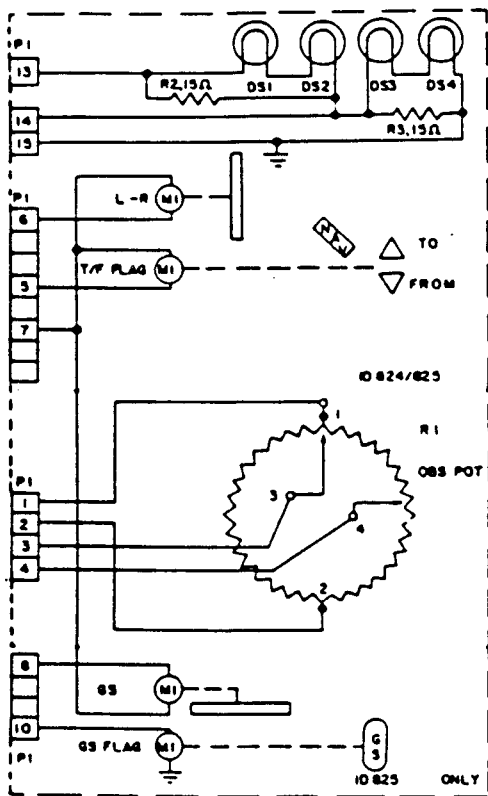


FIGURE 2-8 NS-800 TO CP-136/ID-825 WIRING



NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL RESISTANCE IS IN OHMS ±5%, 1/2W
2. FOR 14V POWER, CONNECT PIN 14 TO 14V OR AIRCRAFT DIMMER AND PIN 13 TO GROUND. FOR 28V POWER, CONNECT PIN 13 TO 28V OR AIRCRAFT DIMMER AND LEAVE PIN 14 OPEN.
3. IO 824/825/826
 CONNECTOR NARCO PN 41364-0004
 LOCKING ASSY PN 41308-0002
 HOOD NARCO PN 41307-0002
 CONTACTS NARCO PN 41372-0009

Pin No.	DESCRIPTION
1	SINE/COSINE #1
2	SINE/COSINE #2
3	SINE/COSINE #3
4	SINE/COSINE #4
5	+ FROM
6	+ RIGHT
7	+ LEFT, + TO, + DOWN
8	GLIDESLOPE + UP
10	GLIDESLOPE + FLAG
13	LIGHTS - SEE NOTE 2
14	LIGHTS - SEE NOTE 2
15	GROUND

The internal resistances of the meters, flags and OBS pot are given here. An ohmmeter should be placed across the indicated pins. Resistance measurements are made with the cable connector removed from the indicator.

When measuring the OBS POT resistance across pins 3 and 4, set the OBS card to the indicated headings for measurements around the dial.

PINS	FUNCTION	OHMS
6- 7	L/R METER	1000 ± 5%
5- 7	T/F FLAG	200 ± 5%
7- 8	GS UP/DOWN	1000 ± 5%
10-15	GS FLAG	1000 ± 5%
1- 2	OBS POT, FIXED RESISTANCE	6600 ± 5%
3- 4	OBS POT, VARIABLE RESISTANCE	
	0° or 180°	6600 ± 5%
	45° or 225°	5100 ± 5%
	90° or 270°	4100 ± 5%
	135° or 315°	6100 ± 5%

FIGURE 2-9 ID-825 INTERNAL CONNECTIONS AND RESISTANCES