

	QTY.	Part Description	DataSheet	
Joint 1				
	2	Limit Switch	http://www.mouser.com/catalog/specsheets/E51_Series.pdf	
	1	Gear motor	https://docs.google.com/viewer?a=v&pid=explorer&chrome=true&srcid=0B9oa10N-5aDaOTJkYzNjNDgtMDUzMS00YmRhLWE1MzMtNjQ2N2I4NDM5MjE3&hl=en_US	
	1	Magnetic Encoder (RMB300SI)	http://www.rls.si/document/RMB30D01.pdf	
Joint 2				
	2	Limit Switch	http://www.mouser.com/catalog/specsheets/E51_Series.pdf	
	1	Gear motor	https://docs.google.com/viewer?a=v&pid=explorer&chrome=true&srcid=0B9oa10N-5aDaOTJkYzNjNDgtMDUzMS00YmRhLWE1MzMtNjQ2N2I4NDM5MjE3&hl=en_US	
	1	Magnetic Encoder (RMB30SI)	http://www.rls.si/document/RMB30D01.pdf	
Joint 3				
	1	300 deg Potentiometer (P232)	http://www.bitechnologies.com/pdfs/p232.pdf	
	1	AX-12	http://www.crustcrawler.com/products/bioloid/docs/AX-12.pdf	
Interchangeable Joints				
Configuration 1 (Equipment Servicing)				
	1	300 deg Potentiometer (P232)	http://www.bitechnologies.com/pdfs/p232.pdf	
	1	AX-12	http://www.crustcrawler.com/products/bioloid/docs/AX-12.pdf	
	2	Voltage Reading Plates		
	1	Vibration Motor	http://www.mouser.com/ProductDetail/Autotrol/052-0010AD/?qs=sGAEpiMZZMvuFyKEiodORsPMP4lpwWQM9fx3Xx3cERs%3d	*This is a 12VDC motor, but we can run it on the 9.5 Rail voltage for the AX-12s
	3	Pin Hole Camera	TBD	
Configuration 2 (Soil Sample)				
	1	AX-12	http://www.crustcrawler.com/products/bioloid/docs/AX-12.pdf	
	1	Pin Hole Camera	TBD	