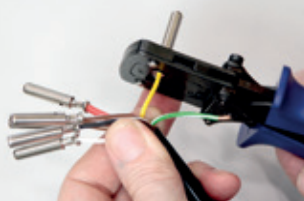




CRIMPING
STEP-BY-STEP
INSTRUCTIONS



ABS/EBS CONNECTION

Detailed application instruction for crimping with the HELLA Heavy Duty System



Heavy Duty tool case
Composition example

The modular **design of HELLA's Heavy Duty** tool system case provides for clean and tidy storage for all crimping and releasing applications. The front section can accommodate one complete set of pliers (handle and head) and up to four more tool heads. The rear section offers plenty of space for a variety of releasing blades and the corresponding basic handle.

Heavy Duty tool case
Part number: 8PE 863 807-041



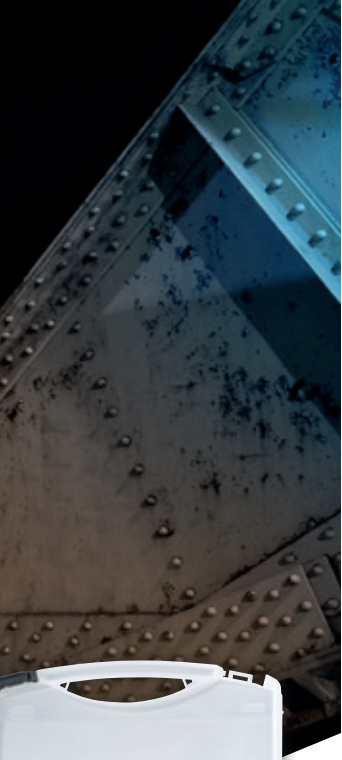
Tool handle for crimping pliers
Part number: 8PE 863 807-051



Tool head ABS-G
Part number: 8PE 863 807-071

Heavy Duty tool system

HELLA's Heavy Duty tool system with its linear crimping technology gives your work a very high degree of precision. Unlike conventional radial pliers, this design is remarkable for the uniform distribution of force during the crimping process. This enables you to work to a consistently high standard. The system's modular design allows you to put together your own individual combinations and separately exchange basic handles and crimping or release tools.



Releasing tool handle
Part number: 8PE 863 807-301



ABS releasing blade Part number: 8PE 863 807-361



SUPERSEAL 1 releasing blade Part number: 8PE 863 807-351



Deutsch DT releasing blade Part number: 8PE 863 807-371

The **SUPERSEAL tool head** offers all the advantages of the Heavy Duty system. In addition, the head has an integrated positioning aid on the back, which makes the correct placing of the contact within the tool considerably easier. The specialised construction design enables the integrated execution of the crimping and isolation procedure in one single step. That saves valuable time.



Tool head Deutsch DT
Part number: 8PE 863 807-061



SUPERSEAL tool head
Part number: 8PE 863 807-401



SUPERSEAL tool head
with integrated positioning aid

Installation of the ABS/EBS connection



1 The required tools for correct processing are part of the HELLA Heavy Duty System.



2 They can be put together individually as required...



3 .. and extended.



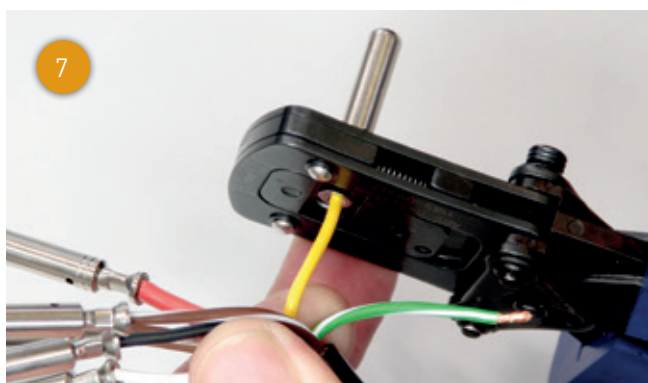
4 These are the materials required to produce a ABS/EBS plug connection.



5 First, strip the vehicle cables to a maximum of 5 mm with a suitable tool. To prepare the plug connection, first push the end cap...



6 ... and then the cup seal onto the cable. Place a crimp contact of the appropriate size for the cable diameter in the pliers.



7 Close the pliers to crimp the connection.



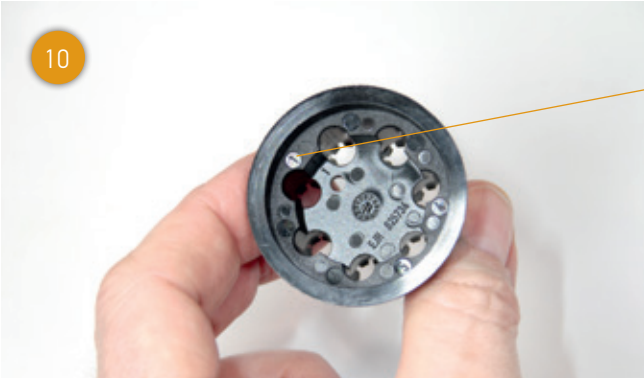
8 Repeat this procedure for all the vehicle cables required.

9



The finished crimp contacts look like this.

10



The pin assignment plan.

Pin assignment for the ABS/EBS plug device according to ISO 7638

Pin no.	Single conductor no. or colour	Function	Cross section of connection
1	1	Solenoid control valves plus (+)	6 mm ² /4mm ²
2	2	Electronics plus (+)	1,5 mm ²
3	3	Electronics minus (-)	1,5 mm ²
4	4	Solenoid control valves minus (-)	6 mm ² /4mm ²
5	5	Warning device	1,5 mm ²
6	6	CANH data cable	1,5 mm ²
7	7	CANL data cable	1,5 mm ²

11



Insert the crimp contacts in the insert connector in accordance with the connector layout diagram.

12



The first plug housing is placed on the insert connector. It must click into place audibly.

STEP-BY-STEP INSTRUCTIONS

13



The recess shown here indicates how the insert connector is correctly connected to the front plug housing.

14



The cup seal and the rear end cap are positioned together with the front plug housing...

15



16



...and fixed in place with screws.

17



Finally, to provide additional stability...

18



...fit the strain relief clip...

19



...and screw.

20



The ready installed plug of the connecting cable looks like this.

Scan the QR code and watch the instructions as a video:



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The instructions for crimping the ABS/EBS connection
can be seen here as a video:

