

# NOX Abdomen Cable

Ref No 56 20 10



# What has been improved in version 0140?

New version of the NOX Abdomen Cable has been released. The changes are following:

## - **The snaps are now 24 karat gold plated**

- Major improvements in signal quality
- Great contact stabilization

## - **The cable springs\* are more flexible**

- Decreases strain in both springs and cable
- Reduces the effort needed to snap the cable on and off the device

## - **Tinsel wire**

- The new wire is much stronger and more flexible

\* The springs are located in the device end of the cable

The NOX Abdomen Cable (ATC1), Ref No **562010**, connects the RIP belt to the NOX T3 device. The RIP technology is based on a high-frequency current signal and resonance oscillation between the belt and the internal electronics.

The quality of the RIP signal is directly proportional to the stability of the resonance frequency that is affected by the circuit resistance, more importantly, the circuit resistance stability.

To minimize the resistance and maximize contact stability, we have started to use a 24 karat gold plating as the surface treatment of all snaps in both the T3 device and ATC1 cable.

To increase the conductivity and gain excellent signal it is important to have maximum flexibility in the springs to minimize risk of strain in both springs and cable.

This has proven in our verification to give the optimal performance and increase the signal quality of the RIP signals greatly. This improvement is of great significance as it allows us to take this technology further and introduce new methods in diagnosis based on respiratory effort and flow.

