

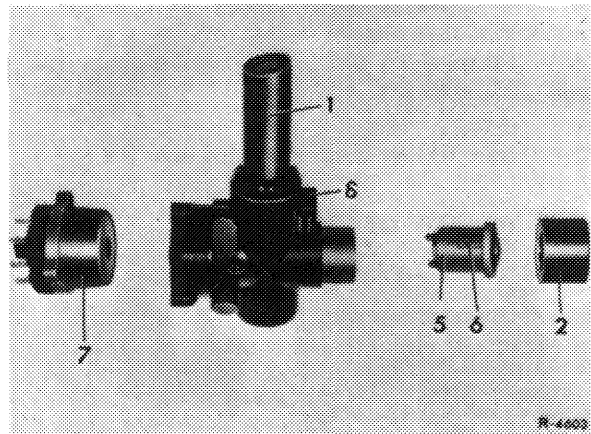
The steering lock comprises three main components:

- A. Ignition starting switch (electrical section)
- B. Locking cylinder
- C. Steering lock (mechanical section)

The ignition starting switch and the locking cylinder can be removed without removing steering lock.

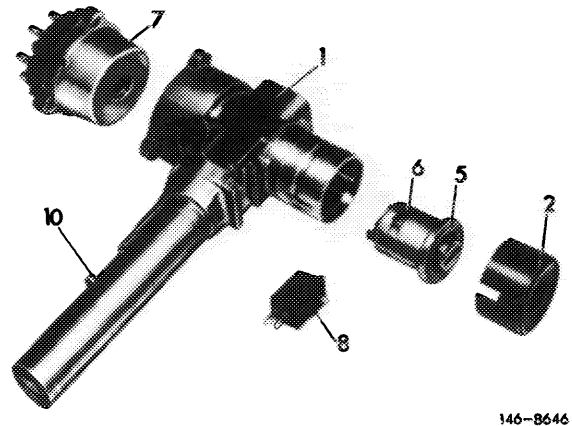
Steering lock 1st version

- 1 Steering lock
- 2 Cover (chrome-plated)
- 5 Locking cylinder
- 6 Locking pin
- 7 Ignition starting switch
- 8 Contact switch (USA-version only)



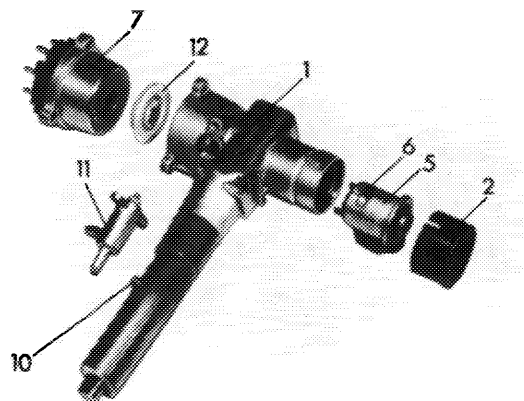
Steering lock 2nd version

- 1 Steering lock
- 2 Cover (plastics)
- 5 Locking cylinder
- 6 Detent
- 7 Ignition starting switch
- 8 Contact switch (USA-version only)
- 10 Locking pin



Steering lock with preheating-starting switch

- 1 Steering lock
- 2 Cover (plastics)
- 5 Locking cylinder
- 6 Detent
- 7 Starting switch
- 10 Locking pin
- 11 Vacuum valve
- 12 Cam disc



A. Removal and installation of ignition starting switch

Removal

- 1 Remove instrument cluster.
- 2 Remove plug connection from ignition starting switch.
- 3 Unscrew fastening screws for ignition starting switch from steering lock by means of a short screwdriver and remove ignition starting switch.

Installation

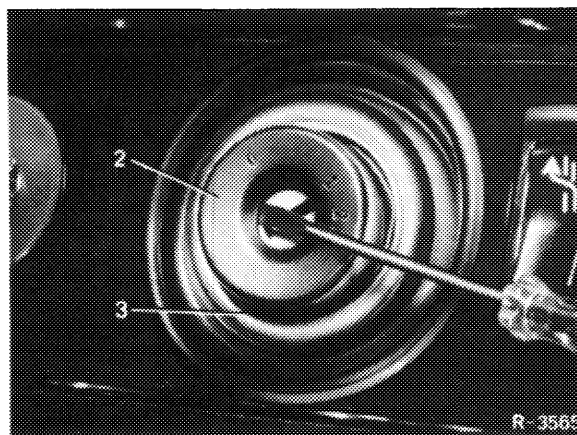
- 4 Attach ignition starting switch to steering lock and connect plugs, making sure that the switch is inserted with its locating lug in recess of steering lock.
- 5 Install instrument cluster.
- 6 Check ignition starting switch for function.

B. Removal and installation of locking cylinder

Steering lock 1st version (chromed cover, key can be pulled off in garage position "1")

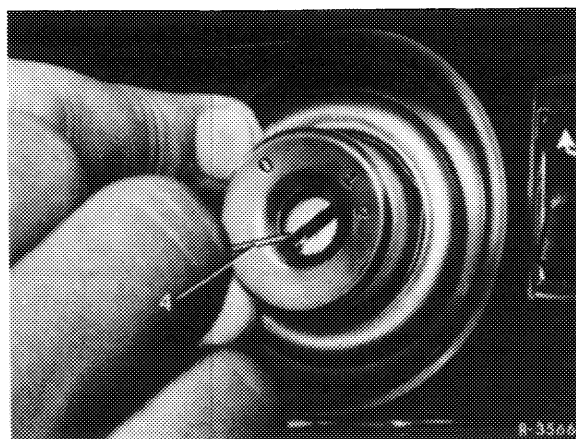
Removal

- 1 Turn key to position "1" and pull off.
- 2 Lift off cover (2) of locking cylinder by means of a small screwdriver.

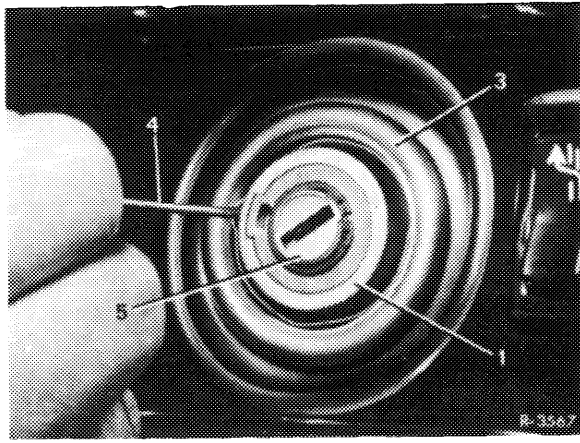


- 3 Apply hold with a steel wire (4) 1 mm thick having a 3 mm hook at one end to cover and pull out cover.

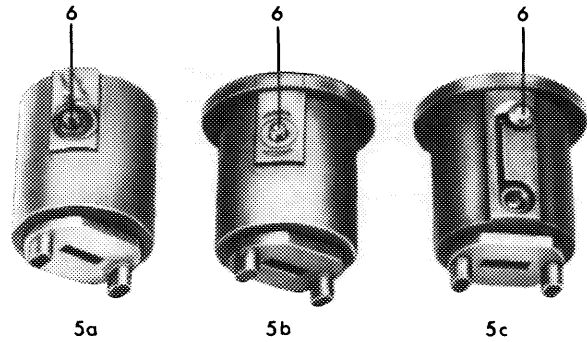
Make sure that when pulling out cover, rosette (3) in instrument lining is not also pulled off.



4 Introduce steel wire hook (4) between rosette (3) and steering lock (1), push-in locking pin (6) and slightly pull out locking cylinder by means of key.



- 5a Locking cylinder 1st version (light locking pin)
- 5b Locking cylinder 2nd version (with collar, light locking pin)
- 5c Locking cylinder 3rd version (with collar, heavy locking pin)
- 6 Locking pin



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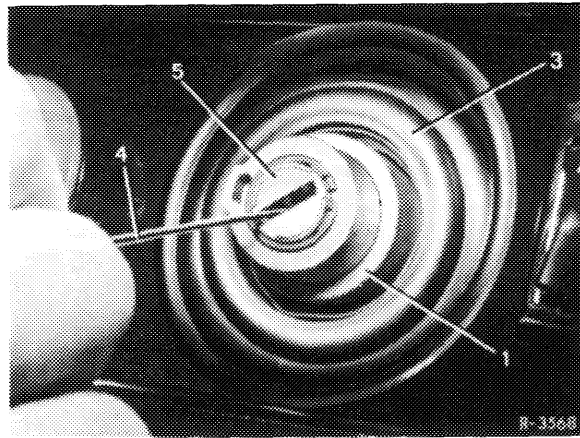
5 Introduce steel wire hook (4) into locking hole and pull out locking cylinder (5) completely.

Installation

6 Turn locking cylinder to position "1", insert in steering lock and make sure that the locking pin engages.

7 Push cover into position "1".

8 Check locking cylinder for function.



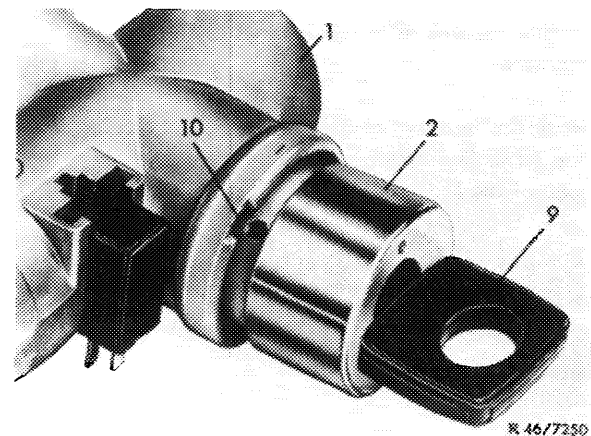
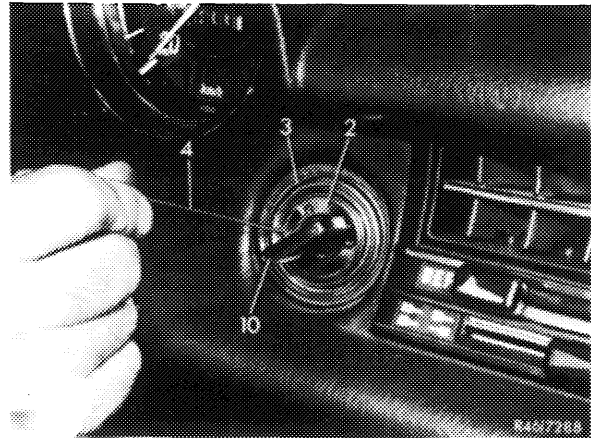
Steering lock 2nd version (chromed cover, key cannot be pulled off in garage position "1")

Note: Pertinent legislation resulted in changing the steering lock in such a manner that the key can now be pulled off in position "0" only.

Removal

- 1 Turn key into position "1", the so-called assembly or radio position.
- 2 Lift cover up to bottom edge of key and turn key to position "0".
- 3 Remove key and cover.
- 4 Put key back into locking cylinder and turn into position "1" (90° clockwise), push-in locking pin and remove locking cylinder.

Note: The locking pin is at the left and can be pushed-in only in position "1".



- 1 Steering lock
- 2 Cover
- 9 Key
- 10 Groove for lifting cover

Installation

- 5 Insert locking cylinder into steering lock (refer to item 6 in section above).
- 6 Turn key to "0" and pull off.
- 7 Place cover on steering lock, insert key and turn to position "1", push in cover.
- 8 Check locking cylinder for function.

Steering lock 3rd version (chromed cover, key cannot be pulled off in garage position "1")

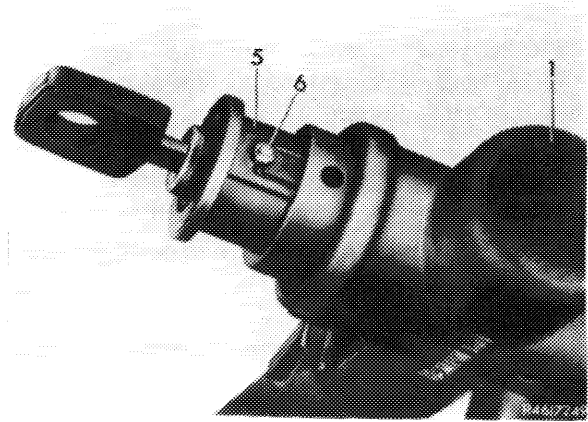
Removal

- 1 Turn key in position "1", the so-called assembly or radio position.
- 2 Lift cover up to bottom edge of key. If required, pull cover out of steering lock up to bottom edge of key by means of a wire hook 1 mm thick. Introduce hook between rosette and cover.

3 Turn key to position "0" together with cover.

4 Put key back into the locking cylinder and turn to position "1" (90° clockwise), push-in locking pin and remove locking cylinder.

Note: Locking pin is at the right and can be pushed in only in position "1".

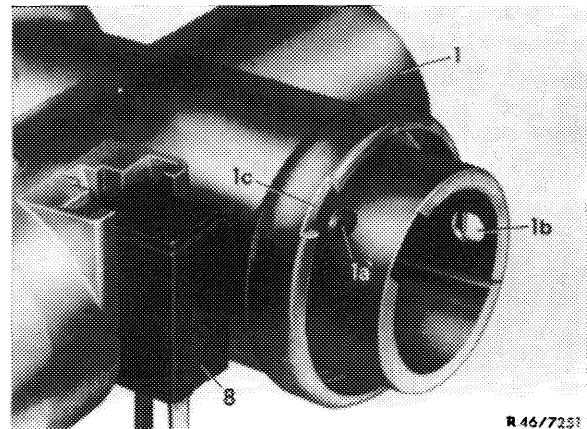


Installation

5 Turn locking cylinder to position "1" and insert in steering lock, making sure that the locking pin engages.

Note: In the event of repairs, a locking cylinder of the 1st or 2nd version may be installed into a steering lock of the 3rd version.

- 1 Steering lock
- 1a Bore for locking cylinder 1st and 2nd version
- 1b Bore for locking cylinder 3rd version
- 1c Groove for lifting cover
- 8 Contact switch (USA-version only)



6 Turn key to position "0" and pull off.

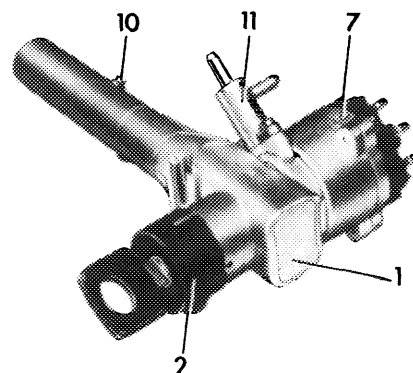
7 Place cover on steering lock, insert key and turn to position "1". Completely push down cover.

8 Check locking cylinder for function.

Steering lock 4th version (cover made of grey plastics)

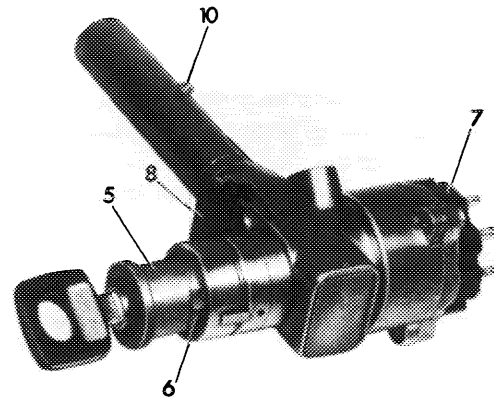
Removal

1 Pull off key and pull cover from steering lock by means of a steel wire 1 mm thick.



2 Put key back into locking cylinder and turn to position "1" (90° clockwise), push-in detent (6) and remove locking cylinder.

Note: The detent is at the right and can be pushed in only in position "1".



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Installation

3 Turn locking cylinder to position "1" and insert into steering lock, making sure that the detent engages.

4 Turn key to "0" and pull off.

5 Place cover in correct position on steering lock. Pay attention to recesses on cover.

6 Check locking cylinder for function.

C. Removal and installation of complete steering lock

Removal

1 Remove instrument cluster.

2 Remove plug connection on ignition starting switch of steering lock.

3 On model 115.114, pull both vacuum lines (14) and (15) out of connecting hoses (10) of steering lock.

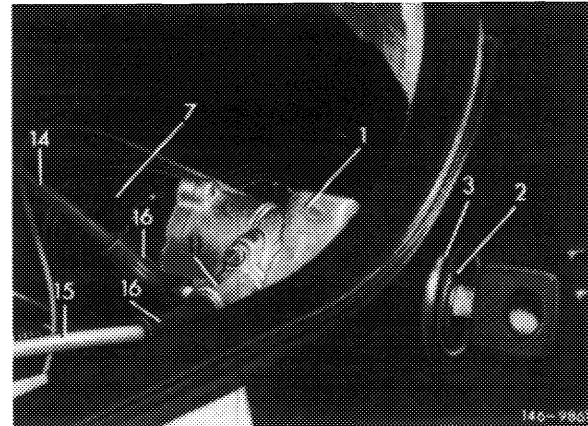
4 On models 115.115, 115.110 and 115.117, loosen cable control for preheating starting switch on steering lock.

5 Remove rosette (3) from instrument panel while unbending holding plates slightly.

6 Remove cover of steering lock (refer to section B).

Note: The cover must be removed so that the steering lock can be turned for further disassembly.

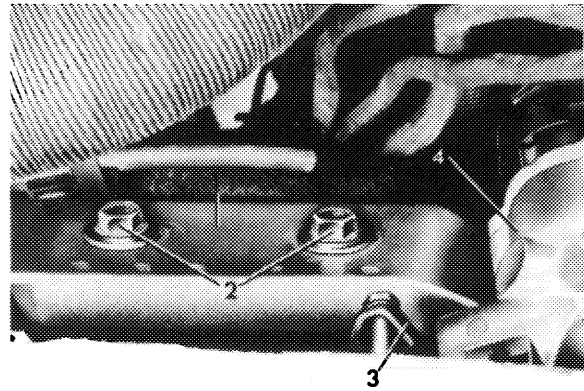
7 Put key back again and turn steering shaft in such a manner that the locking bolt cannot enter locking ring of steering shaft, then pull off ignition key.



8 On USA-vehicles, pull off plug connection of contact switch for warning buzzer.

Note: On USA-vehicles the contact switch for the warning buzzer may be removed and installed only in position "1" of the so-called assembly or radio position, with the steering wheel removed. For this purpose, pull switch out of receiving groove of steering lock.

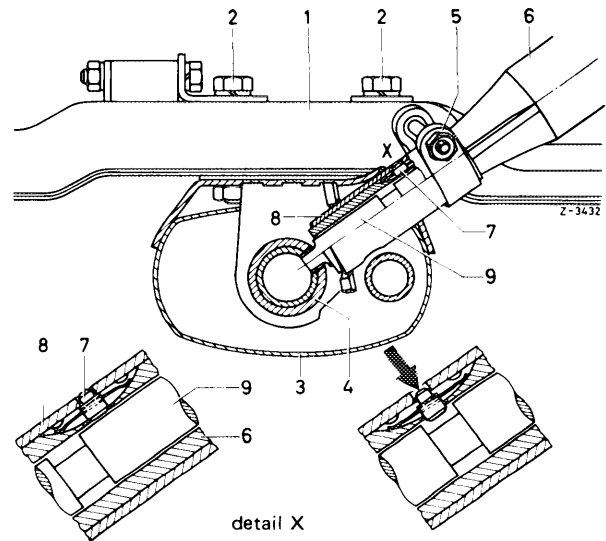
9 Loosen clamping screw on fastening clip (3).



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10 Push-in locking pin (7) for steering lock (6) with a punch approximately 5 mm thick (refer to arrow in Fig. 11). Turn steering lock and remove from holder (8) of jacket tube and instrument panel.

Attention! The locking pin can be pushed-in only in position "1" of steering lock. The pin is an additional insurance against theft.



- 1 Control arm
- 2 Hex nut
- 3 Jacket tube
- 4 Steering shaft
- 5 Fastening clip
- 6 Steering lock
- 7 Locking pin
- 8 Holder for steering lock
- 9 Locking bolt

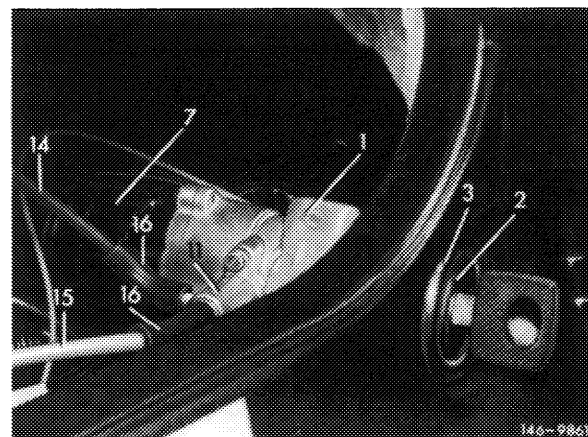
Installation

11 Insert steering lock in position "1" into holder of jacket tube, while pushing locking pin inwards. Make sure that the locking pin enters the bore of holder (8).

12 Tighten clamping screw of fastening clip (3).

13 On USA-vehicles with steering lock 2nd version, attach plug connection to contact switch.

14 On model 115.114, connect vacuum lines (14) and (15) to valve (11) of steering lock. The brown line (15) comes from vacuum pump and the brown/blue line (14) leads to vacuum box of injection pump. Minimum insertion depth of lines into connection hose (16) is 12 mm. Make sure that the connecting hose is slipped-in up to stop of valve.



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15 On models 115.110, 115.115 and 115.117, check adjusting dimension "a" of cable control of preheating starting switch. Dimension should amount to 22.7 ± 0.5 mm and can be adjusted on preheating starting switch. For this purpose, the preheating starting switch must be in position "stop". Then attach cable control to steering lock. Dimension "b" should be 162 mm.

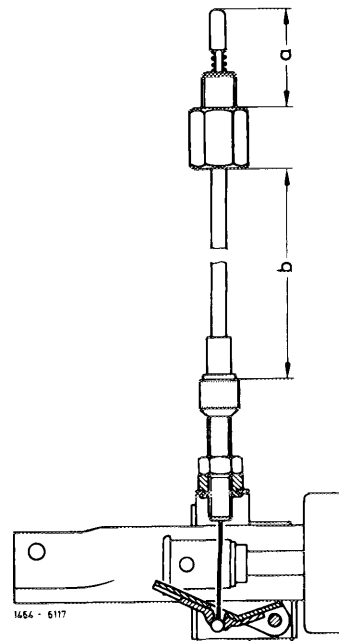
16 Attach plug connection on ignition starting switch.

17 Push cover in position "1" on steering lock (refer to section B).

18 Insert rosette into instrument panel and bend holding plate.

19 Install instrument cluster.

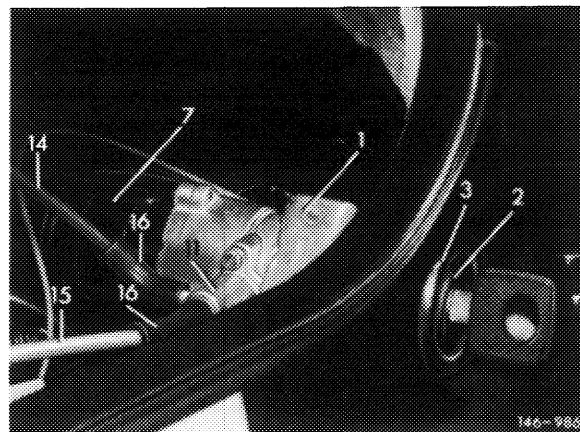
20 Check function of steering lock.



D. Removal and installation of vacuum valve on steering lock

Removal

- 1 Remove instrument cluster.
- 2 Loosen both vacuum lines (14) and (15) from vacuum valve (11) (Fig. 1).
- 3 Unscrew both slotted screws from steering lock (1) and remove valve (11).



Installation

- 4 Attach vacuum valve (11) to steering lock.
- 5 Slip both connecting hoses (16) up to stop on connecting pipes of valve.
- 6 Connect brown line (15) and brown/blue line (14) on valve. Minimum insertion depth of vacuum lines 12 mm.
- 7 Check vacuum valve for function.
- 8 Install instrument cluster.

- 1 Steering lock
- 2 Cover
- 3 Rosette
- 7 Starting switch
- 11 Vacuum valve
- 14 Vacuum line to vacuum box
- 15 Vacuum line from vacuum pump
- 16 Connecting hoses