

# Be Prepared with a Northern Lights **On-Board Spare Parts Kit**

## **Just in case...**

Anyone who takes the sea seriously keeps a spare parts kit onboard – no matter how reliable their genset.

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 4.5 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.

If you're heading to the farthest reaches of the world's waters, ask about our **World Class Spares Kits**. These kits include many more parts and are designed for the owner who goes on long range cruises.



▲ **Top:** Now when you buy a Northern Lights Standard Spare Parts Kit for a 4.5-20 kW genset, the parts come in a special heavy-duty non-corrosive case. It keeps your spares, manuals and maintenance logs organized and within easy reach.

◀ **Left:** Standard kit for Northern Lights M673K.

**NORTHERN LIGHTS**  
®



# On-Board Spare Parts Kits for Marine Generator Sets

## M643K/M673K Standard

Heat Exchanged  
Kit #38-08005

*Free Case*

PART NO.	DESCRIPTION	QTY
24-02001	Oil Filter	4
24-52020	Fuel Filter	2
40-02002	Drive Belt	1
145206062	Thermostat	1
111996340	Gasket, Rocker Arm Cover	2
25-12031	Water pump Cover O-Ring	2
135996730	Exhaust Manifold Gasket	1
25-12009	Impeller	2
24-28300	Air Filter Element	1
21-12010	Zinc Anode	2

## M753K Standard

Heat Exchanged  
Kit #38-08201

*Free Case*

PART NO.	DESCRIPTION	QTY
24-02001	Oil Filter	4
24-52020	Fuel Filter	2
40-08201	Drive Belt	1
24-22003	Air Filter	1
145206022	Thermostat	1
145996590	O-Ring	1
111996290	Gasket	1
145996270	Gasket	1
145996280	Gasket	1
25-12060	Impeller	2
25-12067	O-Ring, Raw Water Pump	2
21-12010	Zinc Anode	2

## M843NK Standard

Heat Exchanged  
Kit #38-03103

*Free Case*

PART NO.	DESCRIPTION	QTY
24-03100	Oil Filter	4
24-52020	Fuel Filter	2
40-02003	Drive Belt	1
24-23102	Element, Air Filter	1
145206022	Thermostat	1
052109064	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller	2
25-12067	O-Ring, Raw Water Pump Cover	2

## M643K/M673K World Class

Heat Exchanged  
Kit #38-08006

PART NO.	DESCRIPTION	QTY
24-02001	Oil Filter	4
135996730	Gasket, Exhaust Manifold	1
40-02002	Drive Belt	1
145206062	Thermostat	1
25-12031	Water pump Cover O-Ring	2
24-28300	Air Filter Element	2
21-12010	Zinc Anode	6
22-68304	Carbon Brush Assembly	1
25-12009	Impeller	2
185366060	Glow Plug 12V	3
131406350	Injector Assembly	3
24-52020	Fuel Filter	2
111996340	Gasket, Rocker Arm Cover	2
130506140	Fuel Lift Pump	1
195906591	Gasket Kit	1
130996070	Gasket	1
25-12007	Raw Water Pump	1
052400400	O-Ring	1
22-42047	Relay, SPDT 12V	1

## M753K World Class

Heat Exchanged  
Kit #38-08200

PART NO.	DESCRIPTION	QTY
24-02001	Oil Filter	4
111996290	Gasket, Rocker Arm Cover	2
40-08201	Drive Belt	1
145206022	Thermostat	1
145996590	O-Ring	1
145996270	Gasket	1
24-22003	Air Filter	2
21-12010	Zinc Anode	6
25-12067	O-Ring, Raw Water Pump Cover	2
25-12060	Impeller	2
185366060	Glow Plug 12V	3
131406330	Injector	3
24-52020	Fuel Filter	2
195906430	Gasket Kit	1
130506140	Fuel Lift Pump	1
145996280	Gasket	1
130996070	Gasket	1
25-12057	Raw Water Pump	1
052300700	O-Ring	1
22-42047	Relay, SPDT 12V	1

## M843NK World Class

Heat Exchanged  
Kit #38-03105

PART NO.	DESCRIPTION	QTY
24-03100	Oil Filter	4
052109064	Gasket, Rocker Arm Cover	2
40-02003	Drive Belt	1
145206022	Thermostat	1
24-23102	Element, Air Filter	2
25-12067	O-Ring, Raw Water Pump Cover	2
25-12060	Impeller	2
185366060	Glow Plug 12V	3
131406360	Injector	3
24-52020	Fuel Filter	2
29-03100	Gasket Kit	1
130506140	Fuel Lift Pump	1
11-13101	Gasket, Thermostat Cover	1
130996070	Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V	1

**Kits for Keel Cooled sets do not include raw water pump parts. See Chart on page 4 for Keel Cooled kit numbers.**

**Protect your equipment. Use only genuine Luger/Northern Lights 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 acquired separately.



# On-Board Spare Parts Kits for Marine Generator Sets

## M843JK Standard

Heat Exchanged  
Kit #38-03108

*Free Case*

PART NO.	DESCRIPTION	QTY
24-03100	Oil Filter	4
24-52020	Fuel Filter	2
080109067	Drive Belt	1
24-23102	Element, Air Filter	1
145206022	Thermostat	1
052109064	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller	2
25-12067	O-Ring, Raw Water Pump Cover	2

## M844K Standard

Heat Exchanged  
Kit #38-08100

*Free Case*

PART NO.	DESCRIPTION	QTY
24-03100	Oil Filter	4
24-52020	Fuel Filter	2
40-02003	Drive Belt	1
24-28101	Air Filter Element	1
145206022	Thermostat	1
052109072	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller	2
25-12067	O-Ring, Raw Water Pump Cover	2

## M844LK Standard

Heat Exchanged  
Kit #38-08400

*Free Case*

PART NO.	DESCRIPTION	QTY
24-03100	Oil Filter	4
24-52020	Fuel Filter	2
40-08403	Drive Belt	1
24-28101	Air Filter Element	1
145206022	Thermostat	1
052109072	Gasket, Rocker Arm Cover	2
11-13101	Gasket, Thermostat Cover	1
25-12060	Impeller	2
25-12067	O-Ring, Raw Water Pump Cover	2

## M843JK World Class

Heat Exchanged  
Kit #38-03110

PART NO.	DESCRIPTION	QTY
24-03100	Oil Filter	4
052109064	Gasket, Rocker Arm Cover	2
080109067	Drive Belt	1
145206022	Thermostat	1
24-23102	Element, Air Filter	2
25-12067	O-Ring, Raw Water Pump Cover	2
25-12060	Impeller	2
185366060	Glow Plug 12V	3
131406360	Injector	3
24-52020	Fuel Filter	2
29-03100	Gasket Kit	1
130506140	Fuel Lift Pump	1
11-13101	Gasket, Thermostat Cover	1
130996070	Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V	1

## M844K World Class

Heat Exchanged  
Kit #38-08105

PART NO.	DESCRIPTION	QTY
24-03100	Oil Filter	4
052109072	Gasket, Rocker Arm Cover	2
40-02003	Drive Belt	1
145206022	Thermostat	1
11-13101	Gasket, Thermostat Cover	1
24-28101	Air Filter Element	1
25-12067	O-Ring, Raw Water Pump Cover	2
25-12060	Impeller	2
185366060	Glow Plug 12V	4
131406360	Injector	4
24-52020	Fuel Filter	2
130506140	Fuel Lift Pump	1
130996070	Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V	1
29-08100	Gasket Set	1

## M844LK World Class

Heat Exchanged  
Kit #38-08405

PART NO.	DESCRIPTION	QTY
24-03100	Oil Filter	4
052109072	Gasket, Rocker Arm Cover	2
40-08403	Drive Belt	1
145206022	Thermostat	1
11-13101	Gasket, Thermostat Cover	1
24-28101	Air Filter Element	1
25-12067	O-Ring, Raw Water Pump Cover	2
25-12060	Impeller	2
185366060	Glow Plug 12V	4
131406360	Injector	4
24-52020	Fuel Filter	2
130506140	Fuel Lift Pump	1
130996070	Gasket	1
25-12057	Raw Water Pump	1
16-13101	O-Ring	1
22-42047	Relay, SPDT 12V	1
29-08100	Gasket Set	1

**Kits for Keel Cooled sets do not include raw water pump parts. See Chart on page 4 for Keel Cooled kit numbers.**

**Protect your equipment. Use only genuine Luger/Northern Lights 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 acquired separately.

## M984K Standard

### Kit #38-75405

#### Heat Exchanged

PART NO.	DESCRIPTION	QTY
24-05401	Oil Filter	4
24-52020	Fuel Filter	2
40-05403	Drive Belt	1
24-25402	Air Filter Element	1
35-10002	Thermostat	1
112137830071	Gasket, Rocker Arm Cover	1
11-10015	Thermostat Seal Ring	1
25-12060	Impeller	2
25-12067	O-Ring, Raw Water Pump Cover	2
21-12010	Zinc Electrode	2

## M984K World Class

### Kit #38-75425

#### Heat Exchanged

PART NO.	DESCRIPTION	QTY
24-05401	Oil Filter	4
24-52020	Fuel Filter	2
40-05403	Drive Belt	1
24-25402	Air Filter Element	2
35-10002	Thermostat	1
112137830071	Gasket, Rocker Arm Cover	1
11-10015	Thermostat Seal Ring	1
25-12060	Impeller	2
25-12067	O-Ring, Raw Water Pump Cover	2
21-12010	Zinc Electrode	4
236007830071	Fuel Injector	4
25-15405	Raw Water Pump	1
16-15401	O-Ring	1
22-420047	Relay SPDT 12VDC 50A	1
29-05410	M984K Gasket Kit	1

# On-Board Spare Parts Kits Quick Reference Chart

Genset Model	Standard Kits		World Class Kits	
	Heat Exchanged	Keel Cooled	Heat Exchanged	Keel Cooled
<b>M643K, M673K</b>	38-08005	38-08007	38-08006	38-08008
<b>M753K</b>	38-08201	38-08203	38-08200	38-08202
<b>M843JK</b>	38-03108	38-03109	38-03110	38-03111
<b>M843NK</b>	38-03103	38-03104	38-03105	38-03106
<b>M844K</b>	38-08100	38-08110	38-08105	38-08115
<b>M844LK</b>	38-08400	38-08410	38-08405	38-08415
<b>M984K</b>	38-75405	38-75415	38-75425	38-75435
<b>L984D</b>	N/A	N/A	N/A	38-75440
<b>M-L439 D</b>	—	—	38-42392 <sup>1</sup>	38-42391 <sup>1</sup>
<b>M-L439 T</b>	—	—	38-42393 <sup>1</sup>	38-42394 <sup>1</sup>
<b>M-L445 All</b>	—	—	38-42762 <sup>1</sup>	38-42761 <sup>1</sup>
<b>M-L668 D,T</b>	—	—	38-64142 <sup>1</sup>	38-64141 <sup>1</sup>

<sup>1</sup> Check with factory for models purchased prior to April 1995.  
Note: For models not listed please check with factory.

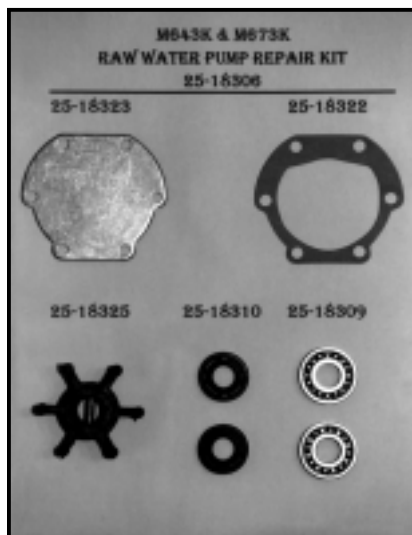
### PROTECT YOUR EQUIPMENT.

Use only genuine Luger/Northern Lights filters and replacement parts.

#### Note:

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Spares for custom and optional equipment should be specified and acquired separately.



## 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.

Pump No.	Kit No.	Fits
25-18305	25-18306	M643K, M673K
25-12057	25-12004	Various 8-20 kW
25-15405	25-12004	Various 20-32 kW



Order your *On Board Spare Parts Kit* through your local Northern Lights dealer.