

**Data**

Caliper	Bendix (Bx)-FB 38	Teves M, 38
Shaft width for brake shoes	62 + 0.15	
Disc contact width „a“ (Fig. 1)	approx. 12.5	approx. 14

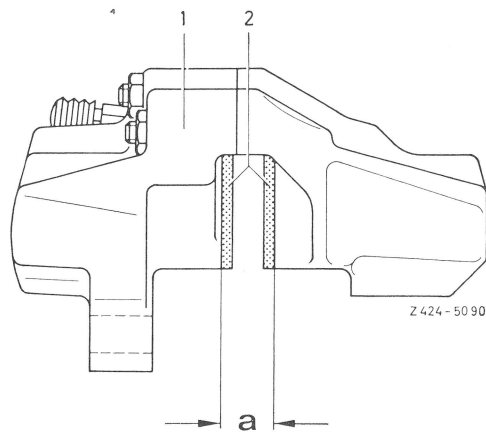


Fig. 1

- a = Disc contact width  
 1 Caliper  
 2 Brake shoe

**Tightening Torque**

Hex. bolt for attaching caliper to wheel carrier  
 of rear axle

Nm (kpm)

90 (9)

**Conventional Tool**

Open double box wrench SW 9 x 11

e.g. made by Hazet order No. 612

**Note**

For loosening and tightening brake lines, use conventional double box wrench.

**Removal**

1 Pump brake fluid out of rear brake circuit through an open bleeder plug.

2 On vehicles with diagonal swing axle with brake line layout version 1 or with starting torque compensation, loosen brake line (32) on caliper, then immediately close brake line and connection on caliper with a rubber plug (Fig. 3 and 5).

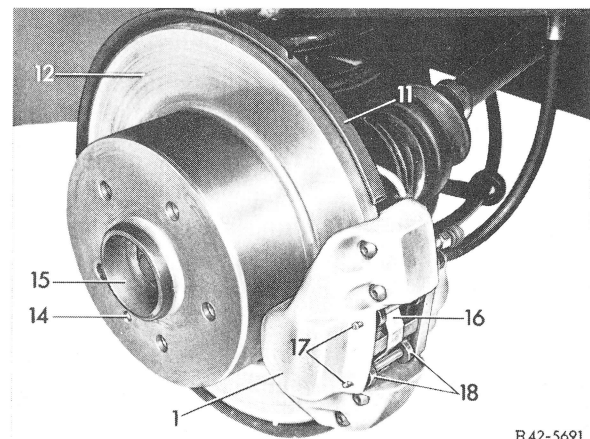


Fig. 2

- 1 Caliper  
 11 Cover plate  
 12 Brake disc  
 14 Set pin  
 15 Rear axle shaft flange  
 16 Cross spring  
 17 Holding pin  
 18 Brake shoe

# 42.1 Removal and Installation of Rear Brake Caliper

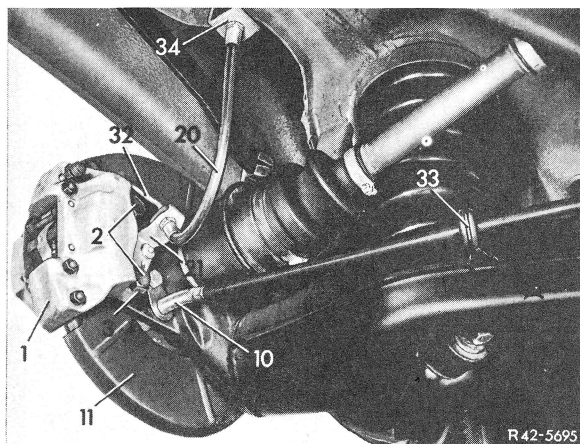


Fig. 3  
Brake line layout version 1

- |                        |  |
|------------------------|--|
| 1 Caliper              | 21 Brake hose holder                         |
| 2 Hex. bolt            | 32 Brake line                                |
| 3 Lock plate           | 33 Holder for brake cable with rubber sleeve |
| 10 Brake cable control | 34 Holder on underbody                       |
| 11 Cover plate         |  |
| 20 Brake hose          |  |

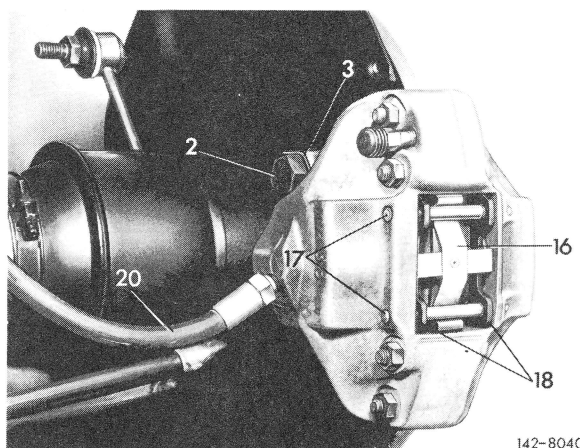


Fig. 4  
Brake line layout version 2

- |                 |                |
|-----------------|----------------|
| 2 Hex. bolt     | 17 Holding pin |
| 3 Lock plate    | 18 Brake shoe  |
| 16 Cross spring | 20 Brake hose  |

**3** On version 2, loosen brake hose (20) on holder of underbody from brake line and screw out of caliper. Close all connections immediately with rubber plugs (Fig. 4).

**4** Unbend lock plate (3) and unscrew hex. bolts (2). Then remove caliper (Fig. 3, 4 and 5).

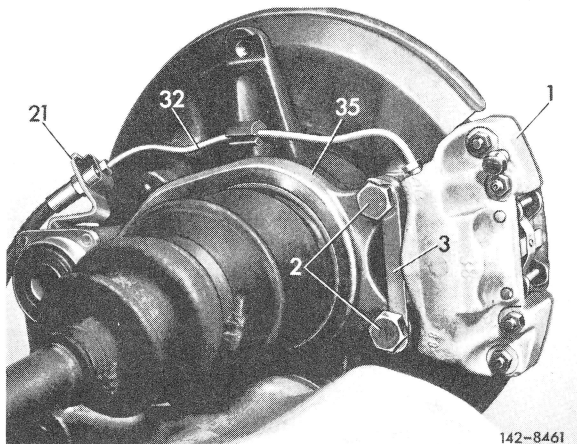


Fig. 5  
Brake line layout on diagonal swing axle with starting torque compensation

- |              |                          |
|--------------|--------------------------|
| 1 Caliper    | 21 Brake hose holder     |
| 2 Hex. bolt  | 32 Brake line            |
| 3 Lock plate | 35 Brake caliper carrier |

## Installation

**Caution!** When installing a new caliper, observe the following:

On calipers located behind axle center on diagonal swing axle, the elevation on caliper (to reduce tendency toward squealing) must be on top.

On caliper in front of axle center on diagonal swing axle with starting torque compensation, elevation must be at bottom (Fig. 6).

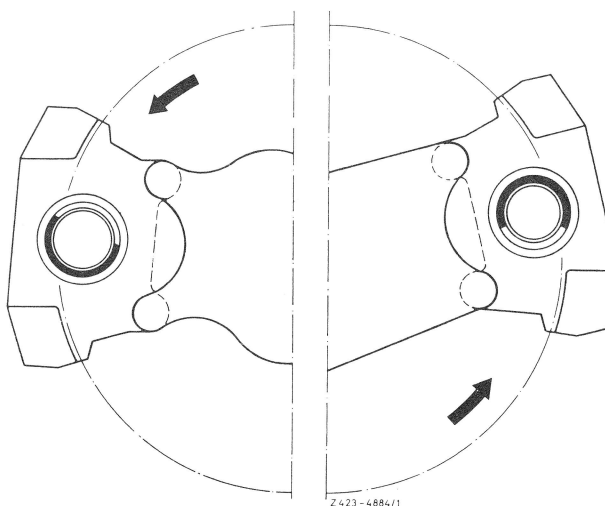


Fig. 6  
Version on diagonal swing axle with starting torque compensation  
Version on diagonal swing axle

**5** Position caliper against holder of wheel carrier (4). Then screw hex. bolt (2) into holder using a new lock plate (3) (Fig. 3 to 10), tighten to 90 Nm (9 kpm) and secure.

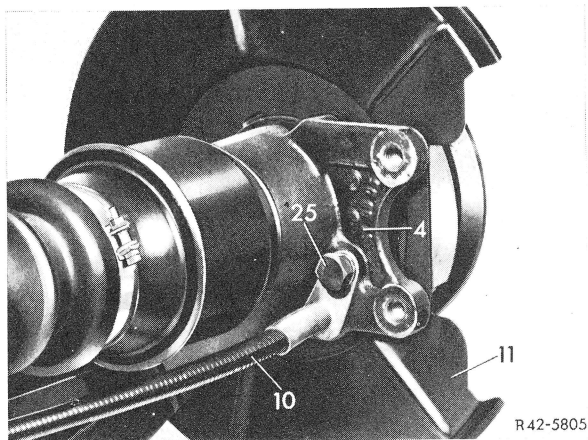


Fig. 7

- |                        |                |
|------------------------|----------------|
| 4 Wheel carrier        | 11 Cover plate |
| 10 Brake cable control | 25 Hex. bolt   |

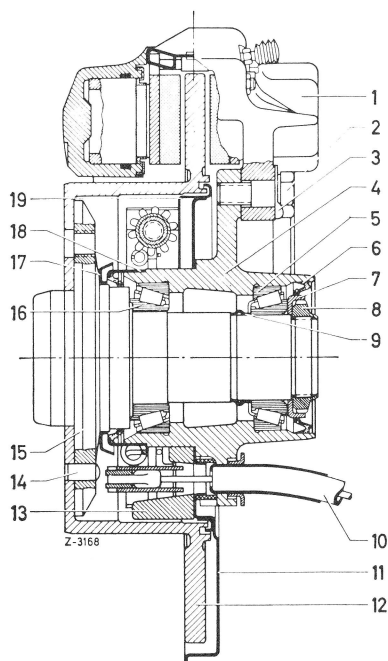


Fig. 8

Layout of cover plate diagonal swing axle version 1

- |                                |                                 |
|--------------------------------|---------------------------------|
| 1 Caliper                      | 11 Cover plate                  |
| 2 Hex. bolt                    | 12 Brake disc                   |
| 3 Lock plate                   | 13 Supporting web               |
| 4 Wheel carrier                | 14 Set pin                      |
| 5 Inner tapered roller bearing | 15 Rear axle shaft flange       |
| 6 Radial sealing ring          | 16 Outer tapered roller bearing |
| 7 Seal running ring            | 17 Dust cap                     |
| 8 Slot nut                     | 18 Radial sealing ring          |
| 9 Spacer sleeve                | 19 Brake carrier                |
| 10 Brake cable control         |                                 |

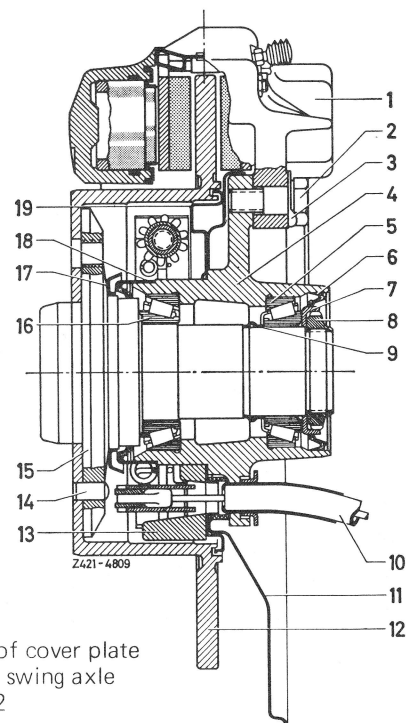


Fig. 9

Layout of cover plate diagonal swing axle version 2

- |                                |                                 |
|--------------------------------|---------------------------------|
| 1 Caliper                      | 11 Cover plate                  |
| 2 Hex. bolt                    | 12 Brake disc                   |
| 3 Lock plate                   | 13 Supporting web               |
| 4 Wheel carrier                | 14 Set pin                      |
| 5 Inner tapered roller bearing | 15 Rear axle shaft flange       |
| 6 Radial sealing ring          | 16 Outer tapered roller bearing |
| 7 Seal running ring            | 17 Dust cap                     |
| 8 Slot nut                     | 18 Radial sealing ring          |
| 9 Spacer sleeve                | 19 Brake carrier                |
| 10 Brake cable control         |                                 |

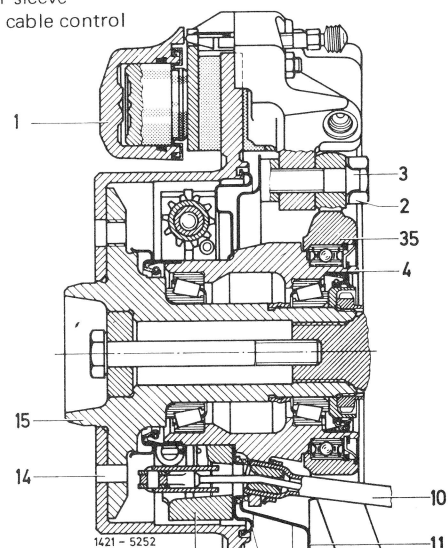


Fig. 10

Layout of cover plate diagonal swing axle with starting torque compensation

- |                        |                           |
|------------------------|---------------------------|
| 1 Caliper              | 13 Supporting web         |
| 2 Hex. bolt            | 14 Set pin                |
| 3 Lock plate           | 15 Rear axle shaft flange |
| 4 Wheel carrier        | 16 Brake disc             |
| 10 Brake cable control | 19 Brake carrier          |
| 11 Cover plate         | 35 Caliper carrier        |

# 42.1 Removal and Installation of Rear Brake Caliper

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**6** Screw brake line (32) or brake hose (20) into caliper and tighten (Fig. 3, 4 and 5).

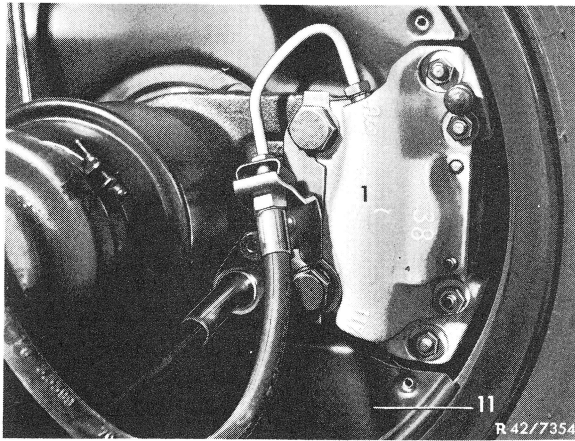


Fig. 11

Cover plate version 2

1 Caliper    11 Cover plate

**7** On vehicles with version 2 of brake line layout (Fig. 4), connect brake hose on brake line to holder of underbody.

**Note:** Watch out for correct hose layout, particularly on vehicles with diagonal swing axle with starting torque compensation.

**8** Bleed brake system and check for leaks (42.0—010 and 42.0—015).

**9 Caution! Actuate brake pedal several times energetically prior to moving off**, so that correct play between brake disc and brake pad is established. Then supplement brake fluid supply in compensating tank of tandem master cylinder.