

DC INSTALLATION KITS

PRODUCT Seakeeper 1, 2, and 3

DESCRIPTION

Seakeeper has teamed up with preferred suppliers to offer our partner network access to competitive pricing on high-quality ancillary components needed for Seakeeper 1, 2, and 3 installations, that are not supplied within the Seakeeper unit bill of materials (BOM). Seakeeper has partnered with Fastenal to kit electrical and plumbing hardware into Core Installation Kits available for purchase directly through Seakeeper. Additionally, Dolphin battery chargers and structural adhesives may be purchased directly from our preferred suppliers.

CORE INSTALLATION KITS

The Seakeeper Core Installation Kits include hardware required for DC Seakeeper installations including plumbing / electrical fittings and the Seakeeper Seawater Pump Assembly.

SEAKEEPER 1 CORE INSTALLATION KIT (P/N 90652-1)

The following table includes a complete bill of materials and Seakeeper installation function for each Seakeeper 1 Core Installation Kit (PN 90652-1) component:

Item #	Part Description	Seakeeper Installation Function	Vendor	Part #	Qty
1	Blue Sea 5065 Waterproof In-Line Fuse Holder ATO/ATC	Fuse holder for 15 A Seawater Pump input wire fuse	Blue Sea Systems	5065	1
2	ATO/ATC Fuse - 15 Amp	Fuse for Seawater Pump DC input	Blue Sea Systems	5242	1
3	187 - Series Circuit Breaker - 80 Amp	Circuit breaker for high current input to Seakeeper (for flywheel motor)	Blue Sea Systems		1
4	e-Series On / Off Battery Switch	Battery switch between 12V battery and Seakeeper	Blue Sea Systems	9003E	1
5	4 AWG Ground Wire, Green	Grounding conductor connecting Seakeeper chassis to engine negative terminal (or its bus)	Pacer Marine	WUL4GN-B	16 ft
6	3/4" Bronze Inline Ball Valve	Ball valve at thru-hull fitting	Marine Hardware	BVLV0.750-FPHL	1
7	3/4" NPT Chrome Plated Bronze Thru-Hull Mushroom Fitting	Thru-hull for hose connecting Seakeeper heat exchanger outlet to hull	Marine Hardware	THMR.750-C	1
8	3/4" High Speed Pickup, Bronze	Intake water scoop	Marine Hardware	HSWP0.750-B	1
9	CLEARBRAID® K3150 Series 1/2 in. Nominal ID	Seawater hose	Clearbraid	K3150-08X100	20 ft

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Item #	Part Description	Seakeeper Installation Function	Vendor	Part #	Qty
10	1/2" Hose x 3/4" Male NPT Brass Hose Barb	Pipe to hose adapter for seawater inlet	DynaFlo	69934	1
11	1/2" Hose x 3/4" Female NPT Brass Hose Barb	Hose to pipe adapter for seawater outlet	Dixon	1040812C	1
13	3/4" NPT Elbow	Elbow fitting for seawater inlet / outlet	USA Sealing Inc	922205630	1
12	3/4" NPT Nipple	Adapter for elbow fitting	ProFitter	0480314	1
14	SeaFlo 12/24V Seawater Pump	Cooling water pump	Seakeeper	30331	1

SEAKEEPER 2/3 CORE INSTALLATION KIT (P/N 90650-1)

The following table includes a complete bill of materials and Seakeeper installation function for each Seakeeper 2/3 Core Installation Kit (PN 90650-1) component:

Item #	Part Description	Seakeeper Installation Function	Vendor	Part #	Qty
1	Blue Sea 5065 Waterproof In-Line Fuse Holder ATO/ATC	Fuse holder for 15 A low current DC input wire fuse	Blue Sea Systems	5065	2
2	ATO/ATC Fuse - 15 Amp	Fuse for low current DC input to Seakeeper (for display, sensors, etc.)	Blue Sea Systems	5242	2
3	187 - Series Circuit Breaker - 100 Amp	Circuit breaker for high current input to Seakeeper (for flywheel motor)	Blue Sea Systems	7144	1
4	e-Series On / Off Battery Switch	Battery switch between 12V battery and Seakeeper	Blue Sea Systems	9003E	1
5	4 AWG Ground Wire, Green	Grounding conductor connecting Seakeeper chassis to engine negative terminal (or its bus)	Pacer Marine	WUL4GN-B	16 ft
6	3/4" Bronze Inline Ball Valve	Seacock valve for seawater inlet	Marine Hardware	BVLV0.750-FPHL	1
7	3/4" NPT Chrome Plated Bronze Thru-Hull Mushroom Fitting	Seawater overboard discharge thru-hull fitting	Marine Hardware	THMR.750-C	1

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Item #	Part Description	Seakeeper Installation Function	Vendor	Part #	Qty
8	3/4" High Speed Pickup, Bronze	Intake water scoop	Marine Hardware	HSWP0.750-B	1
9	CLEARBRAID® K3150 Series 3/4 in. Nominal ID	Seawater hose	Clearbraid	K3150-12X100	30 ft
10	3/4" Male NPT-to-Hose Adapter Straight	Pipe to hose adapter for sewer inlet / outlet	Perko	PTHAS-0.75X0.75	2
11	3/4" Female NPT-to-Hose Adapter Elbow	Connects discharge hose to thru-hull	Perko	901007	2
12	Seaflo 12/24V Seawater Pump	Cooling water pump	Seakeeper	30331	1

BATTERY CHARGER INSTALLATION KIT (P/N 90582-1)

The Battery Charger Installation Kit (Seakeeper PN 90582-1) is comprised of hardware needed to install a 60A or 90A Dolphin battery charger. Directions for purchasing chargers are in the "Partner-Supplied Items" section below. Note, battery chargers are **not** sold as part of the Battery Charger Installation Kit.

The table below includes a complete bill of materials and Seakeeper installation function for each Battery Charger Installation Kit (PN 90582-1) part.

Item #	Part Description	Seakeeper Installation Function	Vendor	Part #	Qty
1	1 AWG Battery Cable, Red	Wire from battery charger positive output to battery positive	East Penn Mfg	04391	16 ft
2	1 AWG Battery Cable, Black	Wire from battery charger negative output to battery negative	East Penn Mfg	04392	16 ft
3	ANL Fuse - 100 A	Fuse between battery charger positive output and battery positive	Blue Sea Systems	5125	1
4	ANL Fuse Holder w/ Insulating Cover	Fuse holder for 100 A fuse	Blue Sea Systems	5005	1
5	A-Series White Toggle Circuit Breaker, 2-Pole, 16A	Circuit breaker between AC receptacle and battery charger	Blue Sea Systems	7294	1
6	Circuit Breaker Enclosure	Circuit breaker box for 16A, AC circuit breaker	Blue Sea Systems	3131	1
7	UL Round Cable, 3 x 10 AWG, 600V, Grey Jacket	Wire for connecting AC receptacle to battery charger	Pacer Marine	WR 10/3G	16 ft

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PARTNER-SUPPLIED ITEMS

The items detailed below are commonly used in Seakeeper 1, 2, and 3 installations. Seakeeper has secured preferred pricing on battery chargers and structural adhesives for our Partners. Purchase inquiries should be sent directly to the contacts listed below for the relevant items. Note, these suppliers are for U.S. based customers only. The technical data sheets and manuals can be found in the appendix of this document.

BATTERY CHARGERS

Scandvik (Dolphin) Contact Information:

Naline Brits, Sales

Email: naline@scandvik.com

Phone: 772-567-2877 ext. 237

Steve Bedell, Technical Sales Support

Email: steve@scandvik.com

Phone: 772-567-2877 ext 231

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| 1. Dolphin 60A Charger: | CHARGER DOLPH PREMIUM 12V 60AMP
110/220VAC, 3 OUT
Dolphin PN 99050 |
| 2. Dolphin 90A Charger: | CHARGER PRO 12V 90AMP
110/220 50/60HTZ
Dolphin PN 99501 |

STRUCTURAL ADHESIVES

Refer to Technical Bulletin 90382 – Structural Adhesive Recommendations for examples of acceptable structural adhesives which meet the requirements for a bond-in and deck mount Seakeeper installation.

Plexus is available from Composites One and SciGrip can be sourced through Torx Marine, contact information as follows:

Composites One: Efrain Grillo, Technical Sales Representative
Email: efrain.grillo@compositesone.com
Phone: 305-342-8277

Torx Marine: John Canada, President
Email: john@torxmarine.com
Phone: 772-261-8087

REVISION	DESCRIPTION OF CHANGES	DATE	APPROVED
2	Initial Release	26MAY2020	JFK
3	Kits updated for Cooling system Update to SK2/3 and SK1 Kit added	6JUN2021	DMF