

BE PREPARED WITH A NORTHERN LIGHTS

# ON-BOARD SPARE PARTS KIT

Northern Lights spares kits have always provided security at sea, but now they're even better.

When you buy one of the Standard Spare Parts Kits for Northern Lights 5 to 20 kW sets, a rugged non-corrosive black case is included free. This case is perfect for keeping the parts and manuals together and organized for when you really need them.

You'll be ready for both routine maintenance and many of the more common problems the tough marine environment can deliver.

Northern Lights provides the clean power and clear air that makes your boating experience the best it can be. Keep a Northern Lights spare parts kit on board, and ensure the complete comfort that comes with being well prepared.



GENSET MODEL	STANDARD KITS		WORLD CLASS KITS	
	HEAT EXCHANGED	KEEL COOLED	HEAT EXCHANGED	KEEL COOLED
M673LD2 M673LD3	38-08015	38-08016	38-08017 38-08019	38-08018 38-08020
M673L2 M673L3	38-08015	38-08016	38-08017 38-08019	38-08018 38-08020
M773LW2 M773LW3	38-08605	38-08606	38-08607 38-08612	38-08608 38-08613
M843NW2 M843NW3	38-03120	38-03130	38-03125 38-03126	38-3135 38-03136
M844W2/3 M844DW3	38-08120	38-08130	38-08126	38-08136
M844LW2 M844LW3	38-08420	38-08430	38-08426	38-08436
M864W M864W3	38-08700	38-08701	38-08702	38-08703
M944W M944W3 M944W3F	38-01200	38-01202	38-01201	38-01203
M944T M944T2	38-01204	38-01206	38-01205	38-01207
M944T3 M944T3F	38-01204	38-01206	38-01208	38-01209



# ON-BOARD SPARE PARTS KITS FOR MARINE GENERATOR SETS

## STANDARD SPARE PARTS KITS

### M673LD2, M673LD3, M673L2, M673L3

Heat Exchanged  
Kit #38-08015

PART NO.	DESCRIPTION	QTY
24-08001	Oil Filter	4
24-52020	Fuel Filter	2
40-02002	Drive Belt	1
24-28003	Air Filter Element	1
145206320	Thermostat	1
111996470	Gasket, Rocker Arm Cover	2
25-12031	Water pump Cover O-Ring	2
135996731	Exhaust Manifold Gasket	1
25-12009	Impeller Kit w/Gasket	2

### M773LW2

Heat Exchanged  
Kit #38-08605

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-08601	Drive Belt	1
24-28602	Air Filter Element	1
145206022	Thermostat	1
111996420	Gasket, Rocker Arm Cover	2
11-18602	Gasket, Thermostat Cover	2
25-12060	Impeller Kit w/ Gasket	1
25-12067	O-Ring Raw Water Pump Cover	2

### M773LW3

Heat Exchanged  
Kit #38-08605

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-08601	Drive Belt	1
24-28602	Air Filter Element	1
145206022	Thermostat	1
111996420	Gasket, Rocker Arm Cover	2
11-18602	Gasket, Thermostat Cover	2
25-12060	Impeller Kit w/ Gasket	1
25-12067	O-Ring Raw Water Pump Cover	2

## WORLD CLASS SPARE PARTS KITS

### M673LD2, M673LD3, M673L2, M673L3

Heat Exchanged  
Kit #38-08019

PART NO.	DESCRIPTION	QTY
24-08001	Oil Filter	4
24-52020	Fuel Filter	2
40-02002	Drive Belt	1
24-28003	Air Filter Element	1
145206320	Thermostat	1
111996470	Gasket, Rocker Arm Cover	2
25-12031	O-Ring Raw Water Pump Cover	2
135996731	Exhaust Manifold Gasket	1
25-12009	Impeller Kit w/ Gasket	2
131406480	Injector Assembly	3
185366220	Glow Plug 12V	3
130506140	Fuel Lift Pump	1
130996130	Fuel Lift Pump Mtg. Gasket	1
25-12007	Raw Water Pump	1
052400400	O-Ring	1
22-68304	Brush & Holder Assembly	1
22-42047	Relay, SPDT 12V 50A	1
340460170	RW Pump Drive Gear	1
165996510	Oil Fill Neck Gasket	1
27-38008	SS Exhaust Elbow	1
135996550	Mtg. Gasket	1
39-70006	Molded Plastic Case	1
W673-2	Workshop Manual	1

### M773LW2

Heat Exchanged  
Kit #38-08607

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-08601	Drive Belt	1
24-28602	Air Filter Element	1
145206022	Thermostat	1
111996420	Gasket, Rocker Arm Cover	2
11-18602	Gasket, Thermostat Cover	2
25-12060	Impeller Kit w/ Gasket	1
25-12067	O-Ring Raw Water Pump Cover	2
185366220	Glow Plug 12V	3
131406470	Injector	3
130506140	Fuel Lift Pump	1
130996130	Fuel Lift Pump Mtg. Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V 50A	1
340460141	RW Pump Drive Gear	1
11-12005	Oil Fill Neck Gasket	1
27-32014	SS Exhaust Elbow	1
11-31902	Mtg. Gasket	1
39-70006	Molded Plastic Case	1
W773L-2	Workshop Manual	1

### M773LW3

Heat Exchanged  
Kit #38-08612

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-02003	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996410	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring Raw Water Pump Cover	2
131406360	Injector	3
185366060	Glow Plug	3
130506140	Fuel Lift Pump	1
130996130	Fuel Lift Pump Mtg. Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V 50A	1
340460141	RW Pump Drive Gear	1
11-12005	Oil Fill Neck Gasket	1
27-32014	SS Exhaust Elbow	1
11-31902	Mtg. Gasket	1
39-70006	Molded Plastic Case	1
W843-844-2	Workshop Manual	1

Protect your equipment. Use only genuine Northern Lights | Luggers filters and replacement parts.

NOTE: Kits do not include parts for custom or optional equipment. Spares for custom and optional equipment should be specified and ordered separately. Kits for Keel Cooled sets do not include raw water pump parts. See Chart on front cover for Keel Cooled kit numbers.



## STANDARD SPARE PARTS KITS

### M843NW2

Heat Exchanged  
Kit #38-03120

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-02003	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996410	Gasket, Rocker Arm Cover	1
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring, Raw Water Pump Cover	2

### M843NW3

Heat Exchanged  
Kit #38-03120

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-02003	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996410	Gasket, Rocker Arm Cover	1
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring, Raw Water Pump Cover	2

### M844W2

Heat Exchanged  
Kit #38-08120

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-02003	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996401	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring, Raw Water Pump Cover	2

## WORLD CLASS SPARE PARTS KITS

### M843NW2

Heat Exchanged  
Kit #38-03125

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-02003	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996401	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring, Raw Water Pump Cover	2
131406360	Injector	4
185366060	Glow Plug 12V	4
130506140	Fuel Lift Pump	1
130996130	Fuel Lift Pump Mtg. Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V 50A	1
340460141	RW Pump Drive Gear	1
11-12005	Oil Fill Neck Gasket	1
27-32014	SS Exhaust Elbow	1
11-31902	Mtg. Gasket	1
39-70006	Molded Plastic Case	1
W843-844-2	Workshop Manual	1

### M843NW3

Heat Exchanged  
Kit #38-03126

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-08401	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996401	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring, Raw Water Pump Cover	2
131406360	Injector	4
185366060	Glow Plug 12V	4
130506140	Fuel Lift Pump	1
130996070	Fuel Lift Pump Mtg. Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V 50A	1
340460141	RW Pump Drive Gear	1
11-12005	Oil Fill Neck Gasket	1
27-32014	SS Exhaust Elbow	1
11-31902	Mtg. Gasket	1
39-70006	Molded Plastic Case	1
W843-844-2	Workshop Manual	1

### M844W2

Heat Exchanged  
Kit #38-03126

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-02003	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996401	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring, Raw Water Pump Cover	2
131406360	Injector	4
185366060	Glow Plug 12V	4
130506140	Fuel Lift Pump	1
130996070	Fuel Lift Pump Mtg. Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V 50A	1
340460141	RW Pump Drive Gear	1
11-12005	Oil Fill Neck Gasket	1
27-32014	SS Exhaust Elbow	1
11-31902	Mtg. Gasket	1
39-70006	Molded Plastic Case	1
W843-844-2	Workshop Manual	1

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## STANDARD SPARE PARTS KITS

### M844DW3 & M844LW2 & M844LW3

Heat Exchanged  
Kit #38-08420

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-008401	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996401	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring, Raw Water Pump Cover	2

### M864W & M864W3

Heat Exchanged  
Kit # 38-08700

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-08704	Drive Belt	1
24-28701	Air Filter Element	1
35-11000	Thermostat	1
11-10015	Thermostat Seal Ring	1
11213-UC010	Gasket, Rocker Arm Cover	1
25-12060	Impeller	2
25-12067	O-Ring, Water Pump Cover	2
21-10010	Zinc Anode	1

### M944W, M944W3, M944W3F

Heat Exchanged  
Kit #38-01200

PART NO.	DESCRIPTION	QTY
24-01201	Oil Filter	4
24-51201	Fuel Filter	2
40-05404	Drive Belt	1
24-21202	Air Filter Element	1
35-11000	Thermostat	1
11-10015	Thermostat Seal Ring	1
32A0413200	Gasket, Rocker Arm Cover	1
25-11011	Impeller	2
21-12010	Zinc Anode	4

## WORLD CLASS SPARE PARTS KITS

### M844DW3 & M844LW2 & M844LW3

Heat Exchanged  
Kit #38-08426

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-08401	Drive Belt	1
24-22009	Air Filter Element	1
145206022	Thermostat	1
111996401	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller Kit w/ Gasket & O-Rings	2
25-12067	O-Ring Raw Water Pump Cover	2
131406360	Injector	4
185366060	Glow Plug 12V	4
130506140	Fuel Lift Pump	1
130996070	Fuel Lift Pump Mtg. Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V 50A	1
340460141	RW Pump Drive Gear	1
11-12005	Oil Fill Neck Gasket	1
27-32014	SS Exhaust Elbow	1
11-31902	Mtg. Gasket	1
39-70006	Molded Plastic Case	1
W843-844-2	Workshop Manual	1

### M864W & M864W3

Heat Exchanged  
Kit #38-08702

PART NO.	DESCRIPTION	QTY
24-02002	Oil Filter	4
24-52020	Fuel Filter	2
40-08704	Drive Belt	1
24-28701	Air Filter Element	1
35-11000	Thermostat	1
11-10015	Thermostat Seal Ring	1
11213-UC010	Gasket, Rocker Arm Cover	1
25-12060	Impeller	2
25-12067	O-Ring Raw Water Pump Cover	2
236007820071	Fuel Injector	4
198507820071	Glow Plug	4
25-15405	Raw water pump	1
16-15401	O-Ring	1
22-42047	Relay SPDT 12VDC 50A	1
W864	Workshop Manual	1
21-12010	Zinc Anode	1
11177-76007-71	Injector Gaskets	4
07005-01412	Fuel System Sealing Washer	1
90430-76002-71	Fuel System Sealing Washer	1
39-70006	Molded Plastic Case	1

### M944W, M944W3, M944W3F

Heat Exchanged  
Kit #38-01201

PART NO.	DESCRIPTION	QTY
24-01201	Oil Filter	4
24-51201	Fuel Filter	2
40-05404	Drive Belt	1
24-21202	Air Filter Element	2
35-11000	Thermostat	1
11-10015	Thermostat Seal Ring	1
32A0413200	Gasket, Rocker Arm Cover	2
25-11011	Impeller	2
21-12010	Zinc Anode	4
32C6106000	Fuel Injector	4
32A6603100	Glow Plug	1
25-11202	Raw Water pump	1
25-19517	O-Ring	1
22-42047	Relay SPDT 12VDC 50A	1
MDO70717	Sealing Washers	4
MDO68355	Sealing Washers	4
07005-01412	Sealing Washers	8
0594600801	Sealing Washer	1
39-70006	Molded Plastic Case	1
W944	Workshop Manual	1

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# STANDARD SPARE PARTS KITS

## M944T & M944T2

Heat Exchanged  
Kit #38-01204

PART NO.	DESCRIPTION	QTY
24-01201	Oil Filter	4
24-51201	Fuel Filter	2
40-45401	Drive Belt	1
24-21003	Air Filter Element	1
35-11000	Thermostat	1
11-10015	Thermostat Seal Ring	1
32A0413200	Gasket, Rocker Arm Cover	2
25-11011	Impeller	2
21-12010	Zinc Anode	4

## M944T3 & M944T3F

Heat Exchanged  
Kit #38-01204

PART NO.	DESCRIPTION	QTY
24-01201	Oil Filter	4
24-51201	Fuel Filter	2
40-45401	Drive Belt	1
24-21003	Air Filter Element	1
35-11000	Thermostat	1
11-10015	Thermostat Seal Ring	1
32A0413200	Gasket, Rocker Arm Cover	2
25-11011	Impeller	2
21-12010	Zinc Anode	4

# WORLD CLASS SPARE PARTS KITS

## M944T & M944T2

Heat Exchanged  
Kit #38-01205

PART NO.	DESCRIPTION	QTY
24-01201	Oil Filter	4
24-51201	Fuel Filter	2
40-45401	Drive Belt	1
24-21003	Air Filter Element	1
35-11000	Thermostat	1
11-10015	Thermostat Seal Ring	1
32A0413200	Gasket, Rocker Arm Cover	2
25-11011	Impeller	2
21-12010	Zinc Anode	4
32B6107020	Fuel Injector	4
32A6607001	Glow Plug	1
25-11202	Raw Water pump	1
25-19517	O-Ring	1
22-42047	Relay SPDT 12VDC 50A	1
32A615900	Injector Gasket	4
075005-01412	Sealing Washers	4
059460801	Sealing Washer	1
21-51200	Tube Nut w/ packing	1
39-70006	Molded Plastic Case	1
W944	Workshop Manual	1

## M944T3 & M944T3F

Heat Exchanged  
Kit #38-01208

PART NO.	DESCRIPTION	QTY
24-01201	Oil Filter	4
24-51201	Fuel Filter	2
40-45401	Drive Belt	1
24-21003	Air Filter Element	1
35-11000	Thermostat	1
11-10015	Thermostat Seal Ring	1
32A0413200	Gasket, Rocker Arm Cover	2
25-11011	Impeller	2
21-12010	Zinc Anode	4
32A6103040	Fuel Injector	4
32A6607001	Glow Plug	1
25-11202	Raw Water pump	1
25-19517	O-Ring	1
22-42047	Relay SPDT 12VDC 50A	1
32A615900	Injector Gasket	4
075005-01412	Sealing Washers	4
059460801	Sealing Washer	1
21-51200	Tube Nut w/ packing	1
39-70006	Molded Plastic Case	1
W944	Workshop Manual	1

## RAW WATER PUMP REBUILD KITS

Raw water pumps face the brunt of the hostile marine environment and often need to be rebuilt before other components on your Northern Lights. The Spare Parts Kit includes impellers and gaskets. In addition, it's a good idea to keep a Raw Water Pump Rebuild Kit on board. Kit includes impeller, gasket, face plate, bearings and seals.

Kit No.	Pump No.	Fits
25-12010	25-12007	M643D, M673L
25-12004	25-12057 & 25-15405	M753, M773L, M843N, M844, M844L, M864
25-11216	25-11202	M944W, M944T