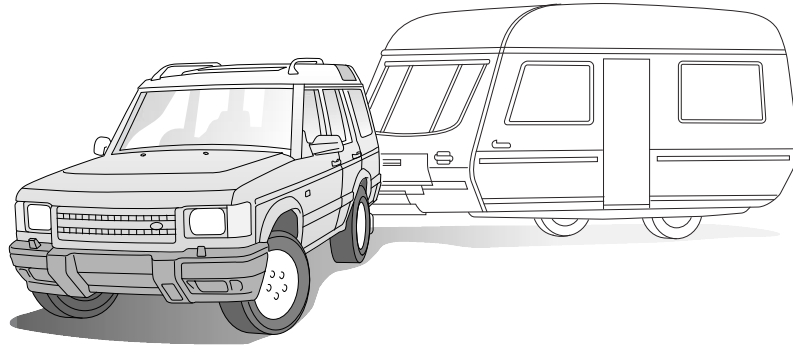


Towing



H2568

TOWING

The torque ranges of Land Rover engines allow maximum-weight loads to be pulled smoothly from standstill, and reduce gear changing on hills or rough terrain. The suspension is designed to cope with a heavy trailer load without upsetting the balance or feel of the vehicle. Details of gross maximum towed weights are listed on the following pages and in the 'General Data' section.

WARNING

Only fit towing accessories that have been designed and approved by Land Rover.

Ensure that the gross vehicle weight and maximum rear axle weight are not exceeded.

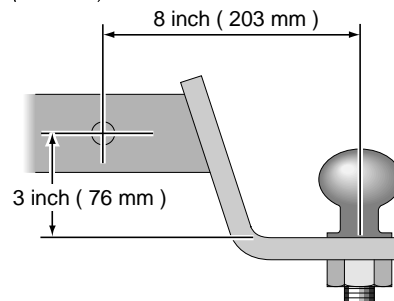
In on-road towing conditions, vehicles equipped with SLS should only be operated in NORMAL MODE.

Trailer hitch

Your vehicle is equipped with a Class III trailer hitch receiver as standard equipment. When selecting a drawbar for the receiver, do not exceed a drop in height of 3 in (76 mm) or a hitch length of 8 in (203 mm) - both as measured from the connecting pin of the receiver.

An equalising or other form of weight distributing hitch should NOT be used with your vehicle.

NOTE: Users of light trailers with loads not exceeding 5511 lb (2500 kg) and a tongue weight limited to 400 lb (180 kg), may opt for a drawbar with a drop height not exceeding 5 in (127 mm).



H2651

Towing

When preparing your vehicle for towing, pay careful attention to the trailer manufacturer's recommendations and follow the guidelines below:

- Ensure that the towing vehicle tyre pressures are correct and that the trailer tyre pressures are as recommended by the trailer manufacturer.
- Within the limits quoted, choose a draw bar that allows for a level attitude of the trailer and vehicle.
- Check the operation of trailer brakes and lights.
- For maximum stability, ensure 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).
- After loading the trailer check that the weight on the hitch point (this is called the tongue weight, or nose weight), is in accordance with both the trailer manufacturer's recommendations, and the requirements in this Manual, (see 'Tongue Weight').
- When calculating the laden weight of the trailer, remember to include the weight of the trailer PLUS THE LOAD.
- Where the load weight can be divided between trailer and tow vehicle, loading more weight into the vehicle will generally improve the stability of the combination.

NOTE: It is the driver's responsibility to ensure that all regulations with regard to towing are complied with according to the state in which the vehicle is being operated. All relevant information should be obtained from an appropriate motoring organisation or towing equipment retailer.

Towing

Tongue weight

The following operating instructions should be read in conjunction with the towing chart given later in this section.

IMPORTANT

For all of the towing conditions described, it is important that the following points are observed:

- All loads in the vehicle should be distributed as far forward as possible.
- The maximum Gross Vehicle Weight must not be exceeded, see 'General Data'.
- The maximum individual axle weights must not be exceeded, see 'General Data'.
- Changes between high and low ratio should not be made while the vehicle is on the move.
- Total trailer weight and tongue load can be measured with platform scales found at highway weighing stations, building supply companies, etc.
- The loading capacities and conditions for coil sprung and self levelled vehicles are different. Read the following section on permitted loading conditions for full details.

WARNING

The tongue weight plus the combined weight of the vehicle's load carrying area and rear seat passengers must never exceed the specified maximum rear axle load (see 'General data').

NOTE: When towing trailers, always consult and obey local speed regulations. Speed should be reduced to compensate for increased stopping distances.

Permitted loading conditions

1. *Trailers without brakes*
Maximum on and off-road trailer weight is 1653 lb. Maximum tongue weight is 115 lb.
2. *Trailers with brakes - off-road*
Maximum off-road trailer weight is 2204 lb. Maximum tongue weight is 155 lb.
3. *Trailers with brakes - on-road with vehicle at Gross Vehicle Weight*
Maximum trailer weight is 4410 lb. Maximum tongue weight is 330 lb. It is permissible to increase the tongue weight to a maximum of 550 lb, however the vehicle payload and rear axle loads must be reduced to keep within the GVW and maximum rear axle load.

Vehicle loading when towing to these conditions should be limited to 710 lb (equal to driver, three passenger's and 110 lb luggage) for vehicles with coil spring suspension or 900 lb (equal to driver and five passenger's) for vehicles with self-levelling suspension.

High and low ranges may be used when loaded to these conditions, but changes between the two ranges should not be made while on the move.

Towing

4. Maximum towing capacities - on-road in high range

Maximum trailer weight is 5500 lb.

For vehicles with coil springs, the maximum tongue weight is 385 lb, and the load in the vehicle should be limited to 450 lb (equivalent to driver and 2 passengers).

For vehicles with self levelling suspension, a tongue weight of 550 lb should be used and the load in the vehicle should be limited to 600 lb (equivalent to driver and 3 passengers).

5. Maximum towing capacities - on-road in low range

Maximum trailer weight is 7716 lb.

Maximum tongue weight is 550 lb. Vehicle loading should be restricted as follows

1. Coil spring rear suspension - 450 lb (equivalent to driver and two passenger's).
2. Self levelling rear suspension - 600 lb (equivalent to driver and three passenger's).

All occupants should be seated in the first and second row seats.

TOWING WEIGHT CHART

Item	Loading description	On-road	Off-road	Tongue weight
1.	Trailer without brakes	1653 lb	1653 lb	330 lb
2.	Trailer with brakes off - road	N/A	2204 lb	330 lb
3.	Trailer with brakes on-road at GVW	4410 lb	N/A	330 - 550 lb see item 3 on page 110
4.	Max. Capacity on-road in high range	5500 lb	N/A	550 lb
5.	Max. capacity on-road in low range	7716 lb	7716 lb	5500 lb

Towing

Automatic gearbox models

To avoid overheating the gearbox, it is not advisable to tow heavy trailer loads at speeds of less than 20 mph (32 km/h) using the main gearbox in high range. Use the transfer gearbox to select low range instead.

NOTE: Above 1,000 feet (300 metres) the effects of altitude can adversely affect engine performance and also cause overheating.

Vehicle weights

When loading a vehicle to its maximum (gross vehicle weight), consideration must be taken of the unladen vehicle weight and the distribution of the load to ensure that axle loadings do not exceed the permitted maximum values.

It is your responsibility to limit the vehicle load in such a way that neither the maximum axle loads nor the gross vehicle weight are exceeded (see 'General data').

Trailer socket

Incorporated in the vehicle's electrical harness is the facility to fit a multi-pin trailer lighting socket.

The wiring connection point is a sealed multi-pin connector located behind the right tail light cluster.

To gain access to the connectors, remove the light cluster (see 'Bulb replacement').

An accessory lighting adaptor kit is available, consult your dealer.

Power output from trailer socket must NOT exceed 5 amps.

