

Webasto Heating and Cooling

Installation Guide for Kit Numbers:

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

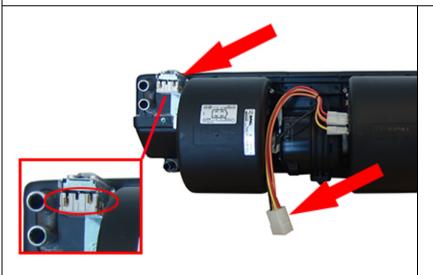
Installation General References

- 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.

Caution: Remove the three 15A fuses from the extreme board and replace them with 20A fuses.



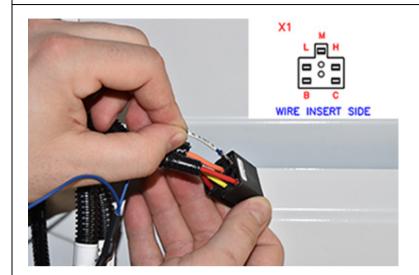
Be sure the thermostat connectors are connected to the brass terminals, not the silver terminals.

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.

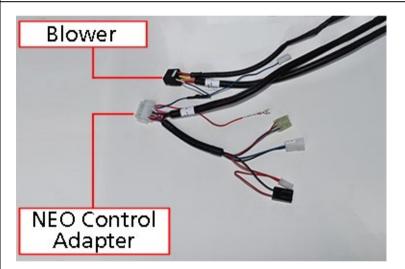
Before cutting the mounting hole for the controller, be sure there is no structure or wiring behind it that can be damaged.



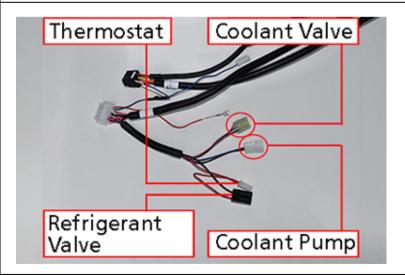
In some cases, not all wiring connectors / wires will be used. In these cases, secure the unused connectors / wires to the wiring harness and protect against damage.



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.



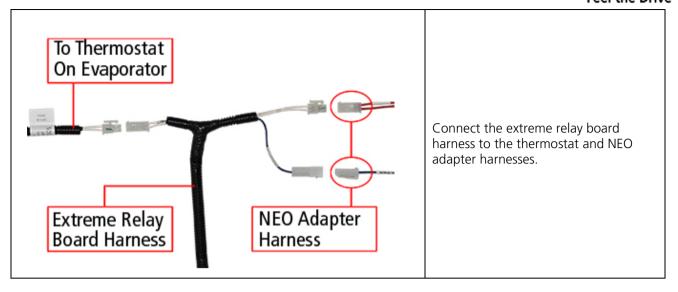
Connect the following connectors to

NEO controller adapter harness:

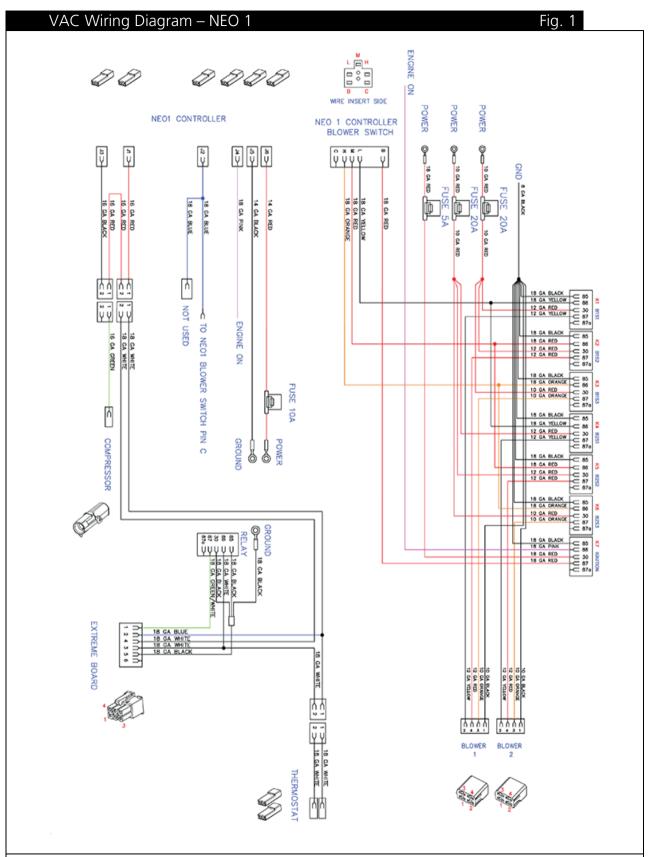
- o coolant pump
- o coolant valve
- o compressor

Secure unused connectors to the wire harness as necessary using electrical tape.



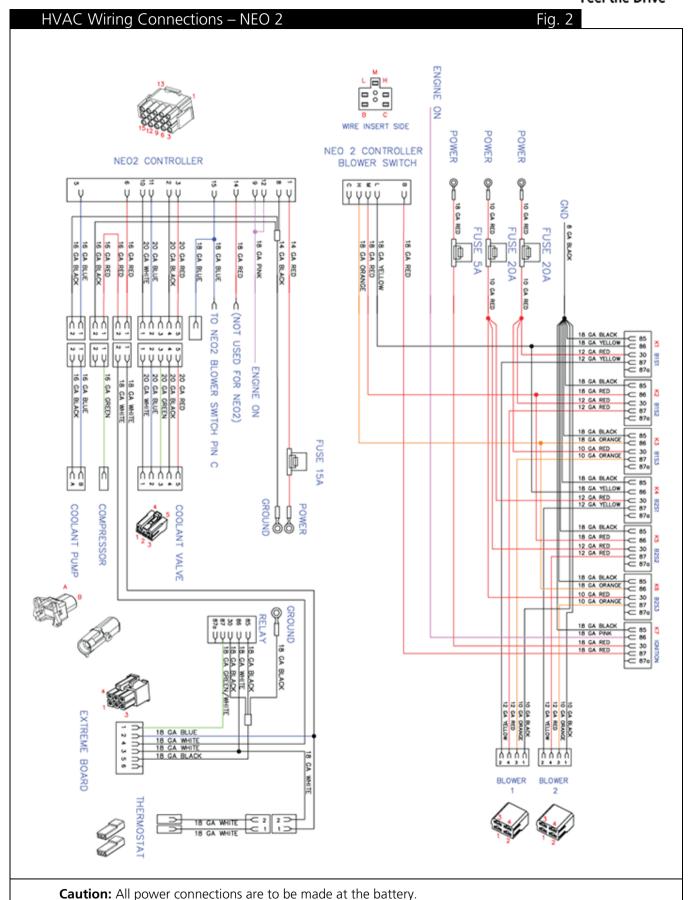






- Caution: All power connections are to be made at the battery.
- Confirm that the correct fuse size is installed in the extreme board. Refer to page 8.
- Insert the blue wire from connector J2 into pin C of the blower harness NEO connector
- Tape any unused wires or connectors and protect against short-circuits

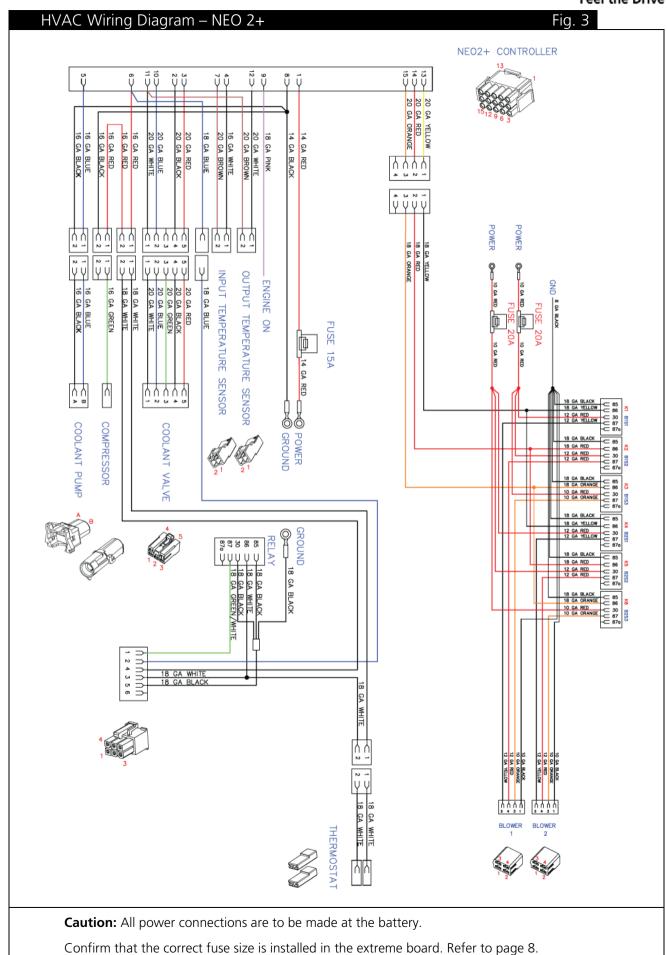




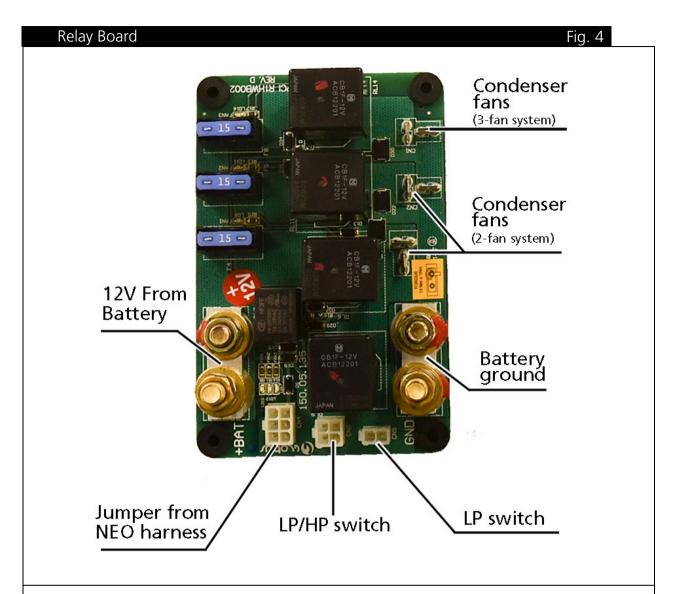
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Confirm that the correct fuse size is installed in the extreme board. Refer to page 8.







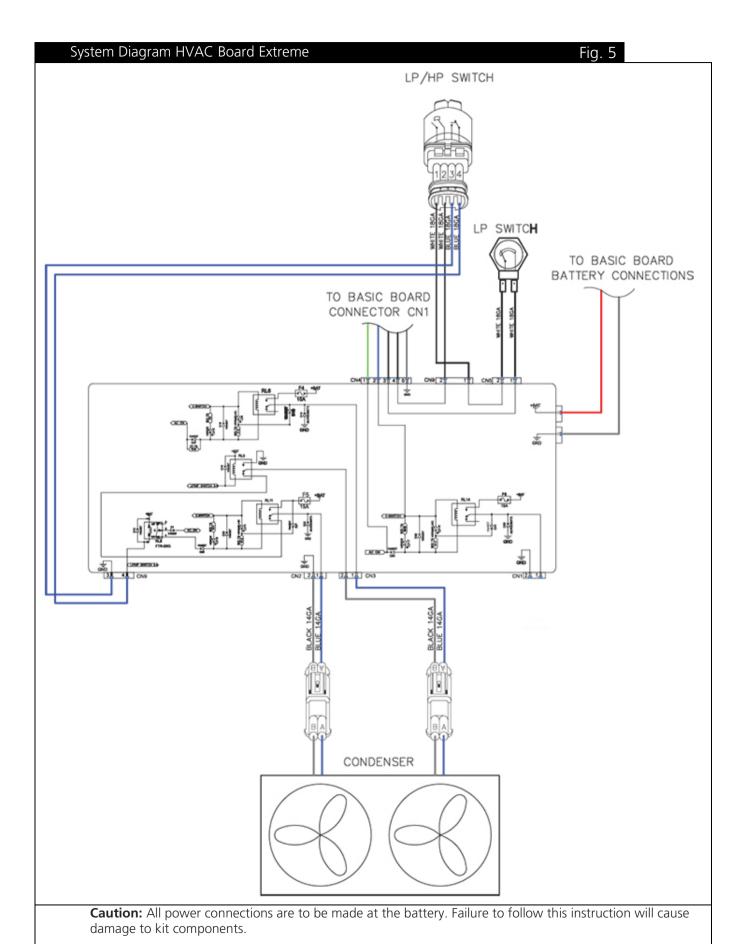


Caution: Remove the three 15A fuses from the relay board and replace them with 20A fuses.

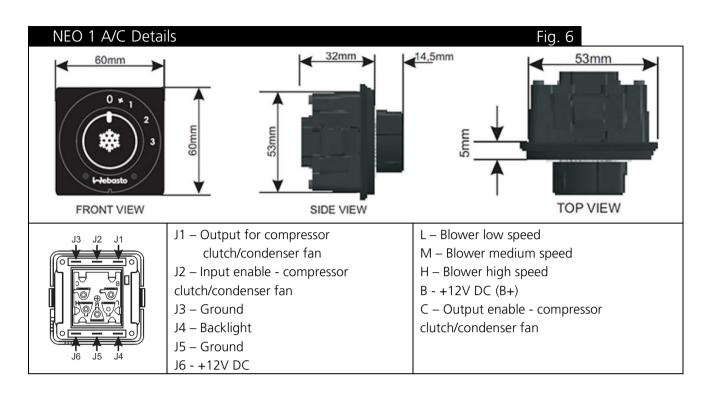
Caution: All power connections are to be made at the battery. Failure to follow this instruction will cause damage to kit components.

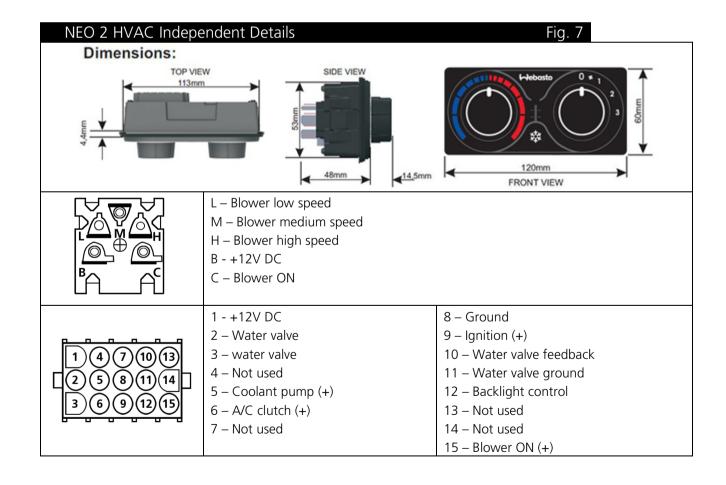
Condenser Information – Fuse Usage		
Condenser Name	Dimensions L x W x H – in (mm)	Fuse size installed in extreme board
Capri (rooftop)	32 X 23.6 X 5.9 (815 X 600 X 150)	15 amp
Valencia (rooftop)	37.5 X 23.6 X 5.9 (955 X 600 X 150)	20 amp
Underbody	28.5 X 17.7 X 4.1 (725 X 450 X 105)	20 amp



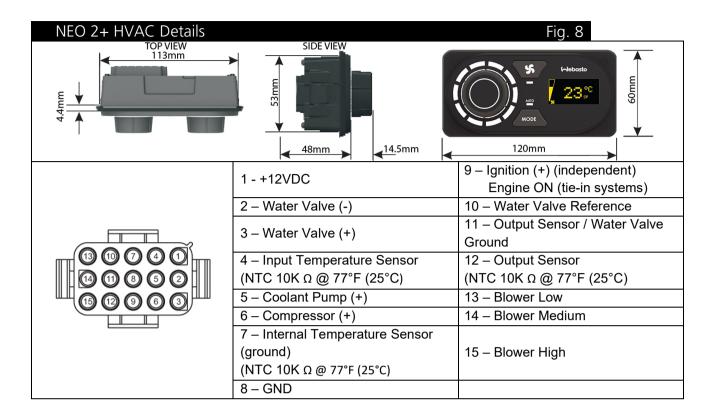












If you have any questions, contact our technical support team at (800) 860-7866 or via email at technical@webasto.com. In multilingual versions the English language is binding. The telephone number of the respective country is shown on the Webasto service center leaflet or can be found on the website of your Webasto subsidiary.

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