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DESCRIPTION

Procedure for obtaining the first image after the system installation.

1- INITIAL CONDITIONS

- Signa software fully operational
- Magnet mechanically shimmed
- FID Tuning completed

2- SET UP

Tools Required

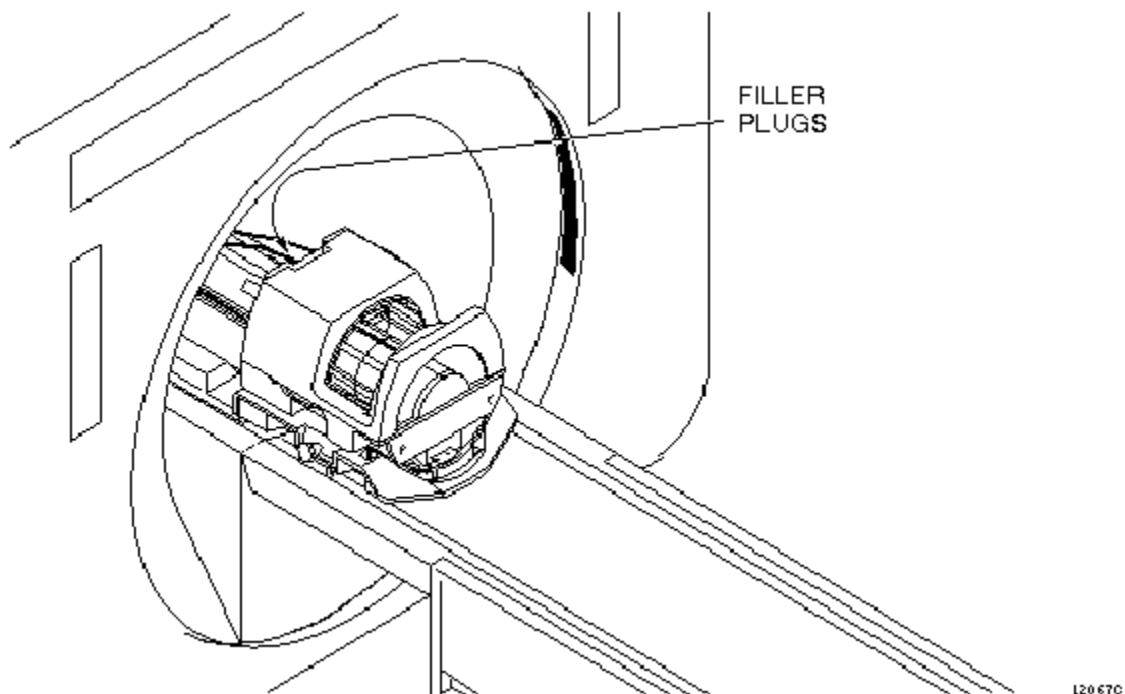
- DQA Phantom, 2131027-2

WARNING!

POISON HAZARD! THE PHANTOM CONTAINS NICKEL, A SUSPECT CARCINOGEN. DO NOT INGEST. DISPOSE OF AS A HAZARDOUS WASTE ACCORDING TO STATE AND FEDERAL REGULATIONS.

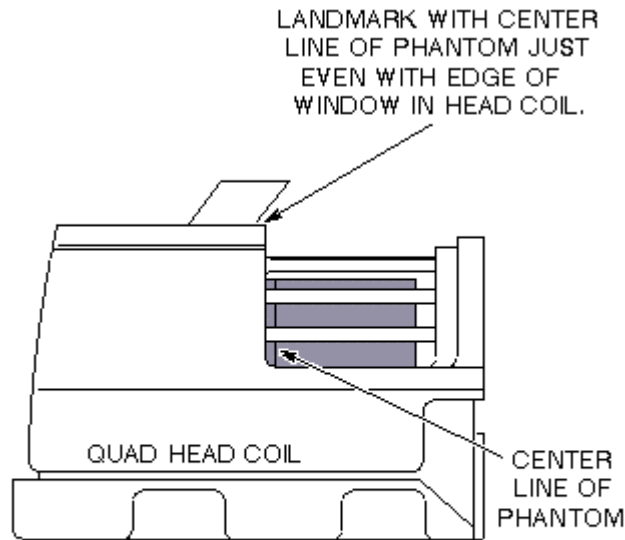
Procedure

1. Place the DQA phantom in the head coil. Positioning the fill plugs up and toward the rear of the magnet. See Illustration 2-1.



DQA-III PHANTOM POSITIONING
ILLUSTRATION 2-1

2. Landmark the phantom on the center plate. See Illustration 2-2.



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LANDMARKING DQA PHANTOM
ILLUSTRATION 2-2

3. At the keypad on the front of the magnet enclosure, press LANDMARK and MOVE TO SCAN.

Note

Exact location of isocenter will be found in a later procedure. The DQA should now be approximately centered longitudinally in body coil assembly. A good first estimate is about 32 inches behind front edge of body coil assembly.

4. At the operator work space, prepare the system for a "First Image" scan using the scan protocol shown in the *Service Protocols* procedure located on the service methods CD-ROM, or for the alternate proprietary procedure, see Table 2-1.

TABLE 2-1
FIRST IMAGE PROTOCOL

Note: This is the alternate proprietary procedure available for GE use, and to sites with a valid Advanced Service Package Limited License.

(If you have not already done so:)

- Click on **[New Pt]**, and enter
- Id: **geservice**
- Name: **first image**
- Weight (Lb): **111**
- Set Patient Protocols to **Service**.

In the Protocol field, type **o.20.1** (o=Other, 1=series number), or select the corresponding "first image" protocol from the **Service** list.

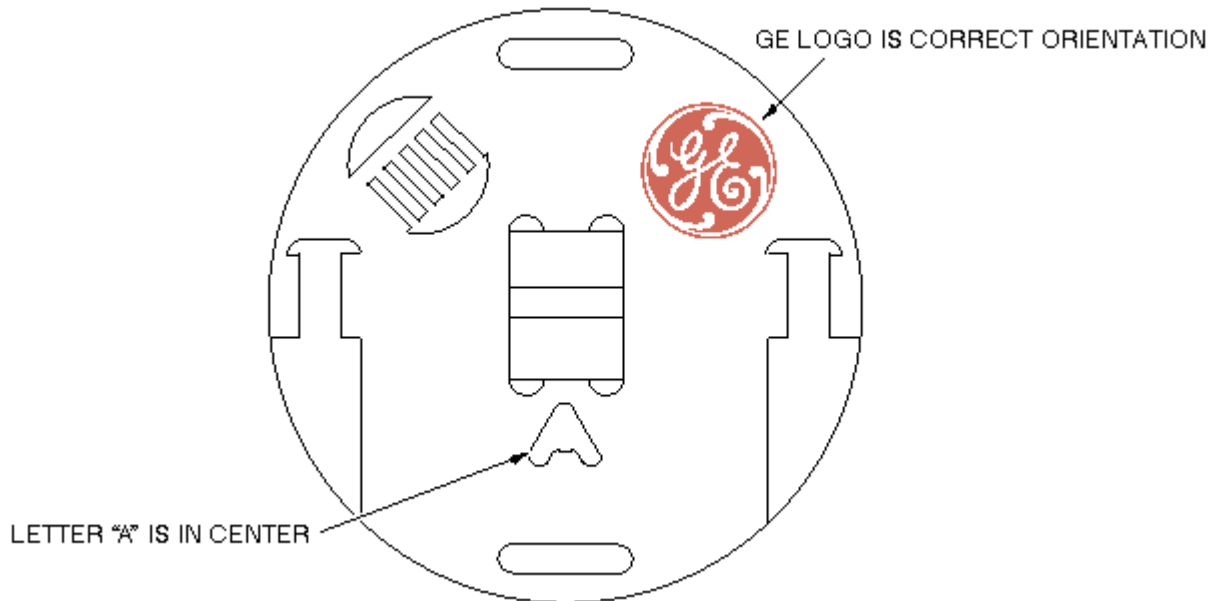
For **TwinSpeed**, select GradMode=**WHOLE**

[Save Series], then **[Prepare to Scan]**.

5. Select **[Scan]** (system Auto Prescans first).
6. For **TwinSpeed**, repeat 4 and 5 with GradMode=**ZOOM**.

3- DISPLAY IMAGE

Verify that the images on the monitor correspond with Illustration 3-1. Do not be concerned with image quality at this time; it will be addressed during the Performance Checks.



DQA III PHANTOM GEOMETRY FOR "FIRST IMAGE"
ILLUSTRATION 3-1

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REVISION HISTORY

REV	DATE	AUTHOR	PRIMARY REASONS FOR CHANGE
0	Jun 19, 1998	L. Loehrer	Converted Toolbook document to MS Word 7.0
1	Sept. 21, 1998	M. Keber	Removed Release 8.1 information; updated format per style guide.
2	July 26, 2001	J.Gerber	Updated for TwinSpeed scanner for 9.0 release.