

## RECOMMENDED TOWING WEIGHTS

Maximum permissible towing weights	On-road	Off-road
Unbraked trailers	750kg (1650lb)	750kg (1650lb)
Trailers with overrun/electric brakes	1800kg (3968lb)	750kg (1650lb)
Nose weight	150kg (330lb)	-

See 197, **WEIGHTS**, for details of the Gross Vehicle Weight (GVW), Gross train weight (GTW), axle weights and maximum payload.

### Europe only:

When towing, the maximum permissible Gross Vehicle Weight can be increased by a maximum of 100kg (220lb) provided that the road speed is limited to 97km/h (60mph).

**Note:** When calculating rear axle loading, remember that the trailer nose weight, the load in the vehicle's luggage area, weight on the roof rack, and the weight of rear seat passengers must all be added together.

## TOWING A TRAILER

 **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.**

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

 **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.**

## TRAILER LEVELLING

To maintain vehicle stability, it is essential that the trailer is loaded so that it remains parallel to the ground. This is particularly important when towing twin axled trailers.

## ESSENTIAL TOWING CHECKS

-  **Do not loop the breakaway cable over the tow ball as it may slide off.**
-  **Do not exceed the Gross Vehicle Weight (GVW), maximum rear axle weight, maximum trailer weight, or nose 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.
- Ensure trailer tyre pressures are set to trailer manufacturer's recommendations.
- If the vehicle is loaded to maximum Gross Vehicle Weight (GVW) the nose weight is limited to 150kg (330lbs). See 197, **WEIGHTS**.

- Ensure that a suitable breakaway cable or secondary coupling is used. Refer to the trailer manufacturer's instructions for guidance.
- Ensure that the tow ball is secure.
- Check the operation of all trailer lights.

## Australia only:

- **Nose weight** - Must be a minimum of 7% of gross caravan/trailer weight, up to a maximum of 150kg (330lb).

## TRAILER ELECTRICAL CONNECTION

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

The vehicle connector provides a 5 amp output which must not be exceeded. An accessory harness kit increasing output to 15 amp is available from your Land Rover Dealer.

 When a trailer electrical connection is made and the vehicle's direction indicators are used, the trailer warning indicator will flash in time with the direction indicators.

## POWERED TAILGATE

 When towing, ensure there is sufficient clearance before opening or closing the tailgate.

## PARKING AIDS

The rear parking aids sensors are automatically disabled when a trailer with an approved electrical connector is connected.

**Note:** Trailers fitted with LED lights will not disable the rear parking aids sensors. When reverse gear is selected, the attached trailer will be detected as an obstacle.

## TRAILER STABILITY ASSIST (TSA)

When a trailer is attached, TSA will automatically detect when a trailer sway is developing. It will then gradually reduce vehicle speed by cutting engine power and applying the brakes to help regain control.

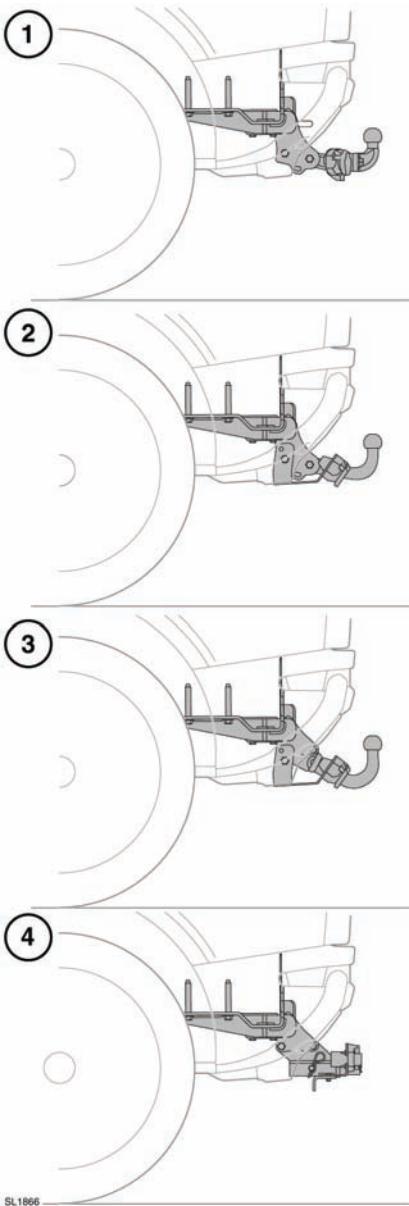
## HITCH ASSIST

Hitch assist is a user selectable touch screen feature that can aid the process of guiding the vehicle to the trailer tow hitch. See **109, SURROUND CAMERA SYSTEM**.

## DETACHABLE TOW BALL

Fit and remove instructions are supplied with this accessory fit item. Ensure that they are kept in a safe place.

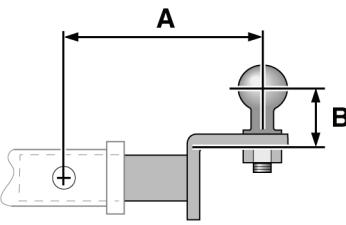
## TOW BALL OPTIONS



1. Bolt on tow ball onto flange.
2. Fixed swan neck tow ball.
3. Detachable tow ball.
4. Receiver for hitch (drawbar). Australia only.

## TRAILER HITCH - Australia only

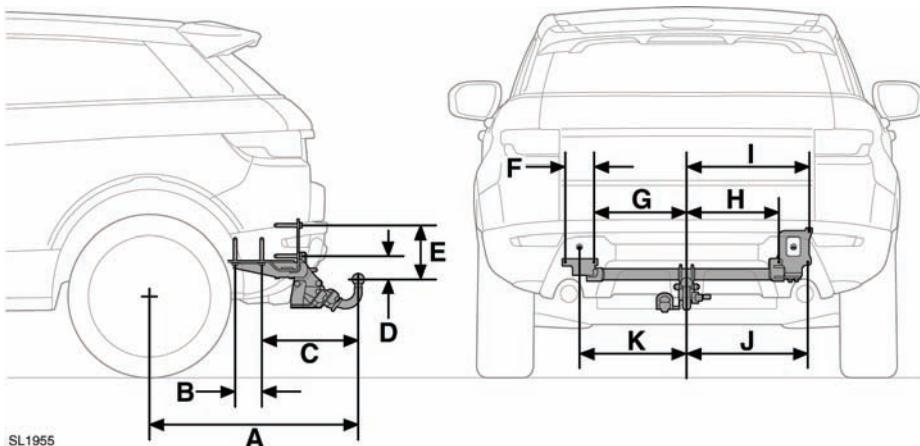
When selecting a drawbar for the receiver, the following dimensions must be adhered to:



- A. The maximum recommended drawbar length is 178mm (7 in).
- B. To achieve the maximum ball height, a drawbar with a rise of 68mm (2.7 in) is recommended.

Consult your Land Rover Dealer/Authorised Repairer for the latest information.

## TOW BAR DIMENSIONS



Ref.	Dimension	MM	Inches
A	Wheel centre to centre of tow ball	871 mm	34.3 in.
B	Fixing points	110 mm	4.3 in.
C	Fixing point to centre of tow ball	405.5 mm	16.0 in.
D	Centre of tow ball to tow bar attachment	83 mm	3.3 in.
E	Centre of tow ball to fixing point	220 mm	8.7 in.
F	Centre of tow ball to fixing point	130 mm	5.1 in.
G	Centre of tow ball to fixing point	415 mm	16.3 in.
H	Centre of tow ball to fixing point	415 mm	16.3 in.
I	Centre of tow ball to fixing point	550 mm	21.7 in.
J	Centre of tow ball to fixing point	544 mm	21.4 in.
K	Centre of tow ball to fixing point	480 mm	18.9 in.

**Note:** Dimensions refer to towing equipment officially released by Land Rover.