

S2 or S3 D2L Airtronic Install Kit



Kit Contents

Mounting

Wiring System

Fuel System

Exhaust System

Air Ducting

Roton
Industries Ltd.

www.roton.ca

**S2 or S3 D2L Airtronic
Install Kit Diagrams**

Nov 2025

Page 1 of 10

S2 or S3 D2L Airtronic – Kit Contents

Heater Mount Bracket	Aluminium L bracket	1
Mounting Nuts	S/S 6mm	4
Mounting Lock Washers	S/S 6mm	4
Combustion Air Intake Muffler	12" intake hose/muffler	1
Air Intake Safety Screen	60mm O.D.	1
Heater End Hood	60mm O.D.	1
Internal Cable harness	Harness AX2 12/24v	1
Power Harness	2c-12 Terminated	15 ft
Fuel Pump Harness	2c-16 Terminated	15 ft
Controller	Easystart Pro	1
Controller Harness	Easystart Pro Harness	15 ft
Fuel Line Pump to Tank	Polyprop 2mm white	3 ft
Fuel Line Pump to Heater	Polyprop 2mm white	15 ft
Fuel Line Connector	Rubber 3.5mm 2"	3
Fuel Line Adapter	Rubber 3.5mm to 5mm 2"	1
Clamp for Fuel Line Heater Side	S/S 9mm	7
Clamp for Fuel Line Tank Side	S/S 10mm	1
Fuel Pump Mount	Rubber low noise	1
Exhaust Flexible Stainless Steel	30mm double wall	6.5 ft
Exhaust Sleeve	2" fiberglass sock	6.5 ft
Exhaust Elbow	S/S 24mm to 30mm	1
Exhaust Thru-Hull S/S	30mm angled S/S	1
Gasket for Thru-Hull Silicon	45 x 30 x 3 mm	1
Clamp Elbow to Heater	S/S 26mm	1
Clamp Elbow to Thru-Hull	S/S 30-33mm	2
Clamp for Intake Muffler	S/S #12	1
Clamp for Exhaust Sleeve	S/S #24	2
Main Breaker	15 amp	1
Bracket for Breaker	Small S/S	1
Breaker Disconnects	12-10ga Yellow Female	2
Power Ring Terminals	5/16" 12-10ga Yellow	2
Air Ducting	60mm flex high temp	15 ft
Main 60mm hot air outlet	60mm swivel open	1
2nd Outlet	60mm closable flush	1
Y Branch	60mm Y branch	1

2 Kit Options Available

Marine Install Kit (no ducting)

Comes with everything except air ducting.

Marine Install Kit (2 outlet ducting)

Add 15' ducting, outlets, and y-branch to marine kit for a two-outlet installation.

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Install Kit Diagrams**

Nov 2025

Page 2 of 10

S2 or S3 D2L Airtronic – Heater Mount

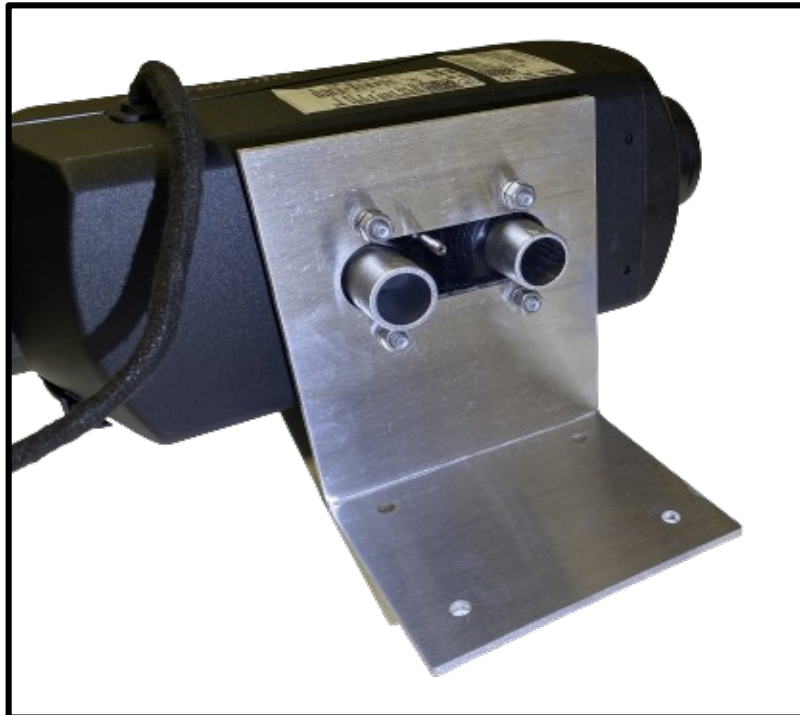
Espar S2/S3 D2L Air



Kit Item
Heater Mounting
Bracket



Kit Item
4 x nuts and lock-washers
Attach bracket to 4 x threaded studs
On underside of heater

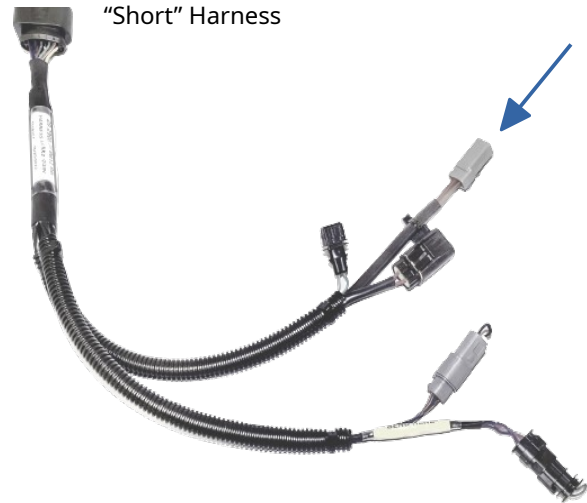


S2 or S3 D2L Airtronic – Wiring (Power)

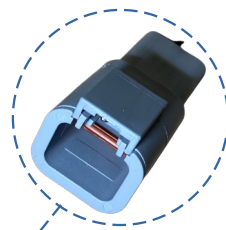
Espar S2/S3 D2L Air



Kit Item
Airtronic Main
"Short" Harness



Detail



Kit Item
Power Harness (15')

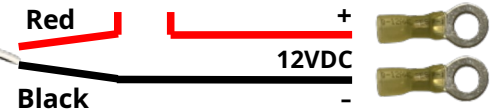


Kit Item
Breaker
Bracket



Kit Item
Main Breaker

Kit Item
Breaker
Disconnects



Kit Item
Ring Terminals

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	<p>Nov 2025</p>
	<p>Page 4 of 10</p>

S2 or S3 D2L Airtronic – Wiring (Fuel Pump)

Espar S2/S3 D2L Air



Kit Item
Airtronic Main
"Short" Harness

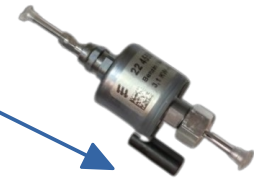


Kit Item
Fuel Pump Harness (15')



Detail

Fuel Pump
Packaged with heater



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	Nov 2025
	Page 5 of 10

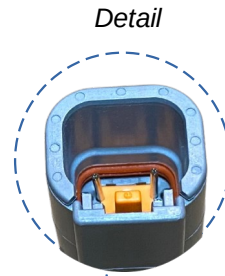
S2 or S3 D2L Airtronic – Wiring (Controller)

Kit Item
EZ Start Pro Controller

Espar S2/S3 D2L Air



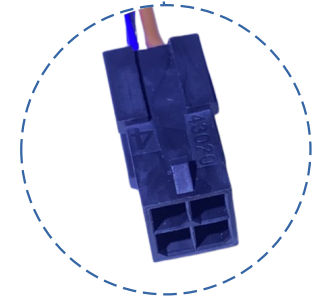
Kit Item
Airtronic Main
"Short" Harness



User-Assembled Plug



Kit Item
Controller
Harness



Detail

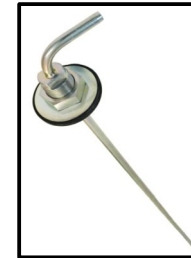
**DO NOT REMOVE
BLACK TERMINATOR PLUG
From this location**

**MOVE GREY TERMINATOR
PLUG**

FROM: Short Harness
TO: Controller Harness

S2 or S3 D2L Airtronic – Fuel System

Espar S2/S3 D2L Air



Add Optional
Fuel Pickup Tube



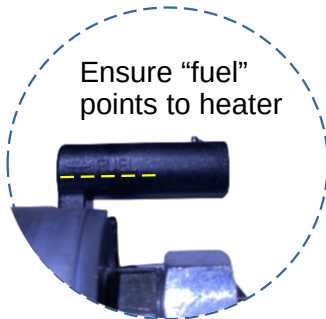
Add Optional
Portable fuel tank

Kit Item
Fuel Line Heater to Pump
15 ft (2mm white)

Kit Item
3 x Rubber 3.5mm 2" Connectors
-Heater to pump to pickup

Kit Item
7 x Fuel Line Clamps 9mm

Kit Item
1x Fuel Line Clamps 10mm



Ensure "fuel" points to heater

Fuel Pump
Packaged with heater

Kit Item
Fuel Line Pump to Tank
3 ft (2mm white)

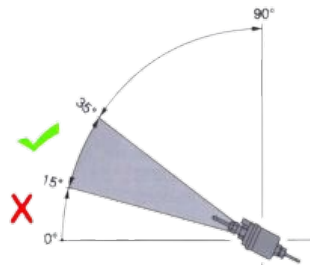
10mm
9mm
To existing diesel tank pickup

Kit Item
1x Rubber 3.5-5mm Adapter
- pickup/tank



Kit Item
Fuel Pump Mount

Pump must be installed with flow spigot upward, between 15 and 35 degrees, to ensure air doesn't get stuck inside.



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	Nov 2025
	Page 7 of 10

S2 or S3 D2L Airtronic – Exhaust System



Espar S2/S3 D2L Air

Kit Item
1 x HAS12 Clamp
For Air Intake



Kit Item
1 x Exhaust Clamp 26mm
Heater to Elbow



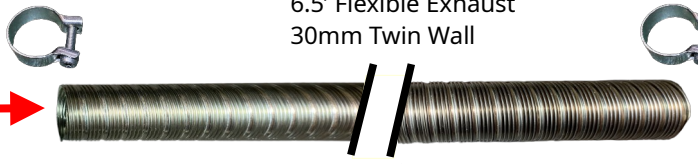
Kit Item
Combustion Air
Intake Muffler



Kit Item
Exhaust Elbow
24mm to 30mm



Kit Item
6.5' Flexible Exhaust
30mm Twin Wall



Kit Item
2 x Exhaust Clamp 30mm
Elbow to Exhaust &
Exhaust to Thru-Hull



Kit Item
Exhaust Thru-Hull
Stainless



Kit Item
6.5' Exhaust Sleeve
2" Fiberglass



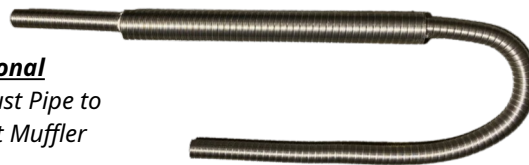
Kit Item
2 x HAS24 Clamps
For exhaust sleeve



Kit Item
Silicone Gasket
For Thru-Hull



Add Optional
Upgrade Exhaust Pipe to
Inline Exhaust Muffler



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	Nov 2025
	Page 8 of 10

S2 or S3 D2L Airtronic – Hot Air Ducting



2 Kit Options:


Marine Install Kit (no ducting)
Comes with everything except air ducting.

OR



Marine Install Kit (2 outlet ducting)
Add 15' ducting, outlets, and y-branch to marine kit for a two-outlet installation.

Air ducting MUST have at least one always-open air outlet.
The always-open outlet should be installed on the straight path of the first y-branch.

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	Nov 2025
	Page 9 of 10

S2 or S3 D2L Airtronic – EasyStart Pro Controller



For complete instructions on this controller:

- please refer to enclosed Espar documentation

General Operation:

- rotate the knob to move cursor or change value
- push the knob to confirm


First Time Activation:

- follow prompts, set date and time, choose “no” for any unknown fields

To Turn Heater ON or OFF:


- Push and hold knob for more than 2 seconds (ring will turn red)

To Change Temperature & Operating Time:

- use knob to select the heat icon  & push to confirm
- select temperature & push to confirm
- select time (infinite can be set by scrolling down past 10 minutes) & push to confirm

Status (Ring) Colors:

- Red = Heating Mode
- Blue = Air Only Mode
- White = System Mode
- Red Flashing = Fault

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	Nov 2025
	Page 10 of 10