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HEATER REPAIR SERVICE

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Service Information

Audience:

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REF: MV/260126

SUBJECT: Eberspächer Espar Airtronic Air Heater Upgrade Guide

Pre-Airtronic and generation 1 Airtronic heater versions are now 20+ years old which can result in a heater being beyond economical repair, or repair parts have become obsolete.

To be able to correctly identify the Eberspächer Espar heater you need to find the heater data plate.



The heater data plate can be found on the side or top of the heater casing. The data plate will provide the following information:

- Heater Type (i.e. Airtronic)
- Heater Version (i.e. D2)
- Serial Number (#####XX)
- Fuel Type (Diesel / Petrol Gasoline)
- Rated Voltage (12v / 24v)
- Power Output (2.2kw / 4kw / 5kw)

Applicable Heater Model Numbers

Model Name	Model Number	Model Name	Model Number
Eberspächer D1L 12v	251384050000 251637050000	Eberspächer D1L 24v	251385050000 251638050000
Eberspächer D1LC 12v	251835050000 251830050000	Eberspächer D1LC 24v	251836050000 251831050000
Eberspächer D1LC Compact 12v	251976050000 251979050000	Eberspächer D1LC Compact 24v	251977050000 251978050000
Eberspächer D3L 12v	251482010000 251484010000 251640010000 251738010000	Eberspächer D3L 24v	251483010000 251485010000 251573010000 251641010000 251642010000 251739010000
Eberspächer D3LC 12v	251867050000	Eberspächer D3LC 24v	251844050000
Eberspächer D3LC Compact 12v	251980050000	Eberspächer D3LC Compact 24v	251981050000
Eberspächer D5L 12v	251729050000	Eberspächer D5L 24v	251730050000
Eberspächer D5LC 12v	251861050000	Eberspächer D5LC 24v	251862050000
Eberspächer Airtronic D2 12v	252069050000 252675040000	Eberspächer Airtronic D2 24v	252069050000 252675040000
Eberspächer Airtronic D4 12v	252113050000	Eberspächer Airtronic D4 24v	252114050000
Eberspächer Airtronic D4S 12v	252484050000	Eberspächer Airtronic D4S 24v	252145050000 252498050000
Eberspächer Airtronic D5 L 12v	252361050000	Eberspächer Airtronic D5 L 24v	252362050000
Eberspächer Airtronic S2 D2L 12v	252721050000	Eberspächer Airtronic S2 D2L 24v	252726050000
Eberspächer Airtronic M2 D4L 12v	252720050000	Eberspächer Airtronic M2 D4L 24v	252145050000
Eberspächer Airtronic M2 D4R 12v	252746050000	Eberspächer Airtronic M2 D4R 24v	252498050000
		Eberspächer D8LC 24v	251891000000



Eberspacher Air Heater changeover table by Heater Type with closest kw output:

Key:

(*) – lower kw output upgrade to new heater version

(**) – higher kw output upgrade to new heater version

Non-Airtronic Heater Models				
Old Heater Version	Serial Number	New Heater Version (2026):	Upgrade Notes	Links
Eberspacher D1L 12v	251384050000 251637050000	Eberspacher Airtronic S3 D2L 12v 252953050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D1L 24v	251385050000 251638050000	Eberspacher Airtronic S3 D2L 24v 252954050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D1LC 12v	251835050000 251830050000	Eberspacher Airtronic S3 D2L 12v 252953050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D1LC 24v	251836050000 251831050000	Eberspacher Airtronic S3 D2L 24v 252954050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D1LC Compact 12v	251976050000 251979050000	Eberspacher Airtronic S3 D2L 12v 252953050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D1LC Compact 24v	251977050000 251978050000	Eberspacher Airtronic S3 D2L 24v 252954050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D3L 12v (Typically 75mm outlet)	251482010000 251484010000 251640010000 251738010000	Eberspacher Airtronic M3 D4R 12v 252957050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D3L 24v (Typically 75mm outlet)	251483010000 251485010000 251573010000 251641010000 251642010000 251739010000	Eberspacher Airtronic M3 D4L 24v 252956050000 *(90mm) Eberspacher Airtronic M3 D4R 24v 252958050000 (75mm)	Complete refit, wiring harness, fuel pump and controller must be replaced. *M3 D4L requires 90mm outlet hood	Unit Upgrade Vehicle Marine
Eberspacher D3LC 12v (Typically 75mm outlet)	251867050000	Eberspacher Airtronic M3 D4R 12v 252957050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D3LC 24v (Typically 75mm outlet)	251844050000	Eberspacher Airtronic M3 D4L 24v 252956050000 *(90mm) Eberspacher Airtronic M3 D4R 24v 252958050000 (75mm)	Complete refit, wiring harness, fuel pump and controller must be replaced. *M3 D4L requires 90mm outlet hood	Unit Upgrade Vehicle Marine
Eberspacher D3LC Compact 12v (Typically 75mm outlet)	251980050000	Eberspacher Airtronic M3 D4R 12v 252957050000	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade Vehicle Marine
Eberspacher D3LC Compact 24v (Typically 75mm outlet)	251981050000	Eberspacher Airtronic M3 D4L 24v 252956050000 *(90mm) Eberspacher Airtronic M3 D4R 24v 252958050000 (75mm)	Complete refit, wiring harness, fuel pump and controller must be replaced. *M3 D4L requires 90mm outlet hood	Unit Upgrade Vehicle Marine
Eberspacher D5L 12v	251729050000	Eberspacher Airtronic M3 D4R 12v 252957050000 (4kw heat output) Eberspacher Airtronic L3 D6L 12v 252959050000 (6kw heat output)	Complete refit, wiring harness, fuel pump and controller must be replaced. *M3 D4R can operate correctly with 90mm or 75mm outlet hood	Unit Upgrade* Upgrade** Vehicle Marine
Eberspacher D5L 24v	251730050000	Eberspacher Airtronic M3 D4L 24v 252956050000 (4kw heat output) Eberspacher Airtronic L3 D6L 24v 252960050000 (6kw heat output)	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade* Upgrade** Vehicle Marine



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Continues page 3.

Eberspacher D5LC 12v	251861050000	Eberspacher Airtronic M3 D4R 12v 252957050000 (4kw heat output) Eberspacher Airtronic L3 D6L 12v 252959050000 (6kw heat output)	Complete refit, wiring harness, fuel pump and controller must be replaced. *M3 D4R can operate correctly with 90mm or 75mm outlet hood	Unit Upgrade* Upgrade** Vehicle Marine
Eberspacher D5LC 24v	251862050000	Eberspacher Airtronic M3 D4L 24v 252956050000 (4kw heat output) Eberspacher Airtronic L3 D6L 24v 252960050000 (6kw heat output)	Complete refit, wiring harness, fuel pump and controller must be replaced.	Unit Upgrade* Upgrade** Vehicle Marine
Eberspacher D8LC 24v	251891000000	Eberspacher Airtronic XL3 D8L 24v 253020050000	Complete refit, wiring harness, fuel pump and controller must be replaced. *Marine heater package available upon request	Unit Vehicle



Airtronic 1 Heater Versions				
Old Heater Version	Serial Number	New Heater Version (2026):	Upgrade Notes	Links
Eberspacher Airtronic D2 12v	252069050000 252675040000	Eberspacher Airtronic S3 D2L 12v 252953050000	Changeover harness available, when used only heater and fuel pump require replacement.	Unit Upgrade Vehicle Marine
Eberspacher Airtronic D2 24v	252070050000 252676040000	Eberspacher Airtronic S3 D2L 24v 252954050000	Changeover harness available, when used only heater and fuel pump require replacement.	Unit Upgrade Vehicle Marine
Eberspacher Airtronic D4 12v	252113050000	Eberspacher Airtronic M3 D4R 12v 252957050000 (75mm or 90mm outlet) Eberspacher Airtronic M3 D4L 12v 252955050000 (90mm outlet only)	Changeover harness available, when used only heater and fuel pump require replacement.	Unit Upgrade Vehicle Marine
Eberspacher Airtronic D4 24v	252114050000	Eberspacher Airtronic M3 D4R 24v 252958050000 (75mm or 90mm outlet) Eberspacher Airtronic M3 D4L 24v 252956050000 (90mm outlet only)	Changeover harness available, when used only heater and fuel pump require replacement.	Unit Upgrade Vehicle Marine
Eberspacher Airtronic D4S 12v	252144050000 252484050000	Eberspacher Airtronic M3 D4R 12v 252957050000 (75mm or 90mm outlet)	Changeover harness available, when used only heater and fuel pump require replacement.	Unit Upgrade Vehicle Marine
Eberspacher Airtronic D4S 24v	252145050000 252498050000	Eberspacher Airtronic M3 D4R 24v 252958050000 (75mm or 90mm outlet) Eberspacher Airtronic M3 D4L 24v 252956050000 (90mm outlet only)	Changeover harness available, when used only heater and fuel pump require replacement. *M3 D4L requires 90mm outlet hood	Unit Upgrade Vehicle Marine
Eberspacher Airtronic D5 L 12v	252361050000	Eberspacher Airtronic L3 D6L 12v 252959050000	Changeover harness available, when used only heater and fuel pump require replacement.	Unit Upgrade Vehicle Marine
Eberspacher Airtronic D5 L 24v	252362050000	Eberspacher Airtronic L3 D6L 24v 252960050000	Changeover harness available, when used only heater and fuel pump require replacement.	Unit Upgrade Vehicle Marine

Airtronic 2 Heater Versions				
Old Heater Version	Serial Number	New Heater Version (2026):	Upgrade Notes	Links
Eberspacher Airtronic S2 D2L 12v	252721050000	Eberspacher Airtronic S3 D2L 12v 252953050000	Connects to same wiring harness, no changeover harness required, only heater and fuel pump require replacement.	Unit Vehicle Marine
Eberspacher Airtronic S2 D2L 24v	252726050000	Eberspacher Airtronic S3 D2L 24v 252954050000	Connects to same wiring harness, no changeover harness required, only heater and fuel pump require replacement.	Unit Vehicle Marine

Continues page 4.

Eberspacher Airtronic M2 D4L 12v	252720050000	Eberspacher Airtronic M3 D4R 12v 252957050000 (75mm or 90mm outlet) Eberspacher Airtronic M3 D4L 12v 252955050000 (90mm outlet only)	Connects to same wiring harness, no changeover harness required, only heater and fuel pump require replacement.	Unit Vehicle Marine
Eberspacher Airtronic M2 D4L 24v	252729050000	Eberspacher Airtronic M3 D4R 24v 252958050000 (75mm or 90mm outlet) Eberspacher Airtronic M3 D4L 24v 252956050000 (90mm outlet only)	Connects to same wiring harness, no changeover harness required, only heater and fuel pump require replacement. *M3 D4L requires 90mm outlet hood	Unit Vehicle Marine
Eberspacher Airtronic M2 D4R 12v	252746050000	Eberspacher Airtronic M3 D4R 12v 252957050000 (75mm or 90mm outlet)	Connects to same wiring harness, no changeover harness required, only heater and fuel pump require replacement.	Unit Vehicle Marine

Please note -

Service document for use as guidance only.

Heater options linked in the table above may require additional parts to successfully replace an existing heating system or complete a new installation. Every heater installation has its own requirements. If you have any questions and require additional support with your heating system, please Butler Technik.

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