PRICE LIST – LIQUID ROBOTICS, A BOEING COMPANY

Version: Q3 2023

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Product Type ↑	Product Code	Product Name	List Price	Product Description
ADCP	12937-01	ADCP, WORKHORSE II MONITOR 300KHz, WITH BOTTOM TRACKING	$45,000.00	Kit includes a Teledyne Workhorse II Monitor 300kHz Acoustic Doppler Current Profiler (ADCP), hardware to mount it, and SMC sensor management software and configurations. A Liquid Robotics SMC Integrated Payload is required and not included.
	12937-02	ADCP, WORKHORSE II MONITOR 600KHz WITH BOTTOM TRACKING	$45,000.00	Kit includes a Teledyne Workhorse II Monitor 600kHz Acoustic Doppler Current Profiler (ADCP), hardware to mount it, and SMC sensor management software and configurations. A Liquid Robotics SMC Integrated Payload is required and not included.
	04259	BRACKET, ADCP	$315.00	
CTD	09446	Kit, Mounting Hardware, Seabird Glider Payload CTD [not included] and Dissolved Oxygen [not included], v200 or v300 Sub	$10,625.00	Kit includes the hardware required to mount a Seabird Glider Payload CTD and SBE 43F Dissolved Oxygen sensor to a v200 or v300 sub, and the necessary SMC1 sensor management software and configurations. A Liquid Robotics SMC1 Integrated Payload, the Thrudder-to-CTD cable, and the sensors are required and not included.
	10750	Kit, Mounting Hardware, Seabird Glider Payload CTD [not included] and Dissolved Oxygen [not included], SV3 Float, Souriau bulkhead	$10,625.00	Kit includes the hardware required to mount a Seabird Glider Payload CTD and SBE 43F Dissolved Oxygen sensor to a SV3 float, and SMC sensor management software and configurations. A Liquid Robotics SMC Integrated Payload, the Payload-to-CTD cable, and the sensors are required and not included.
	10752	Kit, Seabird Glider Payload CTD and Dissolved Oxygen, SV3 Float Mount, Souriau bulkhead	$37,500.00	Kit includes the hardware required to mount a Seabird Glider Payload CTD and SBE 43F Dissolved Oxygen sensor to a SV3 Float, and the necessary SMC sensor management software and configurations. A Liquid Robotics SMC Integrated Payload is required and not included.

	10751	Kit, Seabird Glider Payload CTD, SV3 Float Mount, Souriau bulkhead	$37,500.00	Kit includes the hardware required to mount a Seabird Glider Payload CTD to a SV3 Float, and the necessary SMC sensor management software and configurations. A Liquid Robotics SMC Integrated Payload is required and not included.
	11868-02	Kit, Seabird Glider Payload CTD, SV3 Skeg Mount, Souriau bulkhead, 2 m cable	$37,500.00	Kit includes the hardware required to Skeg mount a Seabird Glider Payload CTD sensor, 2 meter cable. Necessary SMC sensor management software and configurations is also included. A Liquid Robotics SMC Integrated Payload is required and not included.
	11868-03	Kit, Seabird Glider Payload CTD, SV3 Skeg Mount, Souriau bulkhead, 2.5 m cable	$37,500.00	Kit includes the hardware required to Skeg mount a Seabird Glider Payload CTD sensor, 2.5 meter cable. Necessary SMC sensor management software and configurations is also included. A Liquid Robotics SMC Integrated Payload is required and not included.
	11868-05	Kit, Seabird Glider Payload CTD and Dissolved Oxygen, SV3 Skeg Mount, Souriau bulkhead, 2 m cable	$43,750.00	Kit includes the hardware required to Skeg mount a Seabird Glider Payload CTD and SBE 43F Dissolved Oxygen sensor, 2 meter cable. Necessary SMC sensor management software and configurations is also included. A Liquid Robotics SMC Integrated Payload is required and not included.
	10319	Glider Payload, CTD, Plastic, 350dBar, Fast Pump	$20,000.00	Seabird Glider Payload CTD (350 db sensor).
	09450	Kit, Seabird Glider Payload CTD and Dissolved Oxygen, v300 Sub Mount	$33,750.00	Kit includes the hardware required to mount a Seabird Glider Payload CTD and SBE 43F Dissolved Oxygen sensor to a v300 sub, and the necessary SMC1 sensor management software and configurations. A Liquid Robotics SMC1 Integrated Payload is required and not included.
	09449	Kit, Seabird Glider Payload CTD, v300 Sub Mount	$25,000.00	Kit includes the hardware required to mount a Seabird Glider Payload CTD to a v300 sub, and the necessary SMC1 sensor management software and configurations. A Liquid Robotics SMC1 Integrated Payload is required and not included.
Electronic Assemblies & Accessories	07496	PCBA, AMPS IGM 2.0	$1,375.00	

LIQUID ROBOTICS
A Boeing Company

	Part No.	Description	Price	Notes
	07028	PCBA, AMPS HIGH VOLT, 6X UNREG VCONS	$2,500.00	Updated from initial 04727 SV3 release issues of:1) Inoperative current measurement on HV ports when connected through 'feature' connector2) Conflicting I2C addressing for module power consumption monitoring (logic power)
	10406	Kit, AMPS Carrier, 3MPU	$940.00	Includes AMPS carrier, mounting hardware, spare standoffs, and Loctite.
	07847	PCBA, PDC SV3 VERSION 2.0	$875.00	RMA or Maintenance Training Required.
	09746	PCBA, AMPS BRIDGE MODULE 3.0	$1,250.00	
	09746-01	PCBA, AMPS BRIDGE MODULE 3.0 - APU Variant	$1,250.00	
	04188	PCBA, AMPS - Solar Panel Input	$250.00	This Adaptable Modular Power System (AMPS) Module is capable of plugging directly into any AMPS Backplane and accepting a voltage input to put power into the AMPS domain.
	07913	AMPS Board Removal Kit	$625.00	Kit includes a pair of AMPS board removal tools. This kit simplifies removal of AMPS boards from payload boxes.
	04189	PCBA, AMPS - 13.4V Regulator	$1,125.00	This Adaptable Modular Power System (AMPS) Module is capable of plugging directly into any AMPS Backplane and has six 13.4V outputs that can be controlled individually.
Fluorometry	10753	Kit, Mounting Hardware, Turner C3 Fluorometer [not included], SV3 Float, Souriau bulkhead	$20,000.00	Kit includes a hardware to mount a Turner C3 Fluorometer, and the SMC sensor management software and configurations. Kit occupies two (2) Modular Payload Unit (MPU) bays and requires modification to the float. A Liquid Robotics SMC Integrated Payload is required and not included.
	01385-01	Turner C3 Fluorometer (Ref Fuels, CDOM, Turbidity)	$13,750.00	Sensor only. Ch1: Refined Fuels Ch2: CDOM Ch3: Turbidity
	01385-02	Turner C3 Fluorometer (Ref Fuels, Crude Oil, CHLOROPHYLL A)	$13,750.00	Sensor only. Ch1: Refined Fuels Ch2: Crude Oil Ch3: CHLOROPHYLL A
	01385-03	Turner C3 Fluorometer (CHL-A, Crude Oil, Turbidity)	$9,690.00	Sensor only. Ch1: CHL-A Ch2: Crude Oil Ch3: Turbidity
	01385-04	Turner C3 Fluorometer (CHL-A, Turbidity, CDOM)	$9,690.00	Sensor only. Ch1: CHL-A Ch2: Turbidity Ch3: CDOM
	01385-05	Turner C3 Fluorometer (CHL-Red, Turbidity, Phycoerythrin)	$10,625.00	Sensor only. Ch1: CHL-Red Ch2: Turbidity Ch3: Phycoerythrin

LIQUID ROBOTICS
A Boeing Company

Category	Part #	Description	Price	Notes
	01385-10	Turner C3 Fluorometer (Chlorophyll A, Phycoerythrin, Refined fuels)	$13,750.00	Sensor only. Ch1: Chlorophyll A Ch2: Phycoerythrin Ch3: Refined fuels
	01385-09	Turner C3 Fluorometer (Chlorophyll A, Tryptophan, CDOM)	$12,190.00	Sensor only. Ch1: Chlorophyll A Ch2: Tryptophan Ch3: CDOM
	01385-08	Turner C3 Fluorometer (Chlorophyll A, Refined fuels, CDOM)	$13,750.00	Sensor only. Ch1: Chlorophyll A Ch2: Refined fuels Ch3: CDOM
Launch & Recovery	01838	Mooring Hook	$95.00	Requires boat hook with mooring hook holder or standalone mooring hook holder. Proof load tested to 4,000lbs.
	10529	Kit, Recovery Buoy Release	$1,565.00	Includes recovery buoy release assembly, and mounting hardware. Recovery buoy, and recovery line are not included.
	10583	Kit, Rapid Stand & Rapid Stand Launch Kit, Soft Gear	$1,000.00	Includes soft gear for Rapid Stand and Rapid Stand Launch Kit: float strap, sub strap, launch bridle, and release line.
	10602	Rapid Crate 20 Foot Blue E-Track Ratchet Strap	$25.00	20 Ft Blue E-Track Ratchet Strap
	08931	Launch Strap, for Legacy Stand	$350.00	
	08937	Kit, Legacy Stand Launch Kit	$2,190.00	Launch kit for use with legacy stand.
	05351	Kit, Recovery	$2,815.00	Includes the Sub recovery mechanism, lifting strap, and hook.
	09597	Ratchet Buckle for the Rapid crate	$60.00	
	05768	Heavy-Duty Telescoping Boat Hook with Mooring Hook Holder	$95.00	Capable of being extended from 6' to 14' to retrieve moorings or to pick up overhead items. Construction features oversized anodized-aluminum tubes for greater strength and stiffness. The co-molded, soft-tipped hook prevents scratches while fending off. Twist grips enable easy length adjustments. A Mooring hook holder has been mounted to the hook. Mooring hook not included.
	10777	Assembly, Launch Bridle, Rapid Stand	$2,000.00	Assembly for launching/lifting the rapid stand with integrated 3rd leg release.
	09328	Kit, Rapid Stand Launch	$250.00	Kit contains Rapid Stand launch bridle and release line. Does not support stern mast mounts.
	05220	Kit, Misc Hardware, v100/200/300	$750.00	Kit of items commonly used when repairing a Wave Glider SV3. Includes screws, nuts, washers, Loctite, grease and other miscellaneous hardware.

Category	Part #	Description	Price	Notes
Masts & Antennas	09468	Kit, Mast Mounting Hardware	$100.00	A set of five (5) plus one (1) spare hardware to attach a mast to the mast plate and stern mast mount. This kit does not include Loctite. Note, included with mast kits.
	10534	Kit, Mast Mounting Hardware, Mast Plate	$40.00	A set of five (5) plus one (1) spare hardware to attach a mast to the mast plate. This kit does not include Loctite.
	10535	Kit, Mast Mounting Hardware, Stern Mount	$75.00	A set of five (5) plus one (1) spare hardware to attach a mast to the stern mast mount. This kit does not include Loctite.
	10054-03	Kit, GPS L1 Patch Antenna, Souriau #10 RF, 1.25m Whip, 0.5m Mast	$3,125.00	Whip length is non-standard. Kit includes an antenna, mast, and mounting hardware, less Loctite.
	10054-05	Kit, GPS L1 Patch Antenna, Souriau #10 RF, 2m Whip, 0.5m Mast	$3,125.00	Kit includes an antenna, mast, and mounting hardware, less Loctite.
	10036-05	Iridium Patch Antenna, Souriau #10 RF, 2m Whip	$1,875.00	Does not include mast.
	10040-05	Kit, Iridium Patch Antenna, Souriau #10 RF, 2m Whip, 0.5m Mast	$2,500.00	Kit includes an antenna, mast, and mounting hardware, less Loctite.
	09638	Kit, Mast, Straight, OD 1.6in x 0.3m	$815.00	Kit includes a mast and mounting hardware, less Loctite.
	09639	Kit, Mast, Straight, OD 1.6in x 0.8m	$875.00	Kit includes a mast and mounting hardware, less Loctite.
	10057	Kit, Cell Antenna, Robust, Souriau #10 RF, 1.25m Whip, 0.5m Mast	$2,815.00	Kit includes an antenna, mast, and mounting hardware.
	09300	GPS L1 Patch Antenna, Serial output, Souriau #10 9-Pin Male Connector	$2,250.00	Does not include mast.
	09470	Kit, Mast, Tapered, 1in ID x 1m length	$875.00	Kit includes a mast and mounting hardware, less Loctite.
	09469	Kit, Mast, Tapered, 1in ID x 0.5m length	$815.00	Kit includes a mast and mounting hardware, less Loctite.
Payloads	08571	Kit of 3 Spare Tube Couplers for Use with Pressure Port Fill Valve	$40.00	Kit of 3 spare tube coupler valves for use with pressures port fill valve on MPU, CCU, APU.
	10629-01	1MPU Souriau Payload, S-Band mesh radio (Wave Relay)	$12,500.00	1MPU Souriau payload box housing an embedded S-Band mesh radio (Wave Relay) with 3 external antenna ports. Power, Ethernet and control are supplied via an Expansion Port cable. Expansion port cable is not included.

LIQUID ROBOTICS
A Boeing Company

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10052-03	1MPU Souriau Payload w/SMC2, GPSWaves sensor and mast	$35,000.00	1MPU souriau payload box housing a SMC2 computer, GPS waves sensor and mast, Ethernet switch, and an extra connector for optional Ethernet and power pass-through to an additional payload box. Expansion port cable included.
12948	Kit, Sonardyne 6G, ACOMMS-only, SV3 v300	$40,000.00	this kit contains all the parts necessary to build a Sonardyne 6G, ACOMMS-only system.
12898	Kit, Sonardyne 6G, GPS-A, SV3 v300	$45,000.00	Includes an Integrated 3MPU Souriau payload for a SV3 v300 vehicle, Sonardyne Integrated Transducer with mounted skeg, two GPS antennas, and two masts with installation hardware. RUDICS modem is required but not included.
05057	Wave Glider SV3 3-MPU O-Ring	$35.00	Replacement O-Ring used to seal to perimeter of a 3-Modular Payload Unit (3-MPU) box.
10019	AMPS Payload, 3MPU, Souriau	$4,065.00	This sub-assembly includes the box and 3MPU AMPS backplane, PDC, & Bridge with a Souriau bulkhead connector.
08887	AMPS Payload, 1MPU, Souriau	$3,125.00	This sub-assembly includes the box and 1MPU AMPS backplane, PDC, & Bridge with a Souriau bulkhead connector.
06019	Empty Payload, 3MPU	$1,875.00	Includes lid, tub, slides, o-ring, handle, pressure port, and associated miscellaneous hardware.
06323	Empty Payload, 1MPU	$1,125.00	Includes lid, tub, slides, o-ring, handle, and pressure port.
09989-03	Liquid Robotics Integrated Payload, 3MPU SMC 2.0, Souriau (2x Souriau RF)	$12,190.00	This is the Liquid Robotics Integrated 3MPU SMC 2.0 solution with Souriau bulkhead connectors, configured for three (2) Souriau RF bulkheads.
09989-07	Liquid Robotics Integrated Payload, 3MPU SMC 2.0, Souriau (ADCP, FLOAT-CTD)	$12,190.00	This is the Liquid Robotics Integrated 3MPU SMC 2.0 solution with Souriau bulkhead connectors, configured for an ADCP and Float CTD. An ADCP and CTD kits are required and not included. Expansion port cable, debug cable, and sensor/payload kits are not included.

LIQUID ROBOTICS
A Boeing Company

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10052-04	Payload For Integrators, 1MPU SMC 2.0, Souriau (GPSWaves)	$10,940.00	This is the Integrator 1MPU SMC 2.0 solution with Souriau bulkhead connectors (GPSWaves). It contains a SMC 2.0 kit, AMPS subassembly, buck boost board, and spare high voltage board. Expansion port and debug cables are not included.
10512	Wave Glider SV3 1-MPU O-Ring	$35.00	Replacement O-Ring used to seal to perimeter of a 1-Modular Payload Unit (1-MPU) box
09989-06	Liquid Robotics Integrated Payload, 3MPU SMC 2.0, Souriau (GPSWAVES, RFx2, 13-PIN, 7/16 HOLE)	$12,190.00	This is the Liquid Robotics Integrated 3MPU SMC 2.0 solution with Souriau bulkhead connectors (custom: GPSWAVES, RFx2, 13-PIN, 7/16 HOLE) Expansion port cable, debug cable, and sensor/payload kits are not included.
09989	Payload For Integrators, 3MPU SMC 2.0, Souriau	$11,250.00	This is the Integrator 3MPU SMC 2.0 solution with Souriau bulkhead connectors. It contains a SMC 2.0 kit, AMPS subassembly, high voltage board, and spare buck boost board. Expansion port and debug cables are not included.
09989-ROM	Liquid Robotics Integrated Payload, 3MPU SMC 2.0, Souriau	$12,190.00	This is the Liquid Robotics Integrated 3MPU SMC 2.0 solution with Souriau bulkhead connectors. It contains a SMC 2.0 kit, AMPS subassembly, and required voltage regulation board. Expansion port and debug cables are not included. A Purchase Order cannot be accepted with this part number.
10052	Payload For Integrators, 1MPU SMC 2.0, Souriau	$10,000.00	This is the Integrator 1MPU SMC 2.0 solution with Souriau bulkhead connectors. It contains a SMC 2.0 kit, AMPS subassembly, buck boost board, and spare high voltage board. Expansion port and debug cables are not included.
10052-ROM	Liquid Robotics Integrated Payload, 1MPU SMC 2.0, Souriau	$10,940.00	This is the Liquid Robotics Integrated 1MPU SMC 2.0 solution with Souriau bulkhead connectors. It contains a SMC 2.0 kit, AMPS subassembly, and required voltage regulation board. Expansion port and debug cables are not included. A Purchase Order cannot be accepted with this part number.
10180	Kit, Drill Jig, 1MPU & 3MPU	$2,190.00	Includes jigs for 1MPU & 3MPU, and hardware necessary to properly drill holes for bulkhead connectors.

	09989-01	Liquid Robotics Integrated Payload, 3MPU SMC 2.0, Souriau (GPSWaves)	$12,190.00	This is the Liquid Robotics Integrated 3MPU SMC 2.0 solution with Souriau bulkhead connectors, configured for GPSWaves. A GPSWaves kit is required and not included. Expansion port cable, debug cable, and sensor/payload kits are not included.
Training				
	09594	Wave Glider Maintenance Training	$3,750.00	Three-day training conducted at Liquid Robotics Marine Operations Center in Hawaii for a minimum of six (6) attendees, a maximum of eight (8) attendees, and priced on a per-seat basis. This is a training class to learn how to perform regular maintenance. Properly qualified participants will have experience with launch and recovery of other marine gear, the ability to troubleshoot complex mechanical and electrical components, and be computer capable.
	09592	Wave Glider Operator Training	$3,750.00	Three-day training conducted at Liquid Robotics Marine Operations Center in Hawaii for a minimum of five (5) attendees, a maximum of six (6) attendees, and priced on a per-seat basis.
Umbilicals	09548	Kit, Bearings, Umbilical Wide U-Joint	$625.00	Kit includes the required hardware to replace the top and bottom u-joint bearings.
	10836-08	Wave Glider v300 Molded section, 8 meter	$33,125.00	Molded assembly (8 meter) for the Wave Glider v300 (Souriau). Upper, lower brackets along with the mounting hardware is not included.
	09883-08	Wave Glider 8 meter Umbilical with Wide U-joints v300 / Thrudder 3.0	$43,750.00	Wave Glider 8 meter Umbilical with Wide U joints, v300 for Thrudder 3.0. This kit contains umbilical and hardware required spare the umbilical locking plate and bolts.
	12006	Kit, Umbilical Mounting Hardware, v300 Block 2 Sub	$815.00	Kit includes locking plates, six (6) hex head screws, SAF-T-EZE, safety wire, four (4) nylock nuts, and four (4) cotter pins for motion isolator & center bale.
	09882	Kit, Umbilical Mounting Hardware, v200/300 Sub	$815.00	Kit includes locking plates, six (6) hex head screws, SAF-T-EZE, safety wire, four (4) nylock nuts, and four (4) cotter pins for motion isolator & center bale.

Wave Height	10063	Kit, GPSWaves-IMU (GX5-45), Robust, Souriau 9-Pin connectors, 0.5m Mast, SMC2	$8,750.00	Kit includes GPSWaves-IMU hardware in a robust enclosure, mast, mounting hardware, and necessary SMC2 sensor management software and configurations for the GPSWaves-IMU, utilizing a 3DM-GX IMU. Does not include the required Liquid Robotics SMC2 Integrated Payload for the GPSWaves-IMU.
Vehicles, Configured	11230-02-DOD	Wave Glider SV3 V300 Block 2 (8m Umbilical) WX & Cell, Rapid Stand & Crate - DOD	$343,750.00	Includes a high buoyancy float, DOD Command & Control Unit (CCU) 4G and DISA Tracker, 75 watt solar panels, 8m umbilical, sub, Painted Thrudder 3.0 charge & debug kit, misc hardware, and Pelican case. Configurations includes a weather station (configurable lights), cell antenna, Rapid Stand, Rapid Launch Kit, and recovery kit. Ships in a Rapid Crate.
	11230-02	Wave Glider SV3 V300 Block 2 (8m Umbilical) WX & Cell, Rapid Stand & Crate	$337,500.00	Includes a high buoyancy float, Command & Control Unit (CCU) 4G, 75 watt solar panels, 8m umbilical, sub, Painted Thrudder 3.0 charge & debug kit, misc hardware, and Pelican case. Configurations includes a weather station (configurable lights), cell antenna, Rapid Stand, Rapid Launch Kit, and recovery kit. Ships in a Rapid Crate.
	11230-01	Wave Glider SV3 V300 Block 2 (8m Umbilical) Rapid Stand & Crate	$327,500.00	Includes a high buoyancy float, Command & Control Unit (CCU) 4G, 75 watt solar panels, 8m umbilical, sub, Painted Thrudder 3.0 charge & debug kit, misc hardware, and Pelican case. Configurations includes Rapid Stand and Rapid Crate. Recovery device is not included.
	11230-50	Wave Glider SV3 V300 Block 2 (8m Umbilical) Legacy Stand	$312,500.00	Includes a high buoyancy float, Command & Control Unit (CCU) 4G, 75 watt solar panels, 8m umbilical, sub, Painted Thrudder 3.0 charge & debug kit, misc hardware, and Pelican case. Ships in Wooden boxes and comes with a Legacy Stand / Saddle. Recovery Device not included.

Category	Part #	Description	Price	Notes
	11230-51	Wave Glider SV3 V300 Block 2 (8m Umbilical) WX & Cell, Legacy Stand	$322,500.00	Includes a high buoyancy float, Command & Control Unit (CCU) 4G, 75 watt solar panels, 8m umbilical, sub, Painted Thrudder 3.0 charge & debug kit, misc hardware, and Pelican case. Configurations includes a weather station (configurable lights), cell antenna and a recovery kit. Ships in Wooden boxes and comes with a Legacy Stand / Saddle.
Bulkhead Connectors	10215	Kit, Bulkhead Connector, Souriau, 9-Pin, Female (#10 Shell)	$315.00	This kit contains all of the parts necessary to install the bulkhead connector in an existing hole.
	10231	Kit, Bulkhead Debug Port Connector, Souriau, SMC2, 13-Pin, Female (#14 Shell)	$565.00	This kit contains all of the parts necessary to install the bulkhead connector in an existing hole and connect it to the SMC2.
	10216	Kit, Bulkhead Connector, Souriau, RF (#10 Shell)	$410.00	This kit contains all of the parts necessary to install the bulkhead connector in an existing hole.
	10213	Kit, Bulkhead Connector, Souriau, 13-Pin, Female (#14 Shell)	$375.00	This kit contains all of the parts necessary to install the bulkhead connector in an existing hole.
	10229	Kit, Bulkhead Expansion Port Connector, Souriau, 13-Pin, Female (#14 Shell)	$565.00	This kit contains all of the parts necessary to replace an expansion port connector with CAN and Ethernet SAMTEC connectors, and ferrules for V-Produce, V-Consumer, and Gnd.
Dummy Plugs	09339	Kit, Dummy Plug, Souriau, #10 Shell, Receptacle	$65.00	This kit contains all of the parts necessary to install a dummy plug into an existing bulkhead connector. BER10PLY equivalent.
	09340	Kit, Dummy Plug, Souriau, #14 Shell, Receptacle	$65.00	This kit contains all of the parts necessary to install a dummy plug into an existing bulkhead connector. BER14PLY equivalent.
Floats	08060	Resilient Tracker	$4,065.00	An independently powered, self-contained satellite transceiver featuring independent dual GPS and Iridium patch antennas (9603N) so that in the event the surface expression is flipped over, the unit will continue to record its position. Cap, mounting hardware and foam insert not included.
	04457	FOAM, ADCP, SV3	$225.00	FOAM, ADCP, SV3
	08012	Float Assembly, High Buoyancy, v300	$68,750.00	Includes the motion isolator, the water speed sensor, the octopus cables, a full set of 1-Modular Payload Unit (1-MPU) foam spacers, and a resilient tracker.

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	08628	Kit, SV3, Float Skeg	$565.00	Kit contains a float skeg, mounting hardware, and Loctite.
	09579	Foam, Water Speed, v300	$250.00	
	10549	Kit, Water Speed Sensor, v300	$1,875.00	Kit includes water speed sensor with mounting hardware.
	09741	Kit, Motion Isolator Pin	$100.00	Kit includes motion isolator pin with mounting hardware.
	11943	Deck Cover 1MPU for additional mast points	$940.00	Reinforcement (G10) cover plate for the Deck Cover (1MPU) which provides additional mast mounting points. This plate is installed instead of the regular Deck cover.
	09818	Mast Mount, Stern	$315.00	Includes installation hardware . Provides one (1) mast mount. Requires float serial numbers 283 and greater. Does not include mast mounting hardware.
	08060-DOD	Resilient Tracker (DISA)	$7,190.00	An independently powered, self-contained DISA satellite transceiver featuring independent dual GPS and Iridium patch antennas (9603N) so that in the event the surface expression is flipped over, the unit will continue to record its position. Cap, mounting hardware and foam insert not included.
	09303	ADCP Fiberglass Cutout with Foam	$565.00	
	09445	Kit, Payload Retention Clips	$150.00	A kit of twenty (20) payload retention clips required for a complete retrofit, plus two (2) spare clips for a total of twenty two (22) clips. Kit also includes two (2) inserts and and insert tool needed to modify the fore end of the aft payload bay.
	09891	Kit, Frameless Solar Panel Hold-Downs, v300	$125.00	Kit includes two frameless hold-downs, and mounting hardware.
	09729	Kit, Resilient Tracker Cover	$65.00	Kit includes cover with mounting hardware.
	04454	Foam, 1MPU Spacer	$65.00	
Thrudders	06863	Kit, Thruster Blades, Thrudder 1.0, 1.5, & 3.0	$440.00	Kit includes blades with mounting hardware.
	09546	Kit, Thruster Blades & Spinner, Thrudder 3.0	$815.00	Kit includes replacement blades and spinner with mounting hardware.
	09531	Kit, Thrudder 3.0, Fin	$190.00	Thrudder 3.0 replacement fin with mounting hardware and Loctite.
	09534	Kit, Thrudder 3.0, Top Fairing	$440.00	Thrudder 3.0 replacement top fairing with mounting hardware and Loctite.

LIQUID ROBOTICS
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	09536	Kit, Thrudder 3.0, Bottom Fairing	$500.00	Thrudder 3.0 replacement bottom fairing with mounting hardware and Loctite.
	11237	Thrudder 3.0, v300 Block 2 (Painted)	$43,750.00	Includes a full Thrudder 3.0 Copper Painted. Mounting hardware not included.
	12007	Kit, Thrudder 3.0 Mounting Hardware to v300 Block 2 Sub	$315.00	Kit includes mounting hardware and loctite to attach Thrudder 3.0 to v300 Block 2 sub.
	12009	Kit, Thrudder 3.0, Side Fairing (Port or Starboard) v300 Block 2	$625.00	Thrudder 3.0 replacement side fairing (port or starboard) with mounting hardware and Loctite.
	12010	Kit, Thrudder 3.0, Top Fairing v300 Block 2	$440.00	Thrudder 3.0 replacement top fairing with mounting hardware and Loctite.
	12011	Kit, Thrudder 3.0, Bottom Fairing v300 Block 2	$500.00	Thrudder 3.0 replacement bottom fairing with mounting hardware and Loctite.
	09552	RMA Kit, Thrudder 3.0	$625.00	Kit includes common RMA components for Thrudder 3.0. RMA or Maintenance Training Required.
	09785	Kit, Thrudder 3.0 Mounting Hardware to v300 Sub	$315.00	Kit includes mounting hardware and loctite to attach Thrudder 3.0 to v300 sub.
Subs	07748	Wing Shaft, Quick Release, v200 & v300 Subs	$125.00	Single quick release wing shaft for v200 & v300 sub.
	09543	Kit, v300 Sub, Wing Spring Set	$2,500.00	Kit of seven (6 + 1 extra) wing spring with mounting hardware for v300 Sub.
	11379	Single quick release wing for v300 Block 2 sub.	$1,565.00	v300 Block 2 quick release wing. Wings shafts not included.
	11244	Wave Glider v300 Block 2 Sub Assembly	$75,000.00	Full v300 Block 2 sub assembly including the quick release wings and the necessary hardware to mount a thrudder and an umbilical onto the sub, less safety wire and loctite. Thrudder and Umbilical not included.
	12008	Kit, v300 Block 2 Sub, Thrudder Cable Fairing	$690.00	Kit contains thrudder cable cover fairing, mounting hardware, and loctite.
	07907	Sub Assembly, v300	$75,000.00	Includes the necessary hardware to mount a thrudder and an umbilical onto the sub, less safety wire and loctite. Thrudder not included.

	09556	Kit, v200 & v300 Sub, Quick-Pull-Release Wing	$1,565.00	Single quick release wing for v200 & v300 sub. Wings shafts not included.
Cables	07425-01	Cable, Souriau #14 Shell 13-Pin, 1m	$875.00	
	07425-02	Cable, Souriau #14 Shell 13-Pin, 2m	$940.00	
	07579-02	Cable, Souriau #10 Shell 9-Pin, 2m	$625.00	
	09378	Kit, Cable, Souriau #10 Shell 9-Pin to Micro-wet-mate MCIL-8-MP, 2m	$750.00	Kit includes cable, MCDLS-M, MCDLS-F, sealed locking sleeve, and non-locking sleeve.
	09738	Kit, Cable, Octopus 1, SV3 v100/200	$1,565.00	Kit includes Octopus 1 cable with mounting hardware, locking sleeves, non-locking sleeves, grease, and Loctite.
	08227-04	Cable, Souriau #10 RF to SMA, 1.5m	$690.00	
	08227-05	Cable, Souriau #10 RF to SMA, 2m	$690.00	
	10489-05	Cable, Souriau #10 RF to TNC-Male, 2m	$690.00	
	10489-07	Cable, Souriau #10 RF to TNC-Male, 3m	$690.00	
	10490-06	Cable, Souriau #10 RF to TNC-Female, 2.5m	$690.00	
	10490-07	Cable, Souriau #10 RF to TNC-Female, 3m	$690.00	
	10489-04	Cable, Souriau #10 RF to TNC-Male, 1.5m	$690.00	
	10490-04	Cable, Souriau #10 RF to TNC-Female, 1.5m	$690.00	
	10490-05	Cable, Souriau #10 RF to TNC-Female, 2m	$690.00	
	10489-06	Cable, Souriau #10 RF to TNC-Male, 2.5m	$690.00	
	08228-05	Cable, Souriau #10 RF to #10 RF, 2m	$940.00	Souriau 2 meter cable (LMR240-DB, 2m). Both ends waterproofed
	08228-07	Cable, Souriau #10 RF to #10 RF, 3m	$1,565.00	Souriau 3 meter cable (LMR240-DB, 3m). Both ends waterproofed
	08228-04	Cable, Souriau #10 RF to #10 RF, 1.5m	$940.00	
	08227-07	Cable, Souriau #10 RF to SMA, 3m	$690.00	
	08654	Kit, Charge & Debug, 13 Pin Male Souriau to DB9/RJ45/8Pin	$750.00	Kit includes a power charger, 120 VAC power cord, and charge & debug cable is 13 Pin Male Souriau to DB9/RJ45/8Pin, which allows communication with the Command & Control Unit.
	10892-04	#14 Souriau 13 pin (M) 4 meter cable whip	$1,250.00	
	10893-04	#10 Souriau 9 pin (M) 4 meter cable whip	$1,190.00	A 4 meter whip cable with #10 Souriau 9 pin (Male) connector on one end
	09740	Kit, Cable, Octopus, SV3 v300	$1,875.00	Kit includes Octopus cable with mounting hardware, and Loctite.
	07579-01	Cable, Souriau #10 Shell 9-Pin, 1m	$625.00	

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Category	Part #	Description	Price	Notes
	08228-06	Cable, Souriau #10 RF to #10 RF, 2.5m	$1,565.00	
	10892-02	#14 Souriau 13 pin (M) 2 meter cable whip	$1,000.00	
Shoreside Software	08358	WGMS (Wave Glider Management System) Annual Subscription	$15,000.00	Provides right to use WGMS, delivered by Liquid Robotics as a hosted service for mission management of one commercial Wave Glider for one year.
Maintenance	12532	Kit, Preventative Maintenance, 12 and 36 mo, SV3 v300 Blk2	$3,285.00	Kit, SV3 v300 12- & 36-Month Sea Time Preventative Maintenance. Includes CCU O-Ring, Umbilical Wear Components, the v300 Consumables Kit, Launch Wedges and soft launch / recovery straps.
	12533	Kit, Preventative Maintenance, 24 and 48 mo, SV3 v300 Blk 2	$43,185.00	Kit, SV3 v300 24- & 48- Month Sea Time Preventative Maintenance. This kit includes a molded section of an umbilical. Also includes CCU O-Ring, Umbilical Wear Components, the v300 Consumables Kit, Launch Wedges, Connector Dust Caps, Wing Spring and Stop Hardware, Motion Isolator Hardware, a Propeller Blade Set and Float Skeg, soft launch / recovery straps.
Sensor	10753-04	Kit, Turner C3 Fluorometer (CHL-A, Turbidity, CDOM), SV3 Float, Souriau bulkhead	$41,250.00	Kit includes a Turner C3 Fluorometer, hardware to mount the sensor, and the SMC sensor management software and configurations. Kit occupies two (2) Modular Payload Unit (MPU) bays and requires modification to the float. A Liquid Robotics SMC Integrated Payload is required and not included. Ch1: CHL-A Ch2: Turbidity Ch3: CDOM
	10753-03	Kit, Turner C3 Fluorometer (CHL-A, Crude Oil, Turbidity), SV3 Float, Souriau bulkhead	$41,250.00	Kit includes a Turner C3 Fluorometer, hardware to mount the sensor, and the SMC sensor management software and configurations. Kit occupies two (2) Modular Payload Unit (MPU) bays and requires modification to the float. A Liquid Robotics SMC Integrated Payload is required and not included. Ch1: CHL-A Ch2: Crude Oil Ch3: Turbidity

Labor				
	10887	Professional Services, Hourly (Pre-Paid)	$315.00	Liquid Robotics Professional Service personnel are contracted on a per hour, fee for service basis. A Liquid Robotics Professional Services Statement of Work must be completed and signed before Liquid Robotics Professional Service personnel can be scheduled for work. This does not include engineering or design services. Services must be pre-paid and utilized within one calendar year of purchase.
	11015-02	Engineering Integration Services	$315.00	Liquid Robotics Engineering personnel are contracted on a per hour, fee for service basis. A mutually agreed to Statement of Work must be completed and signed by Liquid Robotics and the End Customer before Liquid Robotics personnel can be scheduled for work. Services must be utilized within the period of performance as defined in the statement of work.
	11016-01	Field Mission Operations	$315.00	Liquid Robotics Field Mission Operations personnel are contracted on a per hour, fee for service basis. A mutually agreed to Statement of Work must be completed and signed by Liquid Robotics and the End Customer before Liquid Robotics personnel can be scheduled for work. This does not include engineering or design services. Services must be utilized within the period of performance as defined in the statement of work.
	11015-01	Engineering Support Services	$315.00	Liquid Robotics Engineering personnel are contracted on a per hour, fee for service basis. A mutually agreed to Statement of Work must be completed and signed by Liquid Robotics and the End Customer before Liquid Robotics personnel can be scheduled for work. This does not include engineering or design services. Services must be utilized within the period of performance as defined in the statement of work.

	07549	Hawaii Mission Operations	$315.00	Liquid Robotics Hawaii Mission Operations personnel are contracted on a per hour, fee for service basis. A mutually agreed to Statement of Work must be completed and signed by Liquid Robotics and the End Customer before Liquid Robotics personnel can be scheduled for work. This does not include engineering or design services. Services must be utilized within the period of performance as defined in the statement of work.
	04068	Depot Repair, Hourly	$315.00	This service is the hourly rate for labor provided by Liquid Robotics during regular business hours (8am-5pm PST) for customers whose warranty has expired.
	09786	Program Management, Hourly	$315.00	Liquid Robotics Program Management personnel are contracted on a per hour, fee for service basis. A mutually agreed to Statement of Work must be completed and signed by Liquid Robotics and the End Customer before Liquid Robotics personnel can be scheduled for work. This does not include engineering or design services. Services must be utilized within the period of performance as defined in the statement of work.
Stands and Crates	10470	Kit, Third Leg Release Upgrade, Rapid Stand	$2,500.00	Upgraded Third Leg release for Rapid Stand
	08029	Kit, L-Drop Sub Cutout Conversion, Legacy Stand	$160.00	Kit contains the L-drop sub cutout for the cart.
	09359	Kit, Load rated replacement straps for Rapid Stand	$1,875.00	Load rated replacement straps for Rapid Stand
	08422	Crate, Wooden, SV3 Float without a Float Mounted CTD-DO	$1,250.00	Shipping crate for a single SV3 float without a float mounted CTD-DO.
	09358	Rapid Crate	$7,500.00	Shipping crate for a Rapid Stand.
	09100	Rapid Stand	$20,000.00	Includes saddle and cart. Does not include Rapid Launch Kit, Recovery Kit, or Tow Body Conversion Kit.
Tow Cables and Tow Bodies	10468	Tow Body for Integrators (Empty), 200m Rated, Souriau	$15,000.00	Contains a standalone tow body with a moonpool opening for mounting a subsea sensor and an bulkhead kit for integrators with a Souriau bulkhead connector, allowing proper configuration to custom sensor kits. Tow cable (Souriau) not included.

	Part #	Description	Price	Notes
	09990	Tow Body for Integrators, 200m Rated, Souriau	$18,750.00	Contains a standalone tow body with a moonpool opening for mounting a subsea sensor and an electronics kit for integrators, allowing proper configuration to custom sensor kits. The electronics kit includes a battery to enhance power conditioning for additional electronics. Tow cable (Souriau) not included.
	09880	Kit, Tow Cable Install Hardware, v200/300 Sub Mount	$500.00	Includes two (2) pivot plates, four (4) hex head screws, safety wire, and Loctite.
	09821	Kit, KraitArray Tow Cable, L-drop, v300 Sub, Souriau	$30,000.00	L-Drop KraitArray Tow Cable including mounting brackets for v300 Sub. 13-pin Souriau to KraitArray Adapter.
	09587	Kit, Tow Cable, L-drop, v300 Sub, Souriau	$15,000.00	L-Drop Tow Cable including mounting brackets for v300 Sub. 13-pin Souriau to 13-pin Souriau.
Spares	08363	MICRO SD CARD, 64 GB, UHS Class 3 / Class10	$85.00	
	04565	Inspired Energy, NH2054HD34	$250.00	Replacement Rechargeable Smart Lithium Ion Battery for CCU or APU. RMA or Maintenance Training Required.
	08791	Wave Glider SV3 v200/v300 Motion Isolator Spring (Elastomer)	$190.00	Motion Isolator Spring (Elastomer) for Wave Glider SV3 v200 / v300 variety. This item should be purchased together with Kit, Umbilical Mounting Hardware, v200/300 Sub (PN: 09882).
	10143	Wave Glider SV3 V300 Miscellaneous (Consumables)	$6,250.00	Miscellaneous parts for the SV3 V300 (Consumables) including; Charger / Debug Kit, Screws, Washers, Loctites Grease. Pelican case (1550) is included.
	11854	Kit, Solar Panel, v300 Block 2, 75W	$6,250.00	Kit includes a 75 watt solar panel, two frameless hold-downs, and mounting hardware.
	11538	Wave Glider SV3 V300 Most common hardware items (Consumables)	$250.00	Most common screws, washers, cotter pins, safety wire, dow corning grease and other consumable items for Wave Glider SV3 v300
	10828	Wing Shaft, Quick Release, v300 Block 2 Subs	$125.00	Single quick release wing shaft for v300 Block 2 sub.
	07688	Plastic Lid CCU Housing, SV3 v300	$750.00	Plastic Lid housing for the SV3 v300 CCU. Hardware is not included.
	09958	Kit, AIS Antenna & Cable, v300	$690.00	Includes antenna, cable, and installation hardware. AIS locking cover is not included. RMA or Maintenance Training Required.
	12829	Kit, Lightbar Outer Case	$35.00	Outer case dome with the two O rings for this assembly.

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Winch	09730	Winch 150P Kit, v300 Sub	$118,750.00	Includes winch (line & sinker), 1.4m Souriau 13-Pin cable, and mounting hardware for v300 sub.
	11469	Winch Hammock Rapid Stand kit	$1,000.00	Winch Hammock Rapid Stand kit. Replacement parts of an existing hammock for repair or annual maintenance.
	09148	Casting wire & Snubber, Winch 150P	$15,000.00	Replacement casting wire and snubber for the Winch 150P.
AIS	10032	Kit, AIS Locking Cover, v300	$75.00	Kit includes an Automatic Identification System (AIS) Antenna's locking cover & screw, and dielectric grease. AIS Antenna not included.
	10044	Kit, AIS Antenna & Locking Cover, v300	$100.00	Kit includes an Automatic Identification System (AIS) Antenna, locking cover & screw, and dielectric grease.
	04192	Kit, AIS Antenna	$65.00	Kit includes an Automatic Identification System (AIS) Antenna and dielectric grease.
Mission & Support Services	11016-04	HaMOC METOC Wave Glider CoCo	$2,490.00	Daily lease rate for Meteorological Oceanographic (METOC) configured Wave Glider launched and recovered from Liquid Robotics Hawaii Marine Operations Center (HaMOC). Inclusive of 24/7 piloting and communications charges for the duration of the Contractor Owned, Contractor Operated (CoCo) mission. Hawaii Marine Operations Center (HaMOC) make ready and restoration activities for up to three (3) METOC Wave Gliders for a mission sortie. Make ready activities can include, but are not limited to, sensor calibration, sensor/payload installation, dock side check outs and in-water data collection validation. Restoration activities can include, but are not limited to, Wave Glider and sensor cleaning, maintenance and storage. All labor, travel, shipping and vessel logistics for Launching and Recovering up to three (3) Wave Gliders for a single mission sortie. Rate is for one Wave Glider (METOC) per day.

	00677	Piloting Services (1 Day- 1 Wave Glider - 24 Hours)	$350.00	The Liquid Robotics Operations Center is staffed 24/7/365. Provided on a per-day, per Wave Glider basis, the LRI Piloting Service includes execution of the mission plan via the WGMS (Wave Glider Management System), monitoring of the Wave Glider, course changes, obstacle avoidance, alarm response, and coordination with in-field personnel during operations. The Operations Center can serve as Incident Command if required. Standard Mission Planning must be purchased along with this service. Services must be utilized within one calendar year of purchase.
	00674	Standard Mission Planning	$10,000.00	Construction of mission plan for specific customer operation. Includes full analysis of environmental risk assessment, power management and summary report of expected performance. Setup of custom organization for customer login is done in Wave Glider Management System (WGMS) if required. Mission Planning services must be utilized within one calendar year of purchase
Developer Kits	08690	Commonly Used Developer Parts Kit, v300	$8,125.00	Includes one (1) 1m & one (1) 2m expansion cable; two (2) expansion port bulkhead expansion ports; 1 and 3 MPU drill kit; power charger and debug cable; two (2) 1/2m masts, two (2) sealed SMA connectors; two (2) SMA-SMA 1.7m coax cables; 9 taper head cap screws M5x25mm titanium; flat washers M5 titanium; split lock washers M5 titanium; self tapping inserts M5 titanium
	08689	Development Kit, v300 Block 2	$62,500.00	This kit is the functional equivalent of a Wave Glider used for desktop development. It includes a Command and Control box, Thrudder electronics housing, expansion cables to act as the umbilical and tow cable and a debug cable.
CCU	10000	Command and Control Unit (CCU), SV3 v300 Block 2	$56,250.00	Command and Control Unit which handles all of the core electronics functions of the Wave Glider.
	09960	Kit, Light Pipe, v300 CCU	$125.00	Includes light pipe, and mounting hardware.
	09954	Kit, Pressure Port Installation	$250.00	Includes pressure port installation hardware, tall pressure port cover with magnet, and mounting hardware.

	12392	CCU Upgrade Kit, v300 Block 1 to Block 2	$10,000.00	KIT, CCU UPGRADE, BLOCK1 TO BLOCK 2
	10000-DOD	Command and Control Unit (CCU), SV3 v300 Block 2 (DISA)	$59,375.00	DISA Command and Control Unit which handles all of the core electronics functions of the Wave Glider.
APU	09956	Kit, Power Plug Bulkhead Connector Installation, v100/200/300 APU	$375.00	Includes bulkhead connector, wiring harness, and installation hardware. Does not include the plug.
	08087	Auxiliary Power Unit (APU), v300, Souriau	$10,000.00	1MPU equivalent APU. Includes expansion port cable (Souriau, 13-Pin, Male to Male, 1m)
Weather Station & Light Bar	09471	Kit, Mast, Tapered, ID 1in x 1m, Lightbar Cutout	$940.00	Kit includes a mast and mounting hardware, less Loctite.
	11047	Visibility Mast and Airmar 200WX Weather Station, v300 Block 2	$6,250.00	Includes a configurable Light bar, Airmar 200WX weather station, and 1m mast with fairing and Souriau connectors for v300 Block 2.
	09772	Kit, Airmar 200WX Weather Station	$1,875.00	Kit includes Airmar 200WX weather station, thread seal (for mast mount), and sealing tape (for cable). Cable and mast are not included.
	11045	Kit, Programmable Light Bar v300 Blk 2	$2,190.00	Replacement programmable light bar with cable.
	09169	Kit, Light Bar, 1in ID Mast, Souriau	$2,190.00	Replacement light bar with cable.
Fasteners	00068	Insert, Self Tapping, Titanium M5	$10.00	Minimum order quantity: 10 RMA or Maintenance Training Required.
Iridium	10547	DISA Upgrade, Resilient Tracker	$3,125.00	Upgrade that allows the resilient tracker to be properly set-up to allow connection to DISA network.
	10548	DISA Upgrade, Command & Control Unit	$3,125.00	Upgrade that allows the Iridium Short Burst Data modem to be properly set-up to allow connection to DISA network.

Please contact Liquid Robotics Customer Support if you have any questions at:

Liquid Robotics - Customer Support Operations

(INTL) +1.408.636.4205

(USA, toll free) 888.574.4574

support@liquid-robotics.com

support@liquid-robotics.com