

A17-49024-00

CLOCK PHASE CORRECTION RETROFIT KIT

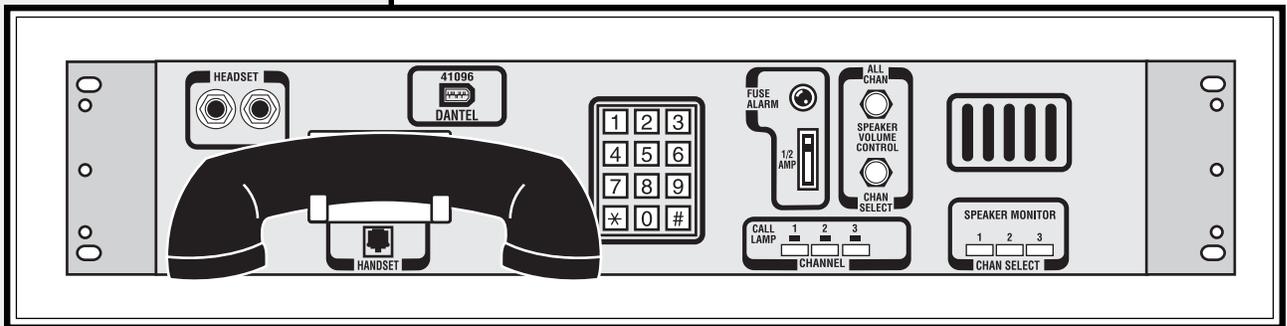


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About this Practice:

This practice has been reissued to:

- Meet ISO 9001 requirements.

Reissued Practices: Updated and new content can be identified by a banner in the right margin.

Issue date: October 1998

UPDATED

CAUTION

- Install or remove modules from the shelf only when the power is off. If you install a module in the shelf with the power on, the internal circuitry may suffer damage and the product warranty will be void.
- Remove and install circuit boards only in a static-safe environment (use antistatic wrist straps, smocks, footwear, etc.).
- Keep circuit boards in their antistatic bags when they are not in use.
- Do not ship or store circuit boards near strong electrostatic, electromagnetic, magnetic, or radioactive fields.
- For more complete information on electrostatic discharge safety precautions, refer to Bellcore™ Technical Reference # TR-NWT-000870.

ORDERING INFORMATION

NOTE: This section lists the different options available for this product. To order any of the available options, contact Dantel Inside Sales through our toll-free number, **1-800-432-6835**.

OPTION NUMBER	FEATURES
A17-49024-00	Clock Phase Correction Retrofit Kitt

GENERAL DESCRIPTION

The A17-49024-00 Clock Phase Retrofit Kit allows Dantel's B11-46105-XX Dual VF 64-Kilobit Channel Module to operate in repeater mode when supplied with transmit and receive clocks that are the same frequency, but different phase. Without this retrofit kit, the 46105 requires the transmit and the receive clocks to be in phase when operating in repeater mode.

With this kit installed, the 46105 module derives all internal timing from the receive clock and delivers the output data to a buffer located on the 49024 subassembly. (Supplied with the retrofit kit.) The input to this special buffer is clocked by the receive clock, while the output is clocked by the transmit clock. In this manner, the buffer provides an interface between clocks of different phases.

INSTALLATION

This kit installs on the rear of the A18-05547-XX DTSS3A Order Wire / Data Interface.

Step 1

Remove power from the unit. Remove the backplane cover of the 05547.

Step 2

Remove the screw located between P3 and Q1. Attach and secure the A80-00606-00 sub-assembly on the backplane using the stand-off and the screw provided. Refer to Assembly Drawing A02-00824-00 (Fig. 1 of this procedure) and System Rear View (page 2 of C18-05547-XX Block Diagram and Fig. 1 of this procedure).

Step 3

Use Table A to relocate 4 wires to new pins on the backplane connector J1.

CONTINUED . . .

INSTALLATION

TABLE A - WIRES TO RELOCATE

FROM	COLOR	TO
J1-47	W/G	J1-37
J1-48	G/W	J1-38
J1-9	W/G	J1-21
J1-10	G/W	J1-22

Step 4

Using Table B and Fig. 1, wire-wrap from the 49024 subassembly to edge connector J1, (46105 connector). Refer to Schematic A01-00346-00 and Assembly Drawing A02-00824-00 for reference. Use wire size AWG #24 solid.

Step 5

Open the front of the 05547 shelf and place label C18-05547-XX on the inside of the case, over the old label. Close unit and re-apply power.

INSTALLATION

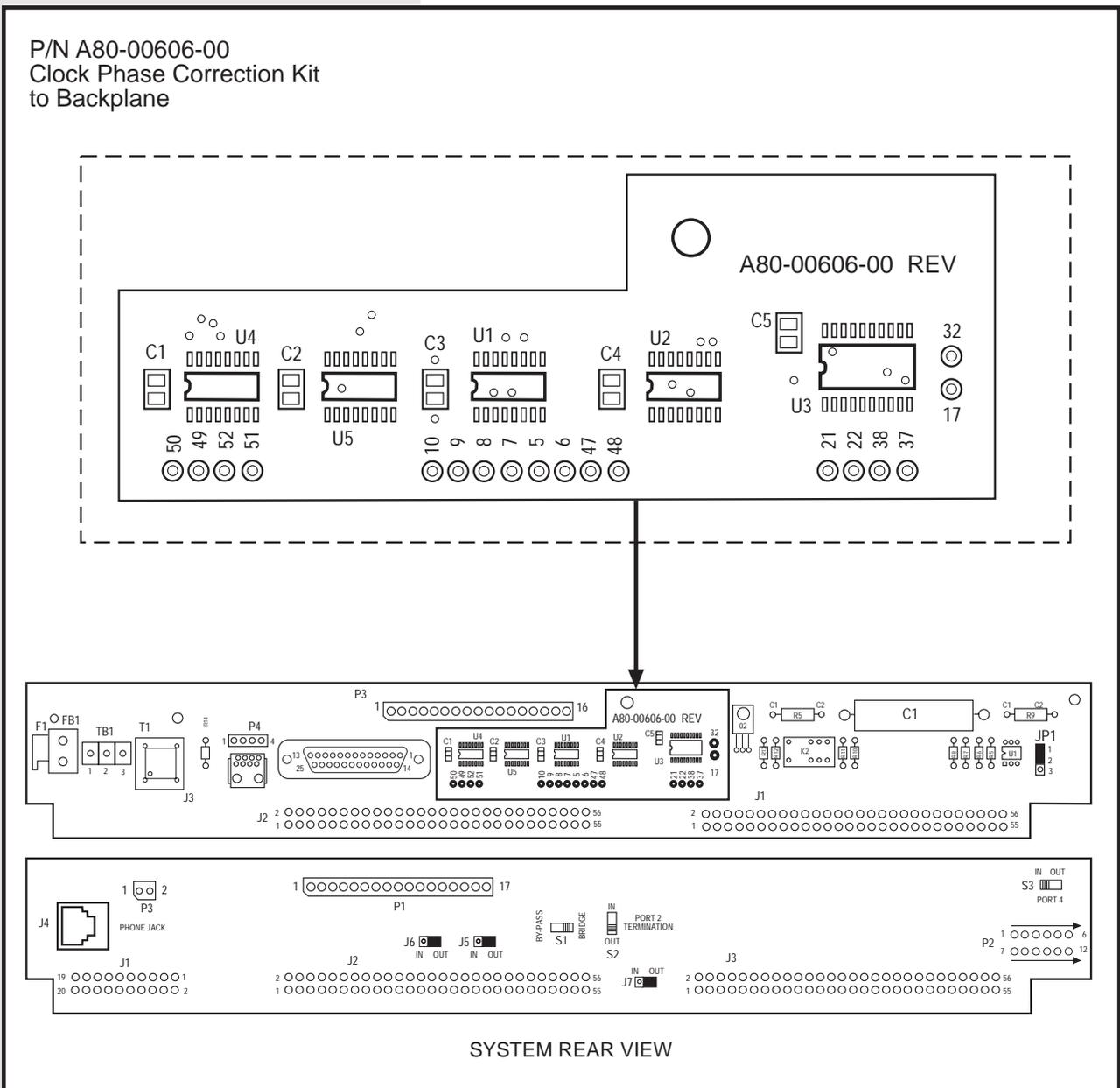
TABLE B - WIRES TO ADD

FROM (sub-assembly)	COLOR	TO (J1 EDGE CONNECTOR)
32	N	J1-32 (+5 VDC)
17	R	J1-17 (GROUND)
37	O	J1-37 (XMTDATA1+ out to DCE)
38	Y	J1-38 (XMTDATA1+ out to DCE)
22	G	J1-22 (XMTDATA2- out to DCE)
21	B	J1-21 (XMTDATA2+ out to DCE)
48	V	J1-48 (XMTDATA1+ out to DCE)
47	GR	J1-47 (XMTDATA1+ out to DCE)
6	W	J1-6 (XMTCLOCK2- in from DCE)
5	K	J1-5 (XMTCLOCK2+ in from DCE)
7	N	J1-7 (XMTCLOCK2+ in from 46105)
8	R	J1-8 (XMTCLOCK2- in from 46105)
9	O	J1-9 (XMTDATA2+ in from 46105)
10	Y	J1-10 (XMTDATA2- in from 46105)
51	G	J1-51 (XMTCLOCK+ in from DCE)
52	B	J1-52 (XMTCLOCK- in from DCE)
49	V	J1-49 (XMTCLOCK1+ out from 46105)
50	GR	J1-50 (XMTCLOCK1- out from 46105)

INSTALLATION

FIG. 1 - A17-49024-00 SUBASSEMBLY AND 05547 REAR VIEW

P/N A80-00606-00
Clock Phase Correction Kit
to Backplane



WARRANTY

LIMITED WARRANTY

The Seller warrants that the standard hardware products sold will be free from defects in material and workmanship and perform to the Seller's applicable published specifications for a period of 18 months for hardware, and 3 months for software, from the date of the original invoice. The liability of the Seller hereunder shall be limited to replacing or repairing, at its option, any defective products which are returned F.O.B. to the Seller's plant, (or, at the Seller's option, refunding the purchase price of such products). In no case are products to be returned without first obtaining permission and a customer return authorization number from the Seller. In no event shall the Seller be liable for any consequential or incidental damages.

Equipment or parts which have been subject to abuse, misuse, accident, alteration, neglect, unauthorized repair or installation are not covered by warranty. The Seller shall make the final determination as to the existence and cause of any alleged defect. No warranty is made with respect to custom equipment or products produced to the Buyer's specifications except as specifically stated in writing by the Seller in the contract for such custom equipment.

This warranty is the only warranty made by the Seller with respect to the goods delivered hereunder, and may be modified or amended only by a written instrument signed by a duly authorized officer of the Seller and accepted by the Buyer.

Warranty and remedies on products not manufactured by the Seller are in accordance with warranty of the respective manufacturer. THE SELLER MAKES NO OTHER WARRANTY OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED; AND ALL IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEEDS THE AFORESAID OBLIGATIONS IS HEREBY DISCLAIMED BY THE SELLER.

IN CASE OF DIFFICULTY

If you experience difficulty with this equipment, check the following, as appropriate:

1. **Switch settings**
2. **Signal levels**
3. **Software configuration**
4. **Connections between Dantel's equipment and your equipment.**

If there is still a problem, substitute equipment that is known to be good. For additional assistance, call Dantel's Technical Field Service Department weekdays, 6 A.M. to 5 P.M. pacific time:

1-800-4DANTEL (1-800-432-6835).

If a thorough checkout shows a piece of equipment has malfunctioned, you may return it to the factory. For repairs and emergency replacements, obtain a Return Material Authorization (RMA) number from the Customer Service Representative at **1-800-4DANTEL (1-800-432-6835)**.

To ensure expedient processing of your order, provide a purchase order number and shipping and billing information when requesting an RMA number. Also, when the units are returned to Dantel, include a description of the failure symptoms for each unit returned. Send defective equipment to:

Dantel, Inc. • 2991 North Argyle Avenue • Fresno, California 93727-1388

