REQUESTING SERVICE: DIAGNOSTIC SERVICES
SHIP TO: ALEDA E. LUTZ
V.A. Medical Center
WAREHOUSE BLDG. #9
1500 WEISS STREET
SAGINAW, MI 48602

REQUISITION: 655-B60014

Qty	Item Description
1	**ACUSON S3000 Mainframe** The ACUSON S3000(tm) ultrasound system mainframe is the new ultra-premium system in the expanding ACUSON S Family(tm) of ultrasound systems. It provides first access to the latest Siemens pioneering technologies. The ACUSON S3000 system is the gateway to Siemens' pioneering technologies now and in the future.
1	**S3000 VD10x SW** The ACUSON S3000(tm) ultrasound system software license provides access to the HELX Evolution with Touch Controls, workflow innovations, and a range of performance improvements. The ACUSON S3000TM ultrasound system software license provides access to the following advanced general imaging technologies included as standard: The Linear Release, Custom Tissue Imaging, eSieImageTM multiparametric optimization, Advanced SieClearTM spatial compounding (ASSC), Wireless DICOM reporting, Multi-modality Review (MMR), Clarify(tm) Vascular Enhancement (VE), TEQ(tm) ultrasound technology, SieScape(tm) and Color SieScape(tm) panoramic imaging, Data transfer to Nuance Powerscribe(r) 360 | Reporting, & Measurement Export.
1	**S3000 with Touch Control** The ACUSON S3000(tm) ultrasound system touch control package provides access to the HELX Evolution with Touch Controls and workflow innovations. This configuration option includes the hardware necessary for a touch display panel and a redesigned tactile control panel.
1	**S3000 VD10x Oper Sys, Eng** This configuration option includes the software operating system supporting Windows 7 for English speaking customers.
1	**S3000 VD10x English Keyboard** The ACUSON S3000(tm) ultrasound system Touch Control keyboard option provides access to a pull-out tactile QWERTY keyboard supported for various languages.
1	**S3000 115V Power Supply** Standard power supply for USA
1	**S3000 NTSC Video Interface**
1	**S3000 Liver Tissue Analysis USA** The Liver Tissue Analysis package combines qualitative Virtual Touch(tm) tissue imaging (VTi) visualization capabilities with the complementary quantitative measurement capability of Virtual Touch(tm) tissue quantification (VTq).

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	A new dimension of tissue structural information can now be obtained from a diagnostic ultrasound study of the liver, within routine ultrasound workflow. Using Acoustic Radiation Force Impulse (ARFI) techniques with sophisticated pulse formation and high speed computational algorithms, the comprehensive Liver Tissue Analysis package provides real-time dual display of relative tissue stiffness with the push of a button. Available with the 6C1 HD, 4V1, 4C1 and 9L4 transducers. Product pending shipment confirmation.
1	**VTQ S Family Addendum, USA, S2000**
1	**4V1 Transducer (MP), S3000** The 4V1 is a small footprint transducer featuring microCase(tm) miniaturization technology and can be used for a broad range of adult abdominal, OB/GYN, and fetal heart imaging applications. This transducer utilizes ACUSON(tm) patented micro-pinless connecter technology and Hanafy lens transducer technology to provide improved resolution and image uniformity. The 4V1 transducer delivers excellent detail and contrast resolution, high sensitivity in color and spectral Doppler modes, independent frequency selection across modes, superior ergonomic design for comfort and access.
1	**S3000 Linear Package** The ACUSON S3000(tm) ultrasound system Linear Release Package provides access to a bundle of features for breast and vascular applications. The Linear Release Package bundles the 9L4 transducer, 12L4 transducer, 18L6 HD transducer, and Virtual Touch(tm) IQ.
1	**6C1 HD Transducer, S3000** The 6C1 HD high-density array transducer will enhance the ACUSON S3000(tm) ultrasound system capabilities. It provides not only the fundamental imaging capabilities such as B-mode, Color and PW Doppler, Color Doppler Energy (CDE), Tissue Harmonic Imaging (THI) and TEQ(tm) ultrasound technology, but also supports advanced technologies such as Advanced SieClear(tm) Spatial Compounding (ASSC) and Dynamic TCE(tm) Tissue Enhancement Technology (DTCE). The transducer technology and design support a frequency range of 6MHz to 1MHz. Both fundamental and harmonic frequencies are supported. Maximum imaging depth is 30 cm.
1	**S3000 Gel Warmer** The ACUSON S3000(tm) ultrasound system touch control keyboard option provides access to an integrated gel warmer.
1	**S3000 VD10X GI Base Sys** The ACUSON S3000(tm) ultrasound system with general imaging configuration for customers seeking general imaging use only includes SieStream(tm) HD Architecture hardware imaging components which delivers performance enhancements in image quality, workflow, and sustainability.
1	**S Family Op Instr, VD10x, ENG**
1	**S Family Service Manual, VD10x**
1	**Ultrasound Apps Training 1 day included** One (1) Day System Installation Applications Training One day on-site general system installation applications training to include basic or advanced training on system and options. Extent and objective of training will be determined with the site prior to the training event. Specific options may require one additional no charge applications day. Additional training may be purchased.

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1	**Elevate Trade In Promotion**

Sequoia system, S/N 62974, with Transducers (15L8w and 6L3),

One complimentary biomedical tuition is included with the purchase of this system.

Offset Part 11147884 S Family Op Instr, VD10x, ENG (
Offset Part 11147913 S Family Service Manual, VD10x

Detailed Technical Specifications

Description

In keeping with the ultra-premium nature of the ACUSON S3000 system, key technologies with leading features such as Data Transfer to Nuance PowerScribe | 360 and Measurement Export are included. Also, the following software packages are included as standard on the mainframe:

- Advanced SieClear™ spatial compounding provides image quality with stellar detail and contrast resolution. Advanced SieClear compounding offers an industry first with 13 lines of site.

- Advanced SieClear spatial compounding in Color & Power Doppler enables ASSC when either Color or Power Doppler is active, bringing the Advanced SieClear spatial compounding image quality advantages to Doppler imaging (available in HELX (VC30) software level and above).

- eSieImage™* multi-parameter image optimization technology maintains image uniformity across all patient body types by adaptively compensating for varying tissue attenuation characteristics in real-time during scanning and allows gain and TEQ adjustments in post processing (available in HELX (VC30B*) software level and above)..

- Clarify™ Vascular Enhancement (VE) technology uniquely utilizes power Doppler flow information to enhance B-mode imaging. The Clarify VE technology option reduces slice thickness artifact in 2D throughout the field of view and reduces noise within macro and micro-vascular structures to further enhance tissue characterization and contrast resolution as well as improve boundary detection between tissues and clearly delineate vessel walls.

- TEQ™ ultrasound technology now offers a sophisticated solution for 2D and Spectral Doppler imaging optimization with a push of a button. TEQ ultrasound technology significantly reduces time spent optimizing imaging performance, while improving the consistency and quality of diagnostic exams.

- The ACUSON S3000 system Multi-modality Review software license enables side-by-side comparisons of ultrasound with CT and MR images. The rapid query, retrieval, and side-by-side comparison of multiple modalities may aid in the differential diagnosis of lesions and increase accuracy of follow-up measurements performed in the same plane as well as enhance workflow with immediate reference to CT/MR/Mammograms.

- The SieScape™ and Color SieScape™ panoramic imaging option allows real-time acquisition and display of B-mode panoramic images up to 240 cm in length or in angular measurements up to 180 degrees. Large organs and long vessels can be displayed in their full dimension.

- Data transfer to Nuance Powerscribe® 360 | Reporting enables the ACUSON S3000 ultrasound system to send measurement data at the end of the exam directly to Nuance PowerScribe 360 | Reporting via Nuance's Web Services API. The customer is responsible for set up and installation on the PowerScribe 360 | Reporting side (creation of custom fields for each desired ACUSON S3000 measurement field in the PowerScribe 360 | Reporting database and modification of customer reports to include those custom fields). Customers should contact their Nuance Sales Executive regarding Nuance fees and support services.

- Wireless Connectivity includes the hardware and software needed to enable wireless capabilities on the ACUSON S3000 system. This option is only being offered to qualifying sites that meet certain network

Description

specifications

For additional details regarding the ACUSON S3000 system software license or associated features please refer to the datasheet and/or specifications.

For additional details regarding the ACUSON S3000 system HELX Evolution with Touch Controls please refer to the datasheet and/or specifications.

For additional details regarding the ACUSON S3000 system English operating system please refer to the datasheet and/or specifications.

For additional details regarding the ACUSON S3000™ ultrasound system HELX™ Evolution with Touch Control keyboard option, please refer to the datasheet and/or specifications.

Virtual Touch applications* implement ARFI imaging technology to provide both qualitative regional and quantitative focal assessments of deep tissue stiffness. Conventional elastography provides information on tissue stiffness, and can provide a deeper understanding of lesion types. Virtual Touch applications* are independent of user variables, utilizing the pushing force inherent in an ultrasound pulse to compress the tissues and provide qualitative and quantitative measures of stiffness. An additional unique qualitative assessment can be provided over the area of interest with Virtual Touch Imaging*.

For detailed quantification of stiffness, the shear waves that arise laterally as a result of applying a push pulse can now be detected and their speed measured. As this speed is directly related to the stiffness of the tissue, a true quantitative value for stiffness can be obtained of either a lesion, or of the tissue itself, providing valuable information on relative tissue changes over time, or actual values for stiffness compared with surrounding tissues. The use of a specific ROI to select the precise location of interest, enhances accuracy. With measurements being obtained in a fraction of a second, workflow is not interrupted and the same transducer can be used as in the standard examination. An additional advantage is that no transducer calibration or additional servicing is required.

Together, the Virtual Touch applications (imaging and quantification)* provide new tools for tissue assessment, allowing a new dimension of diagnostic accuracy.
Export of the measurement data is supported through DICOM SR from the dedicated Liver Analysis report.

The 4V1 transducer extends over multiple applications providing a single-solution transducer.

For additional details regarding the ACUSON S3000 system Linear Release Package or associated features please refer to the datasheet and/or specifications.

For additional details regarding the ACUSON S3000 system HELX Evolution with Touch Controls integrated gel warmer please refer to the datasheet and/or specifications.

For additional details regarding the ACUSON S3000 system GI base system please refer to the datasheet and/or specifications.