

New Power Supply Connectors on BD350GH & BD220CL Electronic Units

Starting March 2012 Secop will introduce new and improved power connectors on all electronics for BD350GH and BD220CL compressors.

This change is a general quality improvement to our products.

The reason for this upgrade is to offer improved reliability in high vibration situations.

Results from internal testing have shown that in a few cases, especially harsh conditions will cause an increase in resistance over time, which then leads to a poor connection.

The new connectors will be 9.5 mm spades, which will replace the old Molex® connectors.

Spade connectors have been used for many years on most BD electronics and have proven to be a very reliable solution

A guideline for wiring can be found on page 2

The new spade connector improvement will allow cable connectors to be easily sourced in the market and for this reason Secop line cords will no longer be offered as an accessory and will become obsolete.

Code numbers affected

Obsolete code numbers (cords):

- 12 V DC line cord, 900 mm, 8 mm², 105N9560, 40 pcs.
- 12 V DC line cord, 2000 mm, 8mm², 105N9559, 20 pcs.
- 24 V DC line cord, 5000 mm, 6 mm², 105N9539, 36 pcs.
- 24 V DC line cord, 900 mm, 6mm², 105N9543, 36 pcs.
- 24 V DC line cord, 2000 mm, 6 mm², 105N9541, 36 pcs.
- 24 V DC line cord, 900 mm, 6mm², 105N9542
- 24 V DC line cord, 2000 mm, 6 mm², 105N9540
- 24 V DC line cord, 5000 mm, 6 mm², 105N9538

Code numbers (electronics with new connectors) remain the same, these code numbers are:

- 101N0715, 101N0714
- 101N0800, 101N0801
- 101N0810, 101N0811
- 101N0820, 101N0821
- 101N0830, 101N0831

Prices for the new version electronic units will remain unchanged compared to the old one
No units with old Molex® connectors are available in Secop stock.

The relevant literature for compressors BD350GH and BD350/350GH and BD220CL will be updated accordingly.

Please contact your usual Secop source for any further information.

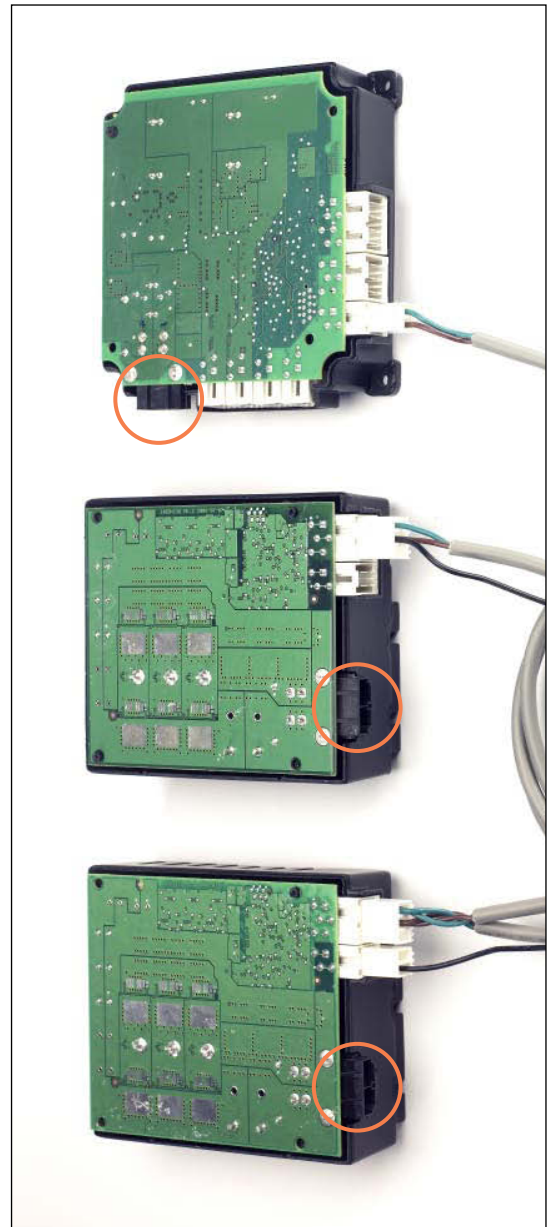


Fig.1 Electronic units 101N08xx series with old Molex® connectors

Guidelines & Recommendations for Power Connections (Cables to PCB tabs)

12 V DC & 24 V DC
BD350GH &
BD220CL

1. Minimum requirement for the cables is 10 mm² or AWG 7 or 8.
2. Preferred connector type is 26567.201.011 from Lear® Corporation.
3. Alternative type is 25975.213.011 from Lear® Corporation.
4. As insulation for the connectors shrink tubes should be used. Recommended type could be Shrink-Kon® HSB 375-C from Thomas & Betts in any colour. These can be used for both 26567.201.011 and 25975.213.011 from Lear® Corporation. Temperature requirements:
+ 125°C or higher and
- 55°C or lower
If there is a tab on the connector for "locking purposes" it must be secured before using shrink tubes.
Length of shrink tubes min. 40 mm, see Fig.2.
5. To obtain a reliable crimped connection it is recommended to make a pull force test. Recommended force is 400 N.
6. In accordance with the slots in the housing, the connectors must be oriented "back to back", see Fig.3.

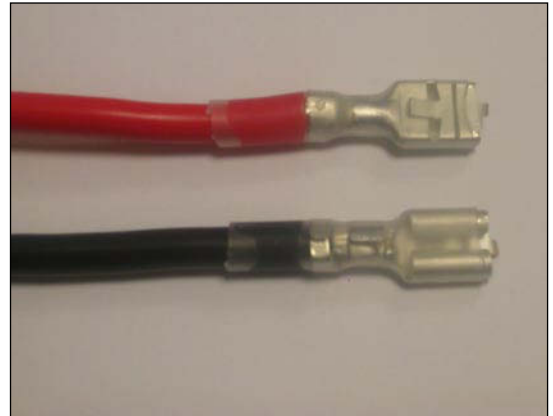


Fig.2 Connectors with shrink tubes (transparent)



Fig.3 Connectors mounted "back to back"

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