

FMI ADMINISTRATIVE INFORMATION FMI No: 67607

FMI Title MFO2 M4 Patch Software Installation for Signa Ovation System

FMI TYPE	CHARGE CODES	IMPLEMENTATION DATES
<input type="checkbox"/> Mandatory Safety <input checked="" type="checkbox"/> Mandatory <input type="checkbox"/> Mandatory on Request	GEMS-AM: GEMS-E: GEMS-A:	Issued Date: T.B.D Closed Date: T.B.D

Staged FMI **Customer List** provided by FMI Administration. If you identify additional units within effectivity range, but they are not shown on the customer list, contact FMI Administration in your Pole

Parts and any special tools are furnished automatically. To address shortages and ordering exceptions, contact FMI Administration in your Pole.

Parts Ordering: GEMS-Americas, Contact your Region logistics coordinator
 GEMS-Europe, Order FMI kits from GPO/EPL Buc
 GEMS-Asia, Contact your Region logistics coordinator

NO Parts are required to complete this FMI.

Batch with FMI(s) : _____
 To minimize costs, combine implementation of this FMI with FMI's listed for all customers where the effectivity is the same (Please see your customer lists).

Non-Staged FMI : No Customer List is provided. Each service location must identify affected units and place part orders as indicated in the Special Instructions.

Technical Support

GEMS-Americas	GEMS-Europe	GEMS-Asia
GE Medical Systems InSite Center (414) 524-5637 800-321-7937 Milwaukee, WI 53201, USA	OnLine Center Europe Phone: 33 (0) 1 01 30 83 13 00 Fax: 33 (0) 1 01 30 70 99 70	OnLine Center Asia Phone: 81-426-48-2940 Fax: 81-426-48-2905

Special Instructions:

Unit Tracked: See Effectivity

FMI Instruction Part No. : 2374604

Do NOT leave unsecured on site

FMI Completion Certification Report

Mail To		
GEMS – Americas	GEMS – Europe	GEMS – Asia
G.E. Medical Systems Attn: FMI Admin.W-523 P.O. Box 414 Milwaukee, WI. 53201	GEMS–Europe FMI Admin. 322 BP 34 F78533 Buc Cedex, France	Send to your Country FMI or Service Administrator

FMI No. : 67607 FMI Title: MFO2 M4 Patch Software Installation for Signa Ovation System

Customer Full Name: _____

Number and Street Address: _____

City and Country: _____

Country Code

Site Number

System I.D.

Unit Tracked : TCU Assy				
Model Number	Serial Number	FMI Cop. Code	Service Hours	
			Labor	Travel
2276937				

FMI Completion Codes

- 1) Modification Complete or previously Modified
- 2) FMI not required per FMI instruction.
- 3) Not modified. Unit in storage. FMI kit returned to stock.
- 4) Modification refused or equipment altered. Customer signature and title required.
- 5) Unit location unknown or unit not in area. Product Location notified.

Customer Refusal

Customer Signature – Title

Send original to Local FMI Coordinator
Send copy to GEMS–Am, W 523

Service Signature

Employee No.

Installer

Comments: _____

MFO2 M4 Patch Installation for Signa Ovation System

EFFECTIVITY

GEMSAM :

All Signa Ovation TCU Assy. model number 2276937 with the following serial numbers:

837363YM1, 837362YM3, 837364YM9, 837365YM6, 869947YM2, 869949YM8, 869950YM6, 869951YM4, 869952YM2, 869953YM0, 869954YM8, 869955YM5, 869956YM3, 869957YM1

GEMSE:

All Signa Ovation TCU Assy. model number 2276937 with the following serial numbers:

869948YM0

Unknown:

All Signa Ovation TCU Assy. model number 2276937 with the following serial numbers:

837360YM7, 837361YM5, 869959YM7, 869960YM5, 869961YM3, 869962YM1, 869958YM9

PREREQUISIT

System Application Software MFO2 M4(MR0008) must be installed before performing this FMI.

Check if the site is listed in the FMI67605 effectivity list or not and perform FMI67605 prior to this FMI if listed.

It is possible to perform FMI67605 and FMI67607(this FMI) at the same time.

PURPOSE

Bug fix and improvement of software quality for MFO M4 Software

Per Service Notes SN62712 (Signa Ovation3 SPT SNR Change Notice), where the correction coefficient (1.12) was multiplied by the result of SPT value to obtain the correct SNR value, **is not applicable from MFO2 M4 Patch, New Restricted(2372760), and Advanced(2372758) Service CD-ROM release.**

It is not more necessary to multiply the coefficient to the SPT value.

FURNISHED MATERIALS

FMI kit 2374245, consisting of the following:

ITEM	PART NUMBER	DESCRIPTION	Qty.
1.	2371174	MFO2 M4 Parch MR0009	1
2.	2374604	FMI67607 INSTRUCTION (with customer letter)	1

Required Tool

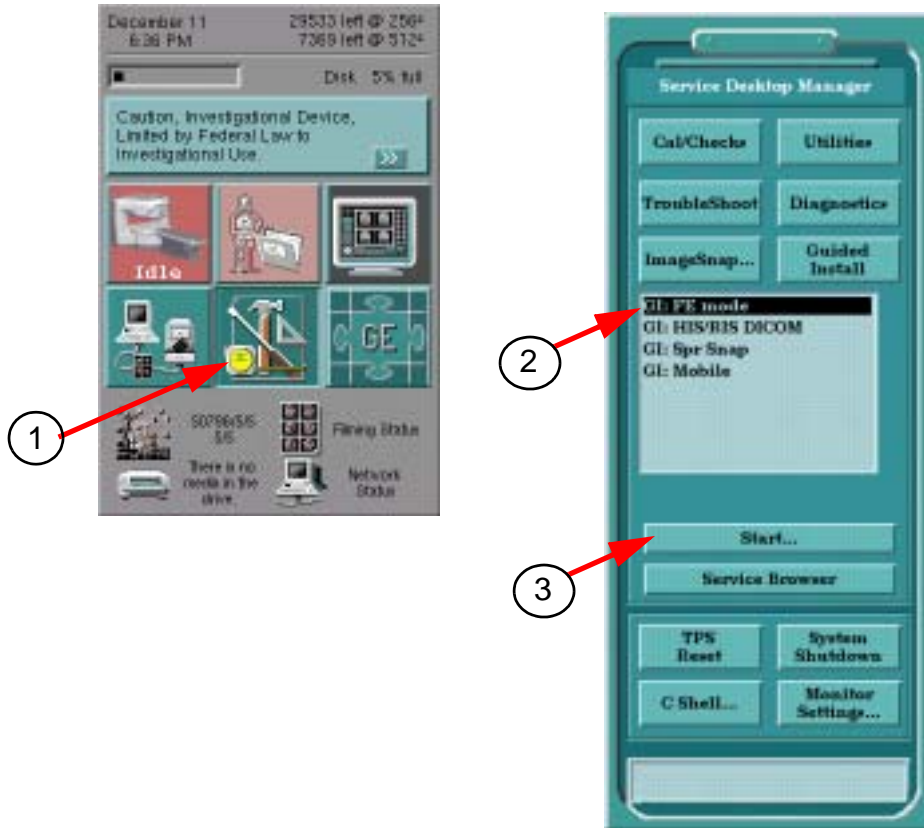
Restricted Service CD-ROM MFO2(2372760) and Advanced Service CD-ROM MFO2(2372758) will be distributed by TAB. TAB distribution will be started from FW14.4 as current target.

Prepare Restricted Service CD-ROM or Advanced Service CD-ROM according to the customer site contraction.

ITEM	PART NUMBER	DESCRIPTION	Qty.
1.	2372760	Restricted Service CD-ROM MFO2	1
2.	2372758	Advanced Service CD-ROM MFO2	1
3.	2283085	Signa Ovation Service Methods Rev 6	1

PATCH SOFTWARE INSTALLATION

1. Select [Service Desktop] icon.
2. Select "GI: FE mode".
3. Click [Start].

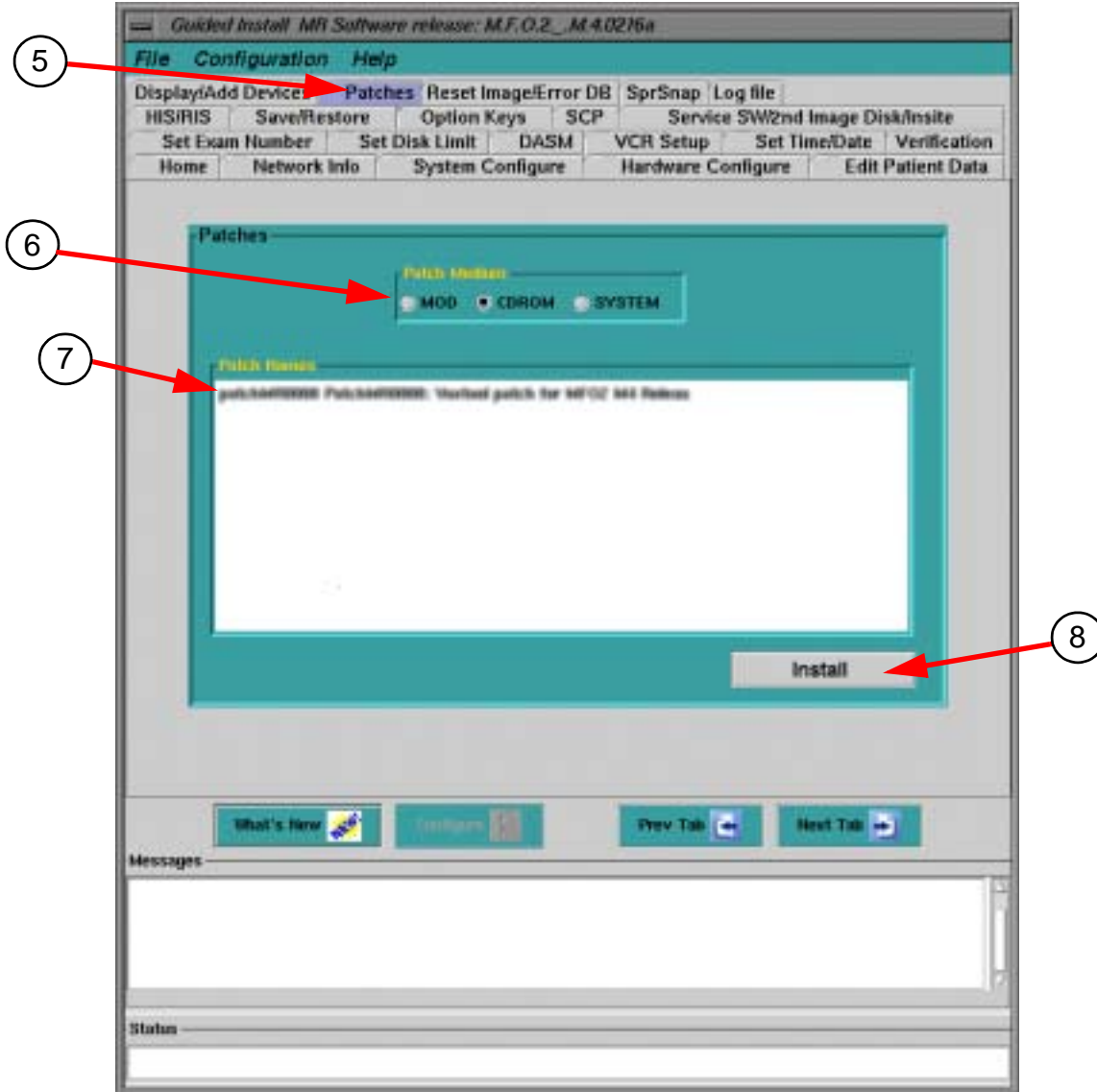


SERVICE DESKTOP
Illustration 1

4. Enter "operator" and hit [Return] key.
Password: **operator [Return]**

PATCH SOFTWARE INSTALLATION (continued)

5. Guided Install Screen comes up. Click [Patch] tab.
6. Select Patch CD-ROM.
7. Select Patch Name.
8. Click [Install]. Patch Software will be installed.



**GUIDED INSTALL SCREEN
ILLUSTRATION 1**

9. Select "System" from patch medium. Verify that installed patch name is displayed in the patch name area.
10. Select "File" and select "Quit". Select "OK" at the message.
11. Reboot the System.

SERVICE SOFTWARE INSTALLATION

1. Perform SaveINFO according to the Signa Ovation Service Methods CD-ROM (2283085) Rev6. (Service Methods/Installation/9th day/Save Info).
2. Perform Service Software Installation according to the Signa Ovation Service Methods CD-ROM (2283085) Rev6. (Service Methods/Operator WorkSpace/Setup and Calibration/ Host Software Install (Release9.0 and ASP2)/Appendix E SERVICE SOFTWARE LOAD)
3. Perform RestoreINFO.

FUNCTIONAL CHECK

Perform SPT Head Quick Check and verify that the result is within the specification.
(Ovation Service Methods/Installation/9th day)

CUSTOMER LETTER HAND OVER

Please hand the customer letter attached with this FMI Instruction.

Customer Letter Regarding Signa Ovation MFO2 M4 Patch Software

Available pulse sequence for Single Quadrature Fat/Water Image is as follows.

Single Quadrature Fat/Water Imaging

Available Puls Sequence : 2D [Spin Echo]/[FSE]/[FRFSE]

3D [GRE]/[SPGR]/[Fast GRE]/[Fast SPGR]

Before installing the Signa Ovation MFO2 M4 Patch Software, other pulse sequence could be selected even though it is not available. After installing the patch software, only the available pulse sequence can be selected from the user interface.