

## TOWING WEIGHTS

See **210, WEIGHTS**, for details of the Gross Vehicle Weight (GVW), Gross Train Weight (GTW), axle weights and maximum payload.

Maximum permissible towing and tow ball weights - lb (kg)	
Unbraked trailer weight	1654 (750)
Tow ball tongue weight for unbraked trailer	331 (150)
Trailer weight with overrun brakes	7716 (3500)
Tow ball tongue weight for trailer with overrun brakes <sup>1</sup>	550 (250)
Tow ball tongue mounted accessories weight (e.g. cycle rack)	176 (80)

**Note:** <sup>1</sup> For every pound above 331 lb added to the tow ball tongue weight, the same weight **MUST** be removed from the vehicle payload. This will make sure that the GVW and rear axle weights are not exceeded.

**Note:** When calculating rear axle weight, remember that the trailer tongue weight, the load in the vehicle's luggage area, weight on the roof rack, and the weight of rear seat passengers must all be considered. These combined weights must never exceed the GVW or the individual axle maximum loads.

**Note:** For every 3280 ft (1000 metre) increase in altitude above sea level, GTW must be reduced by 10%.

## TRAILER ELECTRICAL CONNECTION

### NOTICE

Connect only approved electrical circuits, which are in good condition, to the trailer electrical socket.

When a trailer electrical connection is made, and the vehicle's turn signals are used, a warning lamp will flash. See **71, TRAILER DIRECTION INDICATORS (GREEN)**.

### ⚠ WARNING

Land Rover approved trailer electrical connectors will disable the automatic off-road height selections requested by the Terrain response.

**Note:** If a trailer with LED lights is connected to the vehicle, the bulb check at ignition switch on may not function. See **67, LAMP CHECK**.

## TOWING A TRAILER

### ⚠ WARNING

Do not exceed the GVW, maximum rear axle weight, maximum towing equipment tongue load, maximum trailer weight or tow hitch load (tongue weight). Exceeding any of these limits could cause instability and loss of control.

### **⚠ WARNING**

Never exceed the maximum weights for either the vehicle, or the trailer. Doing so can cause accelerated wear and damage to the vehicle. It can also adversely affect vehicle stability and braking which in turn can lead to loss of control and increased braking distance, resulting in a rollover or crash.

### **⚠ WARNING**

To preserve handling and stability, only fit Land Rover approved towing accessories.

### **⚠ WARNING**

Never use towing eyes or lashing points to tow a trailer. They have not been designed for this purpose and doing so may cause them to fail, resulting in injury or death.

### **⚠ WARNING**

When towing, do not exceed 60 mph (100 km/h), or 50 mph (80 km/h) if the temporary spare wheel is in use.

### **⚠ WARNING**

The tongue weight of the vehicle's load carrying area and rear seat passengers, must never exceed the specified maximum rear axle load. Exceeding allowable vehicle and axle loads will increase the risk of tire and suspension failure, increase vehicle brake stopping distance and adversely affect vehicle handling and stability. This may result in a crash or rollover.

### **NOTICE**

To avoid overheating the gearbox, it is not advisable to tow heavy trailer loads at speeds of less than 21 mph (32 km/h) in High range. Select Low range instead.

**Note:** It is the driver's responsibility to ensure that the towing vehicle and trailer are being used correctly in accordance with manufacturer's recommendations and any applicable legislation, including the use of the correct size towing hitch for the trailer.

When towing a trailer over 4,400 lb (2,000 kg), a smoother start can be achieved by moving off in Low range then changing to High range while on the move. See **107, RANGE CHANGING ON THE MOVE**

### **NOTICE**

The use of weight distribution hitches are not recommended.

## **TRAILER STABILITY ASSIST (TSA)**

**Note:** This feature may not operate with all trailer designs.

### **NOTICE**

Trailer Stability Assist (TSA) will not operate in the event of the trailer jack-knifing.

### **NOTICE**

The ability of the system may be reduced when travelling on slippery surfaces.

TSA is an automatic feature to assist the stability of a trailer when towing. If trailer sway is detected, engine power will be gradually reduced and the brakes applied to help regain control.

**Note:** TSA will not operate when DSC is switched off.

## ESSENTIAL TOWING CHECKS

### ⚠ WARNING

Do not loop the breakaway cable over the tow hitch as it may slide off.

### ⚠ WARNING

Do not exceed the Gross Vehicle Weight (GVW), maximum rear axle weight, maximum trailer weight, or tongue weight. Exceeding any of these limits could cause instability and loss of control.

- When calculating the laden weight of the trailer, remember to include the weight of the trailer, plus the weight of the load.
- If the load can be divided between the vehicle and trailer, loading more weight into the vehicle will generally improve stability. Do not exceed the vehicle's weight limits.
- For maximum stability make sure that loads are properly secured and unable to shift position during transit. Also, position loads so that most of the weight is placed close to the floor and where possible, immediately above or close to the trailer axle(s).
- To maintain vehicle stability, it is essential that a twin-axle trailer is loaded so that it remains parallel to the ground.
- Increase rear tire pressures of the towing vehicle to those for maximum GVW conditions. See **221, TIRE PRESSURES**
- Make sure that trailer tire pressures are set to trailer manufacturer's recommendations.
- If the vehicle is loaded to the maximum GVW, tongue weight is limited to 331 lbs (150 kg). See **210, WEIGHTS**.

- If a greater tongue weight is required, the weight can be increased by up to an extra 100 kg (220 lb) but the vehicle load must be reduced by the same amount. This ensures that the GVW and maximum rear axle load are not exceeded and also allows for a maximum tongue weight of 250 kg (550 lb).
- Make sure that a suitable breakaway cable and/or safety chains are used. Refer to the trailer manufacturer's instructions for guidance.
- Make sure that the tow hitch is secure.
- Check the operation of all trailer lights.
- Tongue weight must be a minimum of 4% of gross caravan/trailer weight.

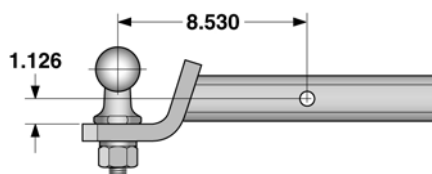
Hitch height must be set with the engine running, so that the caravan/trailer is level when connected to the vehicle.

**Note:** All doors must remain closed when hitching a trailer.

## TOW HITCH

The optional receiver for a trailer drawbar is rated as a Class II. When selecting a drawbar for the receiver, the following dimensions must be adhered to:

**Note:** Dimensions are in inches.



E150002

Consult your Land Rover Retailer for the latest information.