
BENDIX/KING® Service Bulletin

BULLETIN NO: CD 402B-3
Frequency Control Display

EFFECTIVITY

CD 402B, KPN 071-1341-00, serial number 3637 and below. The display unit's LCD Assembly must carry a date code of 8/85 or later to facilitate incorporation of this service bulletin.

Units with serial numbers above those stated have Mod 3 incorporated during original manufacturing.

Serial numbers 3638 through 3656 have this modification incorporated but may not have the mod status tag stamped to indicate Mod 3.

REASON

To increase reliability of the unit's backlighting in 28V CD 402B's.

DESCRIPTION

This modification consists of the removal and replacement of the LCD Backlight Module and four (4) light sockets on the front panel.

COMPLIANCE

Recommended if unit requires backlighting repair.

WARRANTY INFORMATION

Warranty credit or payment will be issued for this modification if the unit is still under the original new product warranty and the modification is completed by an appropriately rated BENDIX/KING Service Center. A properly completed warranty claim for two (2.0) hours labor plus parts may be submitted.

APPROVAL

Conforms to FAA TSO: C37c Class 3, C38c Class C and EUROCAE ED-24,
ED-23

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MANPOWER

Two (2.0) hours including testing.

REFERENCES

VCS 40A Maintenance/Overhaul Manual, KPN 006-05907-0008.

MODIFICATION PROCEDURE

1. Loosen four (4) screws on the rear of the unit and remove the top and bottom dust covers.
2. Remove four (4) screws (two each side) securing the main frame chassis to the front panel.

*** NOTE ***

The Front Panel Assembly is connected to the Display Control Module by two cables (W1004 and the LCD Module ribbon cable P1005).

3. Carefully separate the Front Panel Assembly from the main frame chassis to the point that will allow the cables to be disconnected.
4. Disconnect the LCD ribbon cable connector P1005 from Backlight Control Module connector J2005.
5. Disconnect ribbon cable W1003 connector P1005 from Display Control Module connector J2005.
6. Disconnect ribbon cable W1004 connector P1001 from Display Control Module connector J2001.
7. Remove the four (4) screws securing the LCD Module to the front panel.
8. Remove the black vinyl tape securing the Backlight Module to the LCD Module.
9. Use a cylindrical tool, such as a drill shank, to place in the access hole. Push the Backlight Module through the LCD Module until the opposite end protrudes far enough to remove. Replace the LCD Backlight Module with one included in the mod kit.
10. Loosen set screws and remove all knobs from the front panel of the unit.

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11. Remove three (3) Phillips head screws securing bezel to front panel. Remove front bezel.
12. Carefully desolder and remove four (4) lamps and sockets from the front panel.
13. Replace the sockets with KPN 033-00168-0000, included in the mod kit. Replace the four (4) lamps and filters with KPN 037-00012-0006 and KPN 088-00084-0001, included in the mod kit and solder in place. A corner of the flex cable may need to be trimmed for a correct fit.
14. Reassemble unit.

TESTING PROCEDURE

Perform final test of the unit in accordance with Section 5.2.3 of the CD 402B Maintenance Manual.

IDENTIFICATION PROCEDURE

Stamp an "X" on the mod status tag to indicate Mod 3 is complete.

MATERIAL INFORMATION

A parts kit is available under KPN 050-02988-0000 to fully modify one (1) CD 402B per this service bulletin. This kit contains the following items:

<u>KPN/BPN</u>	<u>QTY</u>	<u>DESCRIPTION</u>
033-00168-0000	4	SOCKET
037-00012-0006	4	LAMP
088-00084-0001	4	FILTER
200-08043-0001	1	LIGHT BOARD

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