



Parts and Accessories Installation Instructions

Retrofit kit BMW Traffic Pro BMW Z4 (E 85)

Retrofit kit part number: 65 90 0 301 533
65 90 0 153 186

Installation time:

The installation time of approx. 1.5 hours can vary depending on the condition and equipment of the vehicle.

Important information:

- These Installation Instructions are mainly intended for use in the BMW dealership network and by authorised BMW After Sales Service Centers.
The target group of these Installation Instructions are technical personnel trained on BMW vehicles with corresponding technical know-how.
- All work is to be carried out with the aid of currently valid Repair Instructions, schematic circuit diagrams, maintenance manuals and working instructions in rational order with the specified tools (special tools) while paying particular attention to valid safety regulations.
- Particular care must be taken when fitting cables/wiring to ensure that they are not bent, kinked or damaged.
- Jumpers, double crimp connections or parallel connections will be required if the specified pin number locations are occupied.
- All illustrations show LHD vehicles, the same procedure is to be followed analogously on RHD vehicles.
- Item numbers refer only to the overviews and texts next to the respective graphic.
- Subject to technical modifications.



- For explanations of pictographs see EBA-CD or ASAP (After Sales Assistance Portal).
- Do not archive the printout of these Installation Instructions as daily updates are conducted through ASAP!

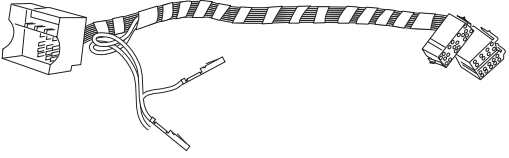

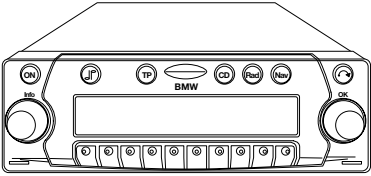


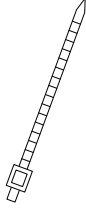
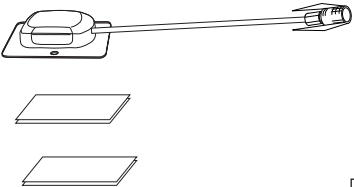

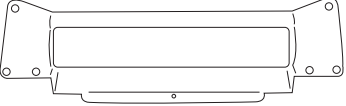
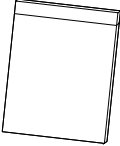

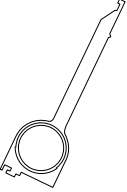
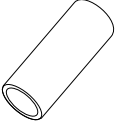



Special tools:

None

Contents

Section	Page
Important information	1
1. Parts overview	3
2. Preparation	4
3. Connection overview	5
4. Installation and layout diagram	6
5. Traffic Pro connection overview	7
6. Installing GPS aerial	9
7. Installing Traffic Pro	10
8. Encoding	13
9. Finishing off	14
10. Language selection, start-up and Operating Instructions	15
11. Circuit diagram - Adapter wiring harness A	16

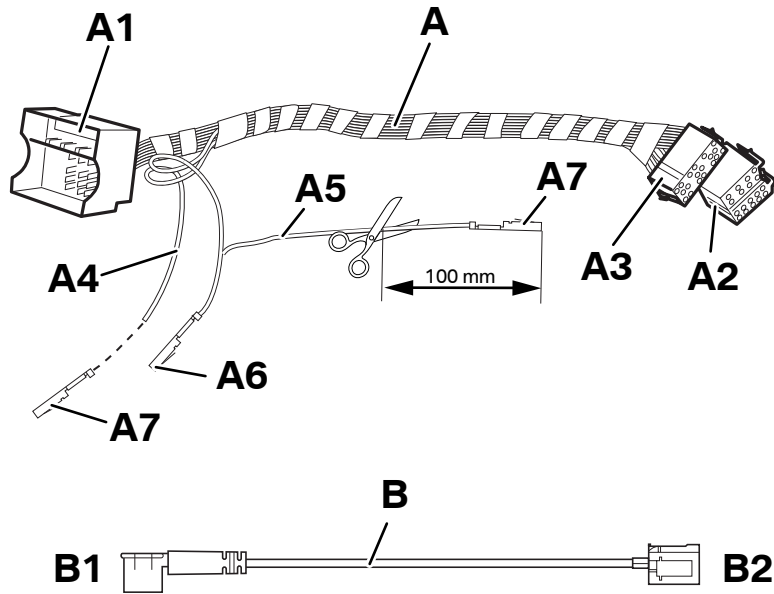
1. Parts overview

<p>A</p>  <p>1x</p>	<p>B</p>  <p>1x</p>			
<p>C</p>  <p>1x</p>	<p>D</p>  <p>1x</p>	<p>E</p>  <p>2x</p>	<p>F</p>  <p>8x</p>	
<p>G</p>  <p>1x</p>	<p>H</p>  <p>1x</p>			
<p>I</p>  <p>1x</p>	<p>J</p>  <p>2x</p>	<p>K</p>  <p>1x</p>		
<p>L</p>  <p>2x</p>	<p>M</p>  <p>1x</p>	<p>N</p>  <p>ST 4,2x29 mm 2x</p>	<p>O</p>  <p>2x</p>	<p>P</p>  <p>1x</p> <p>085 018 5 B</p>

2. Preparation

	TIS No.
Read out fault code memories	
Disconnect battery	12 00 ...
Remove centre air outlet nozzle	64 22 ...
Remove radio	65 00 ...
Remove instrument cluster	62 11 280

3. Connection overview



085 0186 B

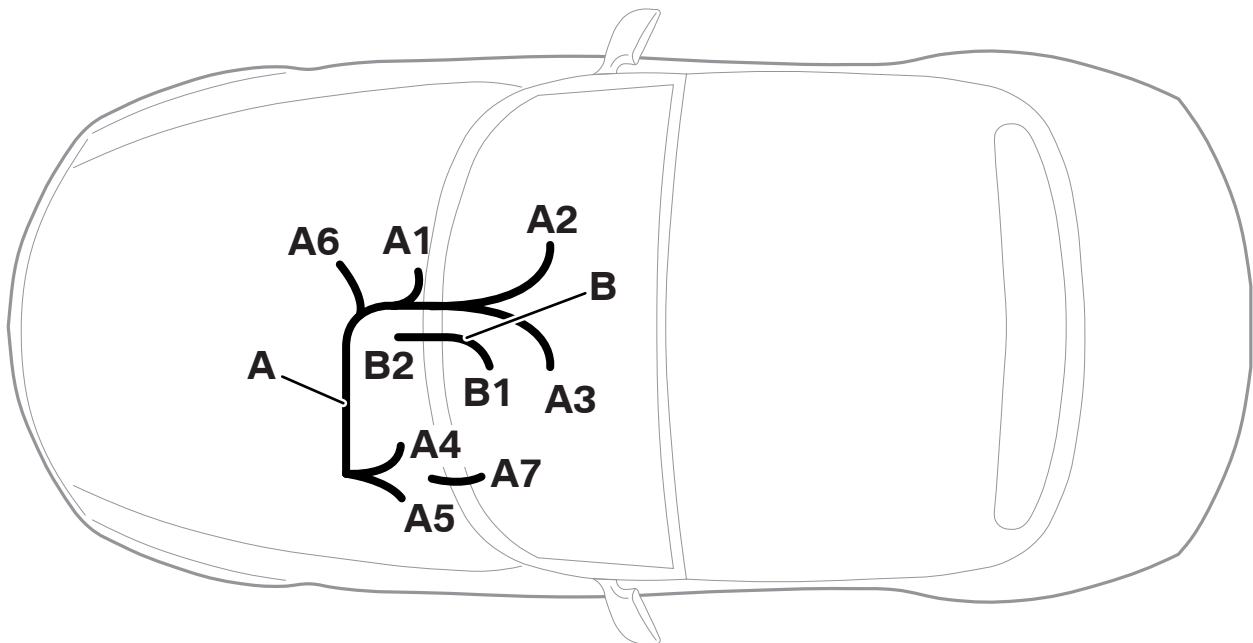
Adapter cable A

Item	Description	Signals	Wire colour	Connection location in vehicle	Designation/ plug-in location
A	Adapter cable				
A1	16-pin SW pin housing			at radio connector	X18126
A2	16-pin SW socket housing			at Traffic Pro in centre console	
A3	20-pin RT socket housing			at Traffic Pro in centre console	
A4	free end of line	Terminal RS (reversing light)	BL/GE	at BL/GE wire of 26-pin SW socket housing for instrument cluster. If no wire is provided , with insulation displacement connector E at cut branch A7	X11175, PIN 22
A5	free end of line (blade contact A7 cut)	Speedometer A-signal	SW/WS	at GE/GN wire of 26-pin SW socket housing for instrument cluster	X11175, PIN 6
A6	Blade contact	Speedometer A-signal	WS	insulate with shrink-fit tubing M (not required)	
A7	Blade contact cut from branch A5			if necessary with insulation displacement connector E at branch A4	

Aerial adapter B

Item	Description	Signals	Wire colour	Connection location in vehicle	Designation/ plug-in location
B	Aerial adapter				
B1	Coaxial pin housing			at Traffic Pro in centre console	
B2	Coaxial pin housing Fakra			at coaxial aerial connector Fakra in centre console	

4. Installation and layout diagram



085 0188 B

All wiring harnesses are to be installed as shown in the illustration and secured with cable ties. Tie back excess length.

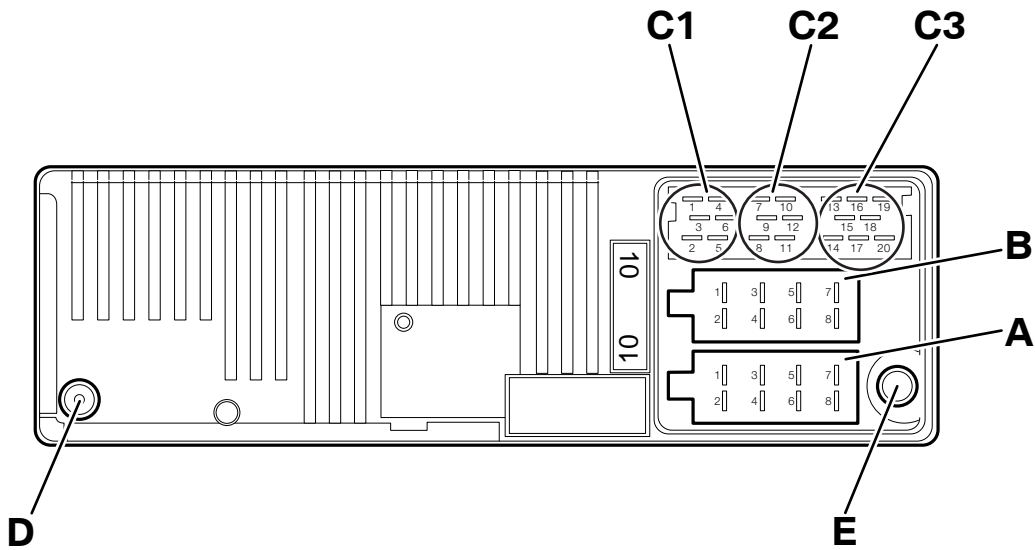
Adapter cable A

- A1 at radio connector **X18126**
- A2 at Traffic Pro
- A3 at Traffic Pro
- A4 at instrument cluster
- A5 at instrument cluster
- A6 insulate (not required)
- A7 at branch A4

Aerial adapter B

- B1 at Traffic Pro
- B2 at coaxial aerial connector Fakra

5. Traffic Pro connection overview



085 0189 B

Connector chamber A

- | | |
|---|---|
| 1 | Speed signal (TAA) |
| 2 | Signal from reversing light |
| 3 | Telephone mute |
| 4 | Continuous positive (terminal 30) |
| 5 | Control output for automatic aerial/amplifier |
| 6 | Lighting (terminal 58G) |
| 7 | Switched positive (terminal 15) |
| 8 | Ground (terminal 31) |

Connector chamber B

- | | |
|---|-----------------------|
| 1 | Rear right speaker + |
| 2 | Rear right speaker - |
| 3 | Front right speaker + |
| 4 | Front right speaker - |
| 5 | Front left speaker + |
| 6 | Front left speaker - |
| 7 | Rear left speaker + |
| 8 | Rear left speaker - |

Connector chamber C1

- | | |
|---|---------------------|
| 1 | Rear left LineOut |
| 2 | Rear right LineOut |
| 3 | AF ground |
| 4 | Front left LineOut |
| 5 | Front right LineOut |
| 6 | Subwoofer LineOut |

5. Traffic Pro connection overview

Connector chamber C2

7 – 12 Specific connection for CD changer

Connector chamber C3

13 AF telephone input
14 Ground telephone input
15 – 17 Specific connection for CD changer
18 CD AF ground (AUX)
19 CD AF left (AUX)
20 CD AF right (AUX)

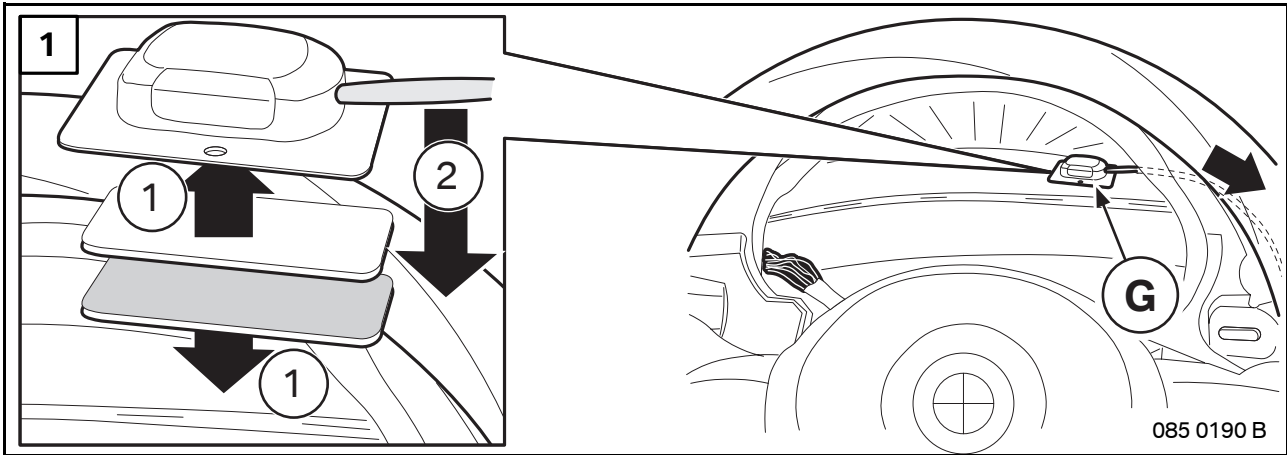
Socket D

D Radio aerial socket

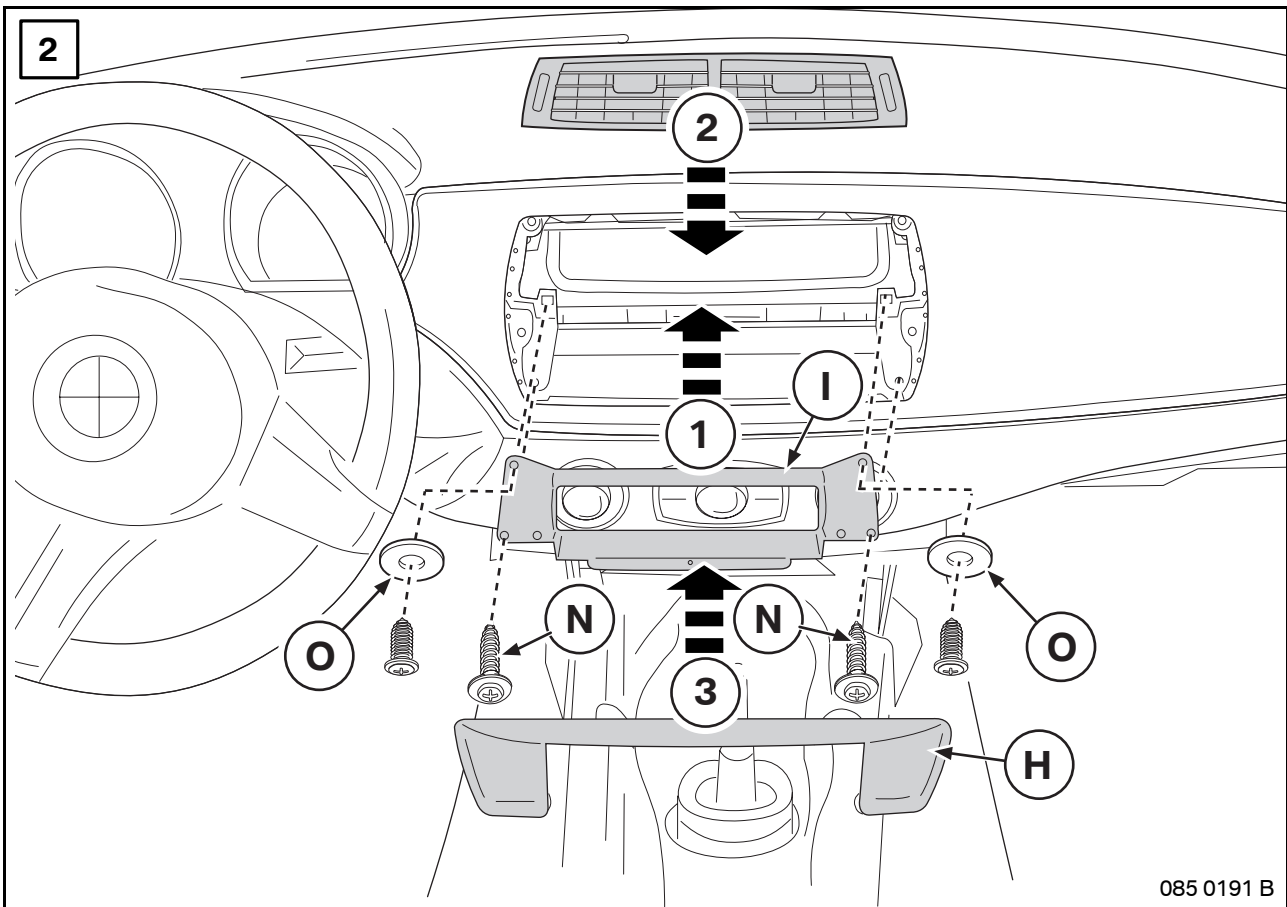
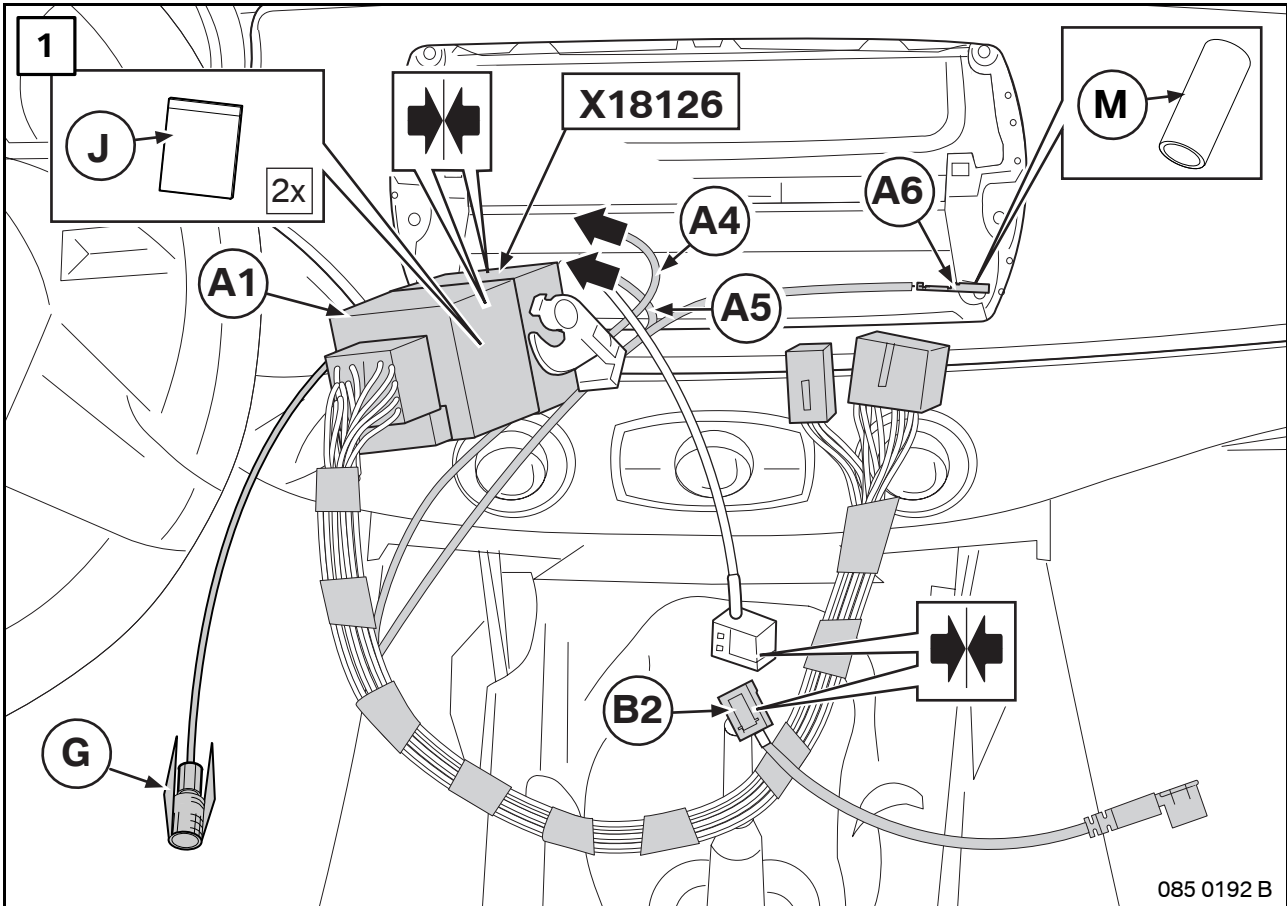
Socket E

E GPS aerial socket

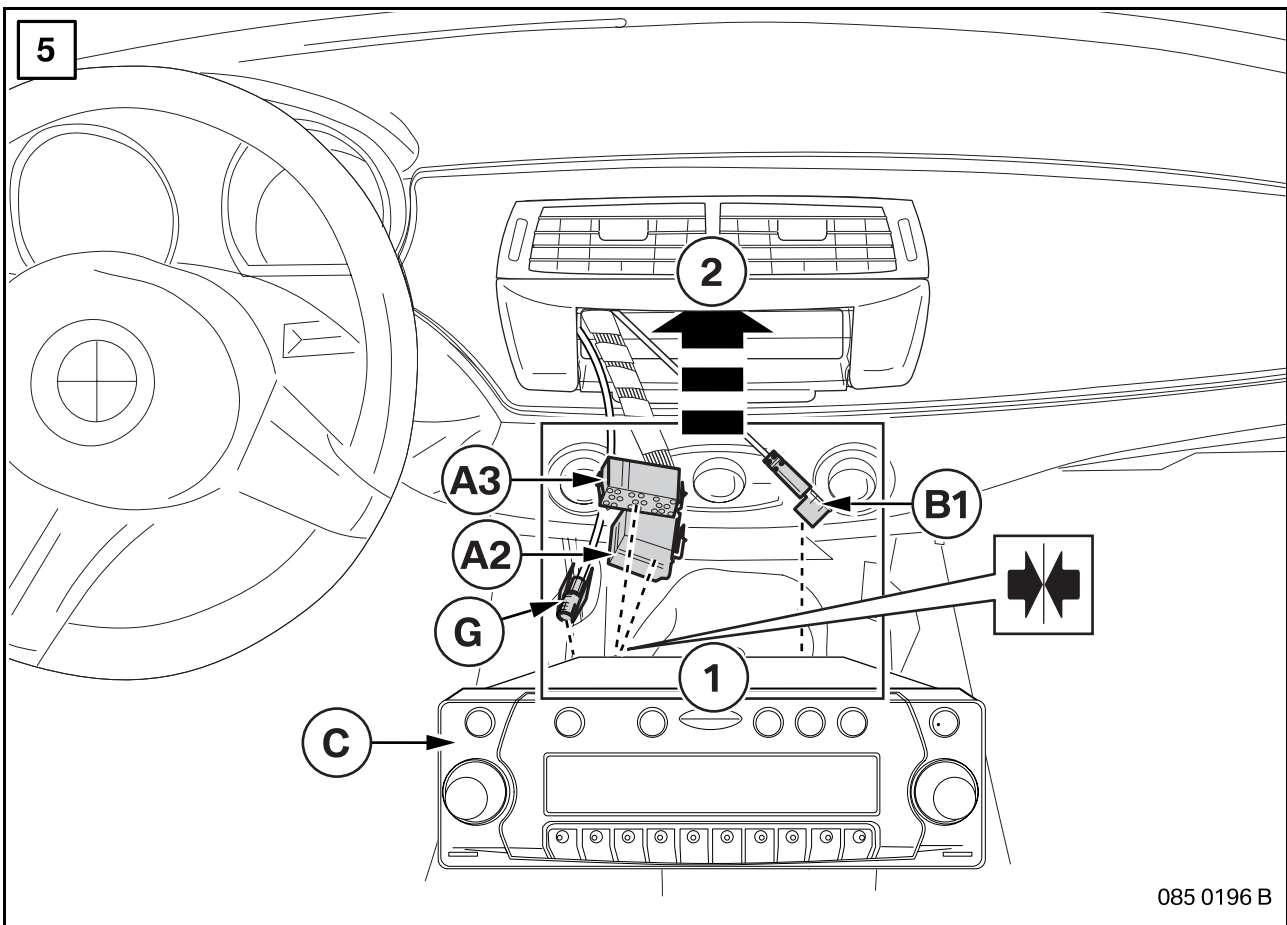
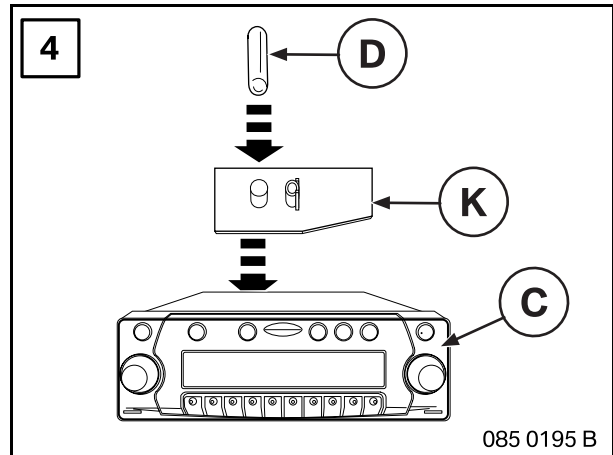
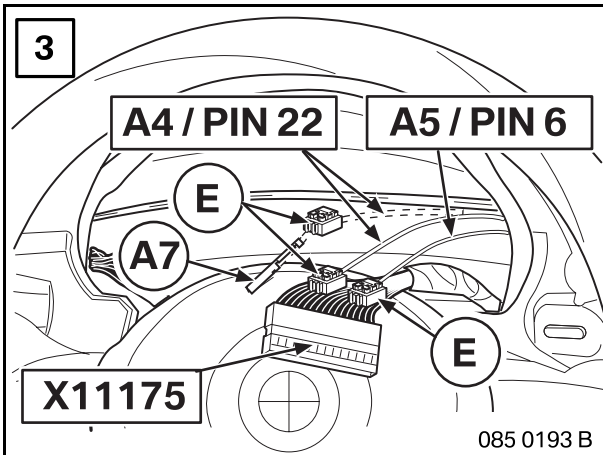
6. Installing GPS aerial



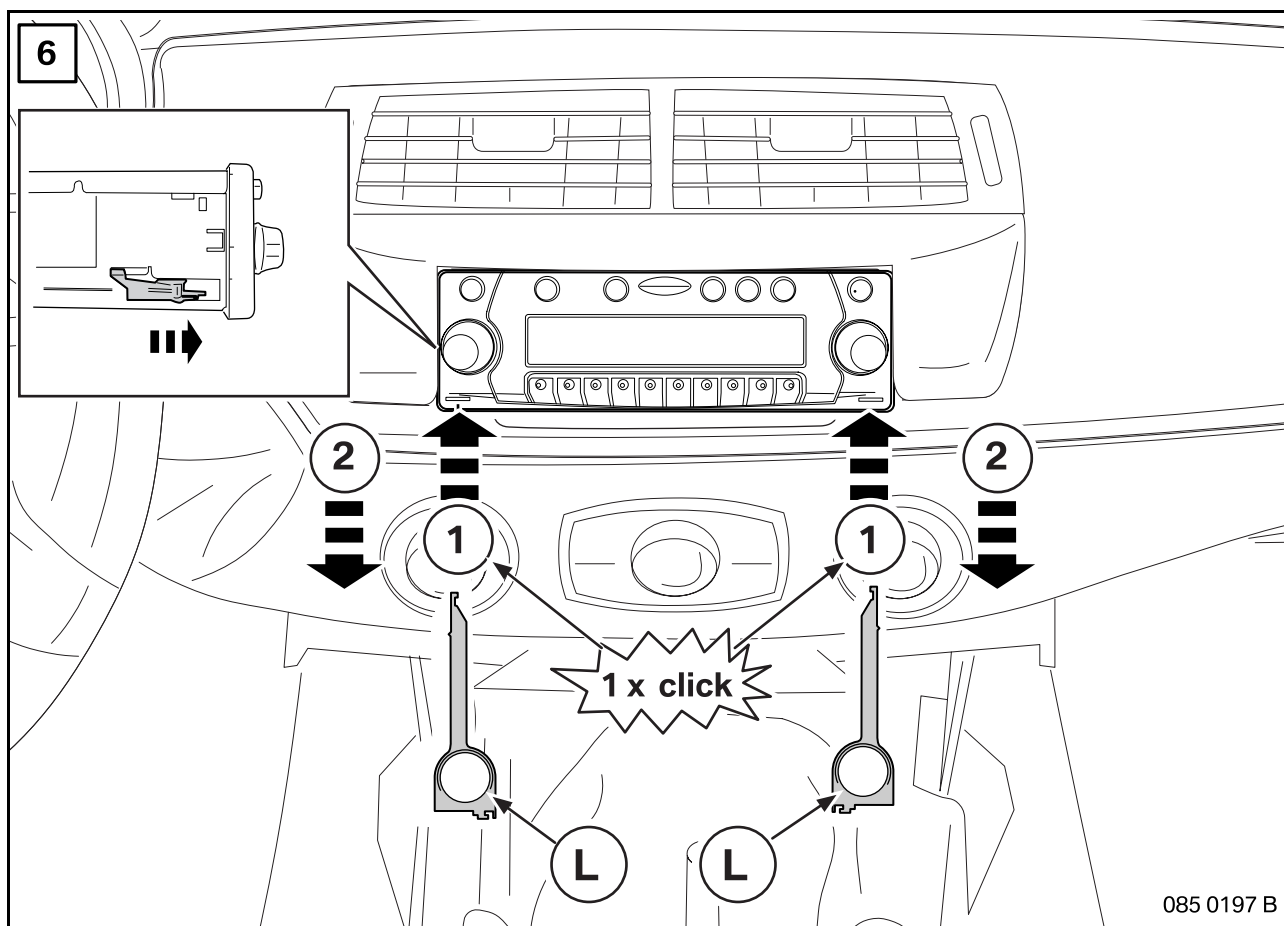
7. Installing Traffic Pro



7. Installing Traffic Pro



7. Installing Traffic Pro



8. Encoding

This system has no diagnostic capabilities and does not require encoding.

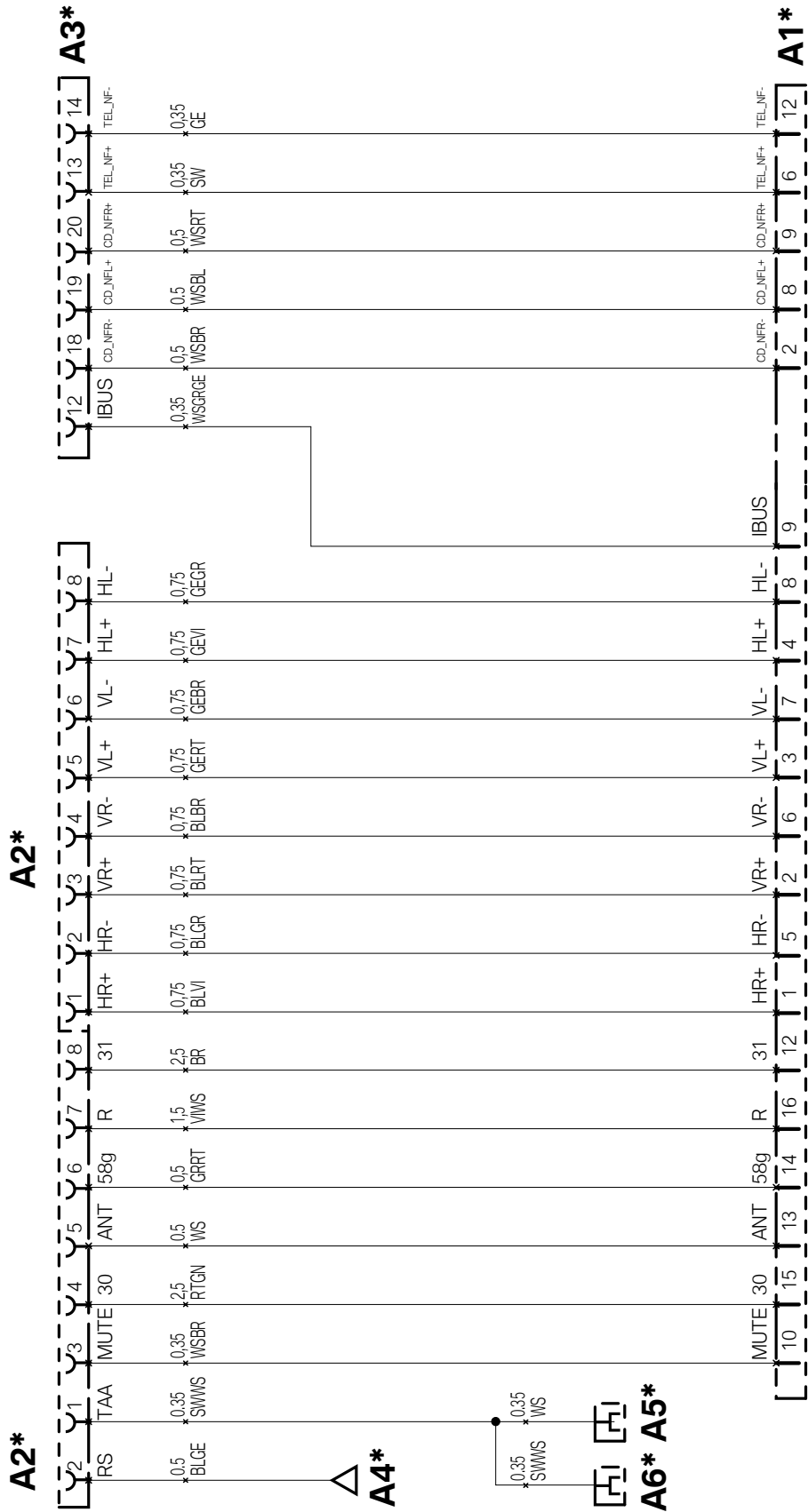
9. Concluding operations

Reconnect battery
Start up system
Reassemble vehicle in reverse order of removal
Print out fault code memories

10. Language selection, start-up and Operating Instructions

See BMW Traffic Pro Operating Instructions

11. Circuit diagram - Adapter wiring harness A



085 0194 B

11. Circuit diagram - Adapter wiring harness A

Key

A1*	16-pin SW pin housing
A2*	16-pin SW socket housing (connector chamber A + B)
A3*	20-pin RT socket housing
A4*	at wire of 26-pin SW socket housing X11175, PIN 22
A5*	at wire of 26-pin SW socket housing X11175, PIN 6
A6*	not required

The components marked with * refer to this schematic circuit diagram only.
All other components and X-designations correspond to the BMW Service circuit diagrams.

Wire colours

BL	Blue
BR	Brown
GE	Yellow
GN	Green
GR	Grey
OR	Orange
RT	Red
SW	Black
VI	Violet
WS	White

Symbols

• Explanatory text for the symbols

Information

· Note	01
· Safety note	02
· See workshop manual (TIS)	03
· See specified figure	04
· Right	05
· Wrong	06
· Dispose of / Do not reuse	07
· Fire risk	08
· Wear protective gloves	09
· Maximum load	10
· In car at front	11
· In car at rear	12
· Left-hand drive car	13
· Right-hand drive car	14

Activities

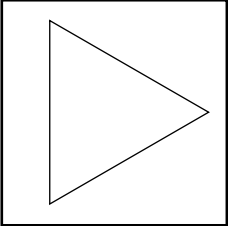


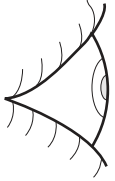

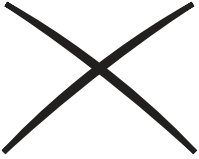
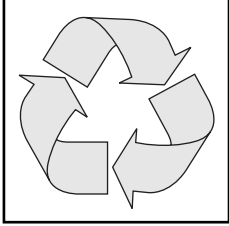

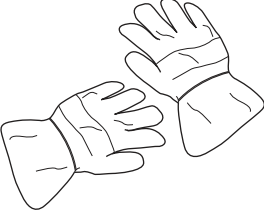
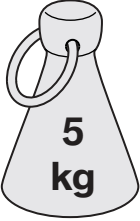
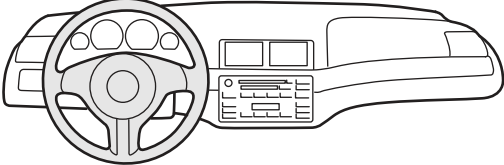
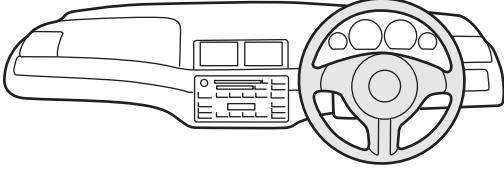
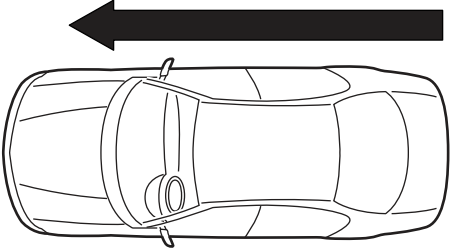
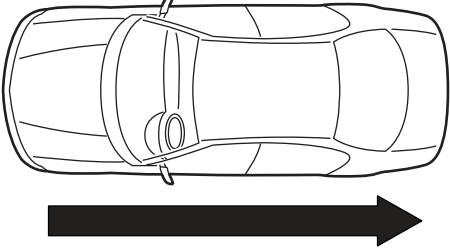
· Movement arrow	15
· Position arrow	16
· Disconnect	17
· Connect	18
· Wait specified time	19a - 19b
· Protect against corrosion	20
· Clean with sponge and water	21
· Clean	22
· Attach with adhesive tape	23
· Use a hot air blower (with spatula)	24
· Use a spatula	25
· Disconnect the battery	26
· Connect the battery	27
· Can be car-washed after hours	28

Tools / special tools

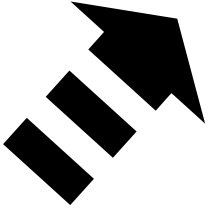

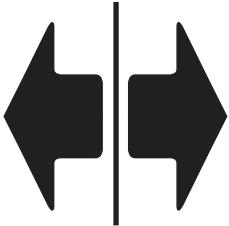

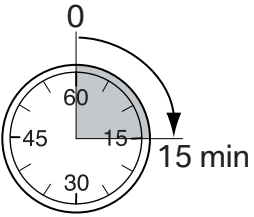
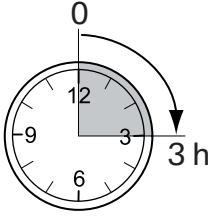
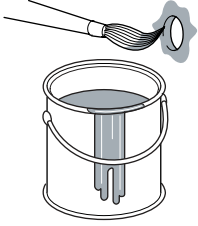
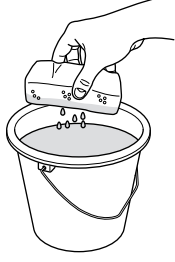
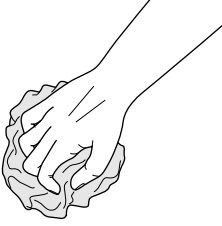
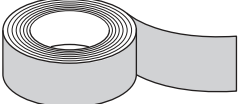

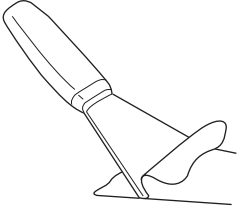
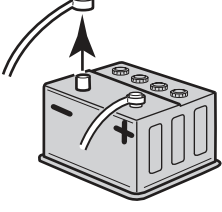
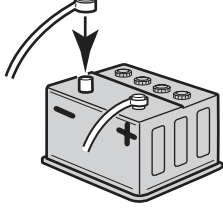
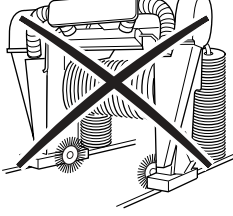
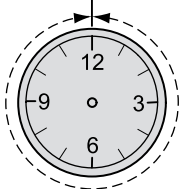
· Mark	29
· Scribe	30
· Peen	31
· Use a drill bit	32

· Use a cylindrical keyhole saw	33
· Use a drill	34
· Drill up to stop	35
· Use a jigsaw	36
· Use a pneumatic saw	37
· Cut out with a knife	38
· Use scissors (cut off)	39
· Use a file	40
· Tighten to specified tightening torque	41
· Screw tight	42
· Use a Philips screwdriver	43
· Use a flat screwdriver	44
· Use a Torx driver	45
· Use a cartridge gun (seal)	46
· Use a rubber mallet	47
· Use a hot air blower	48
· Use crimping pliers	49
· Use an angle cutter	50
· Use combination pliers	51
· Use a riveter for blind rivets	52

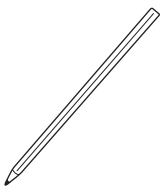
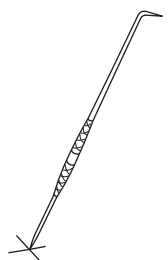
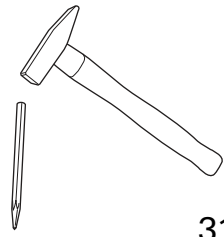
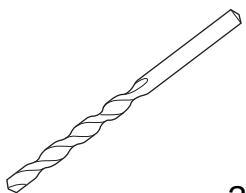
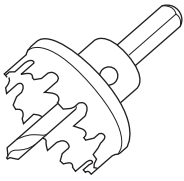
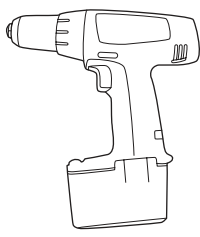
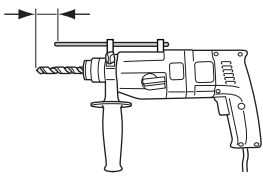
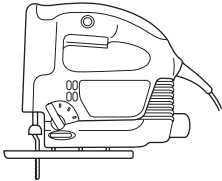
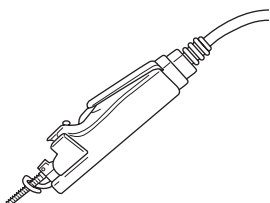
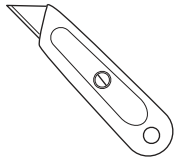

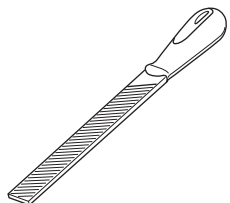
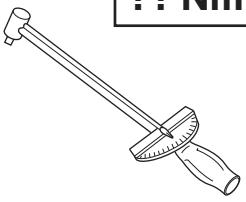
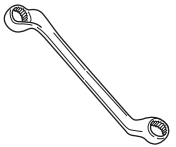
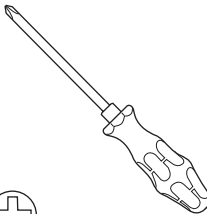
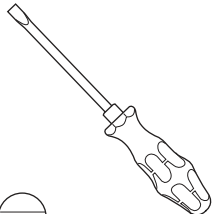
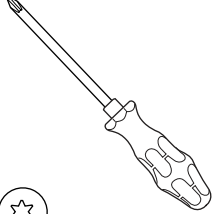
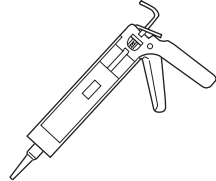
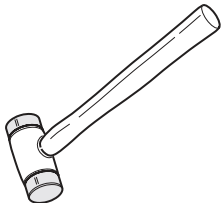
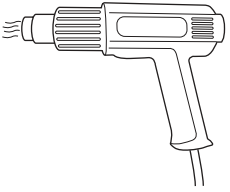
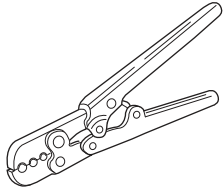
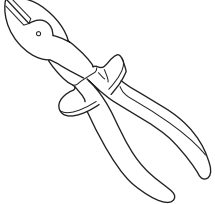
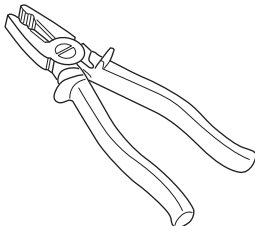
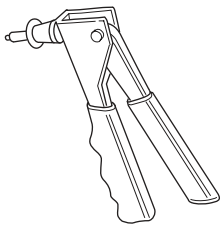
Information

 <p>01</p>	 <p>02</p>	 <p>TIS-Nr.</p> <p>03</p>	 <p>18</p> <p>04</p>
 <p>05</p>	 <p>06</p>	 <p>07</p>	 <p>08</p>
 <p>09</p>	 <p>10</p>		
 <p>11</p>	 <p>12</p>		
 <p>13</p>	 <p>14</p>		

Activities

 <p>15</p>	 <p>16</p>	 <p>17</p>	 <p>18</p>
 <p>19a</p>	 <p>19b</p>	 <p>20</p>	 <p>21</p>
 <p>22</p>	 <p>23</p>	 <p>24</p>	 <p>25</p>
 <p>26</p>	 <p>27</p>		 <p>h</p> <p>28</p>

Tools / special tools

 <p>29</p>	 <p>30</p>	 <p>31</p>	<p>Ø ?? mm</p>  <p>32</p>
<p>Ø ?? mm</p>  <p>33</p>	 <p>34</p>	<p>?? mm</p>  <p>35</p>	 <p>36</p>
 <p>37</p>	 <p>38</p>	 <p>39</p>	 <p>40</p>
<p>?? Nm</p>  <p>41</p>	 <p>42</p>	 <p>43</p>	 <p>44</p>
 <p>45</p>	 <p>46</p>	 <p>47</p>	 <p>48</p>
 <p>49</p>	 <p>50</p>	 <p>51</p>	 <p>52</p>