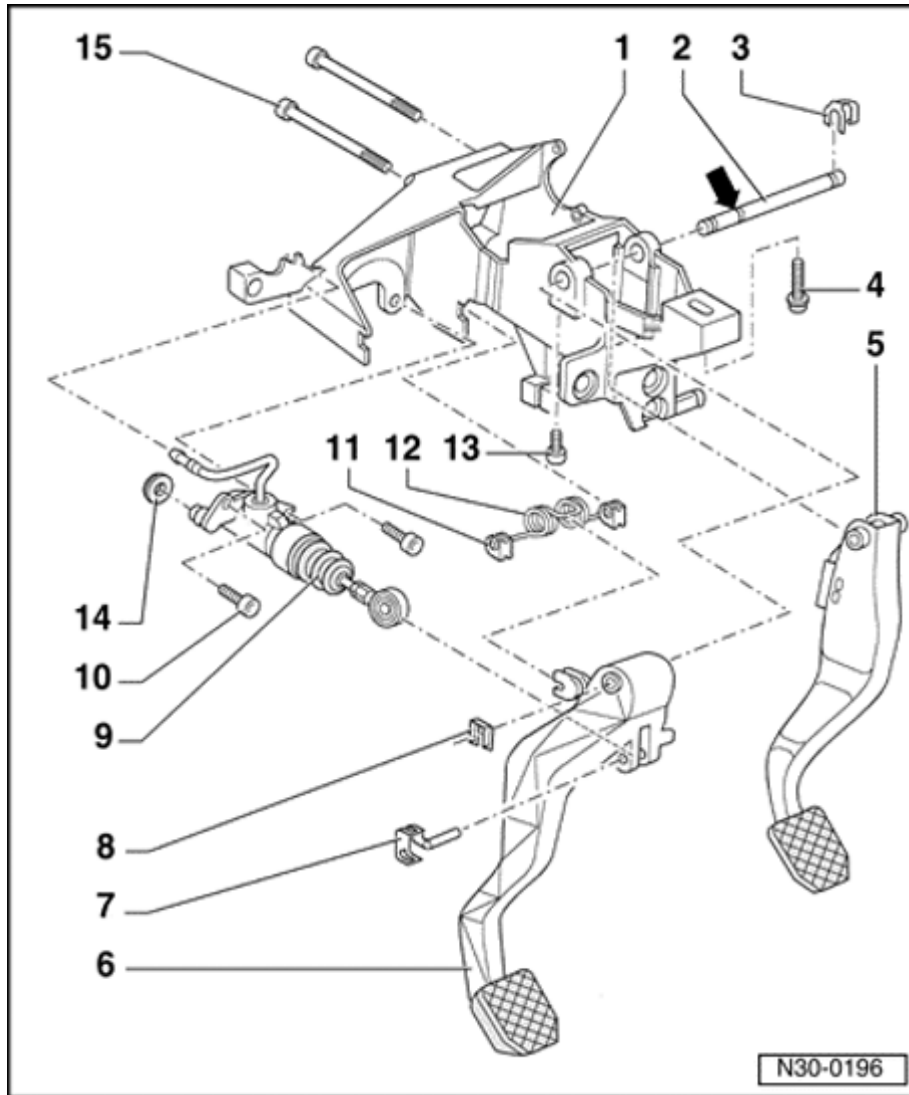


Brake pedal - assembly overview

WARNING!

Brake pedal travel must not be restricted by additional floor covering.

- 1 - Mounting bracket**
- 2 - Pivot pin for clutch and brake pedal**
 - ◆ Installation position: The groove (arrow) faces towards clutch pedal.
- 3 - Locking clip**
- 4 - Hex socket head bolt, 25 Nm**



5 - Brake pedal

- ◆ Install onto pin
- ◆ Removing and installing ⇒ [Page 46-79](#)

6 - Clutch pedal

- ◆ Removing and installing

⇒ *Repair Manual, Manual Transmission, Repair Group 30; Servicing clutch control; Removing and installing clutch pedal*

7 - Pin

- ◆ Always replace

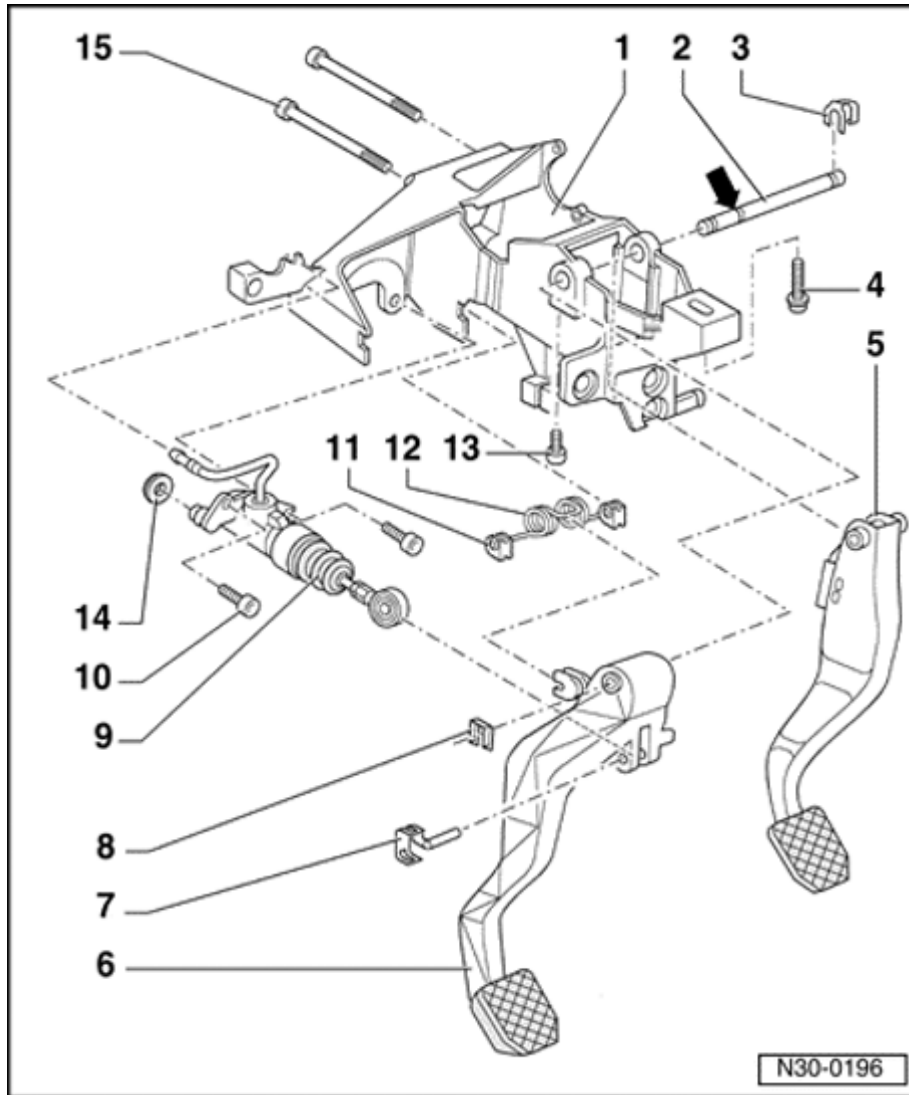
8 - Locking clip

9 - Master cylinder

10 - Hex socket head bolt, 20 Nm

11 - Mounting

- ◆ Install in mounting bracket with over-center spring
- ◆ Installation position: Deep groove faces downward
- ◆ Allocation: Parts catalog



12 - Over-center spring

- ◆ Allocation: Parts catalog
- ◆ Remove and install with clutch pedal

⇒ *Repair Manual, Manual Transmission, Repair Group 30; Servicing clutch control; Removing and installing clutch pedal*

13 - Hex socket head bolt, 5 Nm

- ◆ Securing clutch pedal and brake pedal pivot pin

14 - Seal

15 - Torx screw, 25 Nm

- ◆ Secures the brake master cylinder and brake servo



Brake pedal, removing and installing

Special tools and workshop equipment required

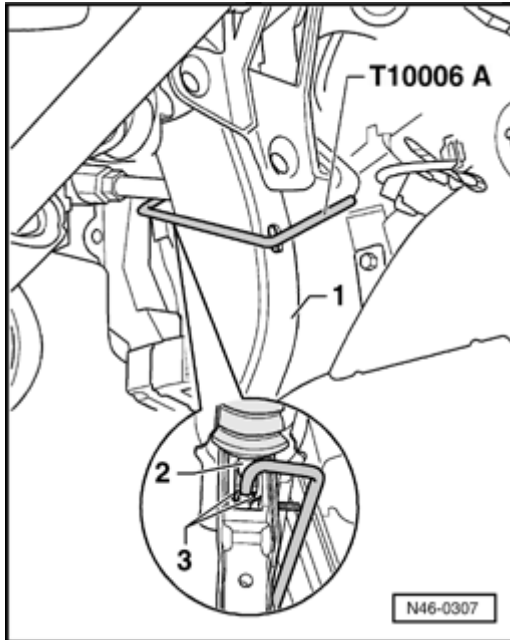
- ◆ T 10006 A Release tool

Removing

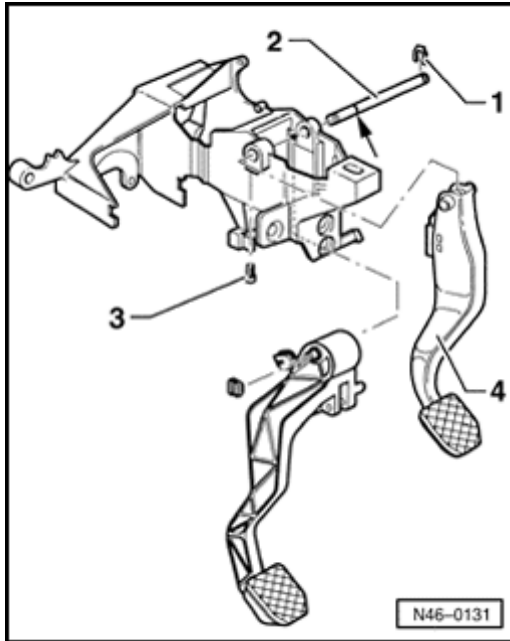
- Remove cover, driver side.

⇒ [Repair Manual, Body Interior, Repair Group 68; Compartments, covers and trims; Removing driver's side cover](#)

- Pull back and remove brake light switch, if necessary, the brake pedal switch.

**A**

- First press brake pedal in direction of brake servo and hold.
 - Insert special tool T 10006 A and pull in direction of driver's seat. When doing this, counterhold brake pedal. (At this point the pedal must not be allowed to move backward). The mounting retaining lugs -3- will then be pressed from the ball head of the push rod -2-.
- 1 - Brake pedal
2 - Push rod
3 - Retaining lugs
- Pull special tool T 10006 A together with brake pedal towards the driver's seat. (The brake pedal will then be pulled off the ball head of the push rod).
 - Pull brake pedal from push rod.



A

- Pull securing clip -1- from clutch and brake pedal pivot pin -2-.
- Loosen socket head bolt -3- until it is no longer seated in the groove -arrow-.
- Push pivot pin -item 2- to the left until the brake pedal can be removed.
- Remove brake pedal.

Installing

Installation is carried out in the reverse sequence, note the following:

- Do not tighten socket head bolt -3- until retaining clip has been installed to clutch and brake pedal pivot pin.

Joining brake pedal to brake servo

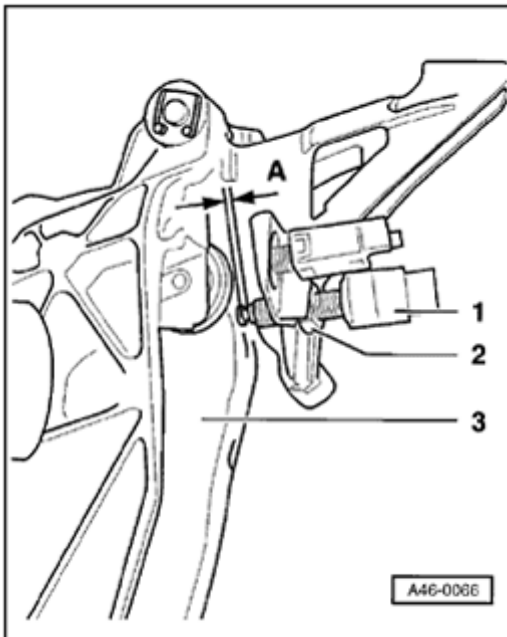
- Hold push rod ball head in front of mounting and push brake pedal in direction of brake servo until ball head engage audibly.
- Adjust brake light switch and, if necessary, brake pedal switch ⇒ [Page 46-82](#) .



Adjusting brake light switch (F) and brake pedal switch (F47)

- Remove driver's side stowage tray.

Mounting bracket with threaded hole for the brake light switch.



A

- 1 - Brake light switch
- 2 - Hex nut, M12 × 1.5
- 3 - Brake pedal

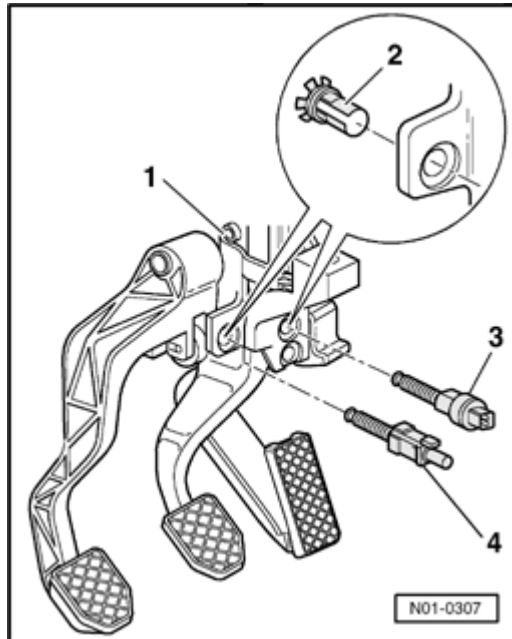
There is a spring ring between nut -2- and pedal bracket (not visible in illustration).

Before adjusting the brake light switch, make sure the brake pedal is in the rest position.

- Screw in and out brake light switch until dimension -A- = 0.1 ... 0.5 mm is set.
- Tighten nut -2- to 4.5 Nm.
- Reinstall driver's side stowage tray.
- Check operation of brake light switch ⇒ [Page 46-85](#)



Mounting bracket with clip for brake light switch.



A

- 1 - Pedal cluster mounting bracket
- 2 - Clip
- 3 - Brake light switch -F with brake pedal switch -F47

Make sure there is secure installation, install brake light switch only once.

- 4 - Clutch pedal switch -F36

Installation is to be done for brake light switch -F

Installing brake light switch

- Clip installed in mounting bracket
 - Brake pedal not depressed
- Insert the switch -3- into installed clip -2-.
 - Press it in until the plunger touches the brake pedal.
 - Check operation of brake light switch ⇒ [Page 46-85](#)

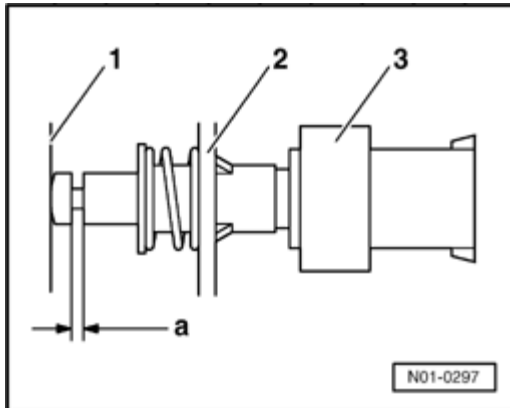


Checking adjustment after installation

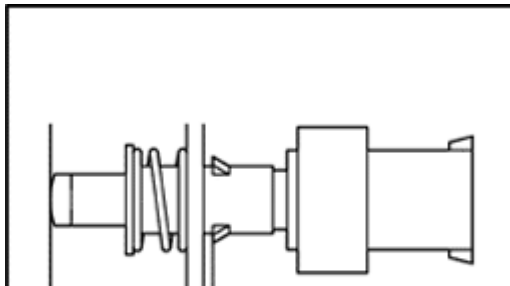
1 - Brake pedal

2 - Mounting bracket

3 - Brake light switch -F with brake pedal switch
-F47



⚠ Dimension a = max. 0.7 mm



⚠ Dimension b = max. 0.7 mm

It is necessary that one of these dimensions is adhered to.

- Check dimensions a or b and correct the adjustment by screwing the brake light switch in or out.

After adjusting the brake light switch make sure the brake pedal is in the rest position.



Checking operation of brake light switch

- Operate brake pedal.

Brake lamps light up.

- Take foot off brake pedal.

Brake lamps must not light up.