

These instructions are for guidance only.

Please ensure that you have the required tools and skills to fit these Repair Harnesses.

If you are unsure, it is recommended that you entrust the fitting of these Repair Harnesses to a Garage or an Auto-Electrician.

Replacing Discovery II SLS Ride Height Sensor Connectors

1. Disconnect the vehicle's battery before unplugging the Ride Height Sensors.
(ensure that you have your Radio Security Code (if needed) before disconnecting the battery)
Failure to disconnect the battery before unplugging the Ride Height Sensors, will cause the SLABS ECU to lose its height settings. The SLABS ECU and Ride Height Sensors will then need to be re-calibrated using a Main Dealer's 'Testbook'. If you have access to a 'Nanocom' device, then this is also able to perform this calibration.

Note: 'Hawkeye' cannot currently calibrate the Ride Height Sensors.

2. Clean all dirt and mud from around the Ride Height Sensor and its Connector.

If you wash the dirt off, ensure that the area is thoroughly dried before unplugging the Sensor's Connector

3. For each side – unplug the Ride Height Sensor's Connector, use some masking tape to cover the Ride Height Sensor's open Connector port, to stop dirt getting in to it.

4. Cut back the Vehicle's Harness sleeving and cut the three wires back far enough to expose clean copper conductors.

You may wish to 'stagger' where you cut each of the three wires, so that the three spliced joints are not all together in one place

5. Splice each wire in the Vehicle's Harness to the corresponding wire in the Repair Harness.

The Repair Harnesses are 'Handed' and the wire colours should be joined to the Vehicle's Harness wire colours, as follows –

R/H Height Sensor Connector

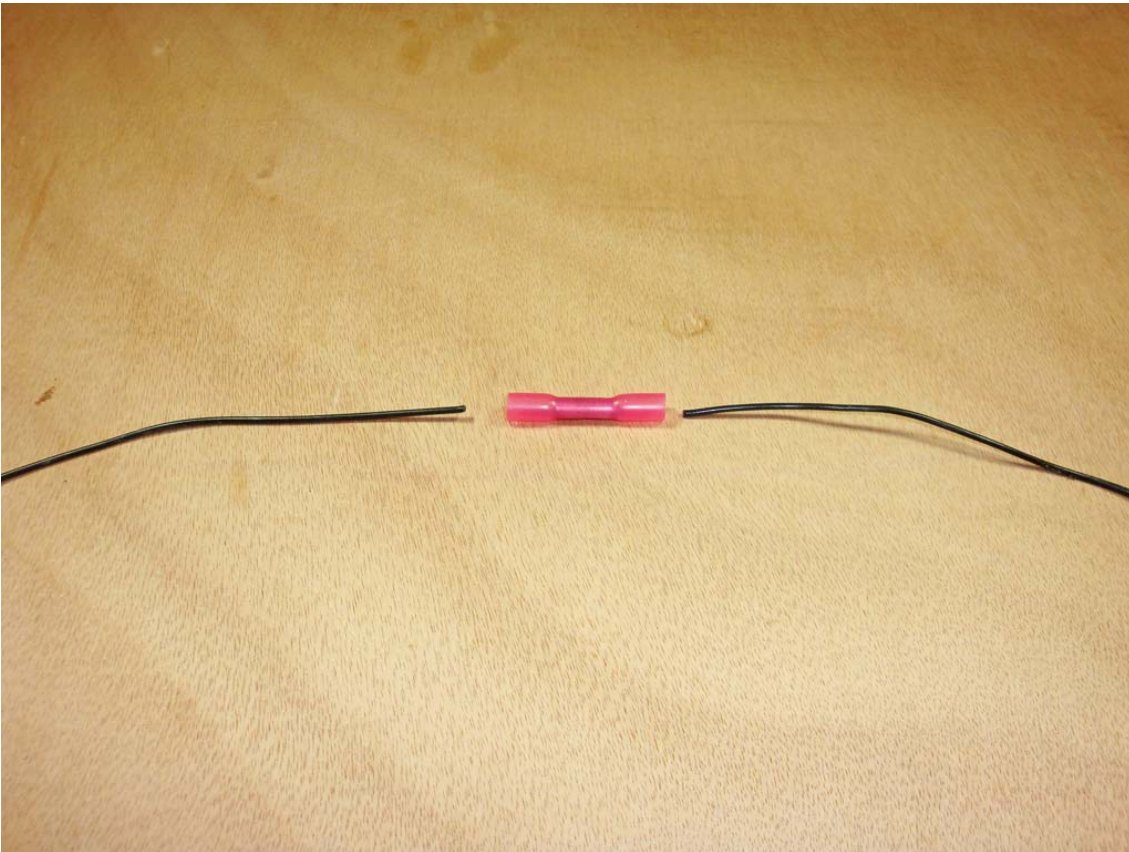
Repair Harness Wire Colour	Connect to	Vehicle Harness Wire Colour
Orange	→	Grey with Orange trace
Black	→	Grey with Black trace
Green	→	Grey with Green trace

L/H Height Sensor Connector

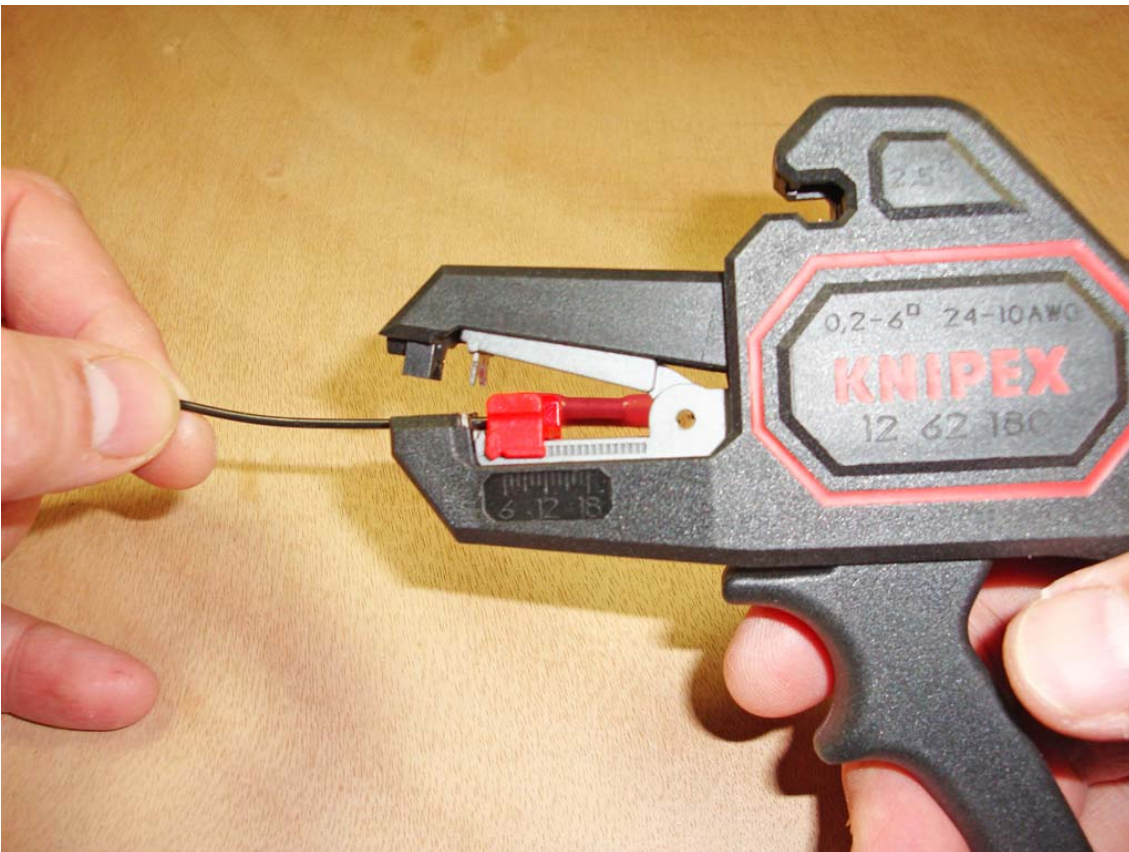
Repair Harness Wire Colour	Connect to	Vehicle Harness Wire Colour
Blue	→	Grey with Blue trace
Red	→	Grey with Red trace
Yellow	→	Grey with Yellow trace

Procedure for Splicing Cables

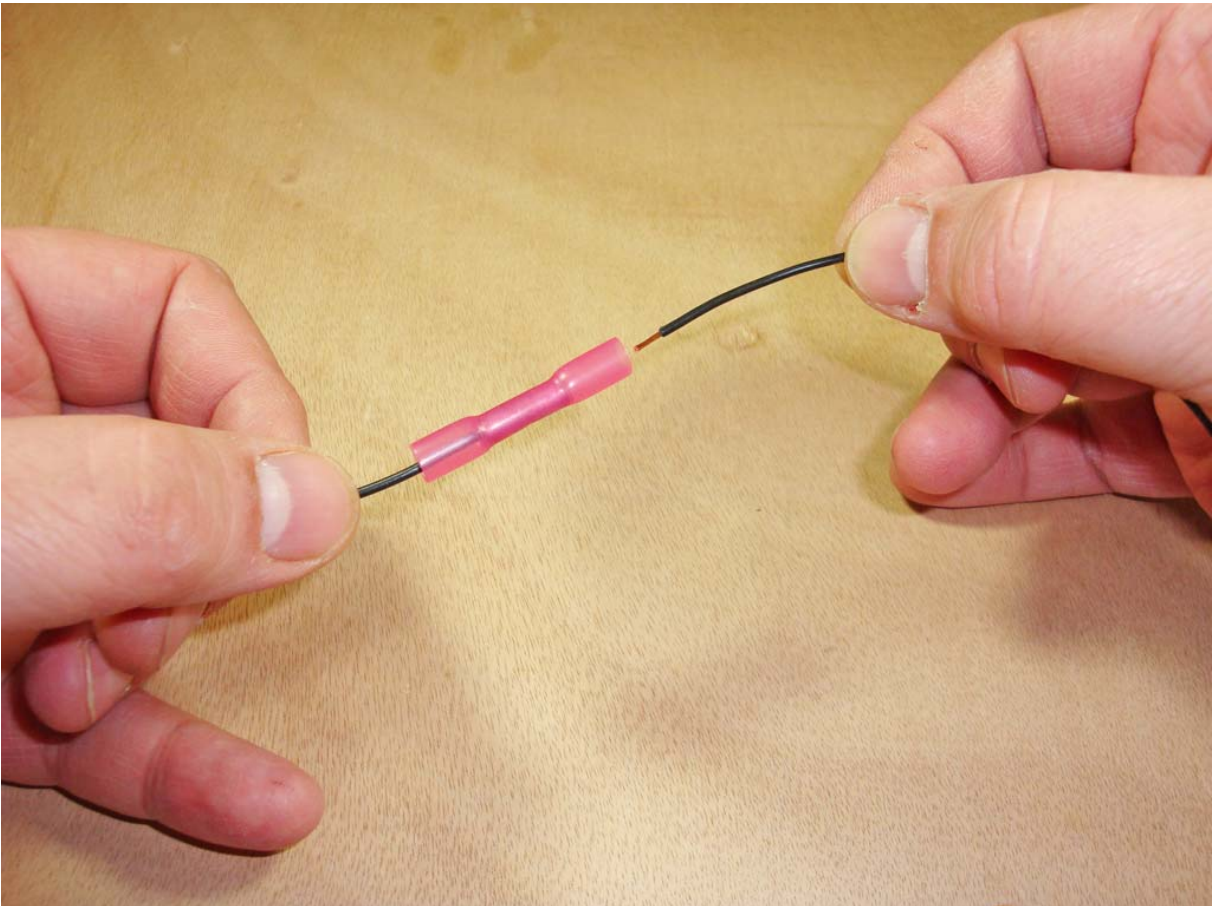
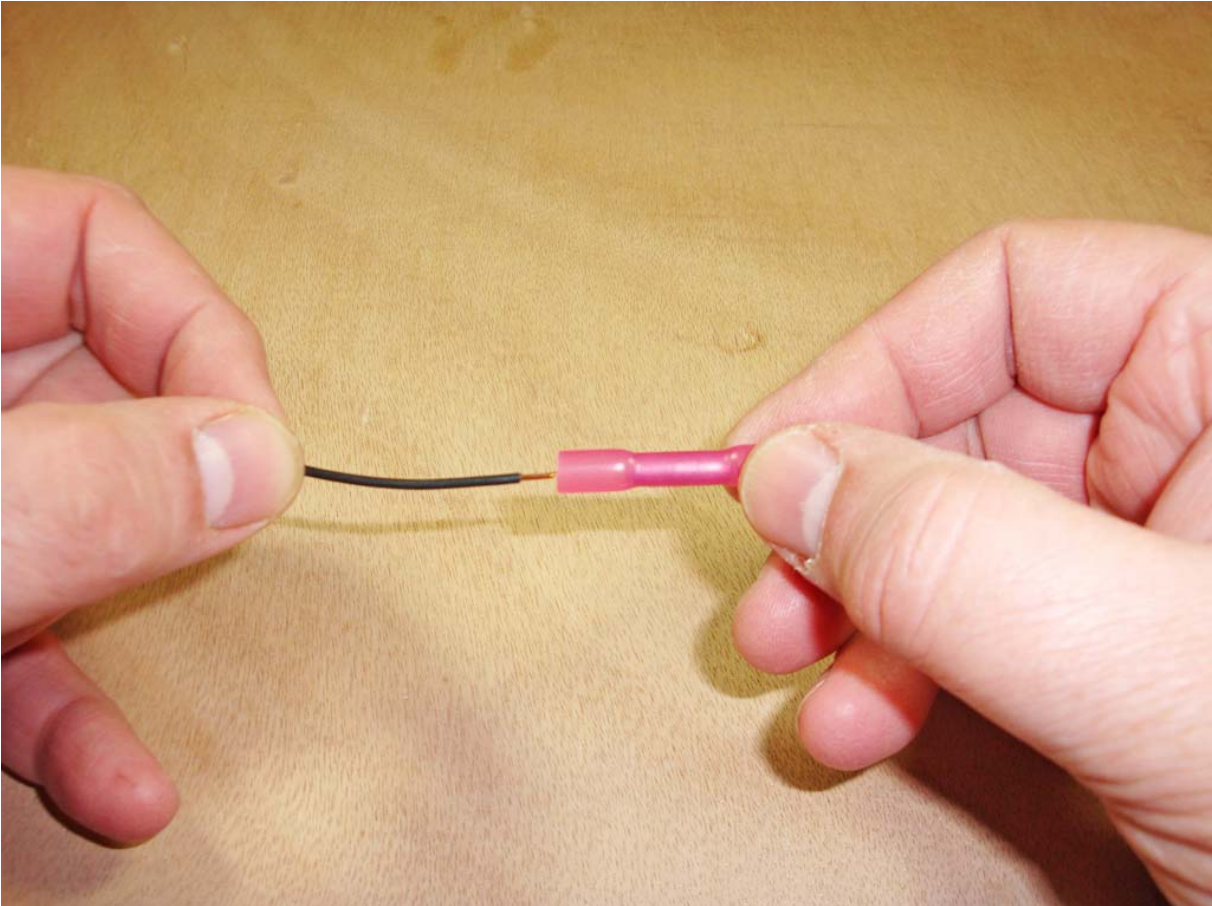
a. Adhesive-Lined Heatshrink Butt Connector and two cables



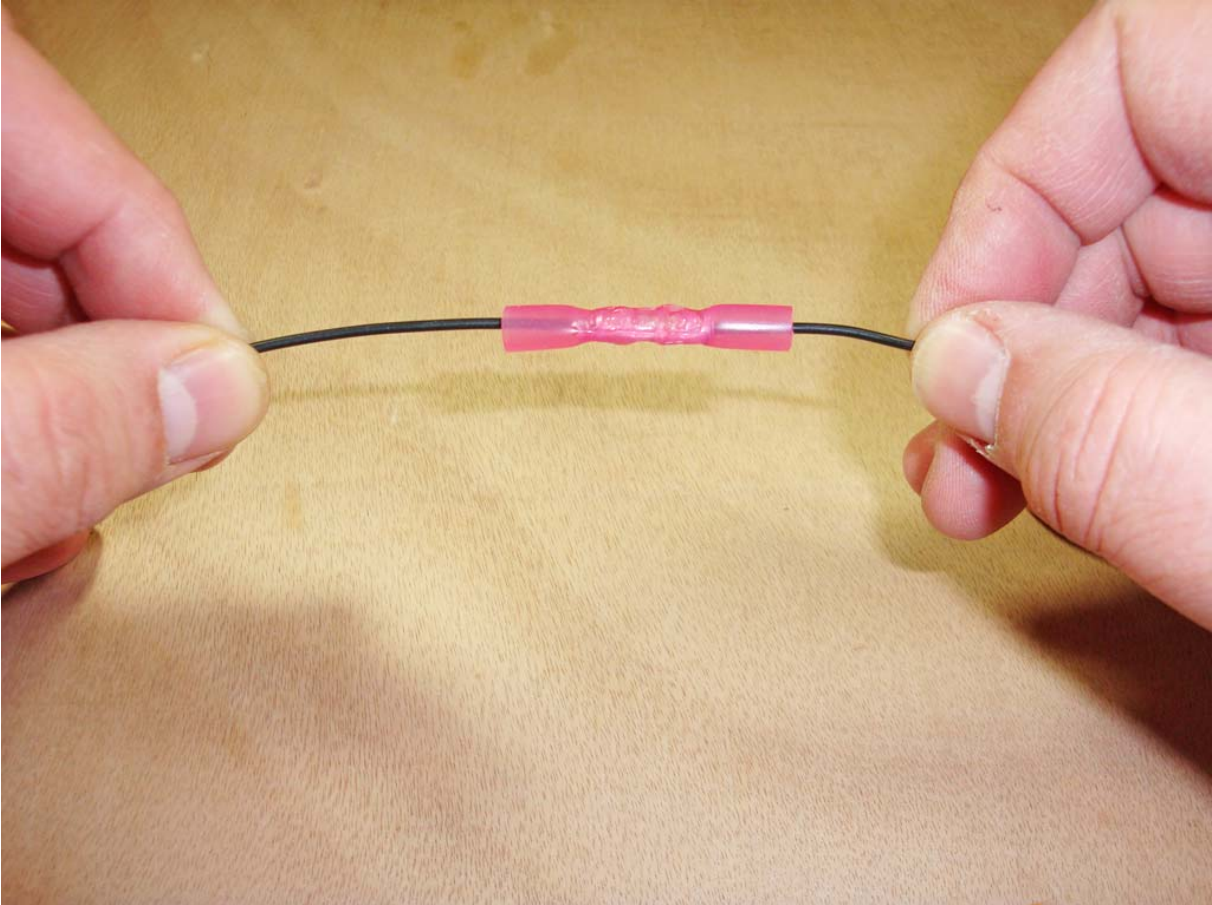
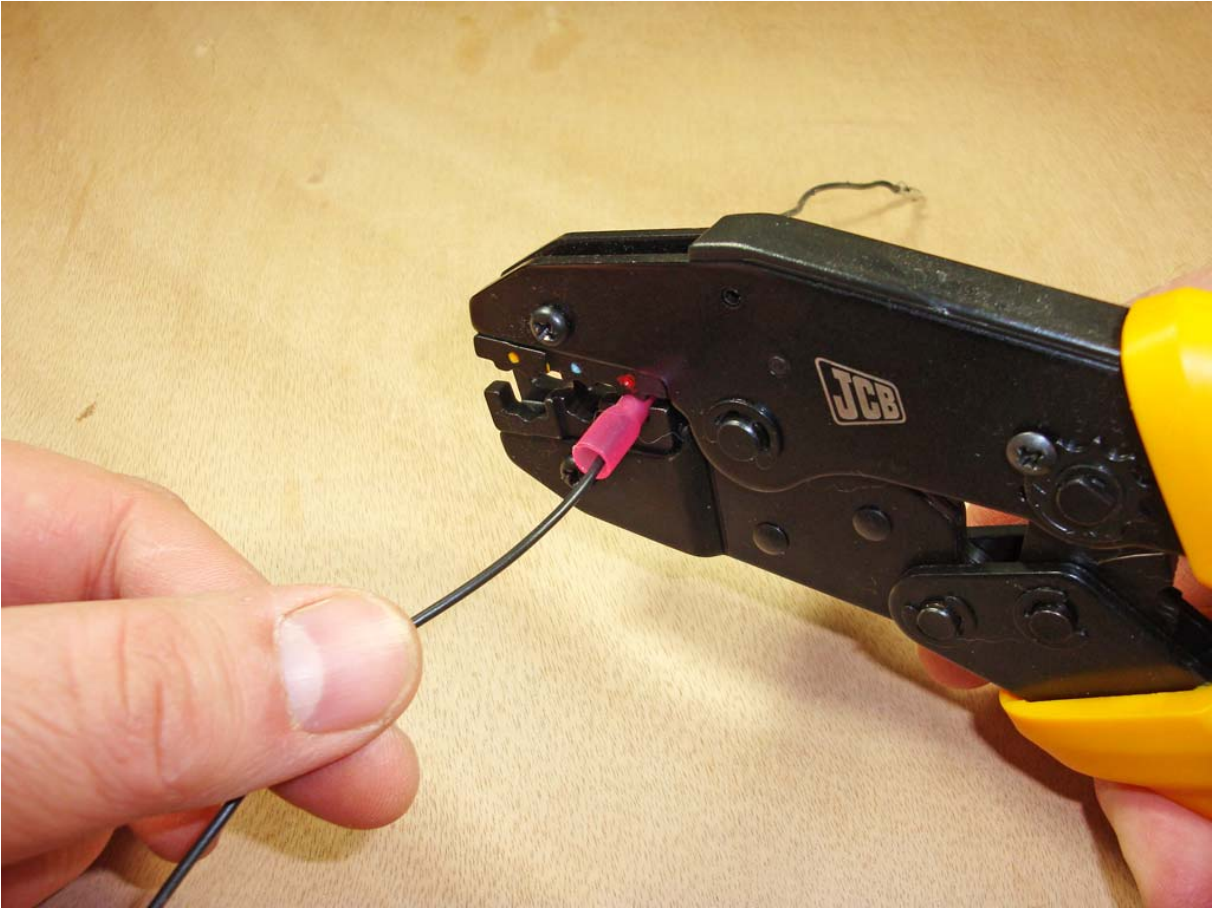
b. Strip the ends of the cables to be joined



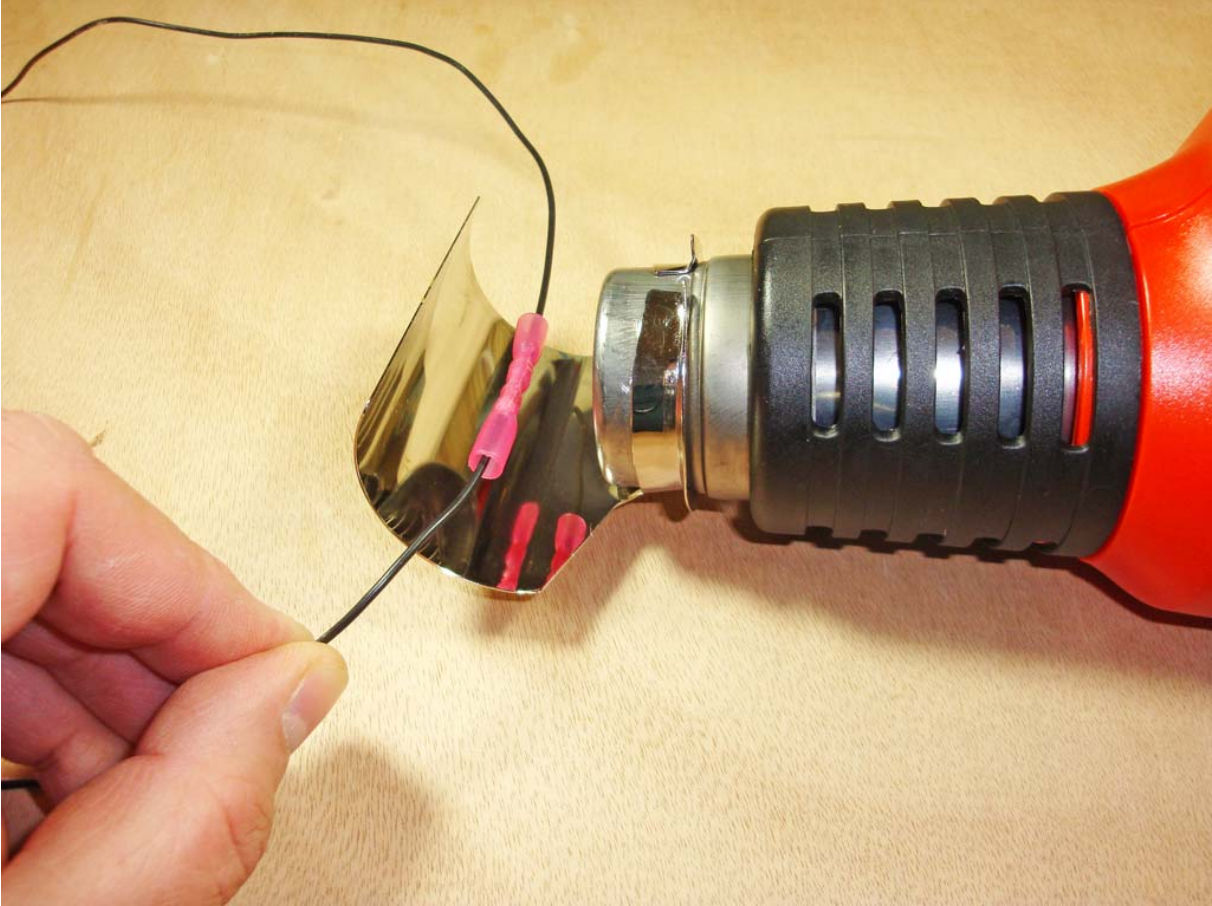
c. Insert the stripped cable ends into the Butt Connector from each side



d. Crimp the Butt Connector using a suitable Crimping Tool



e. Heat the Heatshrink Sleeving until it's shrunk and the Adhesive flows out



6. Once the Repair Harnesses have been spliced onto the ends of the Vehicle's Chassis Harness, you may wish to wrap the splice joints in PVC electrical tape and cable-tie the repaired harness back so that it doesn't foul on any moving suspension components or the Height Sensor's operating arm.

(electrical tape and cable-ties are not included with this kit)

7. Ensure that the Height Sensor's Connector ports are clean and dry before plugging in the Harness Connectors.

8. Once the Ride Height Sensors have been re-connected, the Vehicle's Battery can be re-connected.

Land Rover-Connectors accept no responsibility for any SLS faults that may be caused by customers or their agents embodying these Repair Harnesses.