DATE: **January 8, 2003**

SUBJECT: **NO PICTURE; H-OUT TRANSISTOR (Q501) DAMAGED AFTER INSTALLING BKM-101C IN PVM-14M/20M UNITS**

MODEL: **BKM-101C**

SERIAL NO:

BKM-101C	2,023,651–2,029,280

DESCRIPTION

The ground wire may pick up FBT pulses, damaging the H-OUT transistor (Q501). If Q501 becomes damaged after installing BKM-101C in PVM-14M/20M series units, perform the following modification and adjustment procedures.

MODIFICATION PROCEDURE

Reroute the ground wire that connects the BB and terminal boards from the safety ground plate to the focus pack as follows:

(See Figure 1.)

1. Remove the ground wire leading from TP310 on the BB board from the safety ground plate on the left side of the terminal board.

2. Leave the ground wire leading from PIN308 on the A board, and reinstall the ground screw.
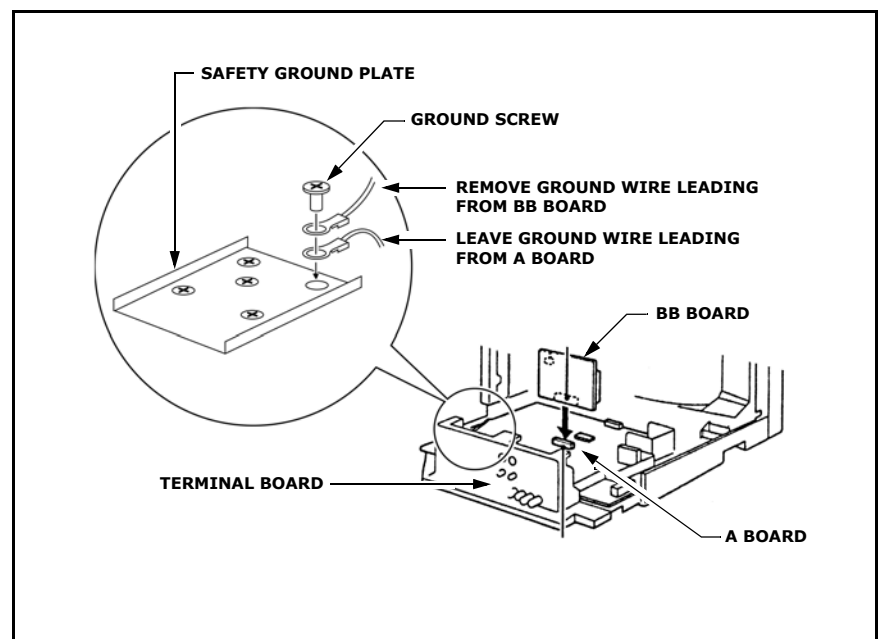

Figure 1

DPMO02-020

3. Attach the ground wire leading from TP310 on the BB board to the bracket of the focus pack on the right side of the terminal board, under the two existing ground wires leading from the SDI board. (See Figure 2.)

   NOTE: Route the ground wire leading from the BB board as close to the Q board as possible.

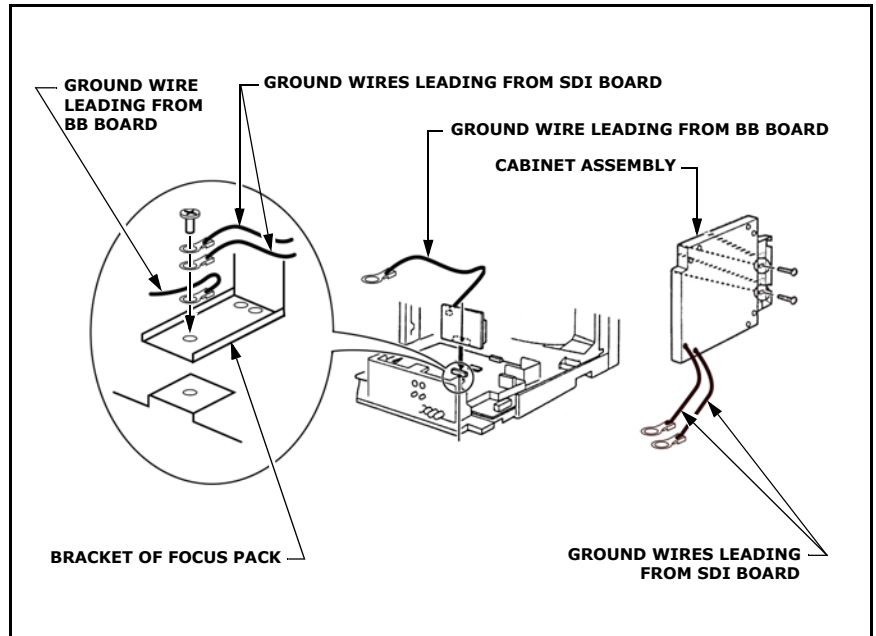4. Tighten all three ground wires together.

GROUND WIRE LEADING FROM BB BOARD

GROUND WIRES LEADING FROM SDI BOARD

GROUND WIRE LEADING FROM BB BOARD

CABINET ASSEMBLY

BRACKET OF FOCUS PACK

GROUND WIRES LEADING FROM SDI BOARD

Figure 2

(See Figure 3.)

5. Using purse locks, affix the ground wire leading from the BB board to the following harnesses connecting:
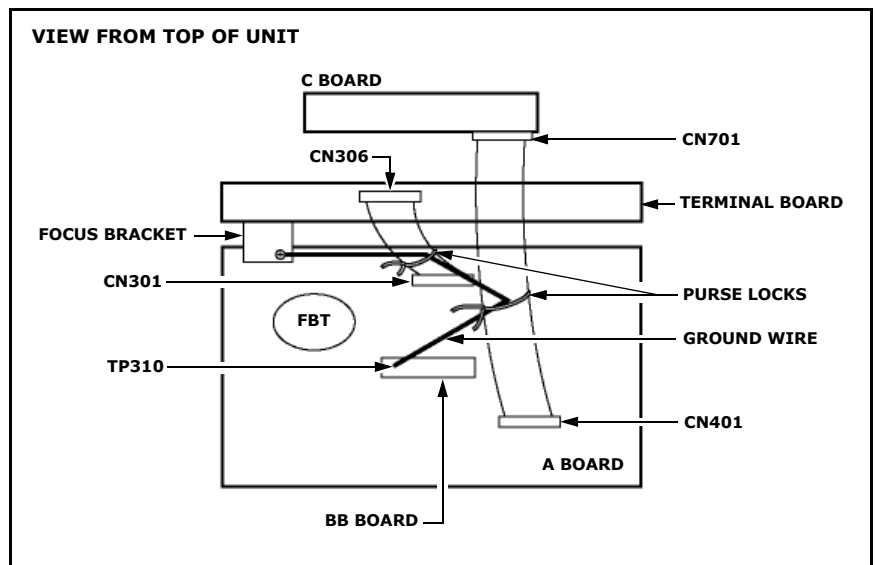
   • CN301 on the A board
   • CN401 on the A board

VIEW FROM TOP OF UNIT

C BOARD

CN701

CN306

TERMINAL BOARD

FOCUS BRACKET

CN301

PURSE LOCKS

FBT

GROUND WIRE

TP310

CN401

A BOARD

BB BOARD

Figure 3

ADJUSTMENT PROCEDURE

Check SDI signal white balance. If white balance is lost, adjust SDI white balance as follows:

1. Input a 20% gray SDI signal.

2. While the menu is displayed, press the ENTER and DEGAUSS keys simultaneously.

   Service Mode 1 is displayed.

3. While Service Mode 1 is displayed, press the U/S and ENTER keys simultaneously.

4. Adjust W/B DIGITAL R-Y and W/B DIGITAL B-Y to achieve white balance.

   NOTE: Use the ENTER key to move from item to item.

5. Press the DEGAUSS key once, and confirm that WRITE appears on the menu.

6. Press the DEGAUSS key again to write and save the data.

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