

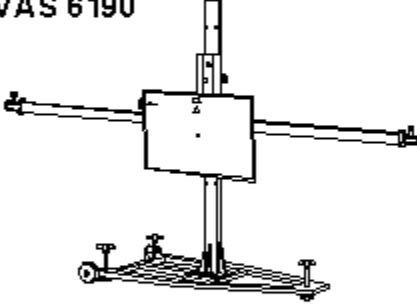


**Adjustment procedure using ACC setting device -VAS 6190-**

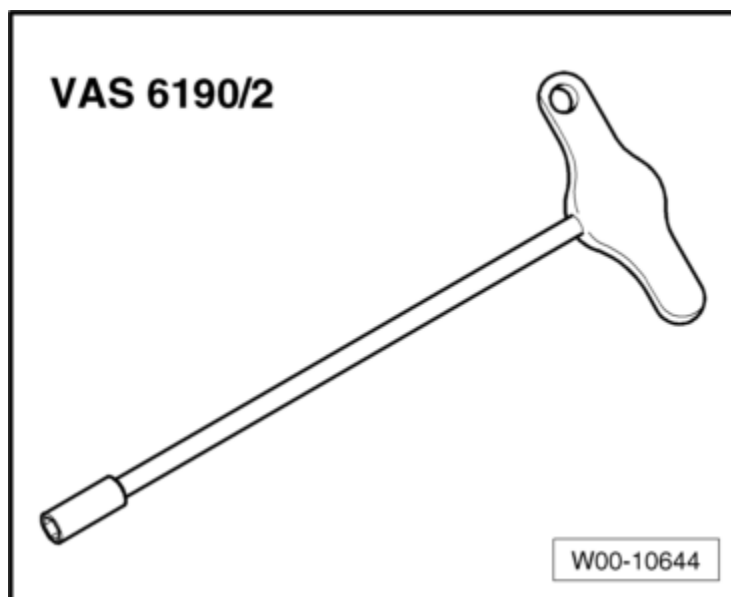
<b>VAS 5051 A</b> 	<b>VAS 5051 /5A</b> 
<b>VAS 6190</b> 	
	<div data-bbox="1312 1423 1446 1451" style="border: 1px solid black; padding: 2px;">G44-10003</div>

**Special tools and workshop equipment required**

- ◆ Vehicle diagnostic, testing and information system -VAS 5051 A-
- ◆ Diagnosis cable -VAS 5051/5A-
- ◆ ACC setting device -VAS 6190-
- ◆ Wheel alignment computer
- ◆ Adjusting tool -VAS 6190/2-

**Note**

- ◆ *If necessary, the ACC setting device -VAS 6190- must be suitably prepared before commencing the adjustment procedure → Chapter.*
- ◆ *Before driving the vehicle onto the alignment platform, make sure there is sufficient space between the vehicle and the ACC setting device -VAS 6190-. The distance between the ACC setting device -VAS 6190- and the vehicle must be 120 cm ± 5 cm.*
- ◆ *If the available space is not adequate, drive the vehicle backwards onto the alignment platform as required.*
- Before commencing adjustment procedure, interrogate event memory and rectify any faults.



The adjustment procedure described here is based on ACC setting device -VAS 6190-. However, you can also use ADC adjustment device -VAS 6041- and ACC reflective mirror -VAS 6041/1-.

**Note**

The steps listed under “Adjustment procedure (when wheel alignment has not been previously checked)” are only required if no wheel alignment check has already been performed.

**Adjustment procedure (when wheel alignment has not been previously checked)**

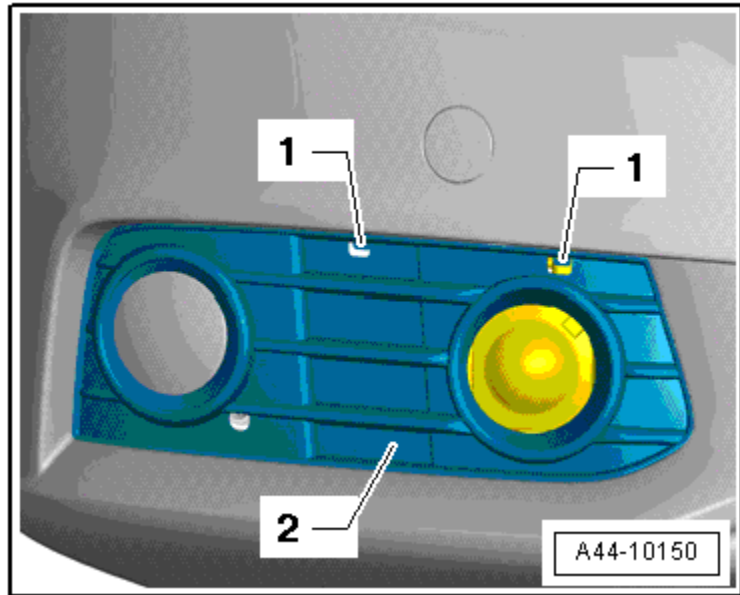
- Connect battery charger → [Rep. gr.27](#).
- Press button to select ACC adjustment procedure in wheel alignment computer.
- Attach quick-release clamps to rear wheels.
- Attach wheel alignment sensors to rear wheels.
- Carry out wheel rim runout compensation for rear wheels.

**Note**

*Do not take hold of the cross bar when moving the -VAS 6190-.*

**Adjustment procedure (irrespective of previous wheel alignment check)**

- Release retainers -1- and detach air intake grille -2-.
- Remove any dirt from sensor lens.

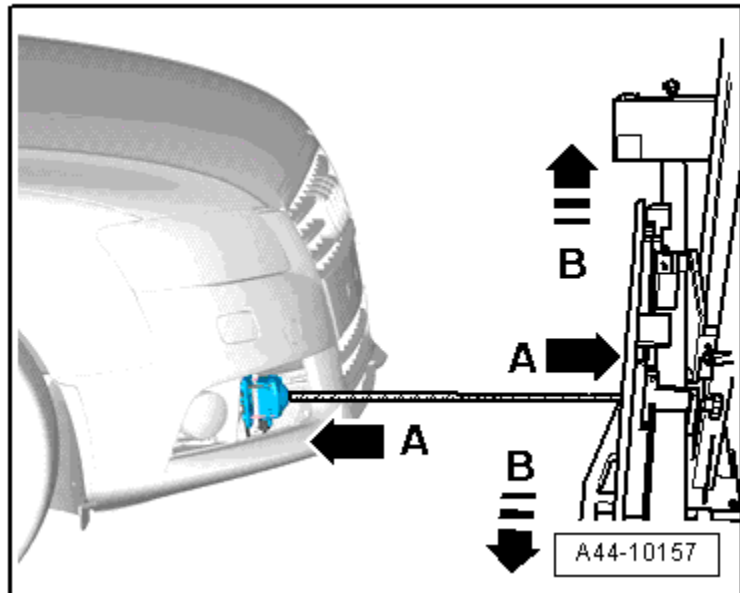


- Position ACC setting device -VAS 6190- so that distance -A- between sensor lens and surface of reflector is  $120 \text{ cm} \pm 5 \text{ cm}$ .

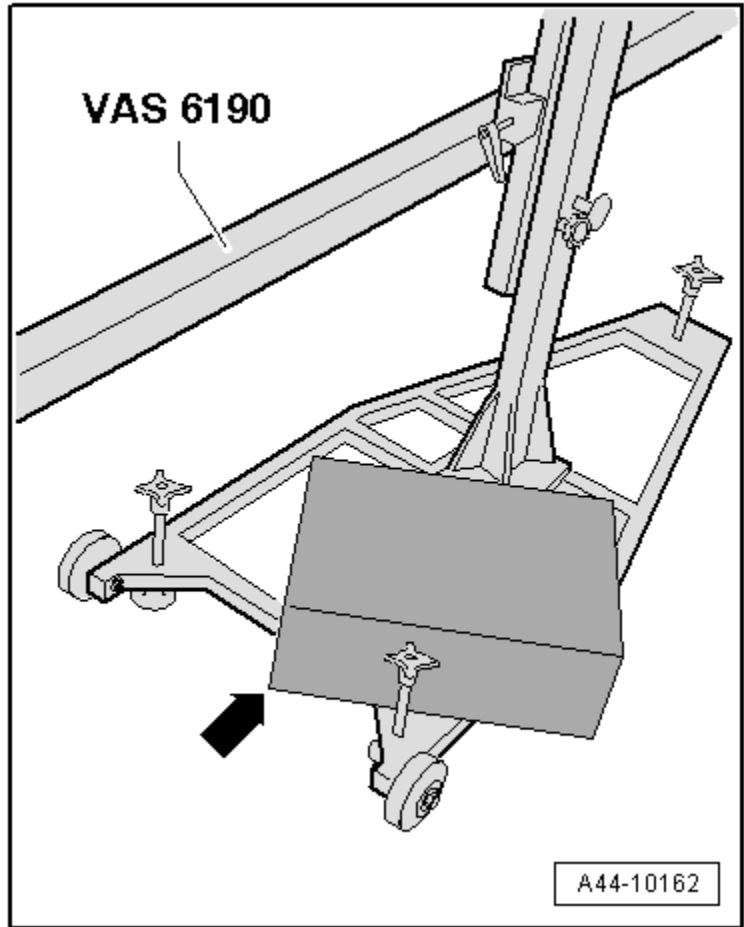


#### WARNING

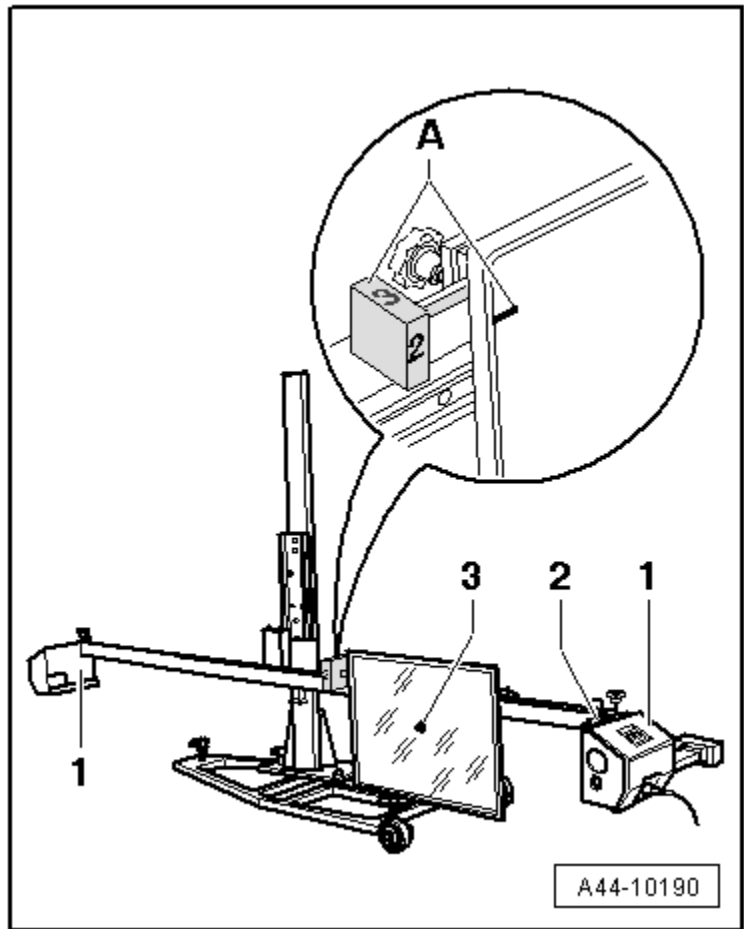
- *Before mounting the wheel alignment sensors and adjusting the mirror on the cross bar, place a tool box or similar object weighing around 5 to 7 kg on the -VAS 6190-.*
- *If the -VAS 6190- is not weighted down, the -VAS 6190- may tip over when the mirror is being adjusted and/or when attaching the wheel alignment sensors.*



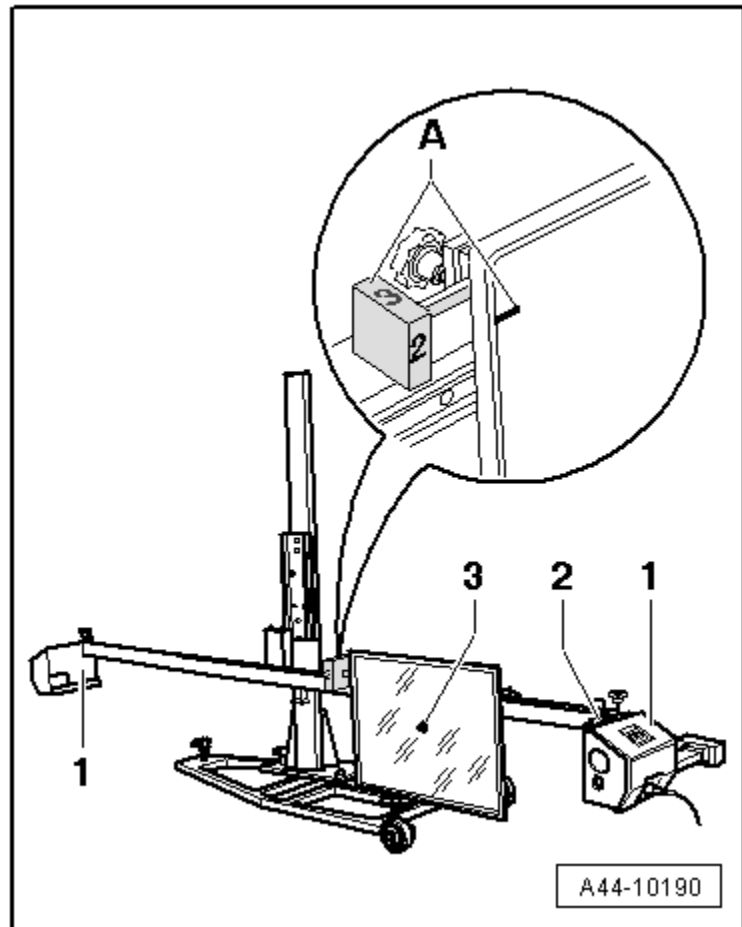
- Weight down the -VAS 6190- as shown in illustration -arrow-.



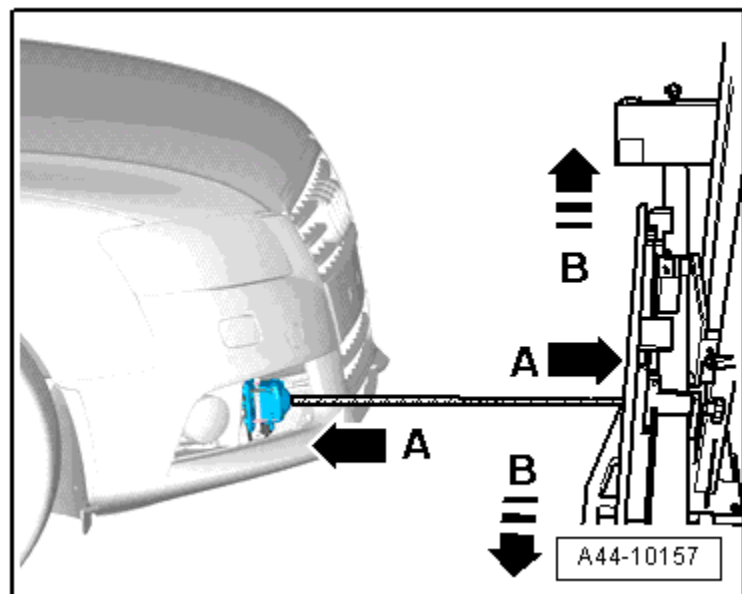
- Attach front wheel alignment sensors -1- to -VAS 6190-.



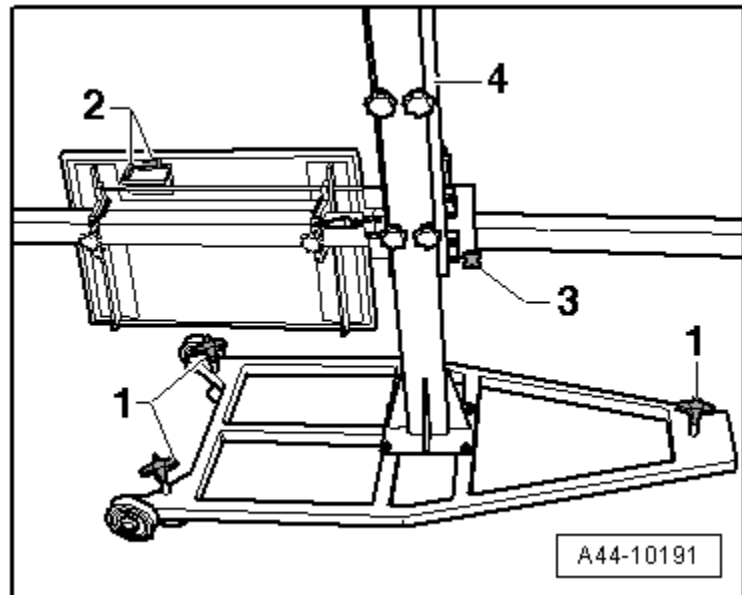
- In area -A-, align number -2- on rotary knob with mark on mirror (number 2 on rotary knob must face vehicle).



- By moving it sideways -arrows B-, set -VAS 6190- so that laser beam coincides with centre of sensor lens in the horizontal plane.



- Use adjusting screws -1- to bring spirit levels -2- on -VAS 6190- into horizontal position.
- Set vertical slide -4- of -VAS 6190- so that laser beam coincides with centre of sensor lens in vertical plane.
- Set identical individual front axle toe values with fine adjustment screw -3-.
- Difference between individual toe values must be less than 6' or equal.

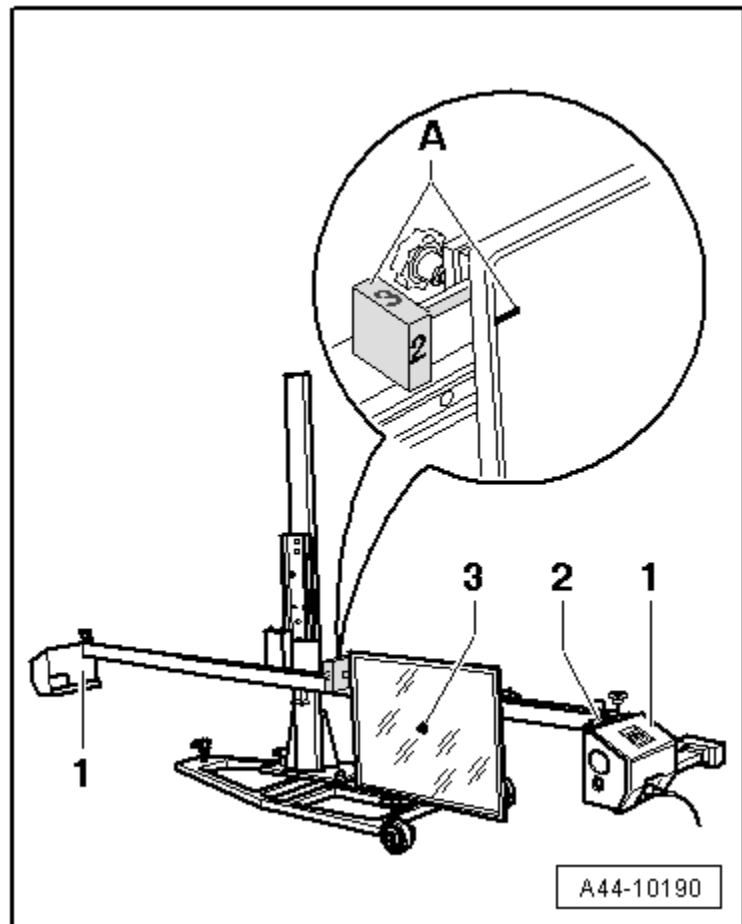


- Balance out spirit levels -2- on wheel alignment sensors -1-.
- Then check that laser beam -3- from -VAS 6190- coincides with sensor lens.



#### Note

- ♦ -VAS 6190- is correctly aligned if the laser beam still coincides with the sensor lens at this stage, after the identical toe values have been set.
- ♦ The alignment of -VAS 6190- must be repeated if the laser beam does not coincide with the sensor lens.
- Connect vehicle diagnostic, testing and information system -VAS 5051 B-.



- Plug in connector of diagnosis cable -VAS 5051/5A- at diagnostic connection.
- Switch on vehicle diagnostic, testing and information system.

The vehicle diagnostic, testing and information system is ready for operation when the selector buttons for the operating modes appear on the screen.

- Switch on ignition.
- Touch the **Guided Fault Finding** button on the display screen.
- Select the following:
  - ◆ Make
  - ◆ Model
  - ◆ Model year
  - ◆ Version
  - ◆ Engine code letters
- Confirm the entered information.

Wait until the vehicle diagnostic, testing and information system has interrogated all the control units in the vehicle.

- Press the **Go to** button and select the option "Function/component selection".
- Select the relevant program in "Guided Functions".

Then follow adjustment instructions on screen.

- For fine adjustment in "Guided Fault Finding", use screws -2- (bottom) and -1- (top); turn adjusting tool -VAS 6190/2- in direction of arrow -A or B-.



#### WARNING

**ACC adjustment is not completed until -VAS 5051/B- displays "Final control element diagnosis ended".**

- Switch off ignition.
- Detach connector of diagnosis cable -VAS 5051/5A- at diagnostic connection.
- Disconnect battery charger →Rep. gr.27.
- Install air intake grille →Rep. gr.63.

