

Updates to Flex PLI Manual Rev E to Rev F

Section	Section Description	Change or Addition	
		Humanetics logo removed from cover page and second page. Humanetics ref is also removed in footer note	v2
		Index revised	v2
		In general commercial names have been removed from text, e.g Loctite, Nyloc, Teflon	v2
	1 Introduction	Two small paragraphs were added, one describing the general components in the leg and the other an outline of the manuals structure	
	1,2 Tools & Recommended spares	Recommended spares added to section heading. Figure 6 replaced with picture of 133-8129 was 133-8114	
	1,3 Screw abreiviations	Added table 2	
	1,4 Torque requiements	Added table 3	
	1,5 Recommended spares	Added table 4	
	2,1 Standard 12 channel Instrumentation	Added comment in introduction on femur corridors Injury assesment added to ACL and PCL not monitoring in table 5. Also in table 5 Tibia top acceleration AX corrected to Knee bottom acceleration	
	2,2 Optional Instrumentation	133-7545 added as mirrored option for improved wire routing	
	2,3 ISO codes	In table 8 knee bottom acceleration ISO code corrected with an AC not a CA	
	2.3.2 Signal polarity, sensor function check	Added comment on ACL and PCL being initially negative when manually handled	
	2.6 to 2.10 Onboard DAS systems	Onboard DAS systems have been removed	v2
	3 Disassembly and Assembly	Section heading changed from Assembly and disassembly to Disassembly and Assembly as this would be more correct order for users	
	3,1 Leg Disassembly	Section starts with leg assy not femur, disassembly	
	3.1.2 Leg assembly	Assembly now after disassembly	
	3.2.1 Femur	Femur disassembly first	
	3.2.2 Femur (upper leg) Assembly	Assembly after disassembly	
	3.3.1 Knee disassembly	Tibia disassembly first. Item 23 added to figure 61 and table 11. Item 8 quantity reduced to 8 not 16	
	3.3.2 Knee assembly	Assembly after disassembly	
	3.4.1 Tibia disassembly	Tibia disassembly first	
	3.4.2 Tibia assembly	Assembly after disassembly	
	3.4.4 Fitting flesh covers	Figure 70 added along with revised flesh fitting as per OICA recommendation in GTR9-8-13	
	3.4.5 Flesh disassembly	Wording corrected	v2

5 Storage	New section paragraph added	
6 Weight specification	Comment added that leg must meet weight spec for regulation, certification and car testing Old table 11 sensor weights removed	
7,3 Knee certification	In figure 86 units corrected to Newtons from mm	
8,1 Pendulum Certification - Introduction	Comment added regarding zero crossover timing. Comment added that certification should be done with onboard DAS	
8,2 Pendulum rig assembly instruction	Humanetics pendulum rig assembly instruction section has been removed	v2
Leg preparation for pendulum dynamic		
8.2 was 8.3 calibration	Leg preparation sequence revised as per recommendation by OICA in GTR9-8-13	v2
8.3 was 8.4 Pendulum rig preparation	In figure 94 meniscus position corrected and 101 ±2 dim added to control size of impact face	v2
8.5 was 8.6 Data processing pendulum	Decimal point added to some corridor ligament channels in table 16 to have consistent numbering	v2
8.6 was 8.7 Pendulum Femur Corridors	Zero crossover timing corridors added as requested by JASIC	v2
9,1 Dynamic Inverse Certification test	Comment on femur corridors added along with note to test with onboard DAS.	
Leg Preparation for dynamic inverse		
9,5 test	Step sequence revised to OICA recommendation in GTR9-8-13	
9,7 Data processing inverse	Decimal point added to some corridor ligament channels in table 17 to be consistent	v2
9,8 Inverse Femur corridors	Added zero crossover timing corridors, as requested by JASIC	
10,2 Injury thresholds	Injury thresholds table 18 added	v2