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Towing Precautions

Towing Capacity

· The towing capacity depends on various factors such as vehicle specifications, loads, road conditions, and trailer specifications. For driving safety, do not speed or overload the vehicle.

· The total towing weight must not exceed the limits below:

Item	Parameter (kg)	Note
Maximum towing capacity (braked)	1500	Maximum towing capacity when the trailer is braked
Maximum towing capacity (unbraked)	750	Maximum towing capacity when the trailer is unbraked
Maximum vertical load	150	Maximum vertical load on ball joint

1. The maximum towing capacity equals the total trailer weight, which includes all cargo and additional equipment.

2. Maximum vertical load refers to the downward pressure exerted by the weight of the trailer on the trailer hitch when the vehicle and the trailer are stationary.

WARNING

· The driver must be qualified for towing the total vehicle mass (including the vehicle and trailer).

· The vertical load on the device connecting the towing vehicle and the trailer must be at least 4% of the total trailer weight or 25 kg (whichever is heavier), without exceeding the maximum allowable vertical load on the ball joint of the trailer. Unbalanced loads on the trailer wheels or heavier loads at the rear may cause the trailer to sway, resulting in loss of vehicle control.

· Make sure no one rides in the trailer during towing.

· The maximum gradeability allowed is 12% during towing.

WARNING

· Always ensure that the cargo is secured in the trailer and cannot move. Moving cargo may cause loss of vehicle control, resulting in serious injury or death.

· To avoid potential accidents and serious injury, never exceed the maximum towing capacity or the maximum vertical load.

· To avoid loss of vehicle stability or danger, never attempt to tow a trailer when:

  · Using a faulty tire.

  · Using a temporarily repaired tire.

  · Using a spare tire.

WARNING

- Please observe applicable local laws and regulations regarding towing. Never modify the vehicle.
- When the trailer is equipped with an electromagnetic brake, confirm with the trailer manufacturer for the installation method of the electromagnetic brake synchronizer.
- BYD does not assume any responsibility for damage or injuries resulting from towing a trailer due to failure to comply with trailer towing guidelines. Damage caused by towing a trailer is not covered by warranty.

CAUTION

- When the vehicle is loaded with equipment, passengers, or cargo, the allowable vertical load is reduced, which decreases the towing capacity. In towing mode, the gross vehicle weight rating (GVWR, printed on the vehicle nameplate) must not be exceeded.

Tire Pressure During Towing

- To tow a trailer, adjust the tire pressure to accommodate additional loads. Keep front tires inflated to 290 kPa and rear tires to 310 kPa.
- For towing, the technically permissible maximum mass on the rear axle may be exceeded by up to 15% and the technically permissible laden mass of the vehicle may be exceeded by up to 100 kg. In such cases, the vehicle speed must not exceed 100 km/h, and the rear tire pressure must be at least 20 kPa above the pressure recommended for normal driving conditions.

Side Mirrors and Holders for Towing

- The field of view of the side mirrors during towing should comply with the laws and regulations. If the original side mirrors does not meet the using conditions, install appropriate towing mirrors. The towing mirrors can be attached to the surface of the side mirrors or clamped with a holder on the mirror frame. For detailed installation and usage instructions, refer to manuals of the towing mirrors.

WARNING

- Do not tow a trailer in the break-in period.
- Before towing, be sure to:
  - Inflate tires to the specified cold tire inflation pressure.
  - Adjust the interior rearview mirror and side mirrors to provide clear rear views without significant blind spots.
  - Keep the towing vehicle and the trailer horizontal when the trailer hitch is used. If the connection device tilts after connection, confirm that the vertical load of the trailer is within the allowable range of the towing vehicle.
  - Check that trailer lights and turn signals operate normally.
  - Check that the trailer brake works normally.
  - Check that all trailer hitch components, accessories, and electrical connectors are in

WARNING

good condition and properly connected. If any problems occur, do not tow the trailer.

- Check that wheel chocks are available.
- Check that the trailer loads are evenly distributed.
- Place heavy objects in the trailer as near the axle as possible to prevent them from swaying and thus interfering vehicle traveling.
- Make sure the trailer cable does not contact or drag on the ground and has enough slack for turning.

- Store the trailer hitch properly when it is not used.
- Starting to drive:
  - Start the vehicle smoothly and avoid sudden acceleration or emergency braking, or the vehicle may be out of control due to slipping, especially on a slippery road.
  - Crosswinds or rough roads can cause vehicle sway, leading to difficulties in controlling the vehicle. In any situation, whenever you notice any slight sway of the vehicle, hold the steering wheel firmly with both hands and slow down gradually. Never attempt to eliminate sway by increasing the speed.
  - An unloaded towing vehicle combined with a loaded trailer will cause improper load distribution. If this is unavoidable, drive slowly.
- Braking:

WARNING

  - Sudden braking may cause slipping, bottom scratches, or lose of control.
  - Be sure to at least double the normal following distance because the vehicle braking distance increases during towing.
- Overtaking:
  - Towing a trailer requires a longer distance to overtake.
- Reversing:
  - Be careful to operate and reverse at low speed because reversing while towing is difficult.
- Turning:
  - When making a turn, signal in advance, avoid bumps or sudden turns whenever possible, and keep the vehicle steady.
  - While turning, ensure a larger radius than usual to prevent the trailer from colliding with curbs, road signs, trees, or other obstacles.
- Parking on a slope:
  - Avoid parking on a slope. If this is absolutely necessary, the gradient must not be greater than 12% and be sure to chock the wheels:
    1. While one person presses and holds the brake pedal, a second person places wheel chocks under the wheels on the downhill side.
    2. When chocks are in place, release the brake pedal and ensure the chocks can bear the weight of the vehicle

WARNING

and the trailer (with the automatic vehicle hold, or AVH, disabled).

3. Shift into Park and ensure that the electronic parking brake (EPB) has been activated.

· If parking on a slope is necessary, always ensure that all trailer wheels are securely chocked. Failure to do so can result in serious vehicle damage, personal injury, or death.

CAUTION

· Towing a trailer can negatively impact the driving economy, durability, and battery consumption.

· When a trailer is coupled, it is normal for the trailer's LED taillights to flash slightly.

General Towing Troubleshooting

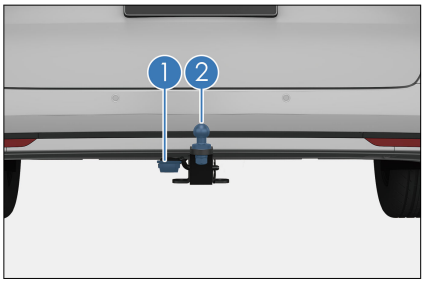
Fault	Possible Cause	Solution
Failure to activate the towing mode	Vehicle speed is not 0	Engage EPB, and activate the towing mode again when the vehicle is stopped.
	Cable disconnected or poor cable connection	Unplug the cable and reconnect it.
Trailer light fault	Poor cable connection	Unplug the cable and reconnect it.
	Blown fuse	Contact a BYD authorized dealer or service provider.
Trailer indicator turning red	Accidental disconnection of trailer cable during driving	Pull over as soon as possible and check whether the cable is properly connected; if not, reconnect it. If the cable is damaged, repair it as soon as possible.

Towbar Instructions

Equipment

① Electrical connection plug

② Trailer hitch

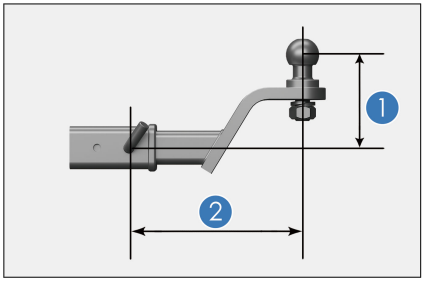


Recommended trailer hitch ball dimensions

- The vehicle does not come with a trailer hitch ball. You need to purchase a hitch ball that meets the recommended dimensions (see below). Follow both the hitch ball manufacturer's instructions and this manual for installation. For any inquiries, contact a BYD authorized dealer or service provider.

① Vertical distance between the ball and the receiver opening: 105–190 mm

② Horizontal distance between the ball to the receiver opening: 200–270 mm



WARNING

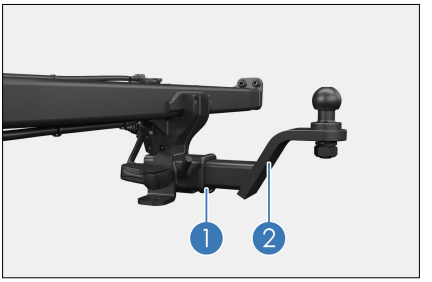
- Never leave the trailer hitch or the ball loose in the vehicle. In the event of a collision or sudden braking, they can become a projectile potentially causing serious injury or death.

REMINDER

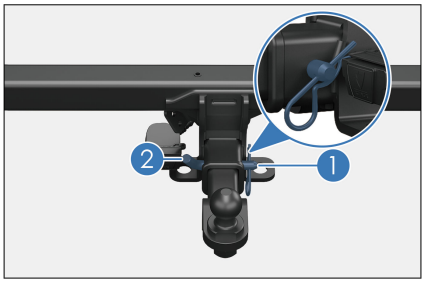
- Remove the trailer hitch when not in use and store it in a dry place to prevent dust and corrosion.

Installing the Trailer Hitch

1. Insert the trailer hitch ② into the square receiver ① until the hole on the trailer hitch and the receiver are aligned.



2. As shown in the illustration, insert the pin ② from the left side into the aligned holes, and then insert the pin lock ① into the pin.



3. Check that the hitch is fully inserted into the square receiver. Try pulling down on the hitch to confirm that the hitch does come loose.

WARNING

- Use a trailer hitch that matches the vehicle.
- The hitch is for towing trailers only. Do not use it to get unstuck or tow trapped vehicles as this may cause vehicle damage and even personal injuries.

Removing the Trailer Hitch

1. Remove the pin lock.
2. Pull out the trailer hitch and store it properly in a safe location.

REMINDER

- If the hitch does not lock into the housing, it may fall out when being pulled down.
- To maintain the hitch, regularly grease the surface with non-resinous grease.

Electrical Connections

- All trailers are legally required to be equipped with taillights, brake lights, side indicators and turn signals. To provide power for trailer lighting, a built-in 12-pin electrical connector is provided for the hitch.



- The standard for the power intake port is AS 4177.5: 2004. See the table below for the pin functions:

Pin Number	Function	Color
1	Left turn signal	Yellow
2	Reverse light	Pink
3	Ground	Black
4	Right turn signal	Green
5	Reserved for future connection	Brown
6	Brake lights	Red

Pin Number	Function	Color
7	Left and right position lights	Brown
8	Ignition power supply	/
9	Battery/Auxiliary power supply	/
10	Ground	Black
11	Rear fog lights	Blue
12	Reserved for future connection	/

WARNING

- Use only the electrical connection device provided by BYD. Do not directly splice or connect the trailer's electrical circuit by other methods. It may damage the electrical system and cause faults.

CAUTION

- Ensure that all electrical connections and trailer lights operate normally before and during towing.
- Do not point high-pressure water directly at the electrical connection devices as this can result in water ingress and device damage.

Towing Mode

Towing Mode Instructions

- Preparation before connecting
  - Take out the trailer hitch and insert it into the reserved interface at the rear of the vehicle.
  - Shift into Reverse and enable the towing assist guide on the around view monitor screen.
  - Reverse the vehicle with the aid of the towing assist guide cursor in the reversing image, and make the ball joint of the trailer hitch close to the mechanical connecting device of the vehicle to be towed. Park the vehicle and then get off to connect.
- Entering the towing mode
  - When the vehicle is in Park, switch on the hazard warning lights and connect the trailer cable. The vehicle automatically enters the towing mode and the instrument cluster displays a text message and the trailer status indicator lights up.
- Exiting the towing mode
  - When the vehicle is in Park, switch on the hazard warning lights and disconnect the trailer cable. The vehicle automatically exits the towing mode and the instrument cluster displays a text message and the trailer status indicator turns off.
- Indicator detection
  - Automatic detection: the indicator detection automatically starts 15 seconds after the vehicle enters the towing mode.
  - Manual detection: on the infotainment touchscreen, navigate to → **Drive** → **Towing** and enable automatic indicator detection and the detection starts after 15 seconds.

CAUTION

- Before towing, make sure that the trailer lights are functioning properly. If a fault is detected, stop using the trailer mode immediately and have the system inspected.

- The following driver assistance functions are disabled in towing mode. Please drive with caution.
  - Adaptive cruise control (ACC)
  - Intelligent cruise control (ICC)
  - Intelligent speed limit control (ISLC)
  - Front cross traffic braking (FCTB)
  - Automatic emergency braking (AEB)
  - Rear collision warning (RCW)
  - Rear cross traffic alert (RCTA)
  - Rear cross traffic braking (RCTB)
  - Blind spot detection (BSD)
  - Door open warning (DOW)
  - Emergency lane keeping assist (ELKA)
  - Lane departure warning (LDW)
  - Lane departure prevention (LDP)
  - Maneuver emergency brake (MEB)

WARNING

- Never connect or disconnect the cables when the vehicle is not in Park, or hazards may occur.
- It is recommended to connect or disconnect the cables when the

WARNING

vehicle is powered off to prevent accidental electric shock.

CAUTION

- The maximum speed is limited in towing mode to ensure safety.
- In towing mode, unlocking the trunk lid will only release the lock; the trunk will not open automatically.
- In towing mode, the driving mode is Comfort by default and cannot be changed.

Towing Mode Indicator

- The towing mode indicator is displayed on the instrument cluster.

Vehicle Status	Indicator Status	Illustration
Normal	Solid blue	
Abnormal	Solid red	

- The indicator is off when the trailer cable is not connected.

Influence of Trailer Towing on Mileage

- Trailer towing increases vehicle weight and drag, thus decreasing the available driving range. Before towing, select the load weight on the infotainment touchscreen (→ **Drive** → **Towing**). The vehicle will adjust its power strategy and range display based on the selected weight:
  - Light load (0–100 kg)
  - Medium load (100–750 kg)
  - Heavy load (750–1,500 kg)

CAUTION

- The towed weight must never exceed the vehicle's maximum permitted towing capacity.
- If the load weight selected does not match the actual towed weight, the displayed range will deviate from the actual driving range, potentially resulting in an unexpected power loss.

How to Solve Trailer Sway

- When trailer sway is detected, the electronic stability control system (ESC) applies braking accordingly to reduce the sway. The ESC indicator flashes on the instrument cluster. When the vehicle brakes automatically for the sway, the indicator will keep flashing even if you step on the brake pedal until the vehicle becomes stable.