



	Job No.
Adjusting throttle control	30 - 300
Removal and installation of accelerator pedal lever with firewall bearing	30 - 315
Removal and installation of Bowden cable	30 - 325
Removal and installation of accelerator pedal	30 - 330
Lubricating throttle control linkage and throttle control shafts	30 - 335

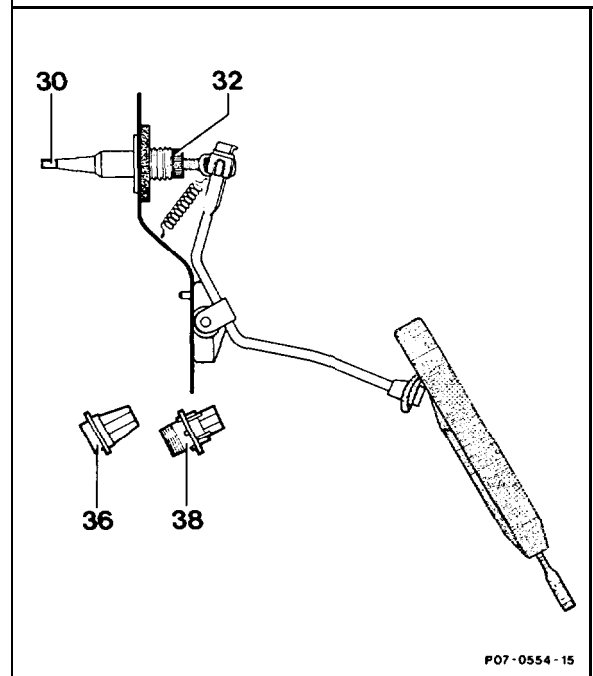
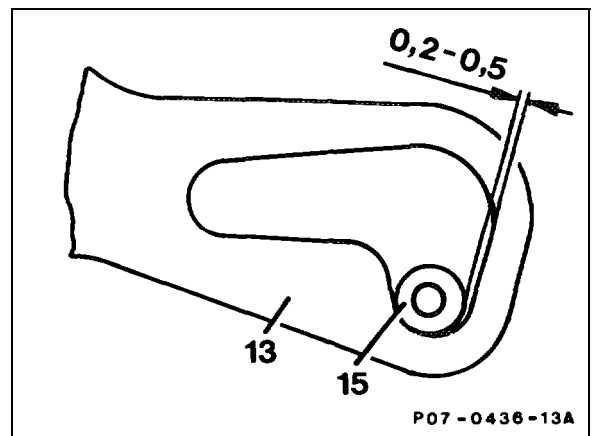
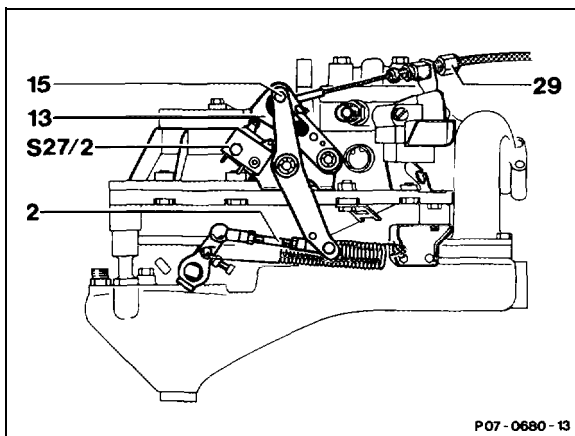
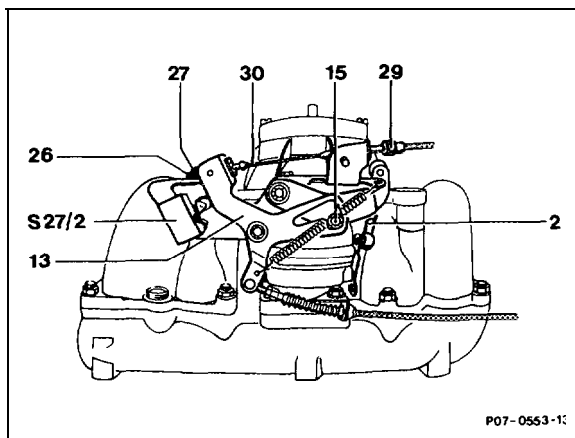
30-300 Adjusting throttle control

Preceding work:

- a) ● Vehicles with automatic transmission
- Vehicles with RHD version
 - Vehicles with manual transmission

Note

Vehicles with manual transmission and LHD version are fitted with a variable wide open throttle stop to improve the response and adjustment characteristics. See section "b" for setting and use.



Throttle control linkage and Bowden cable

check for ease of movement and bending.
Replace linkage or Bowden cable, if necessary.

Setting closed throttle position stop

- Bowden cable (30) detach at fulcrum lever (13).
- Roller (15) in fulcrum lever (13) must rest free of tension against end stop.
- Throttle body check. Throttle body must rest against idle speed stop.
- Set closed throttle position stop set the fulcrum lever (13) with the connecting rod (2) so that the roller (15) is resting free of tension against end stop. A play of max. 0.5 mm may exist between roller (15) and fulcrum lever track.

Caution!

The roller (15) must run centered in the fulcrum lever (13). Correct or replace parts if necessary.

Checking, setting wide open throttle stop

- Bowden cable (30) attach at fulcrum lever (13).
- Accelerator pedal with engine switched off, move slowly into wide open throttle position or, if automatic transmission fitted, down to stop at **kickdown** switch (38).
The throttle body lever must be touching wide open throttle stop when performing this step. Set wide open throttle stop at adjusting screw (29).

Adjusting Bowden cable

- Nipple (26) must be resting free of tension against compression spring (27) and the microswitch (S27/2) must be operated.
- Bowden cable adjust in **footwell** with adjusting nut (32).
Recheck idle speed and wide open throttle stop, adjust if necessary.

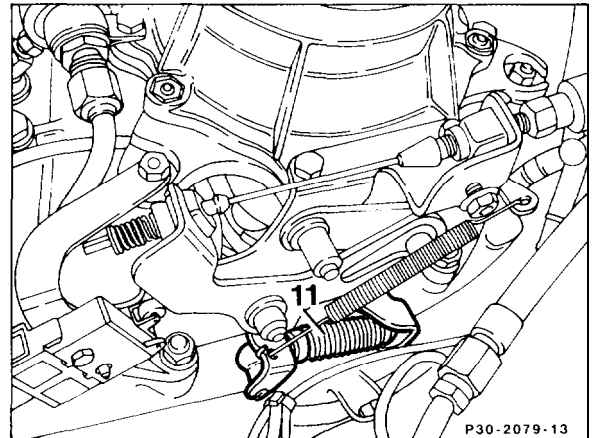
Note

With ignition switched on and lambda tester connected, an on/off ratio of 20 % must be indicated at wide open throttle (only CFI control modules with diagnostics via on/off ratio).

Adjusting control pressure cable (11) for automatic transmission

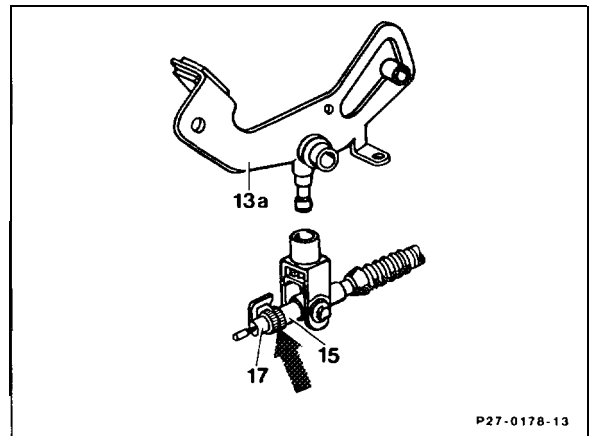
a) Control pressure cable with metal ball socket:

Detach Bowden cable and press back, then pull forward again until the stop is felt. Attach control pressure cable free of tension, adjust control pressure cable with ball socket, if necessary.



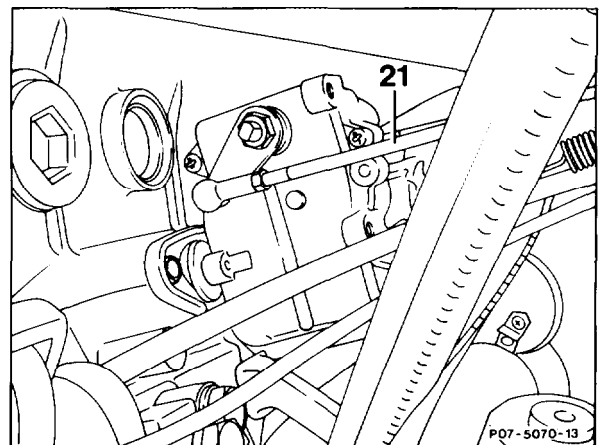
b) Control pressure cable with plastic attachment:

In closed throttle position, the adjusting pointer must be aligned with the annular groove (arrow) of the adjusting screw (015). Set adjusting screw, if necessary.



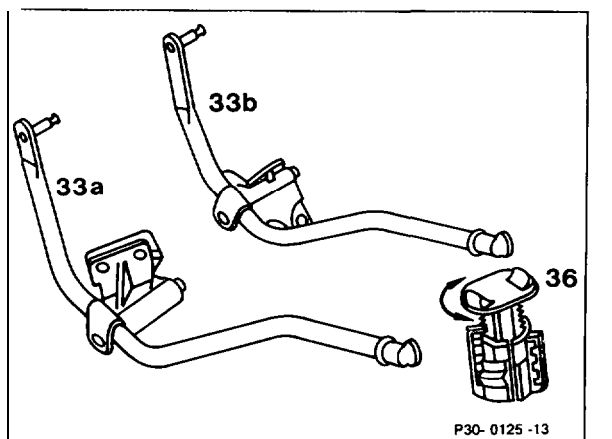
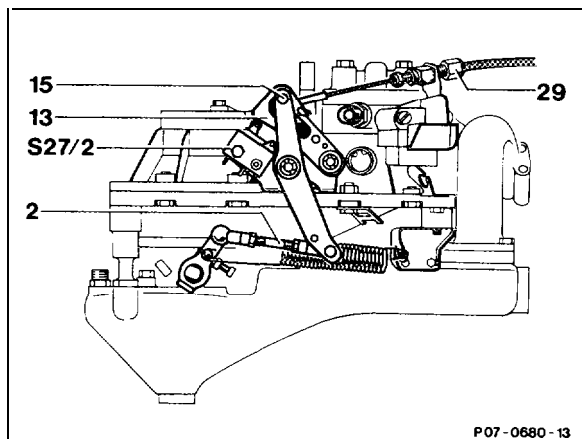
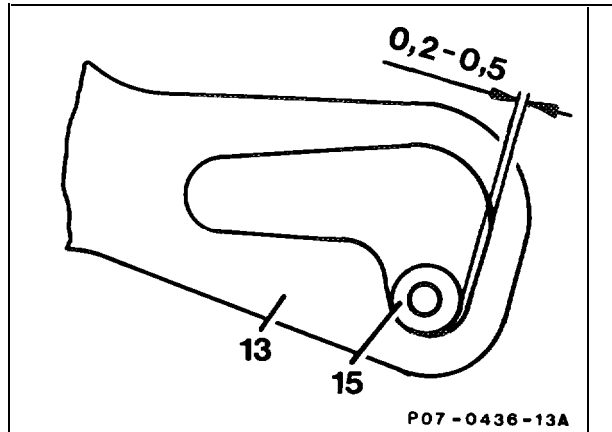
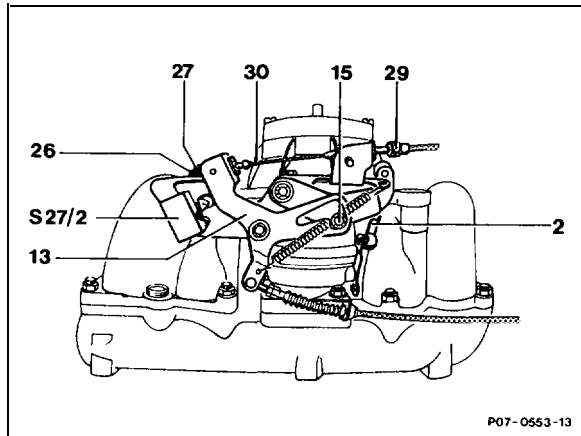
Vehicles with cruise control

Check whether the actuator is resting against closed throttle position stop of the cruise control. To do this, detach pushrod (21) and press lever of actuator clockwise against idle speed stop. When attaching pushrod (21), ensure that the lever of the actuator is raised approx. 1 mm off the closed throttle position stop. Adjust rod, if necessary.



b) ● Vehicles with left hand drive version and manual transmission
as of following Vehicle Ident End No.:

Model	Vehicle Ident End No.
201	A 473 115 F 576 183



- | | |
|--|--|
| Throttle control linkage and Bowden cable | check for ease of movement and bending.
Replace linkage or Bowden cable, if necessary. |
| Setting closed throttle po stop | |
| Bowden cable (30) | detach at fulcrum lever (13). |
| Roller (15) in fulcrum lever (13) | must be resting free of tension against end stop. |
| Throttle body | check. Throttle body must be resting against closed throttle position stop. |

Setting closed throttle position stop set the fulcrum lever (13) with the connecting rod (2) so that the roller (15) is resting free of tension against end stop. A play of max. 0.5 mm may exist between roller (15) and fulcrum lever track.



The roller (15) must run centered in the fulcrum lever (13). Correct or replace parts, if necessary.

Setting Bowden cable

Bowden cable (30) attach at fulcrum lever (13).

Nipple (26) must be resting free of tension against compression spring (27) and the microswitch (S27/2) must be operated.

Bowden cable adjust with adjusting nut (029).

Checking, setting wide open throttle stop . . . release adjustable wide open throttle stop (36) in **footwell** by turning to the left and withdraw stop pin part slightly. With engine off, slowly move accelerator pedal into wide open throttle position until the throttle body lever is resting against wide open throttle stop.
Accelerator pedal in closed throttle position.
Engage adjustable wide open throttle stop (36) in **footwell** by turning to the right into the adopted position.
Re-check idle speed and wide open throttle stop, adjust if necessary.

Note

With ignition switched on and lambda tester connected, an on/off ratio of 20 % must be indicated at wide open throttle.

Notes

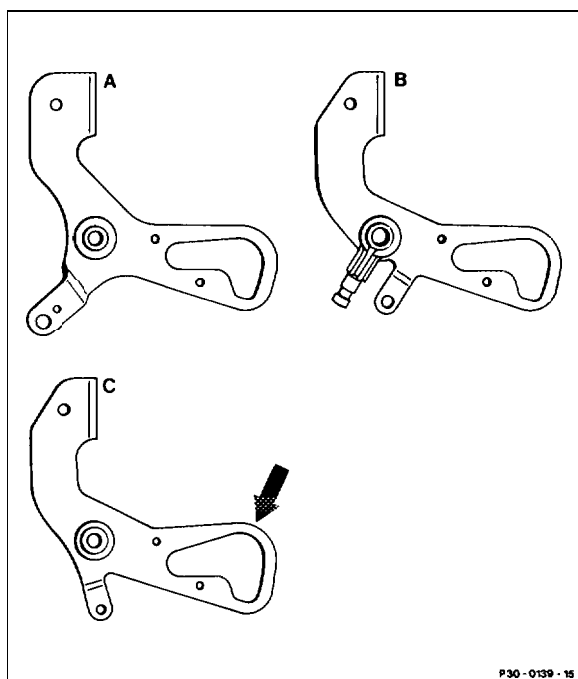
Fulcrum lever on vehicles with manual transmission

Engine 102.985

Version A was briefly replaced by version B (for automatic transmission).

Since January 1985 the fulcrum lever version C with modified fulcrum (arrow) has been installed (improved responsiveness of throttle control).

- A First version
- B Second version
- C Third version



Production breakpoint: January 1985

Model	Engine	Engine End No. manual transmission	Vehicle Ident End No.
201.024	102.985	001073	F 073767

Locking washers for throttle control

Locking washers for relay lever made of corrosion-resistant material.

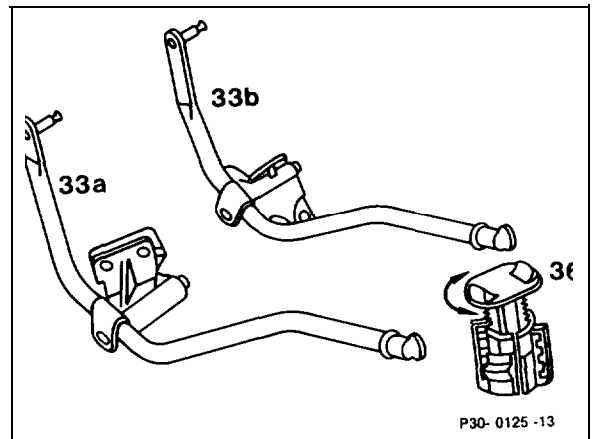
Production breakpoint: February 1988

Model	Engine	Engine End No. manual transmission	Engine End No. autom. transmission
201.028	102.985	022234	067638

Accelerator pedal lever, wide open throttle stop

Models 124 and 201 with LHD version and manual transmission:

improvement of response and adjustment facility by converting accelerator pedal lever (extending), mounting point and wide open throttle stop with increased pedal travel by 3° in direction of wide open throttle.

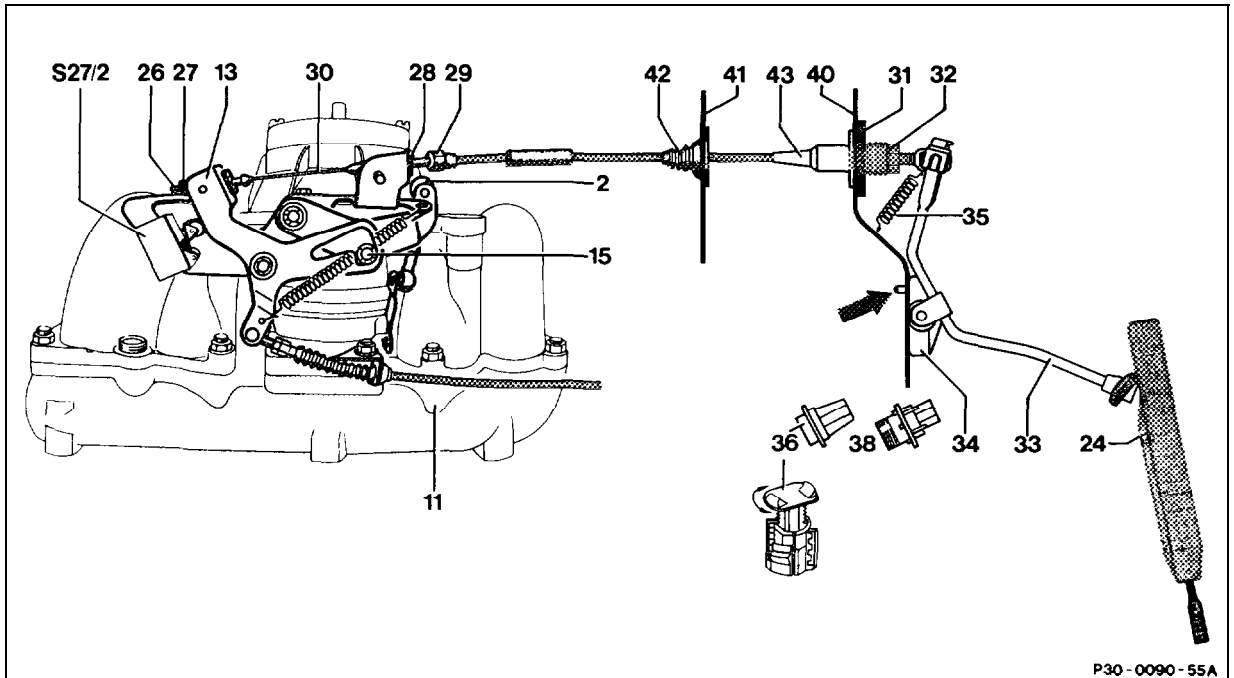


- 33b Accelerator pedal lever
Model 201
- 36 Wide open throttle stop

Production breakpoint: November 1988

Model	Vehicle Ident End No.
201	A 473 115 F 576 183

30-315 Removal and installation of accelerator pedal lever with firewall bearing



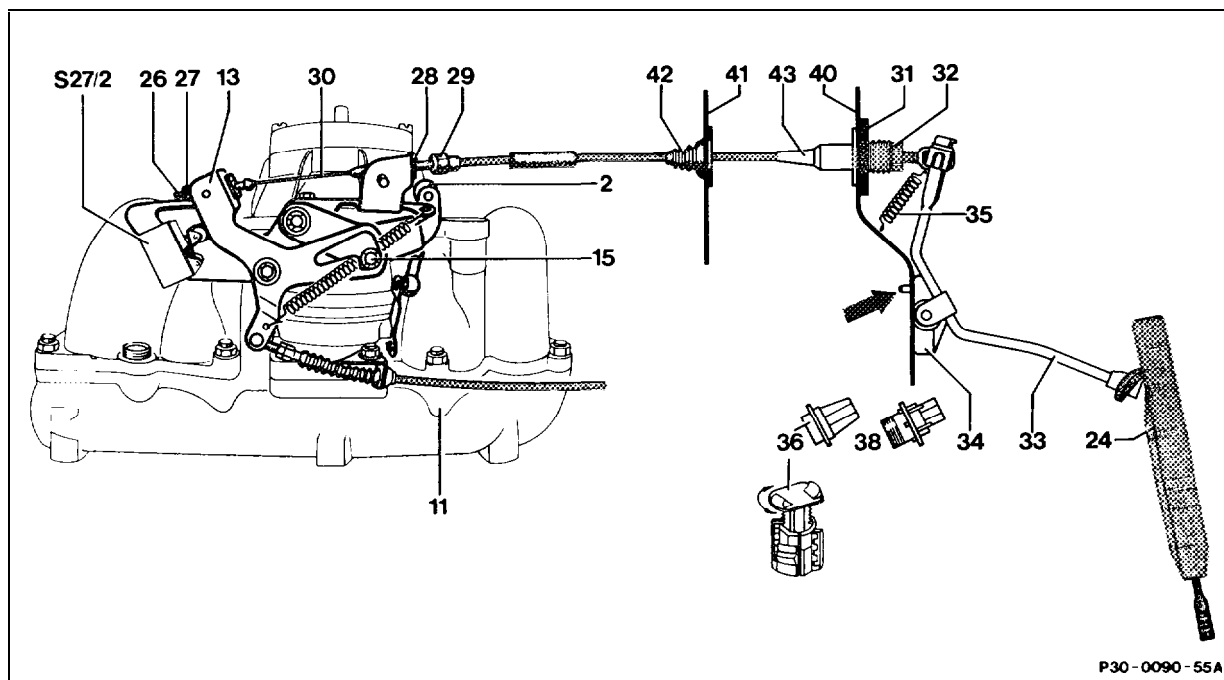
Accelerator pedal (24)	remove, install (30-330).
Cover	unscrew, screw on.
Bowden cable (30)	at accelerator pedal lever (33), detach, fit on. Model 201: pull off locking element, fit on.
Return spring (35)	remove, install.
Firewall bearing (34)	unscrew, screw on. Take off together with accelerator pedal lever (33), install.

Note

When installing, the lug on the **firewall** bearing must engage in the hole of the **firewall** (40) (arrow).

Accelerator pedal lever (33)	detach from firewall bearing (34), fit on. Pull off locking element, fit on to perform this step.
Throttle control	adjust (30-300).

30-325 Removal and installation of Bowden cable



Bowden cable (30)	remove, install by pressing plastic ball forward and compressing and pressing out guide piece. Remove Bowden cable by guiding it through the slot.
Plastic clips (28)	compress and take out Bowden cable.
Windshield wiper arm (Model 201)	take off. Unscrew both screws (on left and right) which hold the cover. Withdraw plastic pins and take out cover (pay attention to note). Not applicable as of Vehicle Ident End No. 001 185.
Vacuum lines	detach, refit.
Accelerator pedal (24)	remove, install (30-330).
Cover	detach, refit.
Locking element for Bowden cable (30)	remove in car interior.
Return spring (35)	detach, attach.

Bowden cable (30)

press to the outside. Do not press out rubber grommet (31). Take out **Bowden cable** complete from the engine compartment.

Note

Model 201, up to Vehicle Ident End No.

001 184: take out **Bowden cable** complete from the outside between **firewall** and component compartment wall.

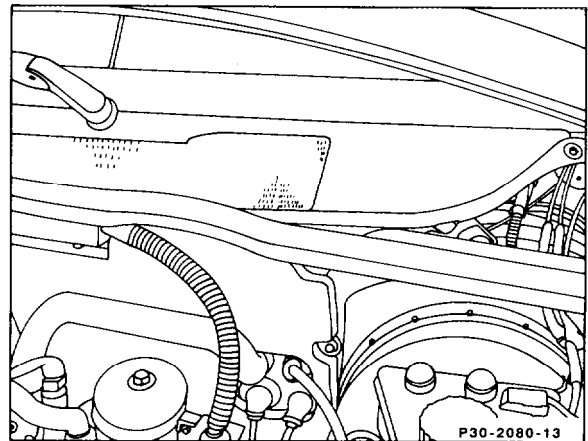
Throttle control

adjust (30-300).

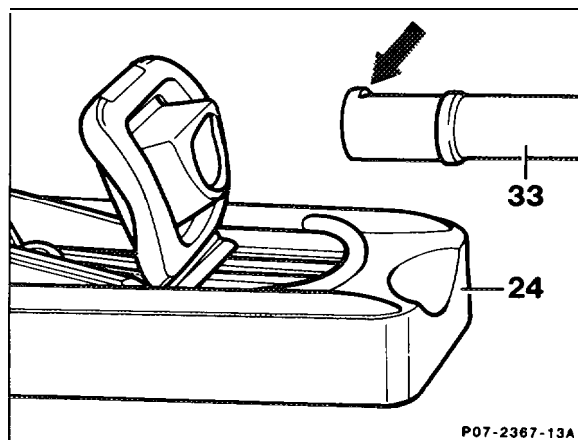
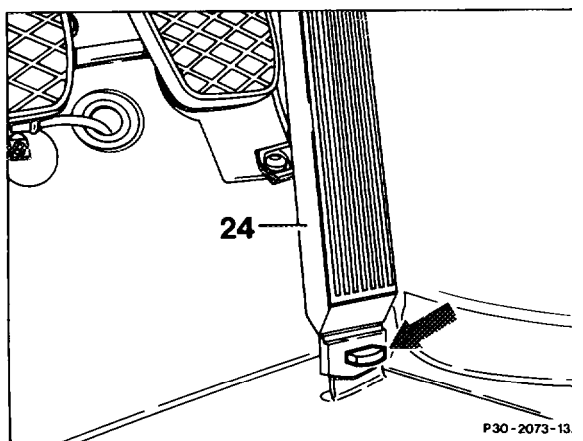
Note

Model 201

As of Vehicle Ident End No. 001 185 the diameter of the rubber grommet (042) in the component compartment wall (041) has been enlarged. For this reason, remove the component compartment wall on vehicles manufactured prior to this date when replacing the **Bowden cable** and enlarge the hole for the **Bowden cable** to 32 mm Ø (production breakpoint November 1982).



30-330 Removal and installation of accelerator pedal



Expanding clips (arrow)

remove, install.

Accelerator pedal (24)

To remove, compress expanding clips behind accelerator pedal (24) and withdraw.

When installing, ensure it engages properly.

remove by pushing accelerator pedal up and turning through 180°.

Pull off accelerator pedal down the way. The lug (arrow) on the accelerator pedal lever (33) must be aligned with the slot in the accelerator pedal. Installation in the reverse order.

Note

The connection from accelerator pedal lever to accelerator pedal is maintenance-free and does not need to be lubricated.

30-335 Lubricating throttle control linkage and throttle control shafts

Check ease of movement and wear of throttle control shafts, throttle control levers, relay levers, ball sockets, **Bowden** cable and throttle control linkage.

After each engine wash and preservation of the engine compartment, lubricate all bearing points, all throttle control levers and joints of the throttle control linkage (use anticorrosion grease Part No. 000 989 87 51 10).

The **Bowden** cable is maintenance-free and does not need to be lubricated.

Only the following hydraulic oils may be used on models in USA version:

BP-Aero-Hydraulik 1
Castrol DB Hydraulik Fluid
Esso Univers J-13
Mobil Aero HFA
Shell Aero Fluid 4

