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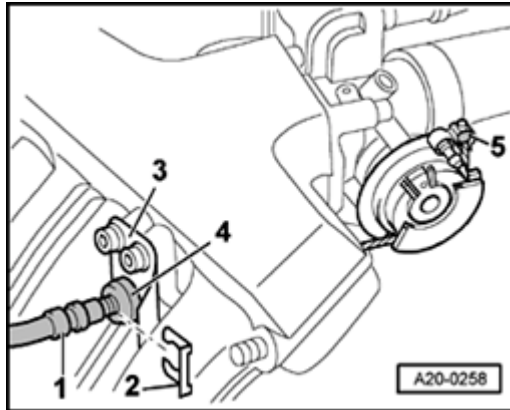
Mechanical throttle control, servicing

Vehicles with front-wheel drive and all-wheel drive, without electronic throttle control

Note:

- ◆ *The accelerator pedal cable bends easily. Handle it very carefully during installation.*
- ◆ *A single slight kink can lead to later breakage while the vehicle is being driven. Never install a kinked cable, instead replace it and immediately dispose of the kinked cable.*
- ◆ *During installation, ensure that the accelerator pedal cable fits between its brackets and cable mounting points without stretch, bending, kinking or stress.*

Accelerator pedal cable, adjusting (vehicles with 1.8 ltr. turbo engine)



Accelerator pedal cable -5- connected to accelerator pedal and routed over the throttle actuator control module cable quadrant.

- Remove clip -2- from notched section of outer cable sleeve -1-.
- Fully depress accelerator pedal to Wide Open Throttle position.

Note:

Either use a second technician or a mechanical device to depress the accelerator pedal.

Vehicles with manual transmission

- Move outer sleeve -1- in or out of grommet -4- (as necessary) until Wide Open Throttle position is just reached.
- Re-install clip -2- into the first completely exposed notch closest to the grommet.

Vehicles with automatic transmission

- Move outer sleeve -1- in or out of grommet -4- (as necessary) until Wide Open Throttle position is just reached and the kick-down switch clicks audibly.
- Re-install clip -2- into the first completely exposed notch closest to the grommet.

All vehicles

- Release accelerator pedal (remove mechanical device, if used).
- After adjusting, check the Closed and Wide open Throttle stops.

Vehicles with automatic transmission, checking adjustment

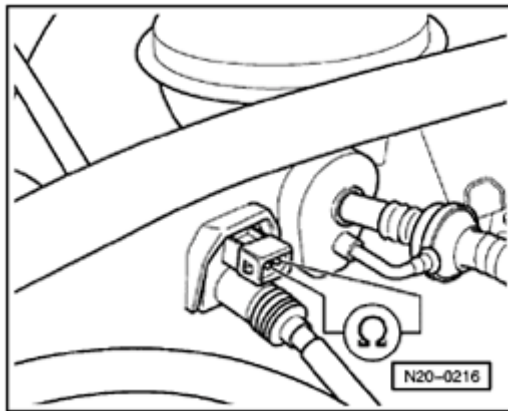
Test and auxiliary equipment required

◆ Fluke 83 Multimeter

◆ VW 1594 Adaptor kit

- Disconnect 2-pin harness connector from kick-down switch.

• In engine compartment on firewall.



- Connect multimeter between kick-down switch terminals using jumper wires from VW 1594 adaptor kit.

- Measure resistance across switch.

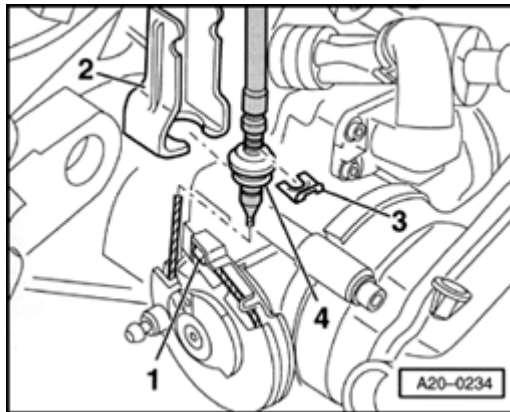
• Specified Value: $\infty \Omega$

- Slowly depress accelerator pedal until Wide Open Throttle is reached. If properly adjusted, following conditions will be met:

• Shortly after kick-down point, resistance must drop to 0Ω

• Accelerator pedal must almost be up to the full travel stop

Accelerator pedal cable, adjusting (vehicles with 2.8 ltr. engine)



Accelerator pedal cable -1- connected to accelerator pedal and routed over the Throttle actuator control module cable quadrant.

- Remove clip -3- from notched section of cable sleeve -4-.
- Fully depress accelerator pedal to Wide Open Throttle position.

Note:

Either use a second technician or a mechanical device to depress the accelerator pedal.

Vehicles with manual transmission

- Move notched outer sleeve in or out of grommet -4- (as necessary) until Wide Open Throttle position is just reached.
- Re-install clip -3- into the first completely exposed notch closest to the top of the grommet.

Vehicles with automatic transmission

- Move outer sleeve in or out of grommet -4- (as necessary) until Wide Open Throttle position is just reached and the kick-down switch clicks audibly.
- Re-install clip -3- into the first completely exposed notch closest to the top of the grommet.

All vehicles

- Release accelerator pedal (remove mechanical device, if used).
- After adjusting, check the Closed and Wide open Throttle stops.

Vehicles with automatic transmission, adjustment checking

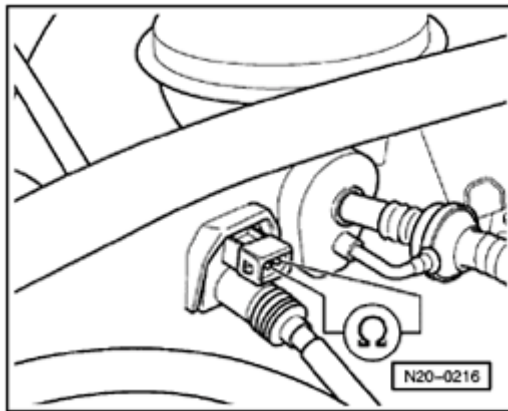
Test and auxiliary equipment required

◆ Fluke 83 Multimeter

◆ VW 1594 Adaptor kit

- Disconnect 2-pin harness connector from kick-down switch

• In engine compartment on firewall



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- Connect multimeter between kick-down switch terminals using jumper wires from VW 1594 adaptor kit.

- Measure resistance across switch.

• Specified Value: $\infty \Omega$

- Slowly depress accelerator pedal until Wide Open Throttle is reached. If properly adjusted, following conditions will be met:

• Shortly after kick-down point, resistance must drop to 0Ω

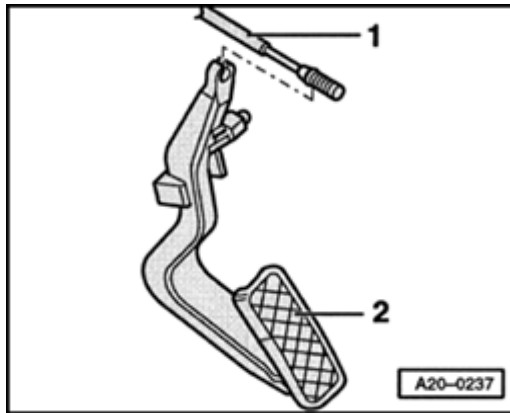
• Accelerator pedal must almost be up to the full travel stop

Accelerator pedal cable, removing and installing (vehicles with 1.8 ltr. turbo engine)

Removing

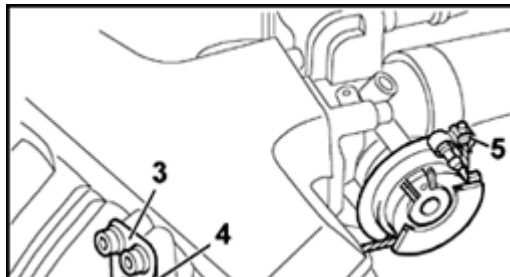
- Remove driver's side storage compartment.

⇒ [Repair Manual, Body Interior, Repair Group 70](#)



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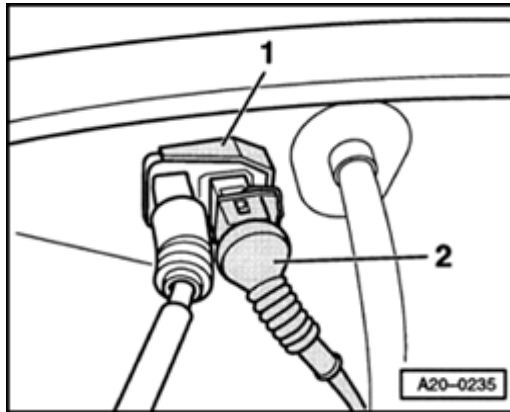
- Disconnect end of accelerator pedal cable -1- from top of accelerator pedal -2-.



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- Release accelerator pedal cable ferrule -5- from location in quadrant.
- Pull notched section of cable sleeve -1- out of grommet -4- in bracket -3-.

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Vehicles with automatic transmission



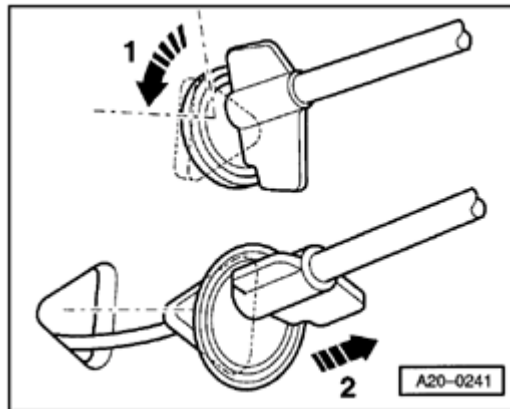
- Disconnect harness connector -2- from kick-down switch -1-.

All vehicles

- Remove retaining clip -1- on accelerator pedal cable bracket or kick-down switch, whichever is installed.

Note:

Vehicles with manual transmission: retaining clip is located behind the front wall of the plenum.



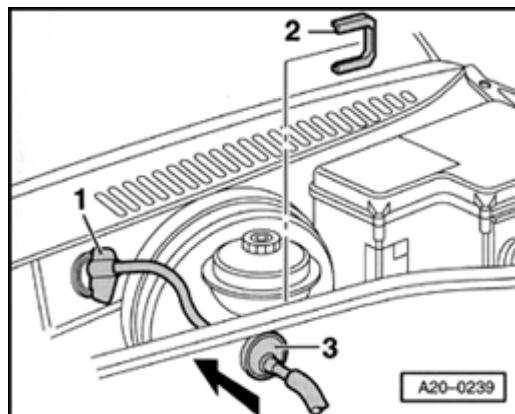
- Twist cable positioning tab approx. 90° in counter-clockwise direction - arrow 1- and pull positioner out through the fire wall and into the plenum -arrow 2-.
- Remove accelerator pedal cable.

Installing

Installation is performed in the reverse order of the removal procedure, during installation, note the following:

- See notes ⇒ [Page 20-186](#) .

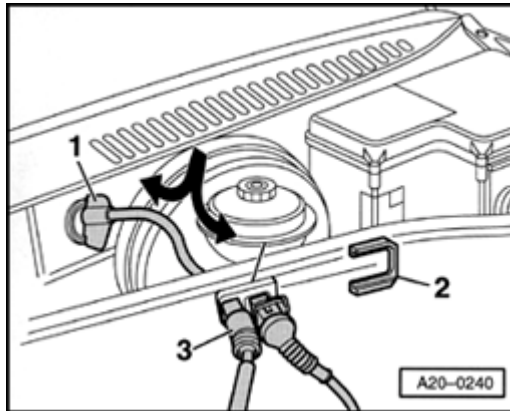
Vehicles with manual transmission



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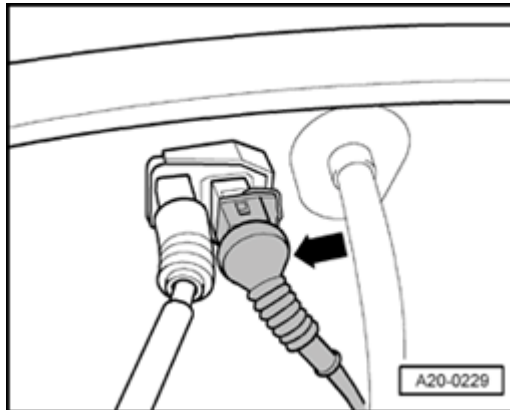
- Slide cable with cable bracket -3- and cable positioner -1- out of the engine compartment and through the front and rear plenum walls in - direction of the arrow-.
- Attach cable bracket with retaining clip -2- behind firewall, in the plenum.

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Vehicles with automatic transmission

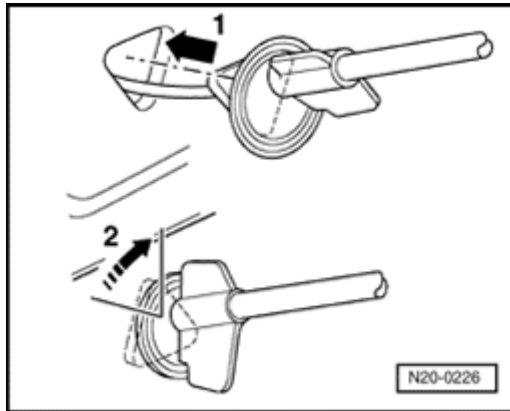
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- Slide cable with cable bracket -3- and cable mounting -1- out of the plenum toward the front, through the firewall to the engine and backward through the fire wall to the vehicle interior.
- Arrow points in installation direction.
- Attach cable bracket with retaining clip -2- in front of firewall in the plenum.



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- Connect kick-down-switch harness connector -arrow-.

All vehicles

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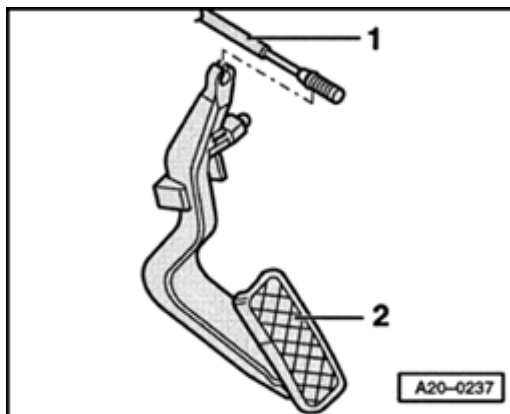
- Twist the cable positioner tab 90° in clock-wise direction -arrow 1 - and push into same shaped opening in fire wall and let positioner come to rest with the tab in a vertical position -arrow 2-.
- Adjust accelerator pedal cable ⇒ [Page 20-187](#) .

Accelerator pedal cable, removing and installing (vehicles with 2.8 ltr. engine)

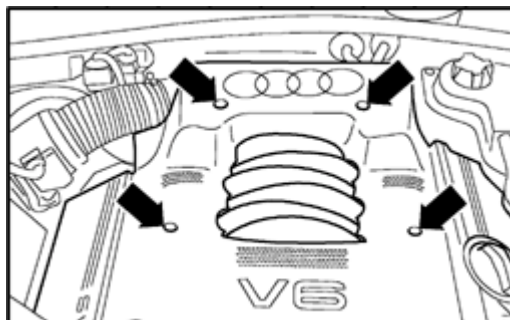
Removing

- Remove driver's side storage compartment

⇒ [Repair Manual, Body Interior, Repair Group 70](#)



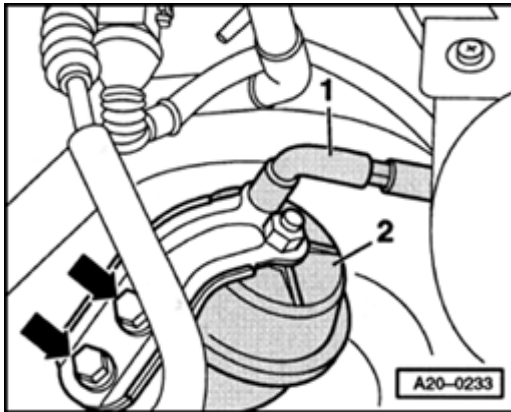
- Disconnect cable -1- from top of accelerator pedal -2- (dotted lines).



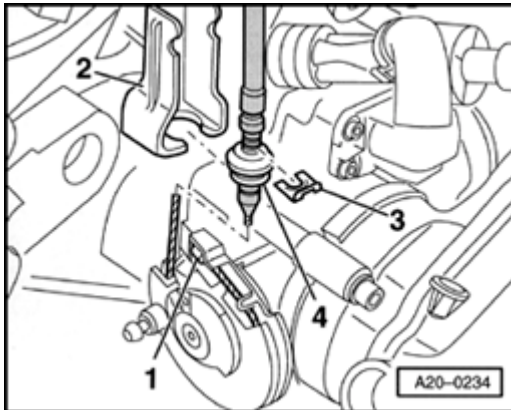
- Remove engine cover -arrows-.

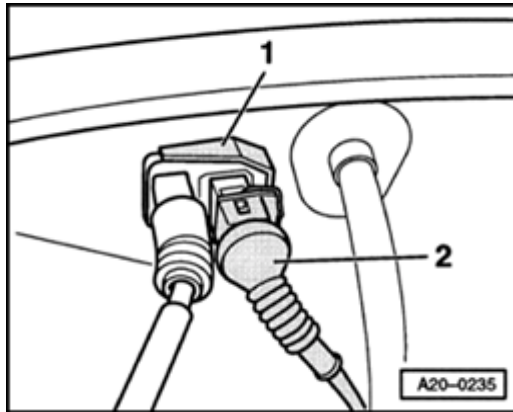
Vehicles with cruise control**A**

- Disconnect vacuum hose -1- from cruise control vacuum unit -2-.
- Loosen cruise control vacuum unit mounting bracket bolts -arrows-.
- Disconnect actuator rod from Throttle actuator control module.

**All vehicles****A**

- Remove clip -3- from notched section of outer accelerator pedal cable sleeve.
- Disengage cable ferrule -1- from its captured position in the accelerator pedal cable quadrant.
- Remove accelerator pedal cable -4- from mounting bracket -2- by sliding the grooved rubber grommet sideways out of mounting bracket -2-.





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Vehicles with automatic transmission

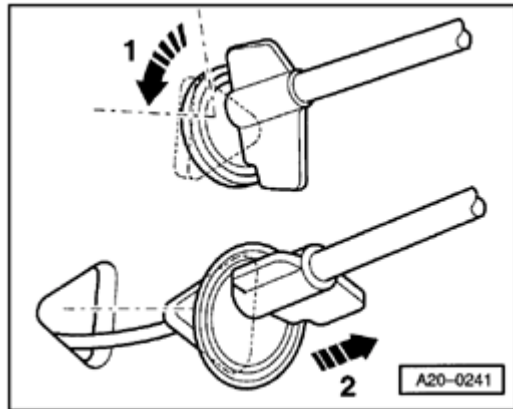
- Disconnect harness connector -2- from kick-down switch.

All vehicles

- Remove retaining clip -1- from the kick-down switch.

Note:

For vehicles with a manual transmission (no kick-down switch), the clip is located on the cable bracket behind the front plenum.



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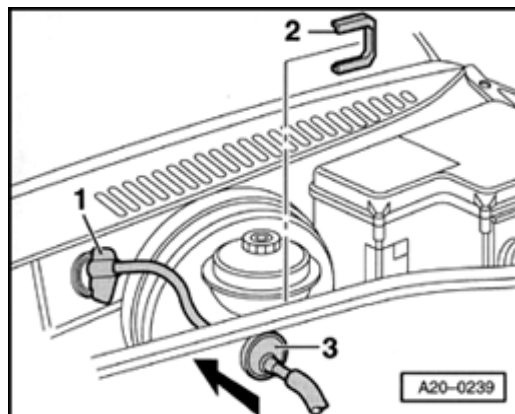
- Twist cable positioner approx. 90° in counter-clockwise direction - arrow 1- and pull out through the firewall side of plenum in direction of - arrow 2- toward the engine.
- Remove the accelerator pedal cable.

Installing

Installation is performed in the reverse order of the removal procedure. During installation, note the following:

- See notes ⇒ [Page 20-186](#) .

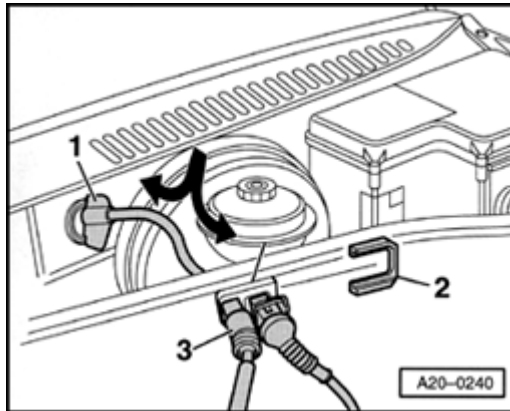
Vehicles with manual transmission



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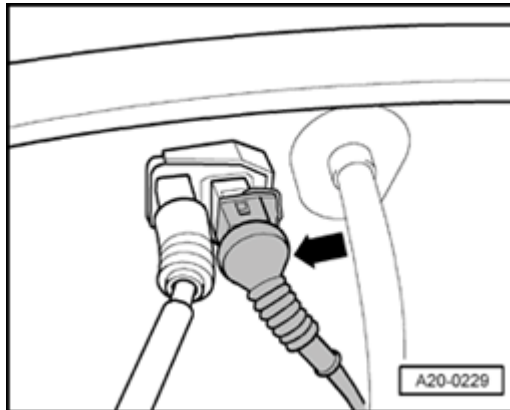
- Slide accelerator pedal cable with bracket -3- and cable positioner -1- through the back and front plenum walls in direction of -arrow- as shown in illustration.
- Attach bracket -3- to the front wall of the plenum by installing retaining clip -2- onto back side of bracket -3- (in plenum)

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Vehicles with automatic transmission

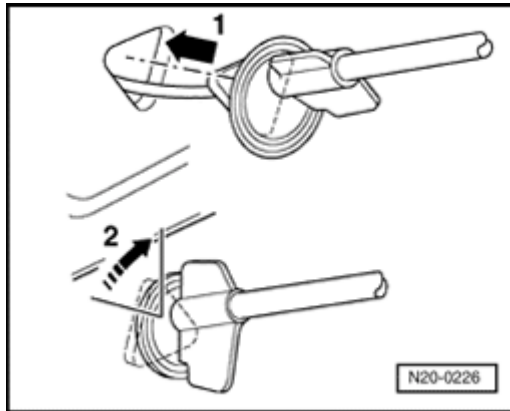
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- Slide accelerator pedal cable -3- (with kick-down switch bracket) and cable positioner -1- through the back and front plenum walls as shown in illustration.
 - -arrow- shows installed position
- Secure kick-down switch bracket with retaining clip -2-.
 - On engine compartment side of plenum



A

- Connect kick-down-switch harness connector -arrow-.



All vehicles

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- Slide cable end through back wall of plenum -arrow 1-, secure by twisting cable positioner tab 90° in clockwise direction -arrow 2- until triangular shaped piece on cable passes through the same shaped opening in the back wall of the plenum.
- Ensure that when cable comes to rest position, the positioner tab has returned to a vertical position; thus capturing and correctly positioning the cable assembly in the firewall opening.
- Adjust the accelerator pedal cable ⇒ [Page 20-190](#) .