

Webasto Heating and Cooling

Installation Guide for Kit Numbers:

- 5014030A – Moscow Harness Kit – NEO 1
- 5014028A – Moscow Harness Kit – NEO 2
- 5014029A – Moscow Harness Kit – NEO 1
- 5014027A – Moscow Harness Kit – NEO 2 (extended harness)
- 5014037A – Moscow Harness Kit – NEO 2+

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	Warning: Cancer and Reproductive Harm. www.P65Warnings.ca.gov
	– Installation and repair of Webasto heating and cooling systems requires special Webasto training, technical information, special tools and special equipment. – NEVER attempt to install or repair Webasto heating or cooling system unless you have the proper certifications, technical skills, tools, and equipment required to properly complete the necessary procedures. – ALWAYS carefully follow Webasto installation and repair instructions and heed all WARNINGS. – Webasto rejects any liability for problems and damage caused by the system being installed by untrained personnel.

INTRODUCTION

General Service and Safety Precautions

WARNING

Never service, repair, or troubleshoot this system unless you are a professional air conditioning/refrigeration service person. Improper servicing can lead to serious injury or death from fire, electric shock, or explosion.

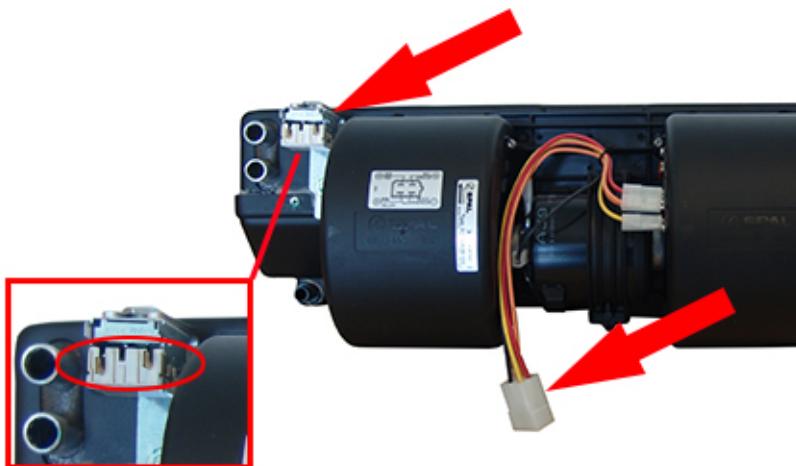
Refrigeration and air conditioning devices are extremely complicated by nature. Servicing, repairing, and Trouble-shooting these products should be done only by those with the necessary knowledge, training, and equipment.

Installation General References

- Disconnect the negative battery cable before performing any work on the vehicle's electrical system.
- Bare sheet metal, for example around drilled holes, must be treated with anti-corrosive coating.
- Secure hoses, cables and wiring harnesses with cable ties and fit protective hoses around them at chafing points.
- Fit edge protectors (split fuel hose, grommet, split-loom, etc.) to sharp edges.
- Replace hose clamps as necessary. Hose clamps should be inspected before re-use. Look for damage to the screw and to the band due to fatigue, corrosion, or improper installation.

SPECIAL NOTES

Warning: All power connections are to be made at the battery.

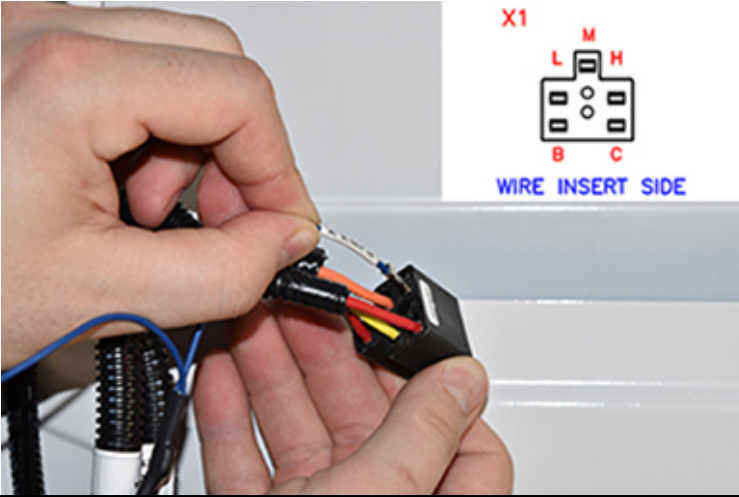
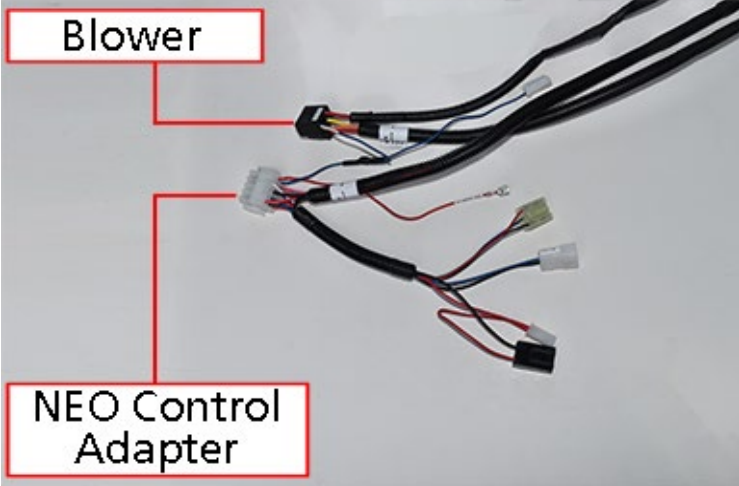
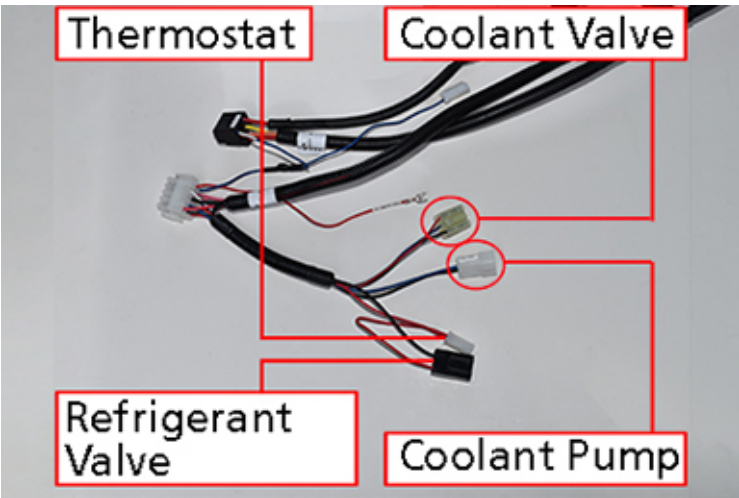


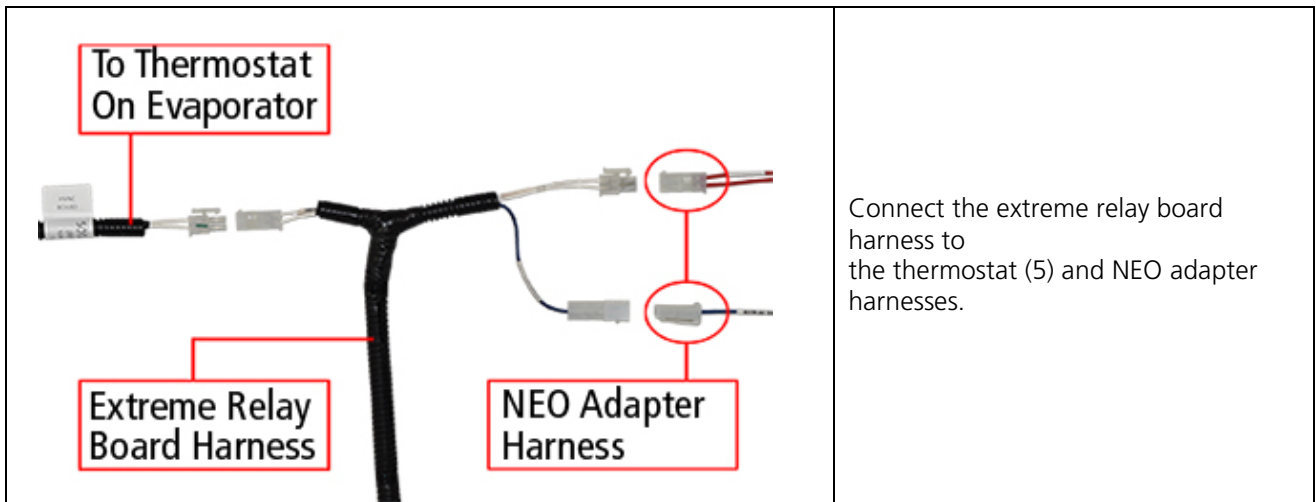
Be sure the thermostat connectors are connected to the brass terminals, not the silver terminals.

When making power connections, the battery connections must be made last. Failure to follow this direction could result in a short circuit and damage to the vehicle or the system being installed.

Before cutting the mounting hole for the controller, be sure there is no structure or wiring behind it that can be damaged.

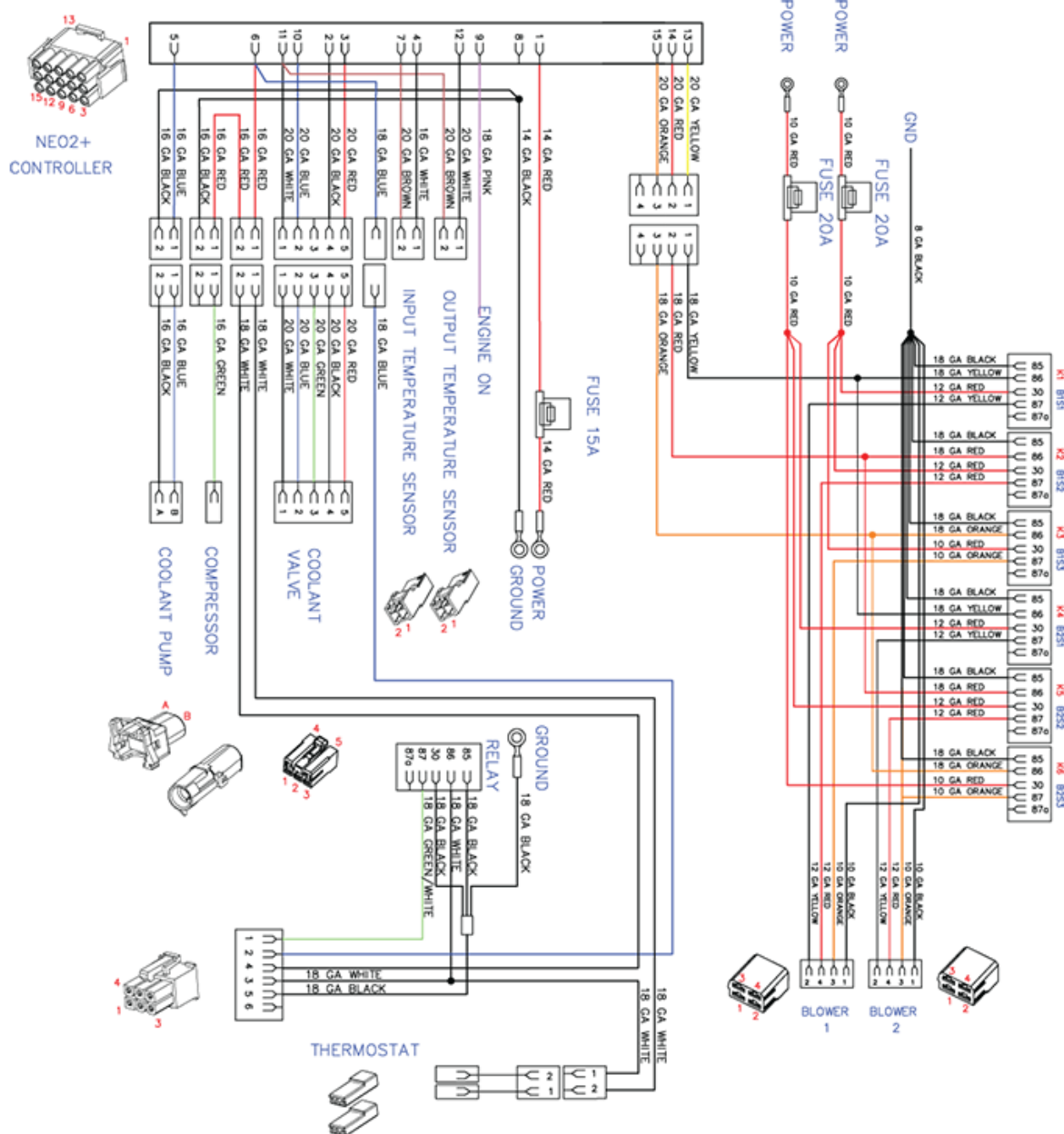
In some cases, not all wiring connectors / wires will be used. In these cases, secure the unused connectors / wires to the wiring harness and protect against damage.

	Insert the blue wire labeled AC BLOWER ON from the NEO adapter harness into cavity C of the blower harness X1 connector.
	Connect the blower harness and NEO adapter harness to the NEO controller. Install the dome light bezel on the package tray.
	Connect the following connectors to the NEO controller adapter harness: - o coolant pump - o coolant valve - o compressor Secure unused connectors to the wire harness as necessary using electrical tape.



VAC Wiring Diagram – NEO 1

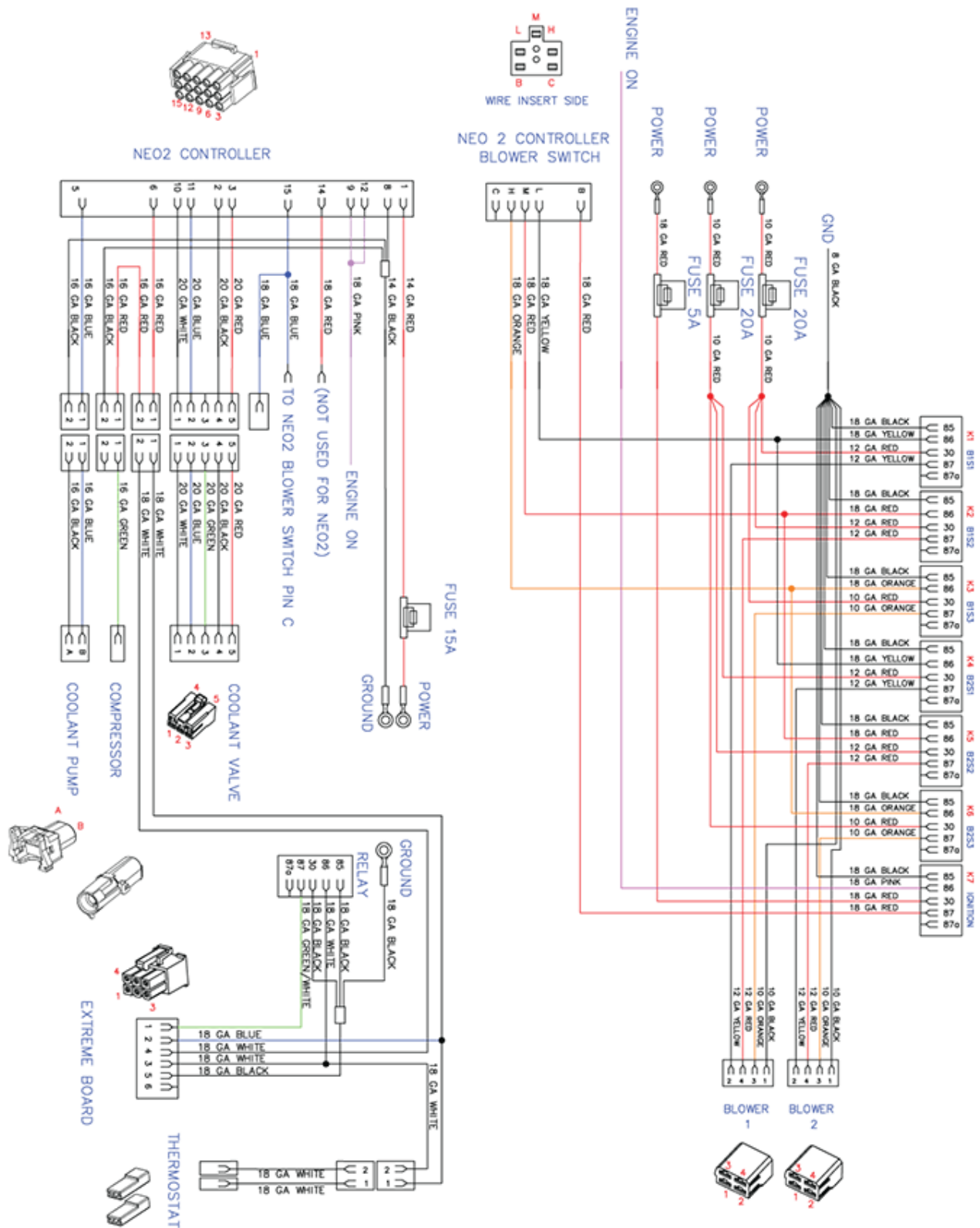
Fig. 1



- **Caution:** All power connections are to be made at the battery.
- Insert the blue wire from connector J2 into pin C of the blower harness NEO connector
- Tape any unused wires or connectors and protect against short-circuits

HVAC Wiring Connections – NEO 2

Fig. 2



Caution: All power connections are to be made at the battery.

HVAC Wiring Diagram – NEO 2+

Fig. 3

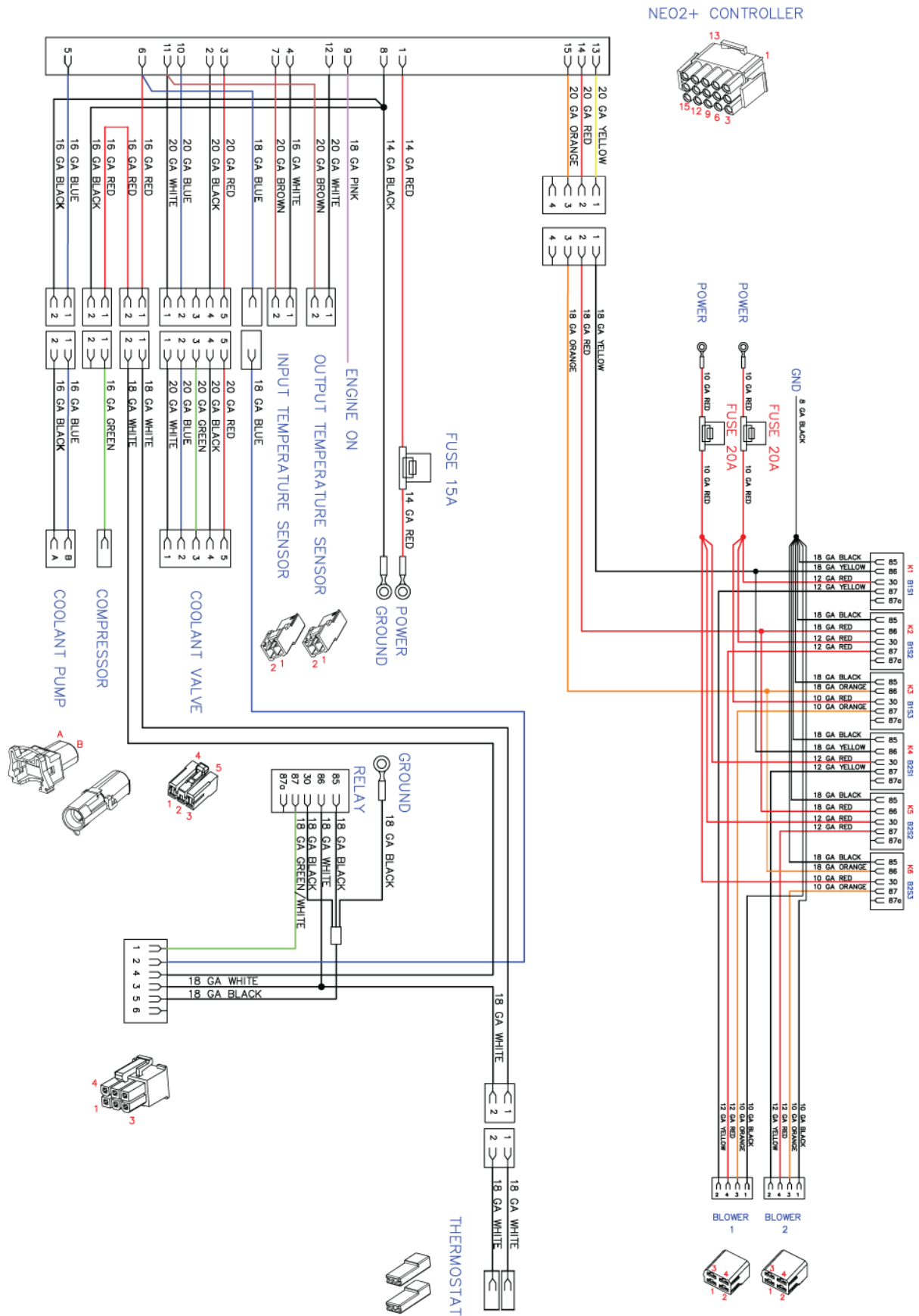
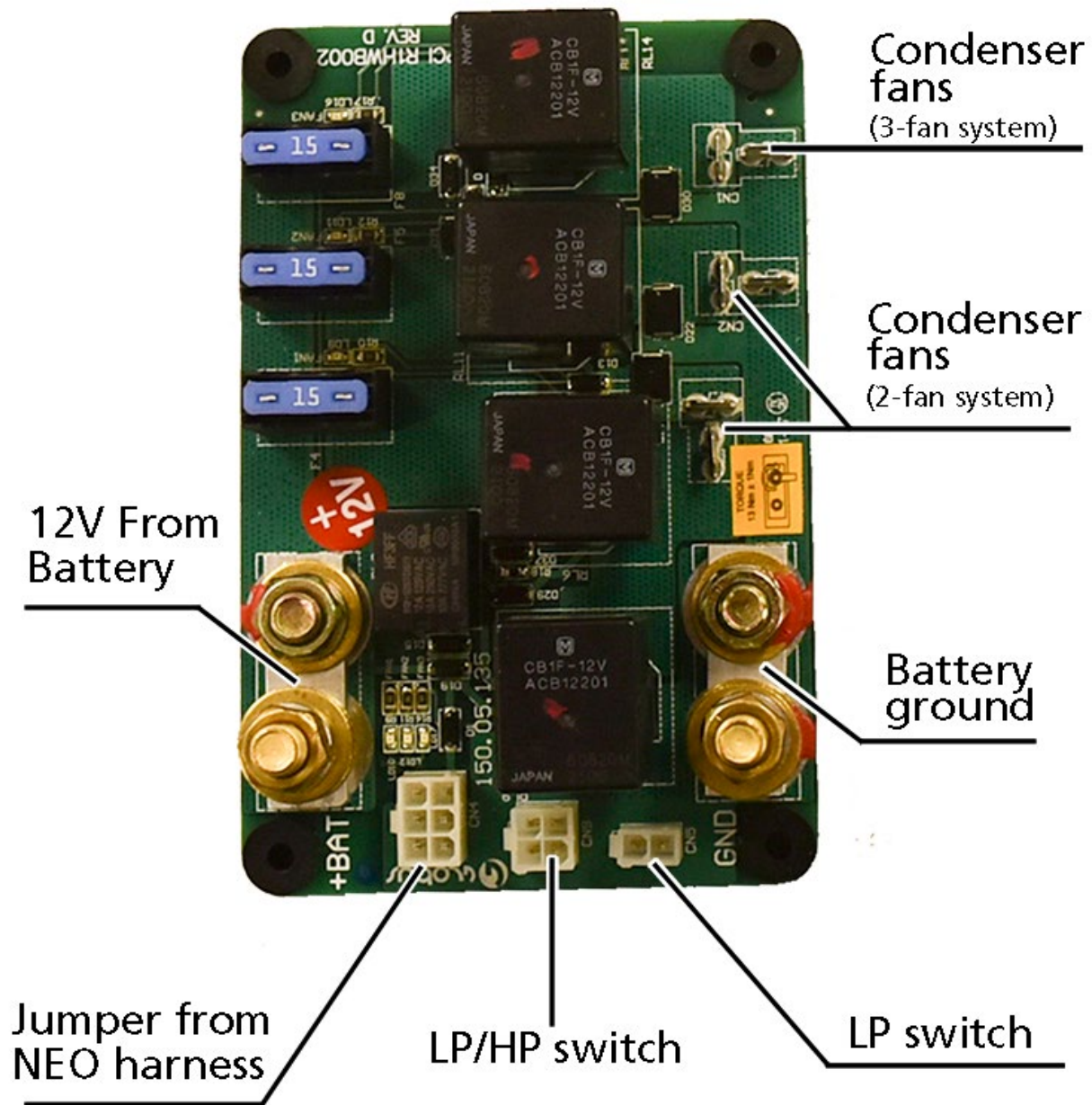


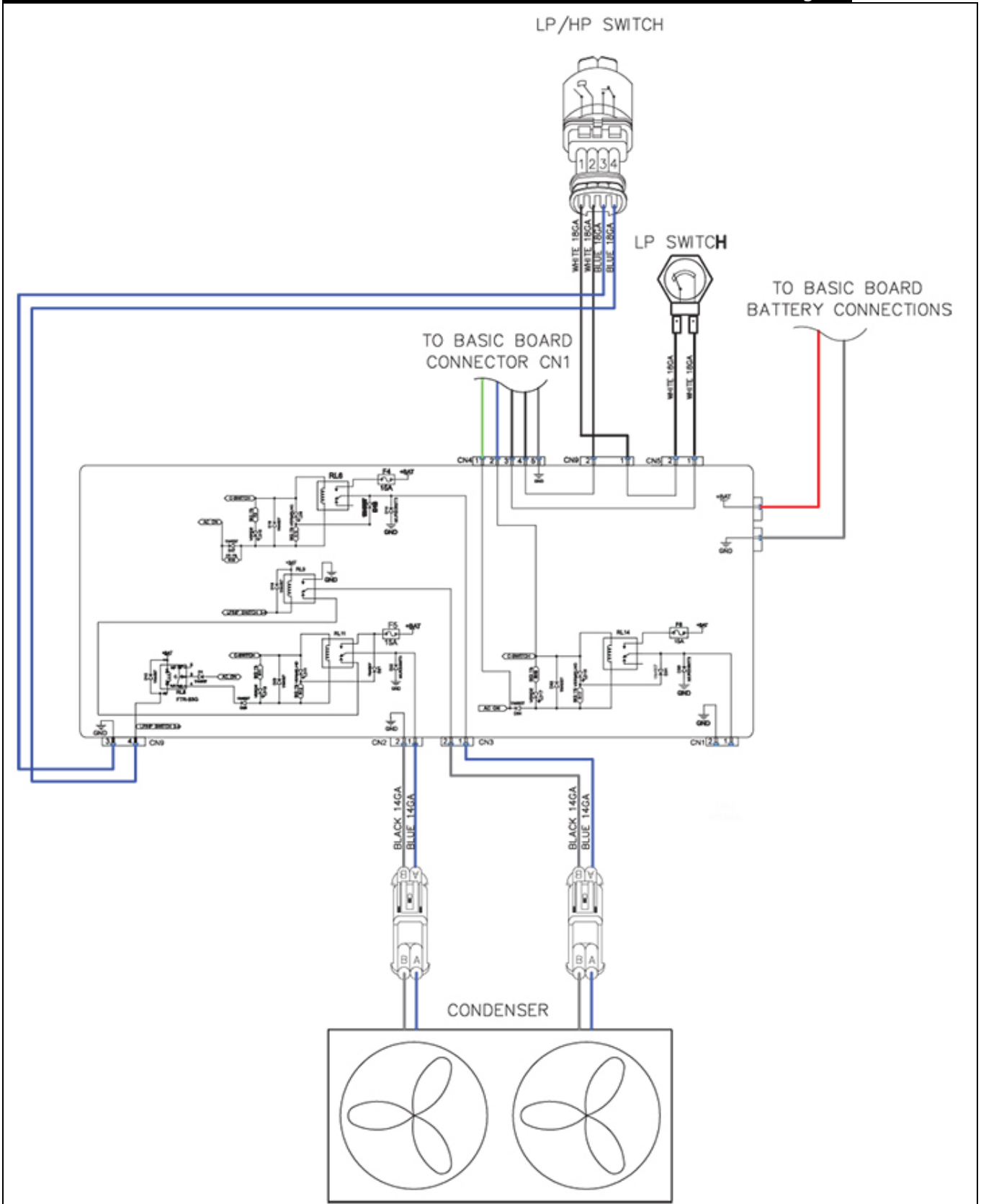
Fig. 4



Caution: All power connections are to be made at the battery. Failure to follow this instruction will cause damage to kit components.

System Diagram HVAC Board Extreme

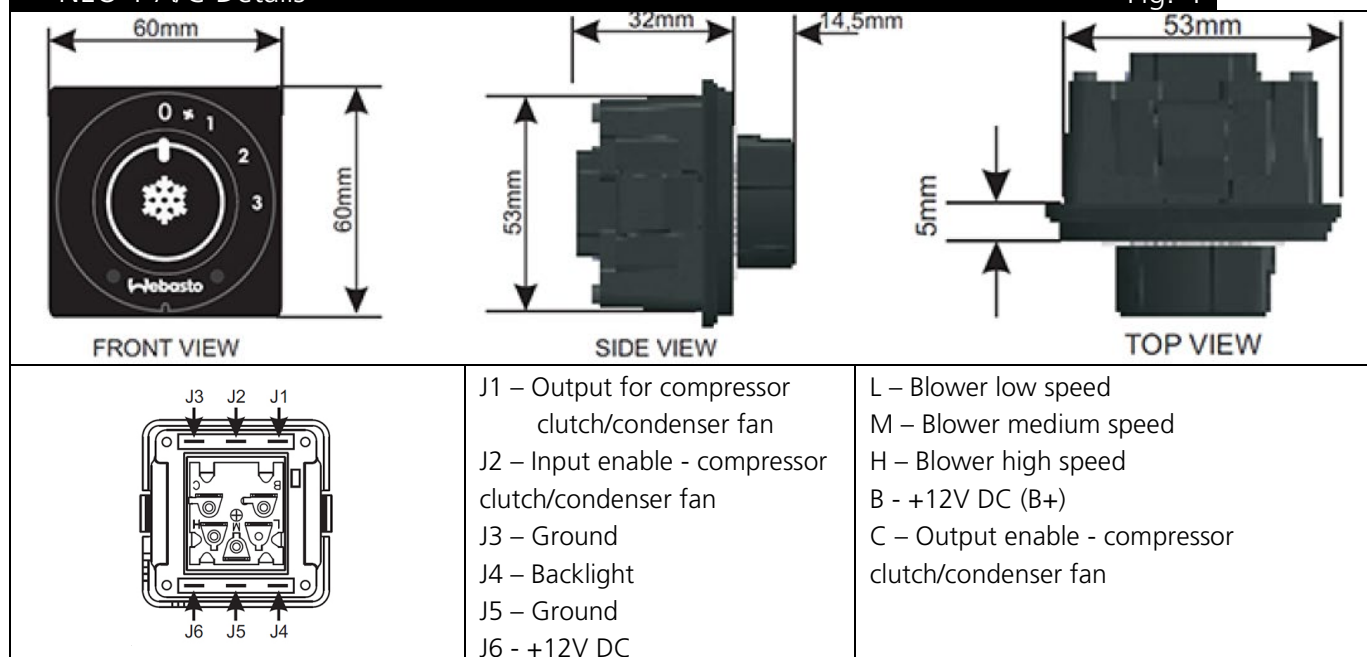
Fig. 5



Caution: All power connections are to be made at the battery. Failure to follow this instruction will cause damage to kit components.

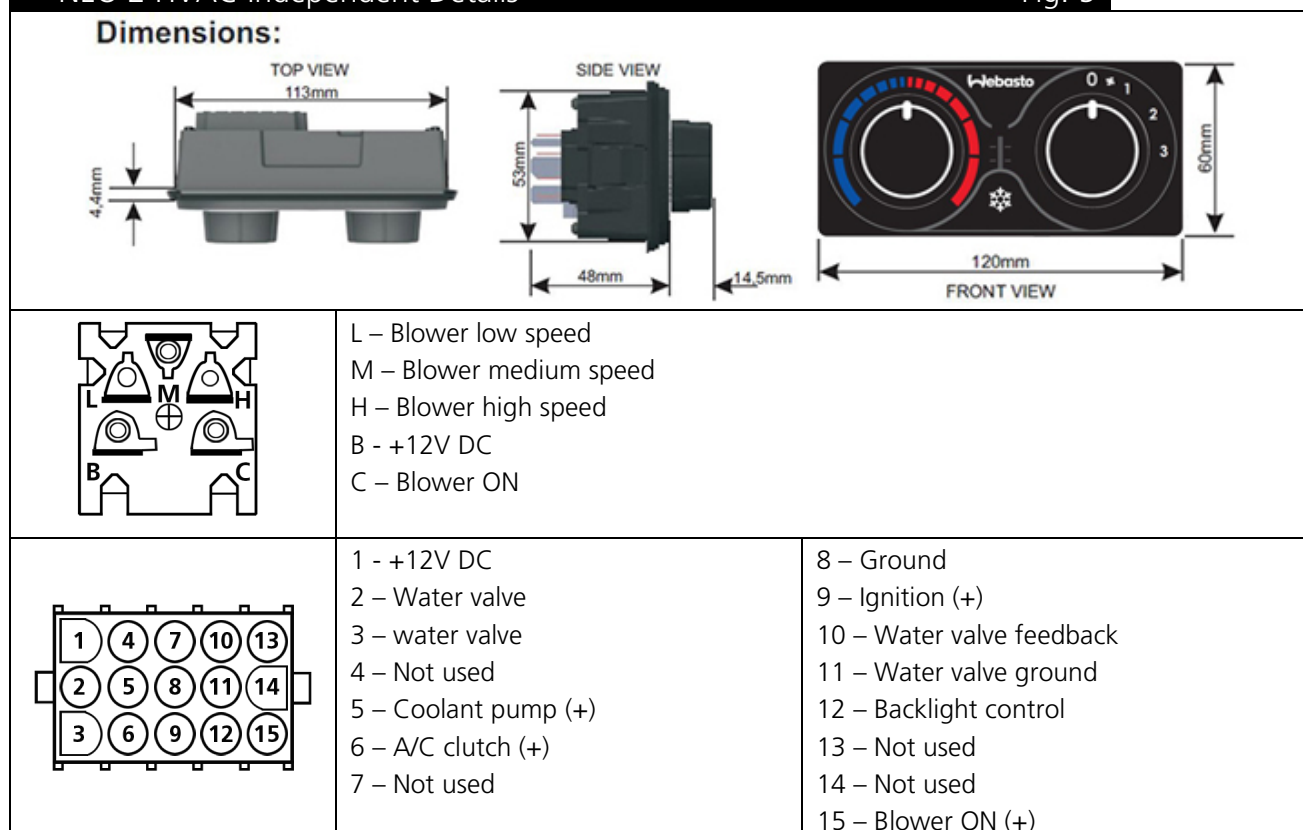
NEO 1 A/C Details

Fig. 4



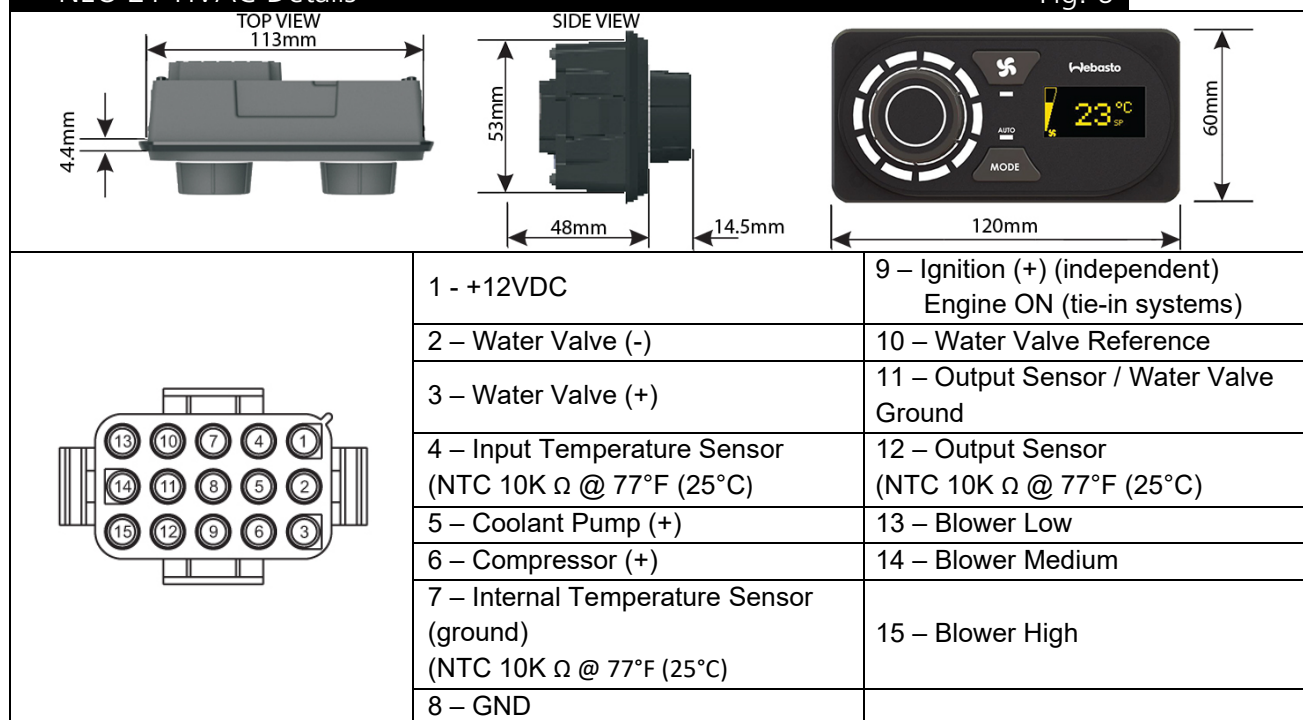
NEO 2 HVAC Independent Details

Fig. 5



NEO 2+ HVAC Details

Fig. 6



If you have any questions, contact our technical support team at (800) 860-7866 or via email at technical@webasto.com.

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