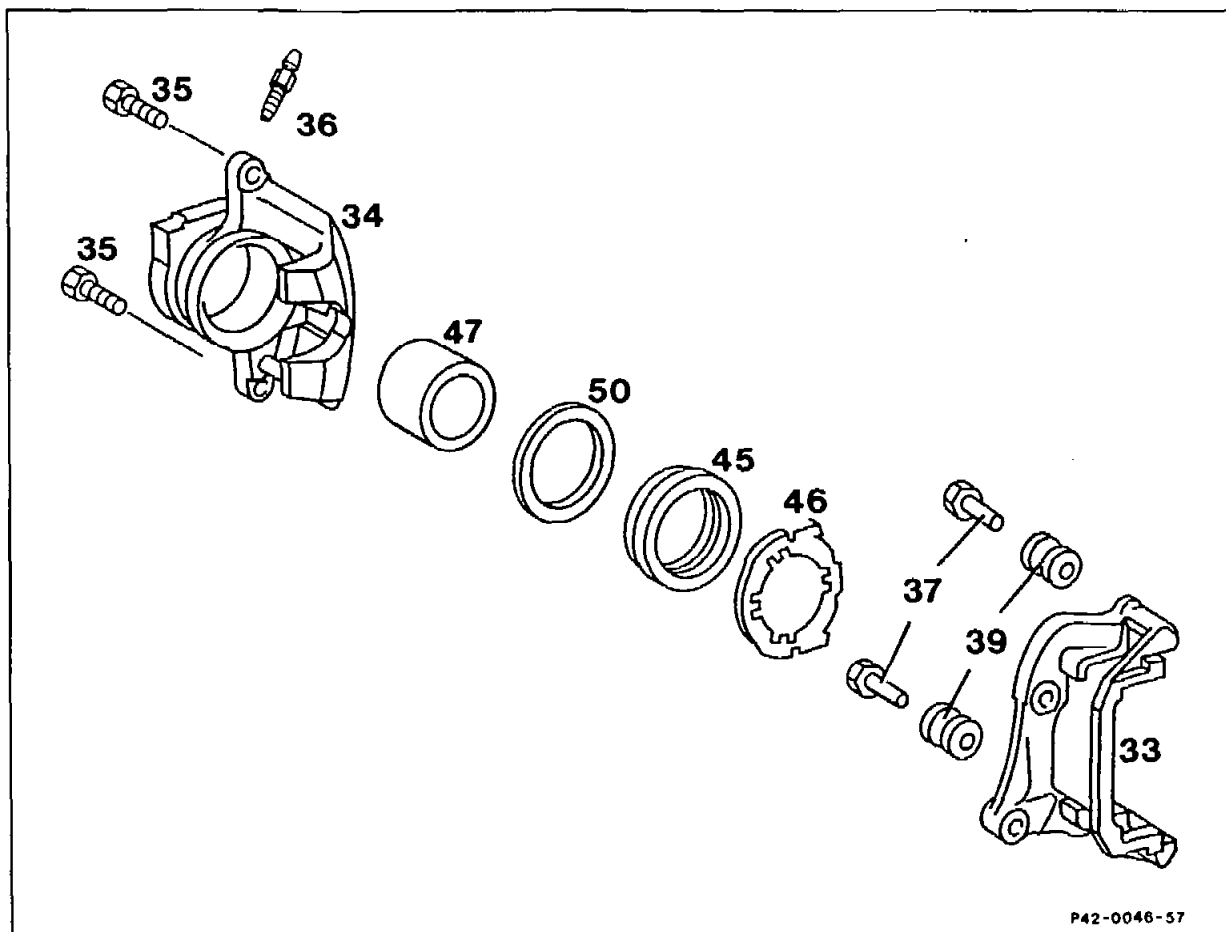


## 42-0152 Disassembly and assembly of floating caliper, replacement of parts according to condition

Preceding work:  
Removal and installation of floating caliper on front axle  
(42-0110).

Operation no. of operation texts and work units or standard texts  
and flat rates  
42-5183, 42-5185



P42-0046-57

- |                               |   |
|-------------------------------|---|
| Self-locking bolts (35) ..... | remove, install and replace. Counterhold sliding pins (23), 35 Nm (item 1).                             |
| Heat shield (46) .....        | remove, install. Ensure that the retaining lugs engage in the upper groove of the piston (47) (item 2). |

Piston (47) .....	force out with compressed air (approx. 0.5 bar), use piston turning tongs 000 589 50 37 00. If piston (47) is seized due to rust, replace complete cylinder housing (34). Remove deposits on piston with soft brass wire brush or rough cloth. Do not use polishing or emery cloth on the piston to prevent damage to the chrome-plating is noticed, replace piston (item 3).
Piston seal (50) .....	remove from groove in cylinder bore. Check cylinder bore of floating caliper for wear. If the ore is scored or rusty, replace complete floating caliper. Narrow minor rust spots in the bore can be removed with polishing cloth, more severe rust in front of the groove for the piston seal with fine emery paper (grain size 380 to 500). Lightly coat new piston seal with ATE brake cylinder paste and insert into groove in cylinder bore (item 4).
Dust cap (45) .....	replace. Ensure that dust cap is seated properly (item 5).
Dust boots (39) .....	replace. Ensure that boots are seated properly (item 6).
Sliding pins (37) .....	remove, install. Clean sliding pins (37) and sliding pin guides in brake carrier (33), coat with special grease (included in sliding pin repair kit). When installing ensure that sliding pins move easily (item 6).



## Data

Model	201.018	201.028	124.003 <sup>2)</sup>	124.004 <sup>2)</sup>	124.003 <sup>3)</sup>	124.004 <sup>3)</sup>
	201.022	201.029	124.020	124.021	124.007	124.019
	201.023	201.034	124.023 <sup>2)</sup>	124.041	124.022	124.023 <sup>3)</sup>
	201.024	201.035	124.043 <sup>2)</sup>	124.080	124.026	124.027
	201.122	201.128	124.081	124.083 <sup>2)</sup>	124.028	124.030
	201.126		124.10 <sup>4)</sup>	124.120	124.040	124.042
			124.125	124.126	124.043 <sup>3)</sup>	124.050
			124.130	124.180	124.060	124.062
			124.185	124.186	124.079	124.082
			124.190		124.083 <sup>3)</sup>	124.088
					124.090	124.10 <sup>5)</sup>
					124.127	124.128
					124.129	124.131
					124.133	124.188
					124.191	124.193
					124.2	124.3
Brand	Teves Girling Lucas	Girling Lucas	Teves Girling Lucas	Teves Girling Lucas		
Housing dia., new <sup>1)</sup>	<u>54.00</u> 54.05	<u>54.00</u> 54.05	<u>54.00</u> 54.05	<u>54.00</u> 54.05		
Shaft width for brake pads	95	95	110	110		
Brake disc thickness	11	22	12	22		
Brake disc dia.	262 ± 0.4	262 ± 0.4	284 ± 0.4	284 ± 0.4		

<sup>1)</sup> The housing diameter at the outer section of the bore may be exceeded by up to 0.1 mm by polishing with emery cloth for repair

<sup>2)</sup> Fitted up to 06/88

<sup>3)</sup> Fitted as of 07/88

<sup>4)</sup> Fitted up to 09/90

<sup>5)</sup> Fitted as of 10/90

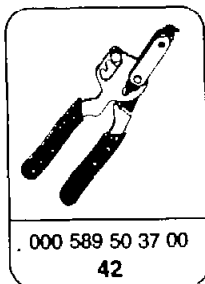
## Lubricant

ATE brake cylinder paste

Special grease (included in sliding pin repair kit)

15 g

## Special tool

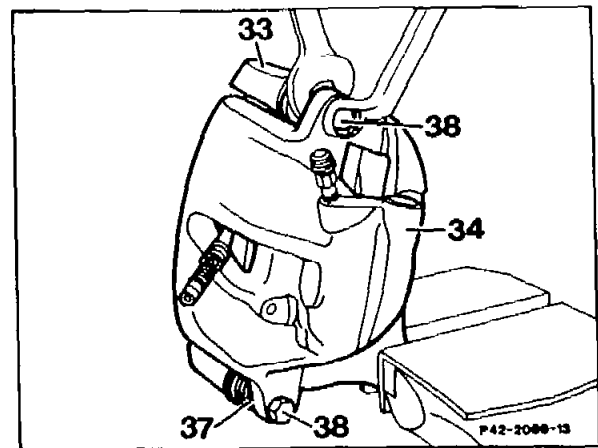


## Disassembly, assembly

### Note

When reconditioning ensure that floating caliper and repair kits are from the same manufacturer.

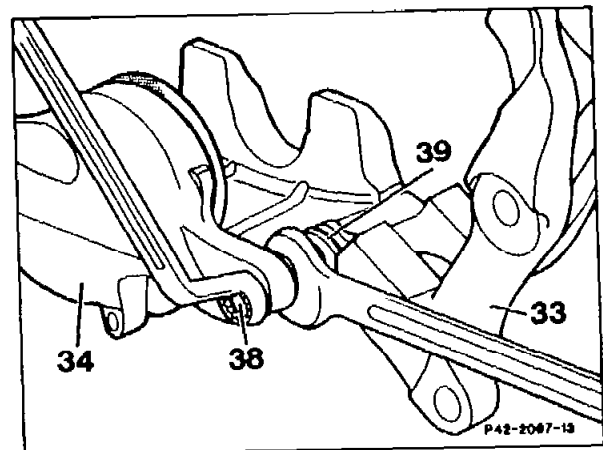
- 1 Separate cylinder housing (34) by loosening the two bolts (38) from brake carrier (33) while counterholding sliding pins (37). Remove cylinder housing.



- 33 Brake carrier
- 34 Cylinder housing
- 37 Sliding pin
- 38 Bolts

### Installation note

Use new self-locking bolts (38). Tightening torque 35 Nm.

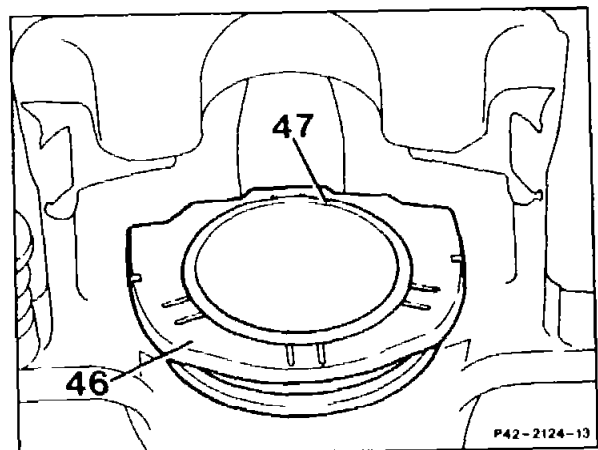


- 33 Brake carrier
- 34 Cylinder housing
- 38 Self-locking bolt
- 39 Dust boots

- 2 Remove heat shield (46).

### Installation note

Insert heat shield (46) ensuring that the retaining lugs engage in the upper groove of the piston (47).



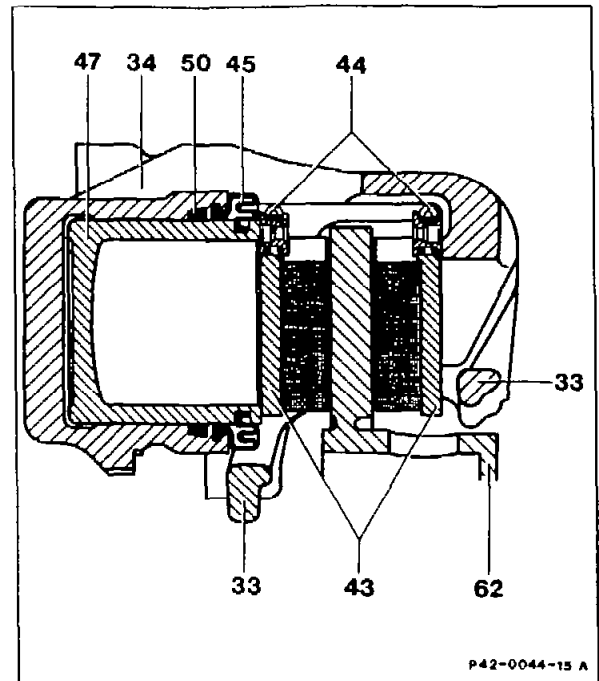
- 46 Heat shield
- 47 Piston

3 Force out piston (47) with compressed air at pressure of approx. 0.5 bar, if necessary remove piston (47) with piston turning tongs 000 589 50 37 00.

**Installation note**

If piston (47) is seized due to rust, use new cylinder housing (34).

- 33 Brake carrier
- 34 Cylinder housing
- 43 Brake pad
- 44 Spring clip
- 45 Dust cap
- 47 Piston
- 50 Piston seal
- 62 Brake disc



Remove deposits on piston with soft brass wire brush or rough cloth. Do not use polishing or emery cloth on piston to prevent damaging the chrome-plated surface. If damage to the chrome-plated surface is noticed, replace piston.

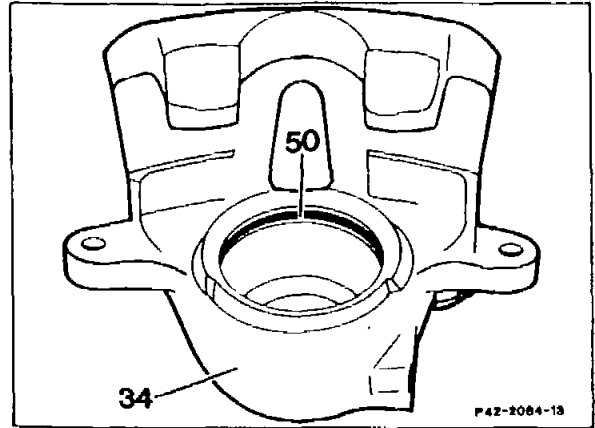
Check cylinder bore for wear. If bore is scored or rusted, replace complete cylinder housing. Minor rust spots in the bore can be removed with polishing cloth, more severe rust spots in front of the groove for the piston seal can be removed with fine emery paper (grain size 380 to 500).

4 Remove piston seal (50) from groove in cylinder bore in cylinder housing (34).

**Installation note**

Replace piston seal (50), coat with ATE brake cylinder paste and insert into groove.

- 34 Cylinder housing
- 50 Piston seal

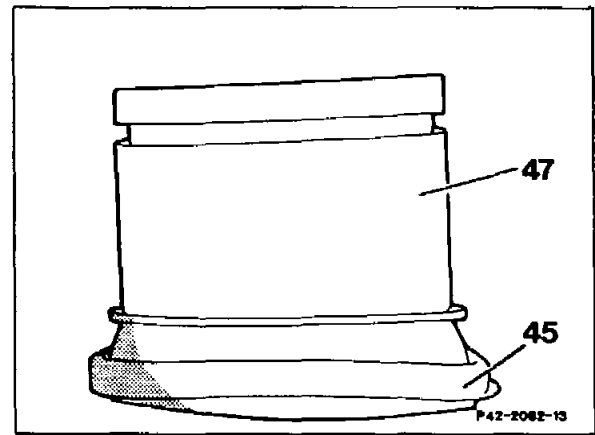


5 Remove dust cap (45).

**Installation note**

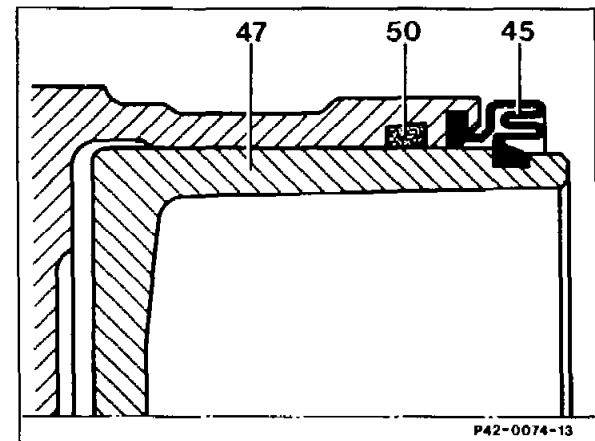
Pull dust cap (45) onto bottom section of piston (47) (piston crown).

- 45 Dust cap
- 47 Piston



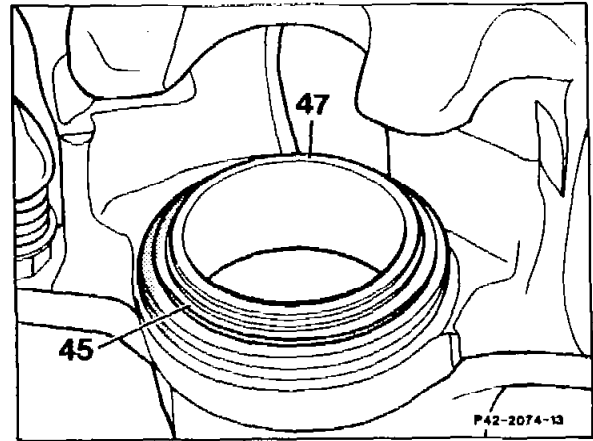
Position piston (47) in cylinder bore and press dust cap (45) into top cylinder groove. Do not damage the piston seal (50).

- 45 Dust cap
- 47 Piston
- 50 Piston seal



Completely press piston (47) into cylinder bore ensuring that the piston (47) is put in straight and that the dust cap (45) is properly positioned in the piston groove.

- 45 Dust cap
- 47 Piston

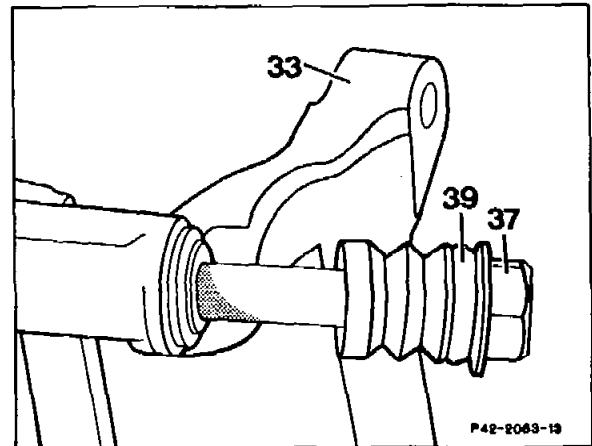


6 Remove dust boot (39) from brake carrier and pull out sliding pin (37). Remove dust boots (39) from sliding pins (37).

**Installation note**

Clean sliding pins (37) and sliding pin guides in brake carrier (33). Check sliding pins to ensure that they are not bent and that the play in the sliding pin guides is not too high; replace, if required. Coat sliding pins with special grease (included in repair kit).

Replace dust boots (39). Ensure that dust boots (39) are seated properly and that the sliding pins (37) can move easily.



- 33 Brake carrier
- 37 Sliding pin
- 39 Dust boots