

## Index

### Fog lights

- adjusting 94.4
- removing/installing 94.4

### Headlights

- adjusting 94.3
- assembly 94.2
- removing/installing 94.3

### High mount brake light (Coupe Quattro)

- assembly 94.9
- bulb holder, removing/installing 94.10
- lens, removing/installing 94.10

### Ignition switch

- connections 94.20
- removing/installing 94.19

### Lock cylinder

- removing/installing 94.21

### Rear lights

- assembly (80/90, 80/90 Quattro) 94.5
- assembly (Coupe Quattro) 94.7
- bulb holders 94.6
- identification (Coupe Quattro) 94.8

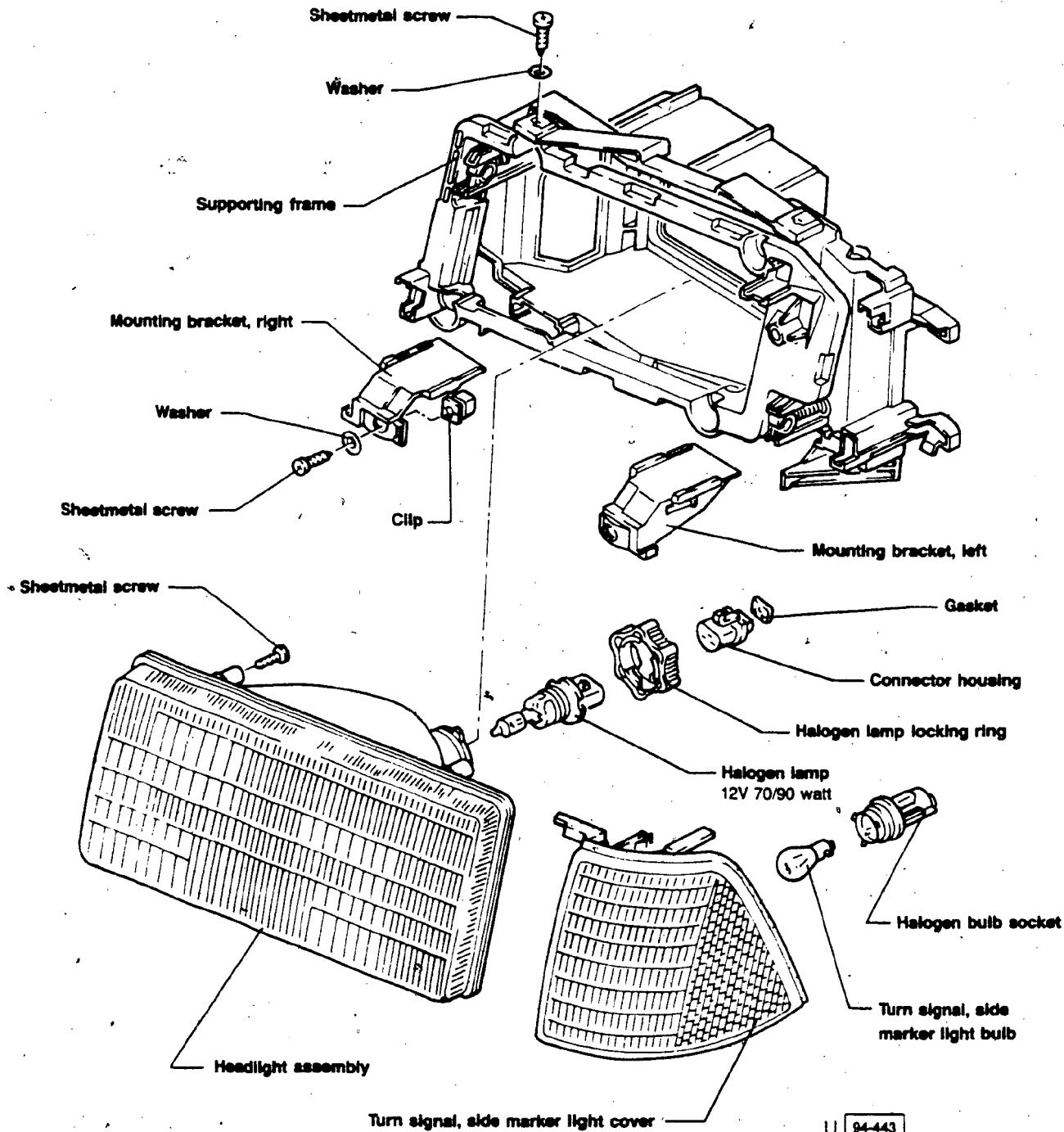
### Steering column switches

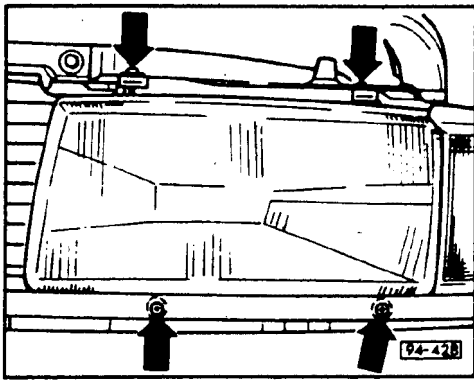
- assembly (1990) 94.11
- connector terminals, removing/installing (1990) 94.18
- removing/installing (vehicles with Airbag) 94.16
- removing/installing (vehicles without Airbag) 94.19
- terminal identification (1990) 94.12

### Steering lock housing

- removing/installing 94.20

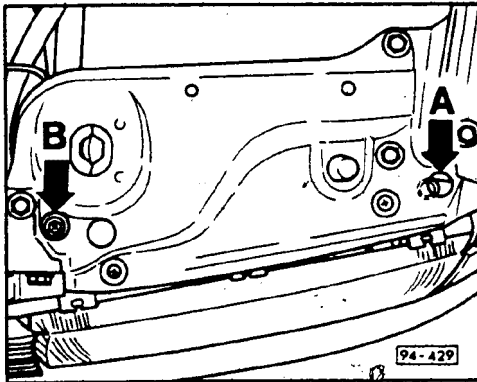
# Electrical System – Exterior Lights





► Fig. 1 Headlight, removing/Installing

- remove back covering
- disconnect wiring connectors
- remove screws (**arrows**)
- remove headlight with turn signal indicator

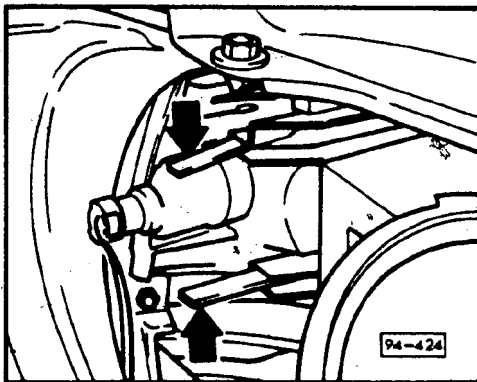


► Fig. 2 Headlight, adjusting

Headlight is adjusted by turning adjusting screws **A** and **B** with Phillips head screwdriver or inside hex wrench.

**Note**

Headlights must be aimed using optical headlight aiming equipment.

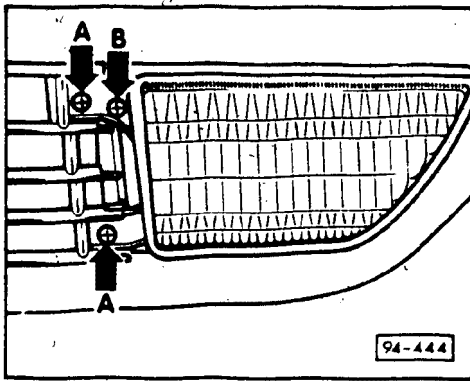


► Fig. 3 Front turn signal and side marker light, removing/Installing

**Note**

The front turn signal, and side marker light can be removed only after removing the headlight.

- squeeze both retaining tabs (**arrows**)
- disconnect electrical connector
- remove light

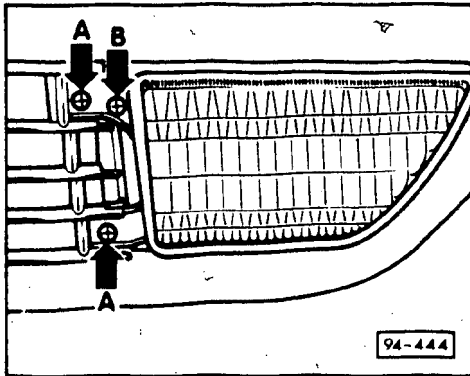


► Fig. 4 Fog lights, removing/Installing

- pull back trim around grill
- remove screws **A**
- push fog light in toward middle of vehicle and remove from front

**Note**

To replace the fog light bulb, the rear housing half of the fog light must be unscrewed.



► Fig. 5 Fog light, adjusting

**Note**

It is not possible to make a lateral adjustment of the fog light. The fog light beam can only be adjusted horizontally.

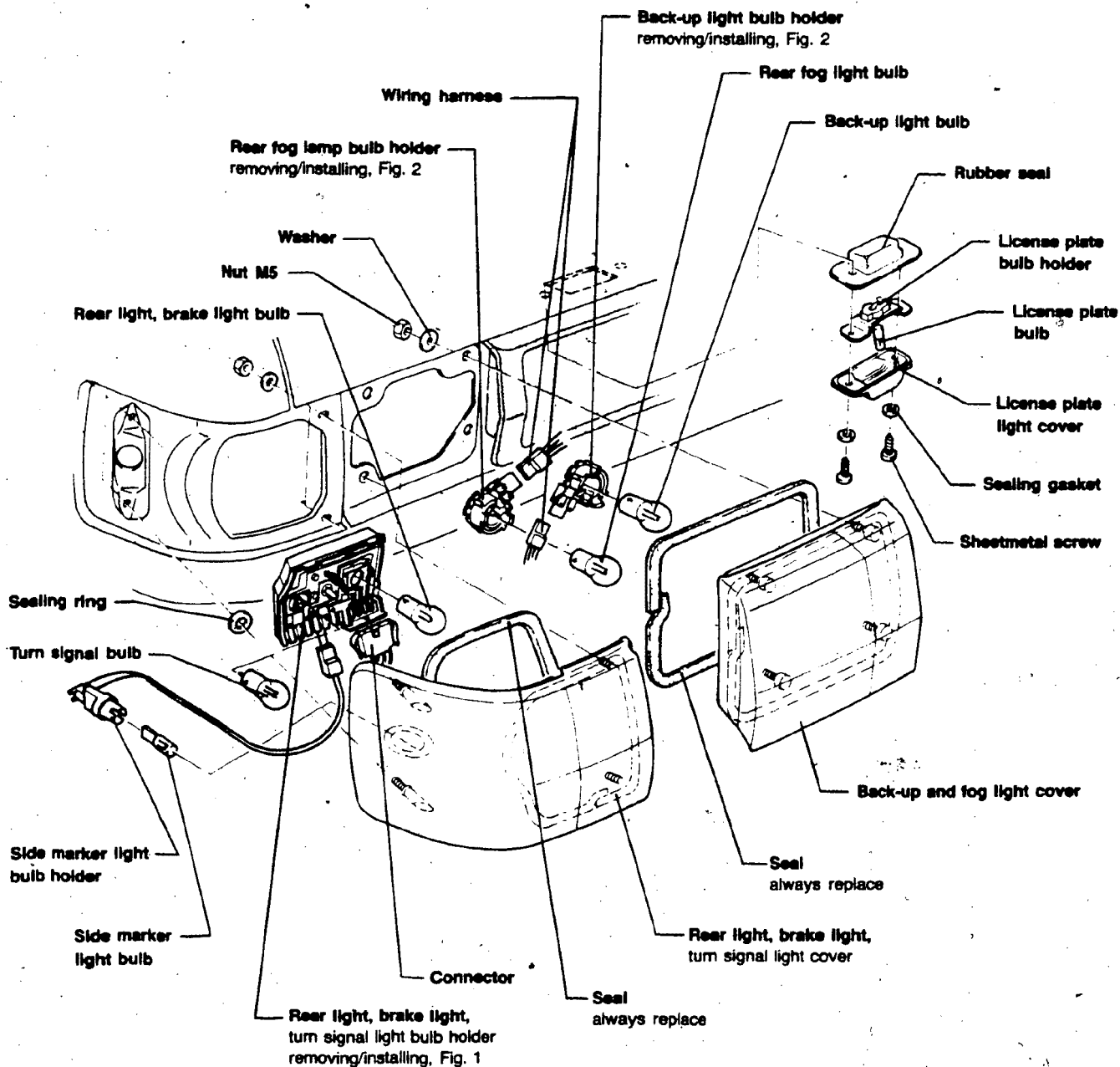
**Adjusting**

- adjust fog light beam horizontally by turning screw **B**

**THIS FRAME INTENTIONALLY LEFT**

**BLANK**

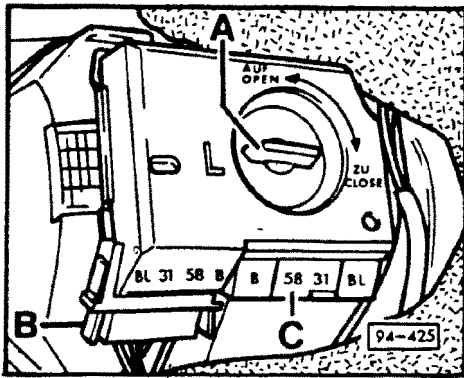
# Electrical System – Exterior Lights



94-442

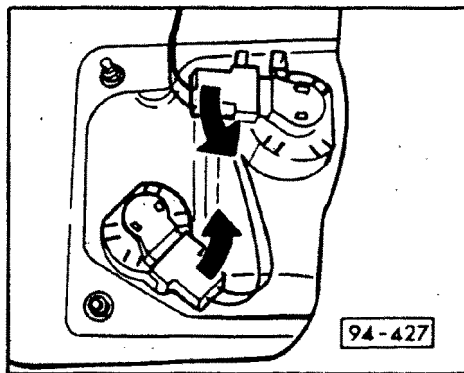
## WARNING

If a rear fog light is installed at a later date,  
— you **MUST** install a new bulb holder and cover



► Fig. 1 Rear light, brake light, turn signal light bulb holder removing/installing

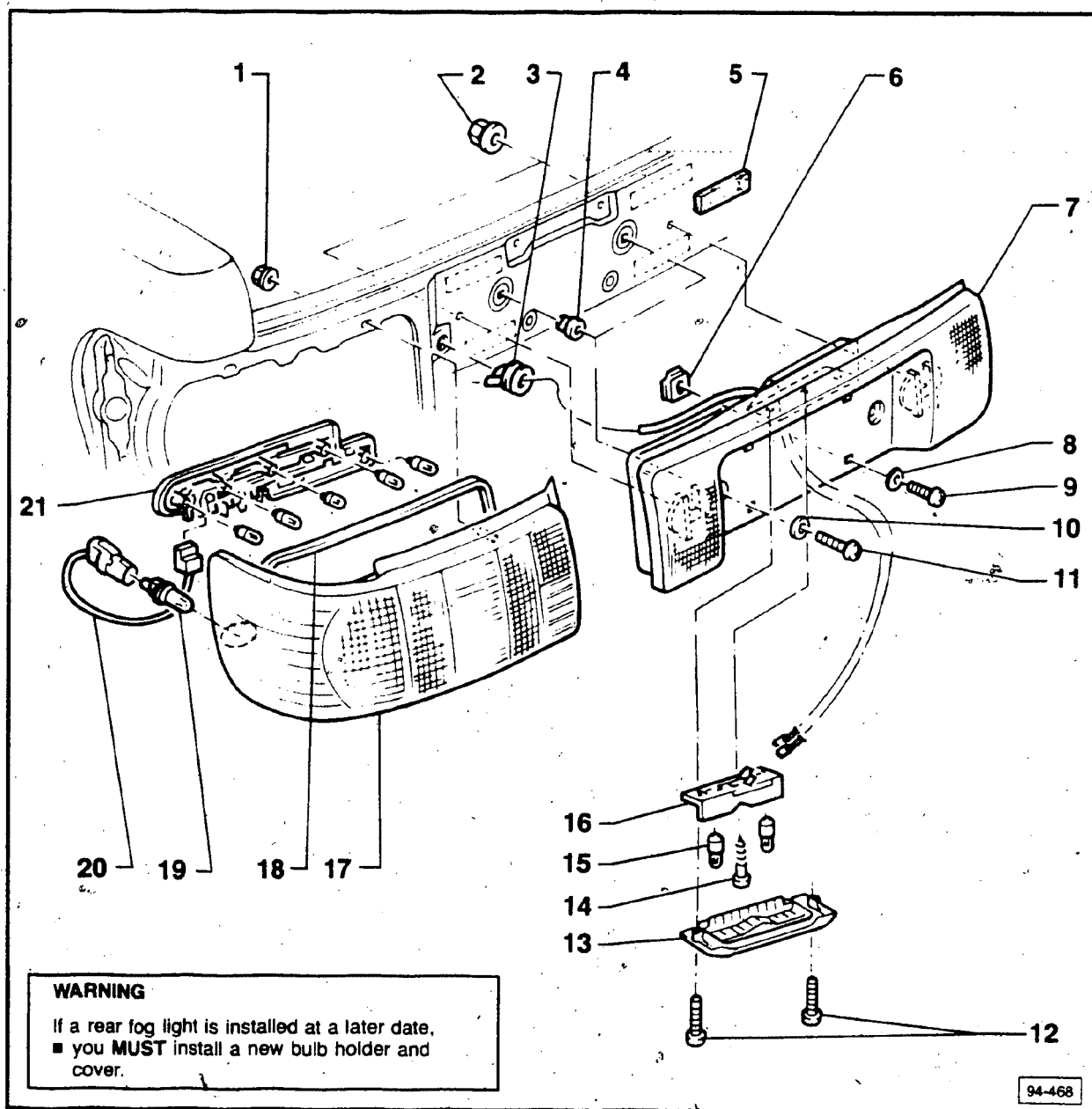
- turn locking bolt A in direction of arrow
- remove connector B
- remove bulb holder



► Fig. 2 Back-up light, rear fog light bulb holder removing/installing

- turn bulb holder in direction of arrow
- remove bulb holder

# Electrical System – Exterior Lights

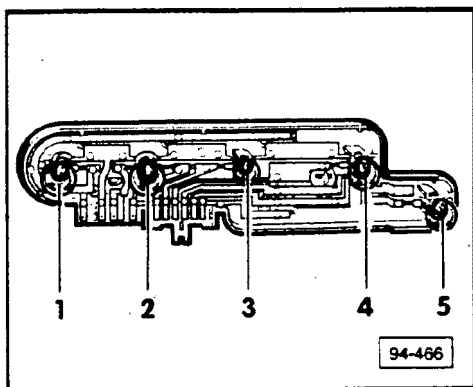


**WARNING**  
 If a rear fog light is installed at a later date,  
 you **MUST** install a new bulb holder and  
 cover.

94-468

- |                              |                                       |  |
|------------------------------|---------------------------------------|--|
| 1 — Nut M5<br>4 Nm (3 ft lb) | 9 — Screw<br>M5 x 15 mm               | 16 — License plate bulb holder   |
| 2 — Nut M5<br>4 Nm (3 ft lb) | 10 — Spring washer                    | 17 — Light cover   |
| 3 — Grommet                  | 11 — Screw<br>M6 x 10 mm              | 18 — Seal  |
| 4 — Expanding nut            | 12 — Screw<br>M4 x 15 mm              | 19 — Side marker light bulb<br>12V/3W  |
| 5 — Seal<br>always replace   | 13 — License plate light lens         | 20 — Side marker light bulb holder<br>pull socket forward from lens<br>to remove |
| 6 — Nut                      | 14 — Screw                            | 21 — Rear light bulb holder<br>bulb identification, Fig. 1                       |
| 7 — License plate trim       | 15 — License plate bulb (2)<br>12V/4W |  |
| 8 — Washer                   |                                       |  |

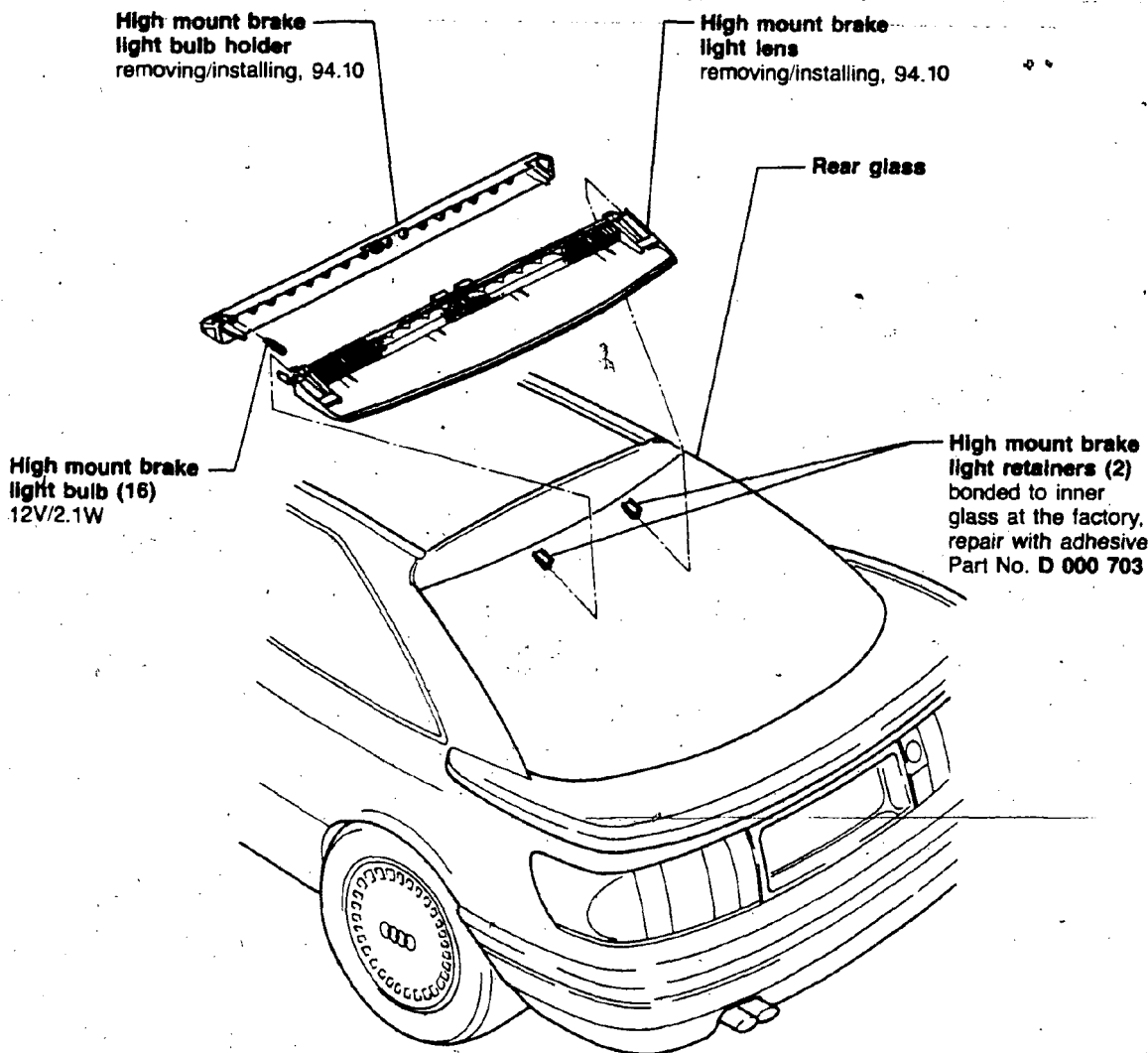




► Fig. 1 Rear light, Identification

- 1 — turn signal bulb, 12V/21W
- 2 — brake/taillight bulb, 12V, 21/5W
- 3 — taillight bulb, 12V/5W
- 4 — fog light bulb (driver side only), 12V/12W
- 5 — back-up light bulb, 12V/21W

# Electrical System – Exterior Lights



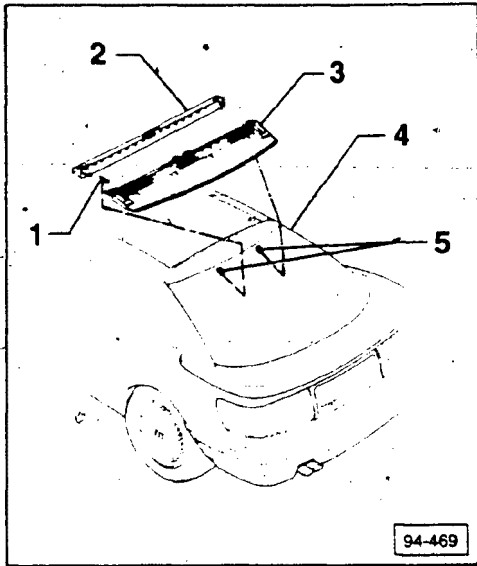
## Note

The bulbs for the high mounted brake light are separate and can be replaced individually.

## CAUTION

Part numbers are for reference only. Always consult your Parts Department for latest parts information.

94-469

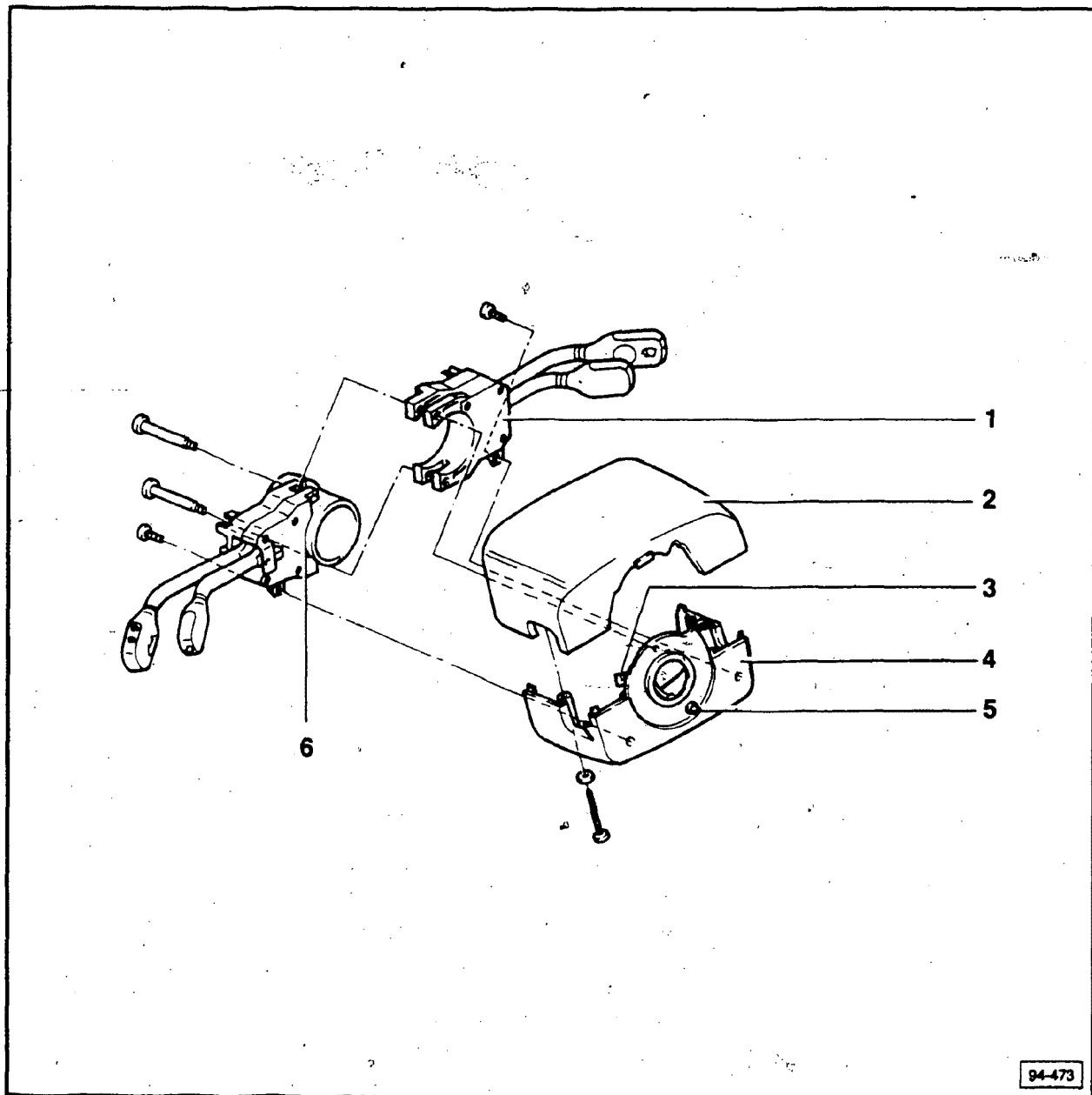


## High mount brake light bulb holder, removing/installing

- squeeze retaining tabs on each side of bulb holder 2
- pull bulb holder forward to remove
- to install, push bulb holder 2 rearward onto lens until retaining tabs engage

## High mount brake light lens, removing/installing

- remove high mount brake light bulb holder 2
- release both lens retainers and remove lens 3 by sliding rearward
- install lens by sliding forward onto retainers 5 until engaged
- re-install bulb holder 2



94-473

1 — Windshield wiper/washer switch, hazard flasher switch, headlight wiper/washer switch, board computer function selector switch and rear window wiper/washer switch (Coupe)

- terminal identification, see Index
- removing/installing, see Index

2 — Upper trim cover

- vehicles with airbag
- removing/installing, see Index

3 — Slip ring connector

4 — Lower trim cover

5 — Carbon brush

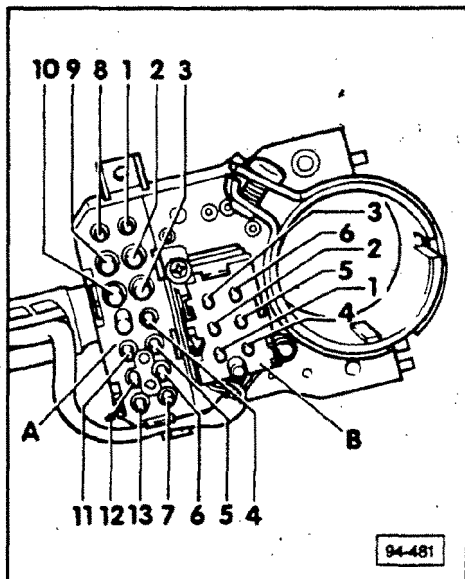
6 — Headlight switch, parking light switch, turn signal switch, low/high beam switch, headlight flasher switch and cruise control switch.

- terminal identification, see Index
- removing/installing, see Index

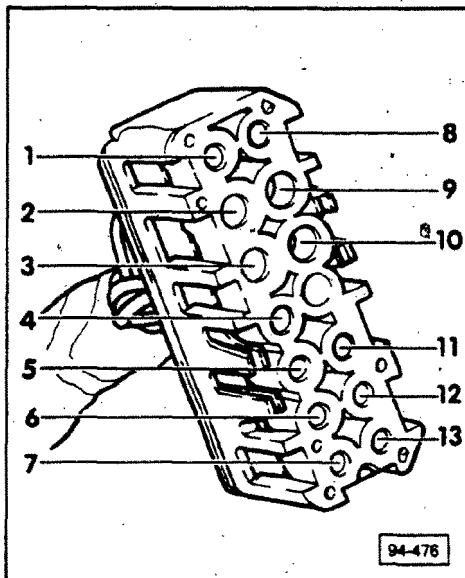
## Steering column switches, terminal identification

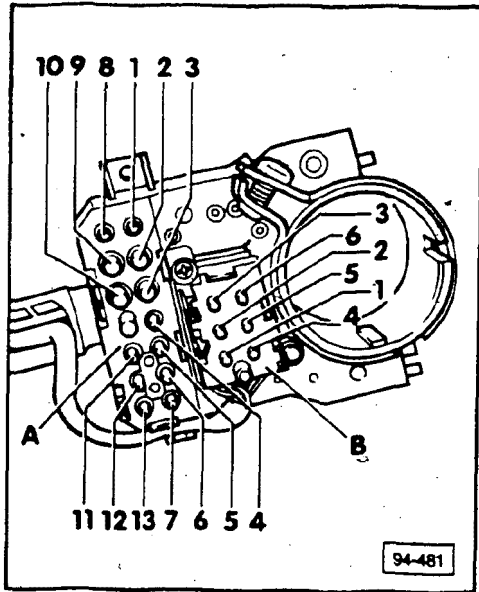
Terminal identification for headlight, turn signal, low/high beam, headlight flasher, parking light and cruise control system switches.

A — 13-point connector



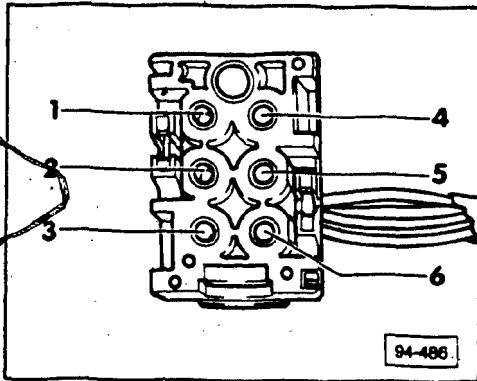
- 1 — Light switch, terminal 1 (daytime driving lights — Canada)
- 2 — Headlight dimmer/flasher switch, terminal 56a
- 3 — Light switch, terminal X
- 4 — Parking light switch, terminal PR
- 5 — Parking light switch, terminal PL
- 6 — Light switch and headlight dimmer flasher switch, terminal 30
- 7 — Headlight dimmer/flasher switch, terminal 56b
- 8 — Headlight dimmer/flasher switch, terminal 56
- 9 — Light switch, terminal 9 (daytime driving lights — Canada)
- 10 — Light switch, terminal 10 (daytime driving lights — Canada)
- 11 — Parking light switch, terminal P
- 12 — Light switch and headlight dimmer flasher switch, terminal 30
- 13 — Light switch, terminal 58



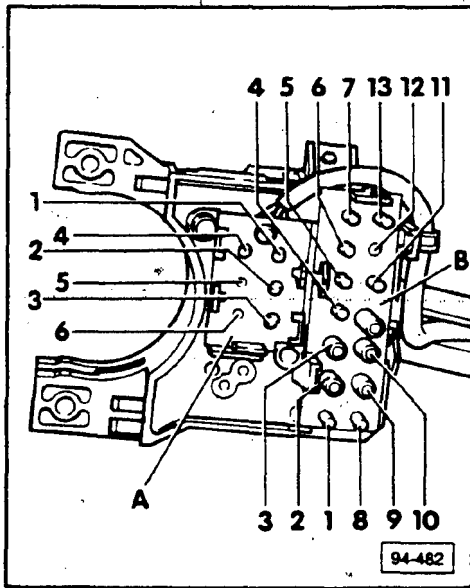


**B** — 6-point connector, cruise control system

- 1 — Terminal 15
- 2 — ON, RESUME and OFF (with buttons)
- 3 — Input from control unit, terminal 3
- 4 — ON and RESUME
- 5 — RESUME
- 6 — Set (storing)



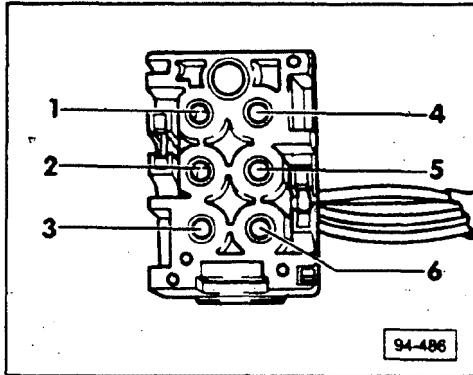
# Electrical System – Exterior Lights



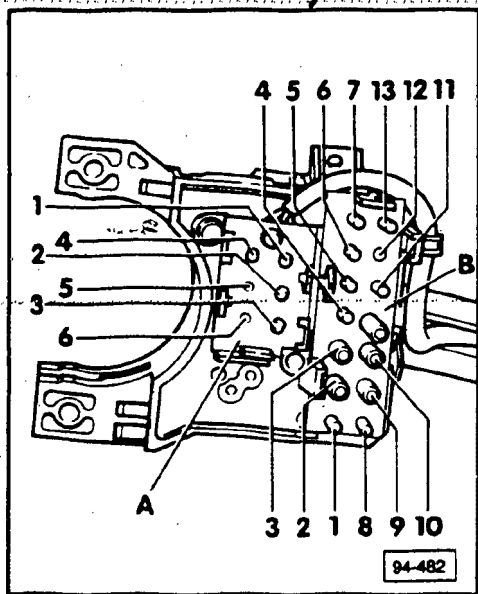
Terminal identification for hazard flashers, windshield washer/wiper, headlight washer system, board computer and rear window washer/wiper (Coupe)

A — 6-point connector

- 1 — Board computer, RESET
- 2 — Board computer, terminal 31
- 3 — Board computer, rocker switch down
- 4 — Board computer, rocker switch up
- 5 — Not connected
- 6 — Not connected

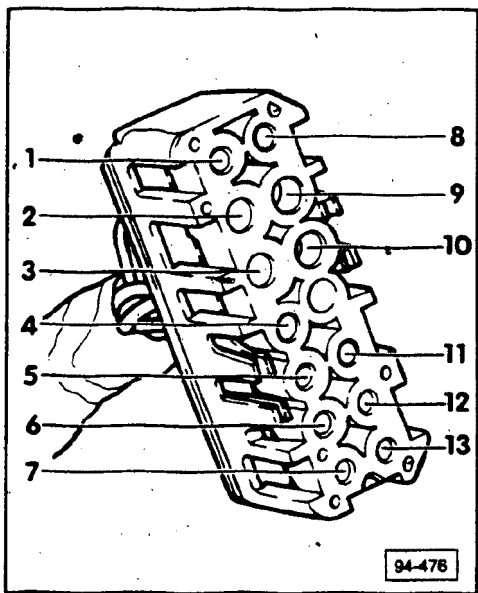


# Electrical System – Exterior Lights



## B — 13-point connector

- 1 — Hazard flasher switch, terminal L
- 2 — Windshield wiper switch, terminal 53a
- 3 — Windshield wiper switch, terminal 53
- 4 — Windshield wiper switch, terminal J
- 5 — Hazard flasher switch, terminal 49
- 6 — Windshield wiper switch, terminal 53c
- 7 — Hazard flasher switch, terminal R
- 8 — Hazard flasher switch, terminal 49a
- 9 — Windshield wiper switch, terminal 53e
- 10 — Windshield wiper switch, terminal 53b
- 11 — Hazard flasher switch, terminal 30a
- 12 — Rear window wiper/washer, terminal HW (Coupe)
- 13 — Hazard flasher switch, terminal K





**THIS FRAME INTENTIONALLY LEFT**

**BLANK**

## Steering column switches, removing/ installing (vehicles with Airbag)

### Removing

#### CAUTION

Before removing the steering wheel or steering column switches, disconnect the airbag voltage supply connector.

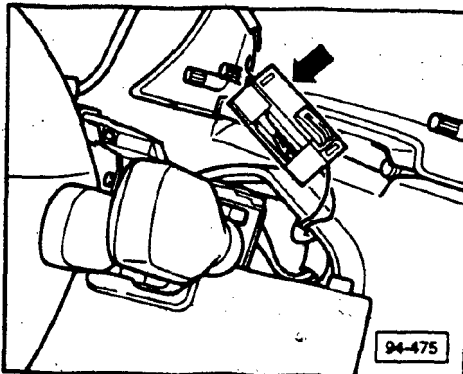
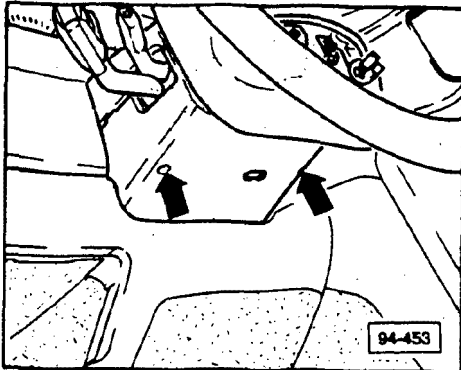
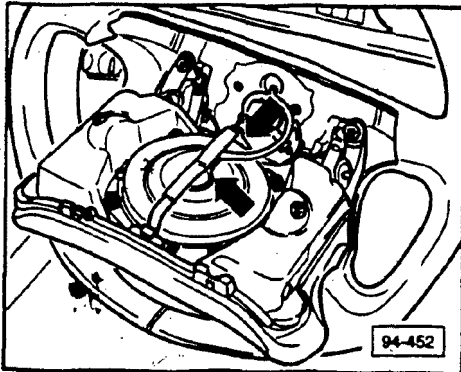
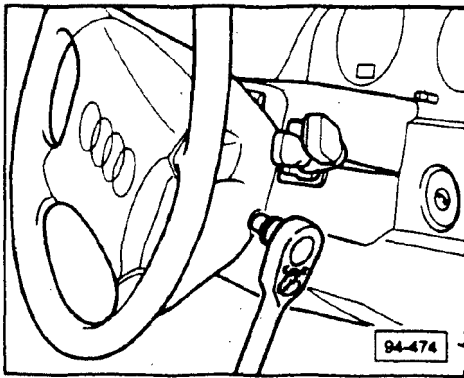
- disconnect battery ground strap
- turn steering wheel to straight ahead position
- remove airbag unit retaining screws (**Torx T30**) from left and right side of steering wheel
- tilt airbag unit down
- remove airbag unit connector retaining strap (**arrows**)
- disconnect airbag unit connector and remove airbag unit

#### CAUTION

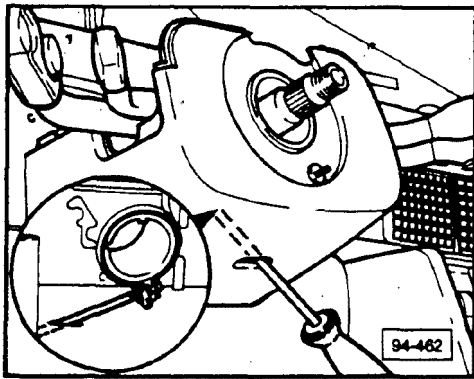
Always place a removed airbag unit so that the horn pad faces upwards.

- remove upper trim retaining screws (**arrows**) and remove upper trim cover

- pull airbag unit connector out of lower trim cover and disconnect (**arrow**)
- remove steering wheel



# Electrical System – Exterior Lights



- loosen clamp screw inside steering column cover
- remove steering column switches

## Installing

### CAUTION

Before installing steering wheel, make sure that turn signal switch is in the centered (straight ahead) position, otherwise the cancelling mechanism cam will be damaged.

- install steering column switches in reverse order of removal
- tighten airbag unit Torx bolts to 6 Nm (53 in. lb)

## Steering column switches connector terminals, removing/installing

### Removing

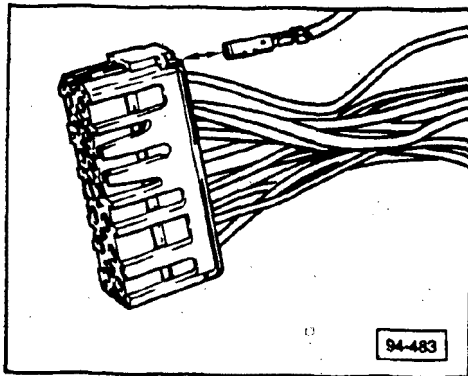
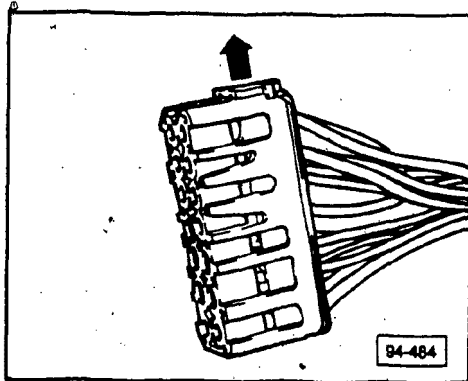
#### CAUTION

Do not use a punch or screwdriver to remove terminals or damage to the terminal and/or connector will result.

- push slide lock open in direction of (arrow)
- remove appropriate terminal and replace or repair as necessary

If replacing terminal,

- properly crimp new terminal to wire

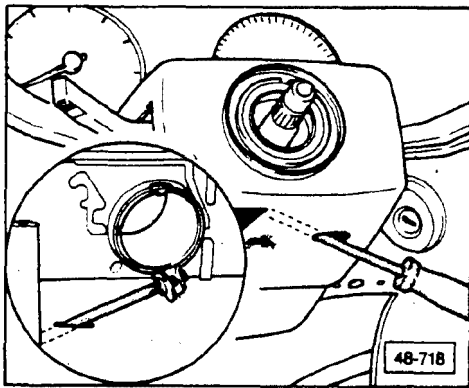


### Installing

- insert terminal into proper location of connector
- push sliding lock closed until locked

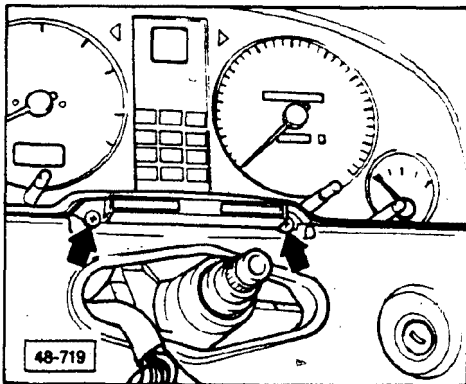
### Note

Use the same procedure to remove/install connector terminals on both the 6-point and 13-point steering column connectors.



## Steering column switches, removing/installing (vehicles without Airbag)

- remove battery ground cable
- remove steering wheel
  - 40 Nm (29.5 ft lb)
- loosen clamp screw inside steering column cover
- pull cover forward and remove electrical connectors
- remove steering column switches

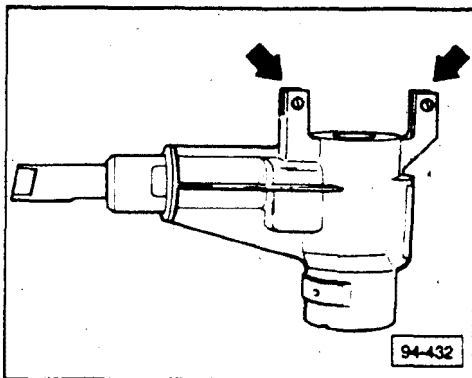


## Ignition switch, removing/installing

- remove steering column switches, see Index
- remove instrument cluster retaining screws (**arrows**)
- tilt instrument cluster backwards slightly and remove electrical connectors
- remove instrument cluster

### Removing

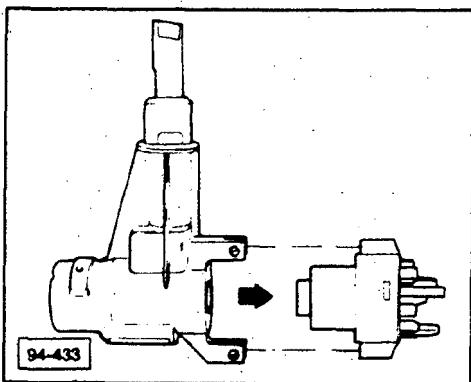
- clean locking compound from screws
- remove electrical connector
- loosen screws (**arrows**)



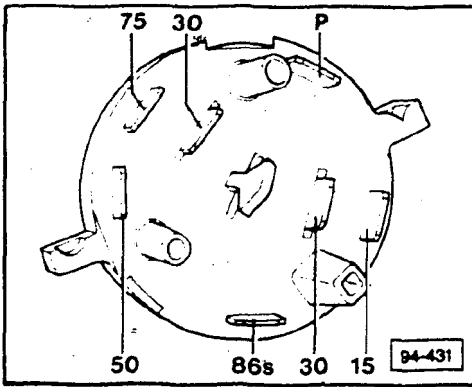
- remove ignition switch in direction of arrow

### Installing

- turn ignition switch to **OFF** position
- push switch in until stop
- install both retaining screws and coat with locking compound



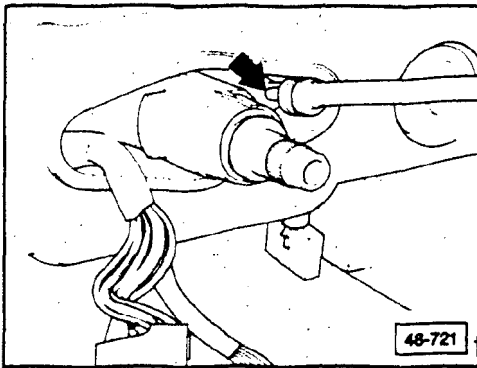
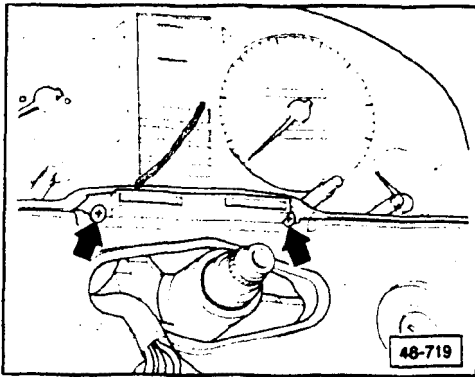
## Ignition switch, connections



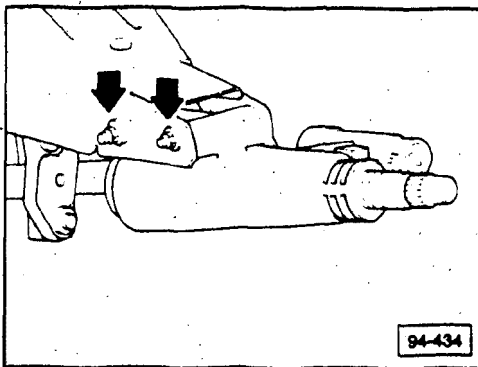
## Steering lock housing, removing/installing

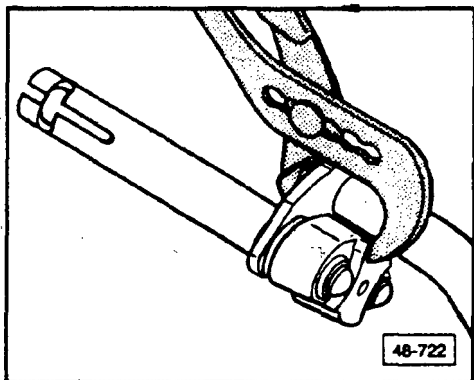
### Removing

- disconnect battery ground cable
- remove steering wheel center cover
- remove steering wheel
  - 40 Nm (29.5 ft lb)
- remove steering column switches
- remove instrument cluster mounting screws (arrows)
- carefully move instrument cluster back and remove electrical connectors
- remove instrument cluster
- remove steering lock housing Torx® bolt (arrow)
- use bit, Snap-On® #FPXR30 or equivalent



- remove nuts and bolts (arrows)
- push steering column tube down until steering lock housing can be removed





## Installing

- press flange and steering column tube together up to stop
- install steering column housing in reverse order of removal

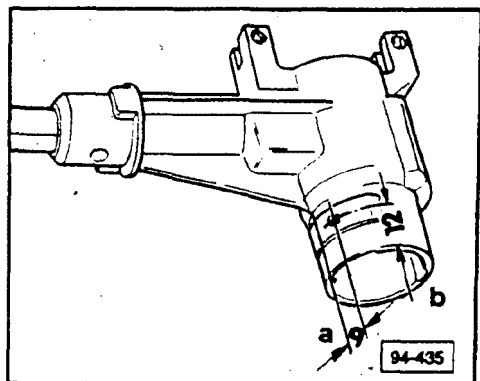
## Note

Always replace self-locking nuts on the steering column tube during repairs.

## Lock cylinder, removing/installing

### Removing

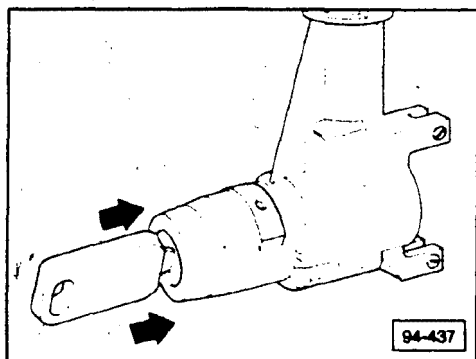
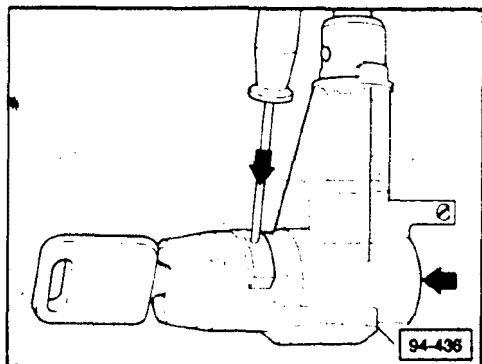
- remove steering lock housing
- remove ignition switch
- drill steering column housing with 3 mm drill according to illustration
  - a = 9.0 mm (.35 in.)
  - b = 12.0 mm (.50 in.)



### CAUTION

Do not drill too deep or lock cylinder will be damaged.

- insert ignition key into lock cylinder
- push down retaining spring through hole with mandrel
- remove lock cylinder



### Installing

- insert key into lock cylinder
- insert key with lock cylinder into housing in OFF position