

Install Procedure

March 7, 2002

Page 1 of 2

Rev 0

Signa[®] System

2329765

M3033KJ - INFINITY IMAGE QUALITY MAGNET UPGRADE

1 INTRODUCTION

The Infinity Image Quality (IIQ) program is releasing Image Quality packages to be sold along with hardware and software upgrades.

The Magnet Upgrade is a package of three (3) upgrade kits: Gradient Radial Support, Bridget Support, and RF Shield Ground Strap

Parts List:

Part Number	Qty	Description
2307608	1	BRM/CRM Radial Support Kit
2320728	1	RF Shield Grounding Kit
2319203	1	IQ Bridge Upgrade Kit
2329765	1	IIQ Hardware Installation Document
2329897	1	M3033KJ Upgrade Label

The label included in the kit is used to identify what upgrades have been performed on the magnet.

2 EFFECTIVITY

This IIQ program will distribute/sell these Image Quality enhancements to as much of the Installed Base as possible to improve their image quality.

Some or all of these Image Quality enhancements will be available for 1.5T and 1.0T LX Customers only. The IIQ package will be sold with Software and selected Hardware upgrades for the Installed Base.

1. Software and Surface coil packages sold into the Signa LX Installed Base
2. Major Electronics Upgrades from 4x, 5x and Horizon Systems to LX ACGD
3. Minor Electronics Upgrades including Indigo to Octane, Array Processor Upgrades, ACGD Gradient Upgrades.

The package will not be sold to the following customers.

1. Upgrades that Include Magnet Upgrades to CXX4
2. Customers that already have the IIQ and APA2 packages
3. Options sold to systems outside the effectivity.

The following guidelines and matrix shows the effectivity of each of the enhancements:

1. RF Shield Strap upgrade is not required for systems with 8645 or SGD, but recommended in case of future upgrade to ACGD.
2. RF Shield Strap and Upper Radial validated for 1.0 and 1.5T only.
3. Bridge Support upgrade is not applicable to 3T.
4. Bridge Support is applicable to LCC magnets with MRi WideOpen enclosure, but can not be used on LCC magnets with old style square enclosure.

GE EXCLUSIVE USE ONLY

Install Procedure

March 7, 2002

Page 2 of 2

Rev 0

Signa[®] System

2329765

Upgrade	IQ Impact	SW req'd	Magnet Strength			Magnet Type			Gradients			Res. Module		
			1.5	1.0	3.0	LCC	Cx	S series	8645	SGD	ACGD	BRM	CRM	TRM
Upper Radials	DWEPI	n/a	yes	yes	yes ³	yes	yes	yes	yes	yes	yes	yes	yes	product
RF Shield Strap	Shoulder	n/a	yes	yes	yes ³	yes	yes	yes	no ¹	no ¹	yes	yes	yes	yes
Bridge Support	FSE	n/a	yes	yes	no	yes ²	no	no	yes	yes	yes	yes	yes	product

1 Not required but recommend in case of future ACGD upgrade
 2 With MRi wideopen ONLY, not older square block style
 3 Outside program scope

3 INSTALLATION

3-1 INSTALLATION PROCESS

1. Install each kit as applicable according to the effectivity matrix.
2. Kits should be installed in the following order:
 - a. Shield Ground - 2320728
 - b. Radial Support - 2307608
 - c. Bridge - 2319203
3. Apply label to one of the following locations:
 - a. Wide Open Enclosures – Apply to rear bridge cover (by existing rating plates).
 - b. Box Style Enclosure Magnets – on the lower right corner of the front kick panel (by existing rating plates).

3-2 INSTALLATION DOCUMENTATION (Included in each upgrade kit)

DIRECTION	TITLE
2318581	Signa [®] Cx/K4 Magnet Wide Open Enclosure Bridge Support
2319693	Signa Gradient Radial Support Upgrade
2319685	BRM RF Shield Grounding Upgrade

3-3 INSTALLATION TIME

Each of the upgrades listed require approximately 3 hours using 2 field engineers. Preferred is to do all three upgrades at the same time. This will allow only having to remove and reinstall magnet covers once.

GE EXCLUSIVE USE ONLY