

**THOR-LX (Mid-Male) / Hybrid III Retrofit
Version 3.2 User s Manual**

Table of Contents

1.	<u>THOR-LX / HIIIr Introduction</u>	
1.1	Introduction	1-1
1.2	Getting Familiar with the User s Manual	1-3
1.2.1	Section Organization	1-3
1.2.2	Conventions Used Throughout this Manual	1-4
2.	<u>THOR-LX / HIIIr Preparation and Use</u>	
2.1	General	2-1
2.1.1	Hardware and Fasteners	2-1
2.1.2	Tools Required	2-1
2.1.3	Bolt Torque Values	2-2
2.2	THOR-LX / HIIIr Main Assembly Serial Number	2-3
2.3	Part Numbers and Serial Numbers	2-3
2.4	Additional Reference Materials	2-3
3.	<u>THOR-LX / HIIIr Assembly</u>	
3.1	Description of the THOR-LX / HIIIr Assembly and Features	3-1
3.2	Assembly of the THOR-LX / HIIIr	3-1
3.2.1	Parts List	3-1
3.2.2	Assembly of THOR-LX / HIIIr Components	3-1
3.2.3	Assembly of the THOR-LX / HIIIr Unit to the Knee	3-17
3.3	Adjustments of the THOR-LX / HIIIr Assembly	3-19
3.4	THOR-LX / HIIIr Calibration	3-21
3.4.1	Ankle Rotary Potentiometer - Zeroing Procedure	3-21
3.5	Inspection and Repairs	3-23
3.5.1	Electrical Inspection	3-23
3.5.2	Mechanical Inspection	3-23

4. THOR-LX / HIIIr Instrumentation and Wiring

4.1	Overview of Instrumentation and Wiring	4-1
4.1.1	Available Instrumentation	4-1
4.1.2	Instrumentation Description	4-2
4.1.3	Standard Instrumentation Specifications	4-2
4.2	Wire Routing and Strain Relief	4-2
4.3	Wire Markers	4-4
4.4	THOR-LX / HIIIr Instrument Wiring	4-5
4.4.1	Commercial THOR-LX / HIIIr Sales	4-5
4.4.2	Leased THOR-LX / HIIIr Units	4-5
4.5	Instrumentation Excitation and Ground Requirements	4-6
4.6	Data Acquisition	4-7
4.7	THOR-LX / HIIIr Instrumentation - Polarity	4-8