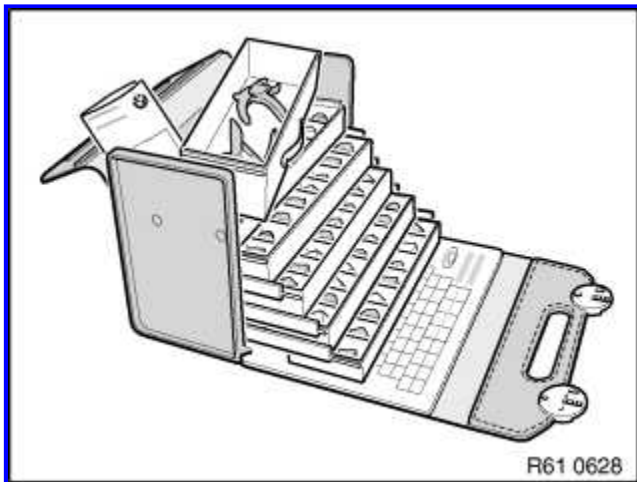


61 13 ...**Special tools for wiring harness repairs****Special tools required:**

- [61 0 300](#)
- [61 0 400](#)
- [61 1 100](#)
- [61 4 320](#)
- [61 0 200](#)
- [61 0 210](#)
- [61 0 220](#)
- [61 0 230](#)
- [61 0 240](#)

**Repair range, vehicle electrical system:**

Single parts for wiring harness repairs*

* Sourcing reference: BMW Parts Department

Note:

- Refer to Service Information:
[SI 2 04 07 341](#)

**Release and press-out tool:**

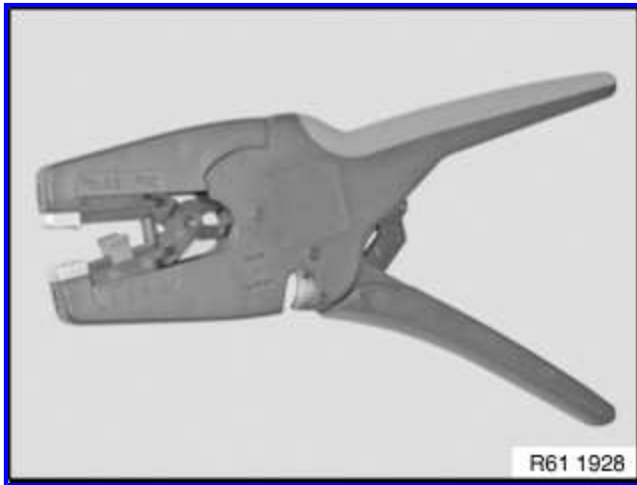
- Special tool [61 0 300](#)
- Special tool [61 0 400](#) (MINI N12/N14)
- Special tool [61 1 100](#) (engine)

Handling:

- [Notes for opening contacts and locks](#) of different connector contact systems

Cutting to length and stripping insulation from cables:

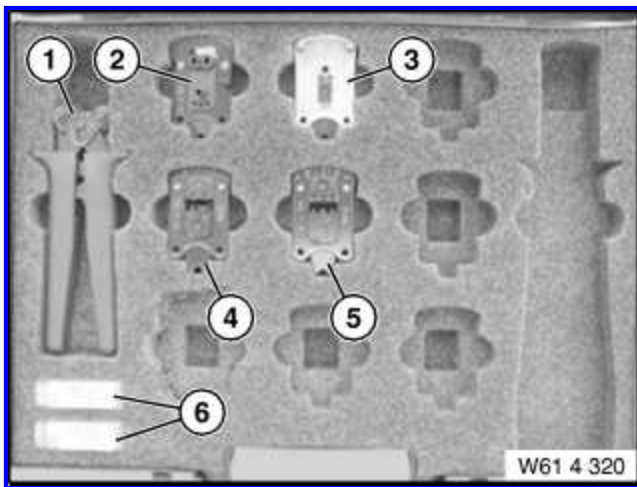
Wire stripper MultiStrip10*



*Sourcing reference [BMW Workshop Equipment Catalogue](#)

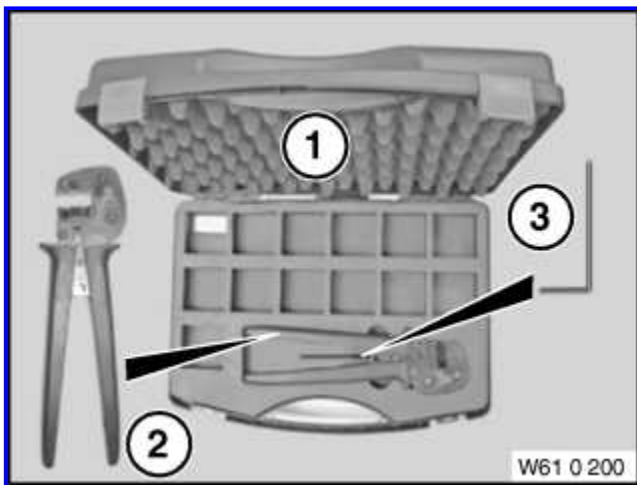
Handling:

- [Cutting cables to length and strip insulation](#)



Crimping stop parts (small contacts) and butt connectors:

- Special tool [61 4 320](#)
 1. Tool without crimping head
 2. Crimping head ([stripping insulation and cutting fibre-optic cables to length](#))
 3. Crimping head ([crimping fibre-optic cable contacts](#))
 4. Crimping head ([crimping MQS contacts](#))
 5. Crimping head ([crimping MPQ contacts](#))
 6. Replacement blade (face-cutting fibre-optic cables)
 7. Replacement blade with tool (insulation stripping unit)
 8. Universal crimping head ([SI 2 04 06 293](#))



Crimping stop parts (large contacts) and butt connectors:

- Special tool [61 0 200](#) (crimping set)
- Special tool [61 0 210](#) (matrix set SLK 8)
- Special tool [61 0 220](#) (matrix set SLK 2.8)
- Special tool [61 0 230](#) (matrix set MAK 8 / DFK4)
- Special tool [61 0 240](#) (butt connector 4.0 - 6.0 mm²)

Handling:

- Refer to Service Information:

[SI 2 02 05 194](#)

[SI 2 07 05 233](#)