

2009 KIA BB 17

1 OF 2

⚠ WARNING

- Only use the cable provided.
- Always remove the connector cable before starting the engine.
- The cables and the protective switch must never come into contact with water.

⚠ WARNING (continued)

- Always connect the cable to a grounded 230V power outlet that is protected from water.
- Check the cable for damage each time it is used. If a cable is damaged, replace it with an identical one. ◀

Towing

Front towing eye

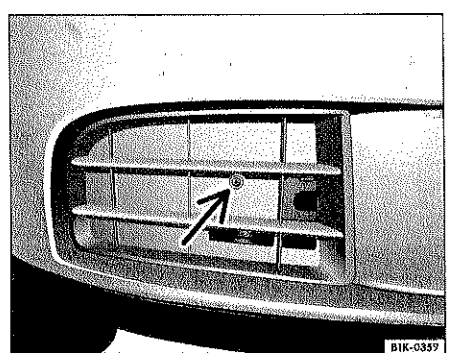


Fig. 50 In the right front bumper: removing the cover.

The towing eye and tools are stored in the tool kit in the luggage compartment ⇒ page 92, fig. 27. Use a lug wrench or other suitable tool to install the towing eye into its mounting bracket. Make sure it you install it all the way and that it is secure.

Removing the cover

- Remove the screwdriver ⇒ page 92, fig. 27 ① from the tool kit in the luggage compartment.
- Remove the Philips head screw ⇒ fig. 50 (arrow).
- Reach into the opening with your hand and pull the cover forward to remove it.

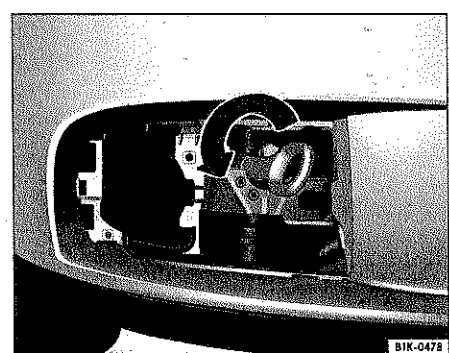


Fig. 51 The front right section of the vehicle: screwing in the towing eye.

- Put the cover and the screw in a safe place in the vehicle.

Installing the towing eye

- Remove the towing eye ⇒ page 92, fig. 27 ③ and the lug wrench ⇒ page 92, fig. 27 ⑥ from the tool kit in the luggage compartment.
- Screw the towing eye into the threaded hole as far as it will go, in the direction shown ⇒ fig. 51 (arrow). Use the lug wrench or other suitable tool to tighten the towing eye ⇒ ①.
- When towing operations are complete, unscrew the towing eye clockwise and install the cover. ▶

- If necessary, clean the towing eye, the lug wrench and the screwdriver and place them back in the tool kit.

The towing eye must always be carried in the vehicle.

Follow instructions and tips for towing ⇒ page 116, "General notes".

Rear towing eye

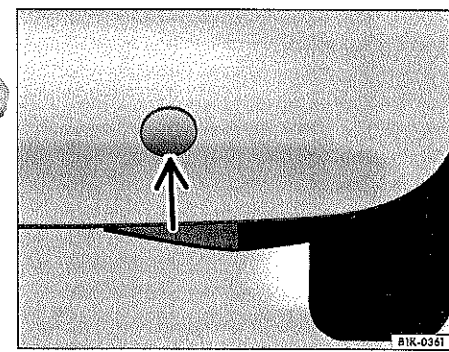


Fig. 52 Rear bumper, right side: removing the cover.

The threaded hole for the towing eye is in the rear bumper on the right side. Use a lug wrench or other suitable tool to install the towing eye into its mounting bracket. Make sure it you install it all the way and that it is secure.

Removing the cover

- Remove the screwdriver ① from the tool kit in the luggage compartment ⇒ page 92, fig. 27.
- Insert the flat blade of the screwdriver into the slot between the cover and the bumper ⇒ fig. 52 (arrow).
- Pry the cover off carefully to the rear. It may be necessary to use additional force. Leave the cover hanging on the vehicle.

ⓘ Note

- Make sure the towing eye is installed all the way into the mounting bracket and that it is secure. If not, it could be pulled out while your vehicle is being towed.
- Do not damage the vehicle paint when removing and installing the cover. ◀

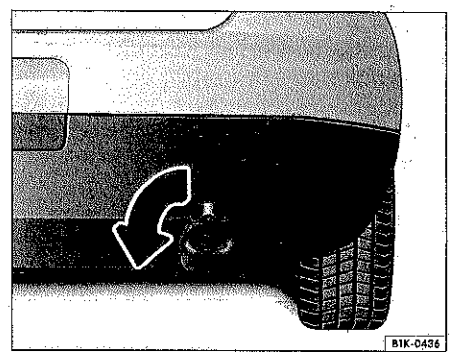


Fig. 53 Rear bumper, right side: mounting the towing eye.

Installing the towing eye

- Remove the towing eye ⇒ page 92, fig. 27 ③ and the lug wrench ⑥ from the tool kit in the luggage compartment.
- Screw the towing eye as far as it will go into the threaded hole. Use the grip of the screwdriver to tighten the towing eye ⇒ fig. 53.
- Screw the towing eye into the threaded hole as far as it will go, in the direction shown ⇒ fig. 53 (arrow). Use the lug wrench or other suitable tool to tighten the towing eye ⇒ ⓘ.
- When towing operations are complete, unscrew the towing eye clockwise and install the cover.
- Return the towing eye, the lug wrench and the screwdriver to the tool kit. ▶



Vehicles equipped with a trailer hitch cannot use a tow-bar to tow another vehicle. Instead, use a tow-rope.

Follow directions for towing ⇒ page 116, "General notes".

General notes

Whenever possible, tow with the front (drive) wheels off ground.

Always observe the following instructions if you must use a tow-rope:

Notes for the driver of the towing vehicle

- Switch on the emergency flashers.
- Drive very slowly at first to take up the slack in the tow-rope. Then press the accelerator slowly and increase speed gradually.
- Remember that the brake booster and power steering are not working in the vehicle being towed. Brake earlier and more gently than you would normally ⇒
- Do not drive faster than 30 mph (50 km/h) or tow for more than 30 miles (50 km).

Notes for the driver of the vehicle being towed

- Switch on the emergency flashers.
- Shift the transmission into neutral N.
- Make sure that the tow-rope stays tight at all times ⇒ .
- Remember that the brake booster and power steering are not working on the vehicle being towed. The steering wheel will be harder to turn. You will need to press harder on the brake pedal when you need to slow down or stop.

Note

- Make sure the towing eye is installed all the way into the mounting bracket and that it is secure. If not, it could be pulled out while your vehicle is being towed.
- Do not damage the vehicle paint when removing and installing the cover. ◀

Tow-rope or tow-bar

It is easier and safer to tow a vehicle with a tow-bar. Use a tow-rope only if you do not have a tow-bar. Vehicles equipped with a trailer hitch cannot use a tow-bar to tow another vehicle.

A tow-rope should be able to stretch slightly to reduce the jerking on both vehicles when the towing vehicle speeds up or the towed vehicle has to slow down or stop. Use a tow-rope made of synthetic fiber or similar elastic material.

Attach the tow-rope or the tow-bar only to the towing eyes provided with the vehicle.

Driving style

Towing requires some experience, especially when using a tow-rope. Both drivers must be familiar with the techniques required for towing. Inexperienced drivers should not try to tow another vehicle.

Do not pull too hard with the towing vehicle, and avoid jerking the tow-rope. When towing on an unpaved road, there is always a risk of overloading and damaging the attachment points.

On the vehicle being towed, the ignition must be switched on to keep the steering wheel from locking. Also make sure that the turn signals, horn, windshield wipers and windshield washers work properly.

Remember that the power steering and the brake booster do not work when the engine is not running. The steering wheel will be harder to turn. You will need to press harder on the brake pedal when you need to slow down or stop.

Towing a vehicle with automatic transmission

- Shift the vehicle into neutral N.
- Do not drive faster than 30 mph (50 km/h). ▶



- Do not tow your vehicle farther than 30 miles (50 km).
- If they are to be towed by a breakdown truck, the front wheels of all vehicles must be raised off the ground ⇒ .

Tow starting

For technical reasons, it is not possible to tow-start or push-start your vehicle.

Use jumper cables instead ⇒ page 110.

WARNING

Towing a vehicle changes the way your vehicle handles and brakes. To help reduce the risk of a crash and serious personal injury, note the following:

- The driver of the vehicle that is being towed:
 - Will have to press the brake pedal considerably harder than normal because the brake booster is not active. Always be alert not to rear-end the towing vehicle.
 - Will have to use considerably more force to turn the steering wheel, because the power steering is not working.
- The driver of the vehicle that is towing:

When can your vehicle not be towed?

Your vehicle may not be towed under the following conditions:

- If the transmission malfunctions and there is no transmission fluid, or if the transmission fluid has leaked out of the transmission.
- If you have to tow farther than 30 miles (50 km).
- If the front and rear wheels cannot turn.

In these cases the vehicle must be towed with front (drive) wheels off the ground transported using a flatbed truck or trailer.

WARNING

If you still tow your vehicle under these conditions, you could cause an accident or cause

WARNING (continued)

- Must accelerate gradually and gently avoid jerking movements.
- Must brake earlier and more gently than you would normally.

Note

- Unburned fuel can get into the catalytic converters and damage them during towing ⇒ page 11, "Catalytic converter".
- Always read and heed the notes on towing vehicles in the owner's manual of the other vehicle.

Tips

- For technical reasons, it is not possible to tow start a vehicle with an automatic transmission.
- If transmission has lost transmission fluid, the vehicle must be towed with the front (drive) wheels off the ground.
- If a vehicle with an automatic transmission has to be towed more than 30 miles (50 km), it must be professionally towed with the drive wheels raised off the ground.
- Inexperienced drivers must not tow another vehicle. ◀

WARNING (continued)

damage to the vehicle. This will not be covered by your New Vehicle Limited Warranty.

Note

- If the vehicle has to be towed more than 30 miles (50 km), it must be moved with the drive wheels off the ground.
- If there is little or no oil in the transmission because of damage to your vehicle, it must be moved with drive wheels off the ground.
- Do not tow your vehicle behind a recreational vehicle or trailer for more than 30 miles (50 km). The automatic transmission can be severely damaged, even if the selector lever is in the Neutral N position. ◀