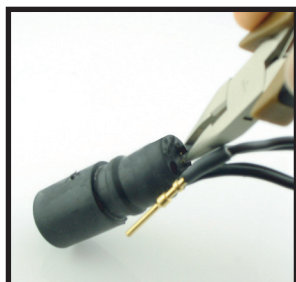


# Replacing the Stroke Rate Sensor (Legacy Harness, Part Number 0212)

This part will replace the stroke rate sensor that is installed in the shell - mounted on the deck under the seat magnet. To complete this repair, you will also need needle nose pliers, a very small screwdriver and Nyogel electrical grease.



1) Locate the 4-pin rubber plug (R4) which plugs into the large plug on the front panel of the Cox-Box. The receptacle is in the shell and connects the wiring harness to the Cox-Box. Carefully snip the zip-tie that is securing the wires to the R4 plug.



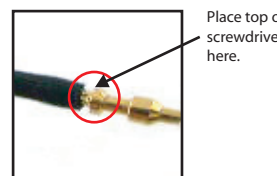
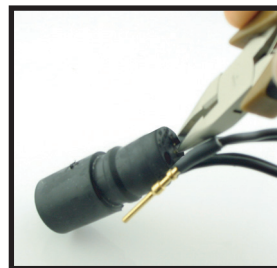
2) Using the pliers, hold the wire end of the sensor pin and carefully pull the stroke rate pins out of the R4 one at a time. They are the pins labeled 'A' and 'D' (be careful not to damage the two other pins). If the wires should come loose from the pins during removal, carefully pull the pins out separately.



3) Apply Nyogel to the new pins and into the corresponding holes.



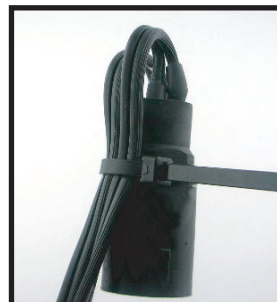
4) Position the new seat sensor pins into holes 'A' and 'D'. It does NOT matter which of the stroke rate holes the stroke rate pins are inserted into.



5) Very carefully so as not to damage the pins, use the pliers to push each pin into their holes to the point where the black shrink wrap meets the pin. Be sure to grab the pin and not the wire. Then use a VERY small flat-headed screwdriver and insert it into the hole and feel for the top edge of the exposed pin. Gently push the pin into the R4. There is a noticeable detent when the pin is correctly positioned. DO NOT pull the pin into the plug from the other end! This will damage the pins, the plug, and possibly the soldered connection point. Repeat with the second pin. If you accidentally push a pin in too far, use something small and flat to very gently push the pin back so that it is flush with the other pins.



6) Check to make sure that the new pins should be even with the existing audio pins ('B' and 'C').



7) Gently fold all the wires over and secure them to the plug using a zip-tie. This will help prevent them from being pulled out of the plug or damaged accidentally. Avoid overtightening the zip tie as this can damage the wire insulation. The rubber plug has a flat groove on the side. Place the wires here, and secure the zip-tie so that it fits in the groove around the plug.

## Need Help?

# NK

Our NK Knowledge Center has answers to many common questions, along with tips and tricks for using NK products. It's available 24-7 at [www.nkhome.com/knowledgecenter/](http://www.nkhome.com/knowledgecenter/).

For email assistance with the installation or operation of your NK product, write [techsupport@nkhome.com](mailto:techsupport@nkhome.com).

For help with an apparent malfunction, or to arrange or inquire about a repair, write [repairs@nkhome.com](mailto:repairs@nkhome.com).

Or call 800.784.4221 (610.447.1555 outside of the USA), Monday to Friday, 9 to 5, East Coast Time.