TABLE OF CONTENTS

Description - Procedure for replacing 1.5T and 1.0T Dynamic Disable Switch Boards.

1- REMOVING DYNAMIC DISABLE SWITCH BOARD

FATAL ELECTRIC SHOCK HAZARD!! POSSIBLE +500 (1.0T) OR +1000 (1.5T) VOLT POTENTIAL TO THE DYNAMIC DISABLE SWITCH BOARD. TO PREVENT POSSIBLE FATAL ELECTRIC SHOCK, DISCONNECT POWER FROM THE RF SYSTEM CONTROLLER MODULE.

1. Turn RF System Controller Module Power off with MR1A14CB6 on rear panel.

2. Shut off power to the RF/PEN cabinet by switching OFF the RF/PEN circuit breaker at the PDU.

3. Remove power plug from RF/PEN Cabinet (MR1A14J1). Lockout and tag power plug to prevent tampering. (Refer to *Procedure For Safety: Section 6.*)

4. Verify that power to the RF/Pen Cabinet is off by checking the fans and LEDs on both the RF amplifier and the RF System Controller (RFSC).

5. Disconnect J72, J73, J75, and J76 at the Penetration Panel (magnet enclosure side).

6. Unlatch front or rear magnet enclosure covers.

7. Remove the covers from over the failed Dynamic Disable Switch (DDS) board inside the magnet bore. See Illustration L2990A and Illustration L2991A.

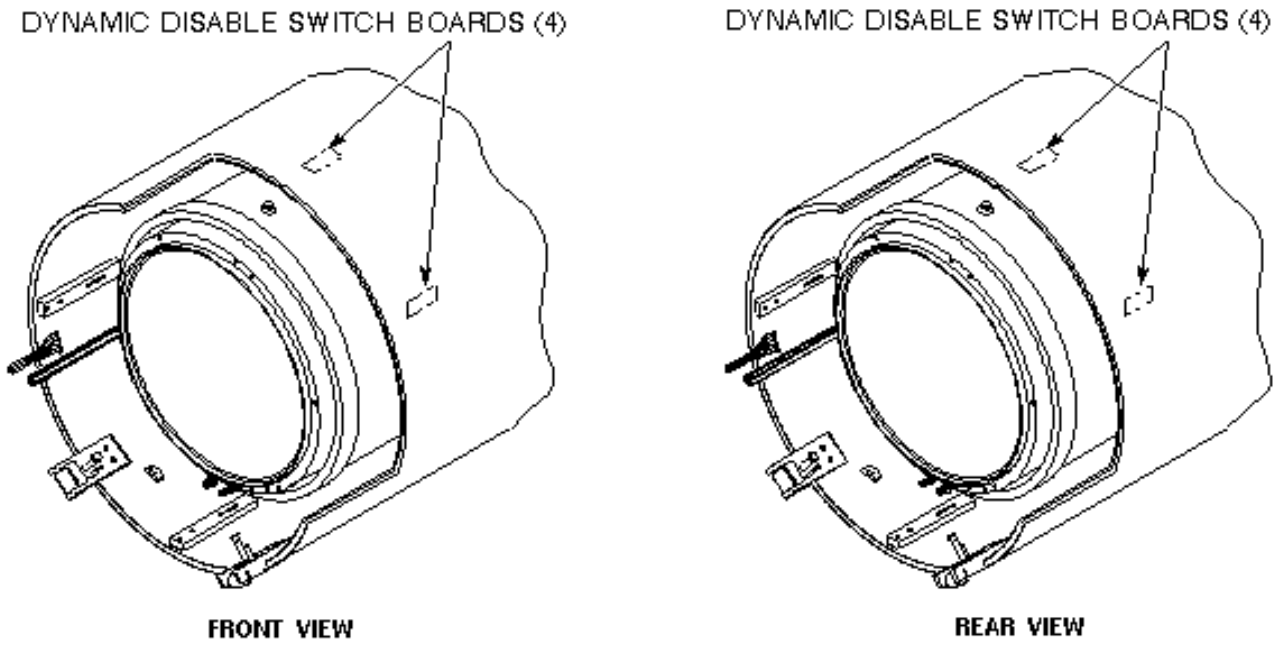

ILLUSTRATION L2990A;
DYNAMIC DISABLE SWITCH BOARD REPLACEMENT

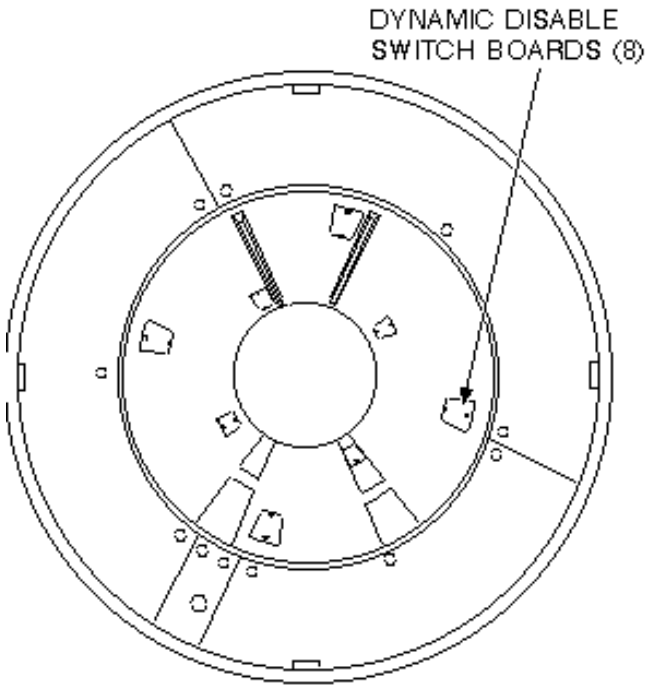

ILLUSTRATION L2991A
DYNAMIC DISABLE SWITCH BOARD LOCATION

(Two of the boards are located under the bridge. Refer to procedure for Bridge Removal/Replacement, for instructions on removing the bridge.

8. Disconnect the failed Switch Board, MG2A12A4-A11.

9. Remove Switch Board from Body Coil Assembly.

2- INSTALLING DYNAMIC DISABLE SWITCH BOARD

FATAL ELECTRIC SHOCK HAZARD!! POSSIBLE +500 (1.0T) OR +1000 (1.5T) VOLT POTENTIAL TO THE DYNAMIC DISABLE SWITCH BOARD. TO PREVENT POSSIBLE FATAL ELECTRIC SHOCK, DISCONNECT POWER FROM THE RF SYSTEM CONTROLLER MODULE.

1. Turn RF System Controller Module Power off with MR1A14CB6.

2. Shut down power to the RF/PEN cabinet by switching OFF the RF/PEN cabinet breaker at the PDU.

3. Remove power plug from RF/PEN Cabinet (MR1A14J1). Lockout and tag power plug to prevent tampering. (Refer to*Procedure For Safety: Section 6.*)

4. Verify that power to the RF/Pen Cabinet is off by checking the fans and LEDs on both the RF amplifier and the RF System Controller (RFSC).

5. Reinstall Dynamic Disable Switch (DDS) Board into Body Coil Assembly.

6. Install cover over DDS Board.

7. Relatch front or rear magnet enclosure cover.

8. Reconnect J72, J73, J75 and J76 to the Penetration Panel (magnet enclosure side).

9. Remove lockout and tag from RF/PEN Cabinet power connector and connect to MR1A14J1.

10. Turn RF System Controller Module Power on with MR1A14CB6.

3- FUNCTIONAL CHECKS REQUIRED

1. Check body and head SNR. Refer to procedure for Signal To Noise Check.

(An alternative proprietary procedure is available for GE use or to customers with an Advanced Service Package Limited License. Refer to procedure for TLT and perform body and head SNR scans.)

2. Check body and head coil tuning. Refer to procedure for Body Coil Check and procedure for Head Coil Check.

(An alternative proprietary procedure is available for GE use or to customers with an Advanced Service Package Limited License. Refer to procedure for RFT and perform Body Coil and Head Coil tuning checks.)

REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
0	July 28, 1998	M. Whitlow	Initial conversion from Toolbook to Word.
1	May 21, 1999	SM Atladottir	Updated Procedure References for New GUI
2	June 28, 2001	Hawthorne	Removed statement that said this document was for 60 cm coils only.