

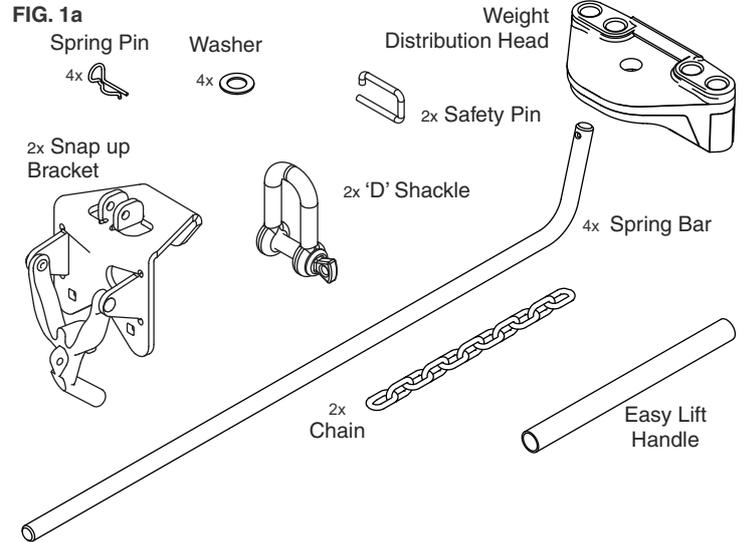
4 BAR WEIGHT DISTRIBUTION KIT LADEN BALL WEIGHT CAPACITY 130KG (285LBS)

CAUTION: *Maximum Carrying Capacity*

The 130kg (285lb) Weight Distribution System can distribute up to a maximum of 130kg (285lbs) of ball weight across the vehicle-trailer system. However, refer to the vehicle's towbar load specification and comply to the lesser rating if applicable.

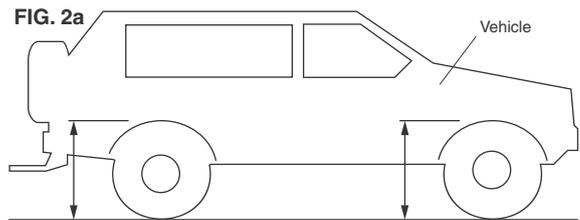
PART LIST: (Refer FIG 1a)

Item	Qty
Weight Distribution Head	1
Washer	4
Spring Pin	4
SNAP UP Bracket	2
Spring Bars (19mm Rods)	4
Chain	2
Easy Lift (Snap Up) Handle	1
Safety Pin	2
'D' Shackle	2
1/2" x 2" UNC Set screw	2



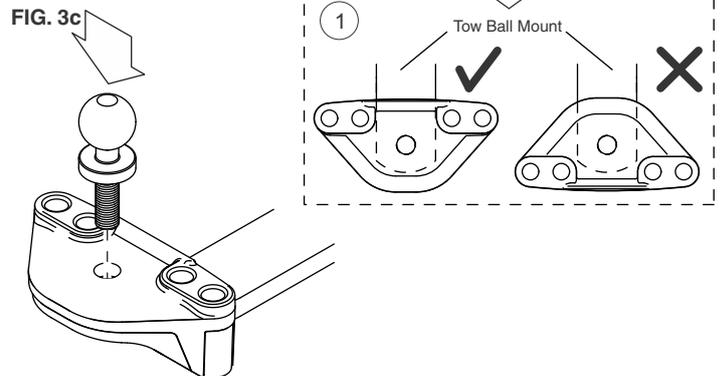
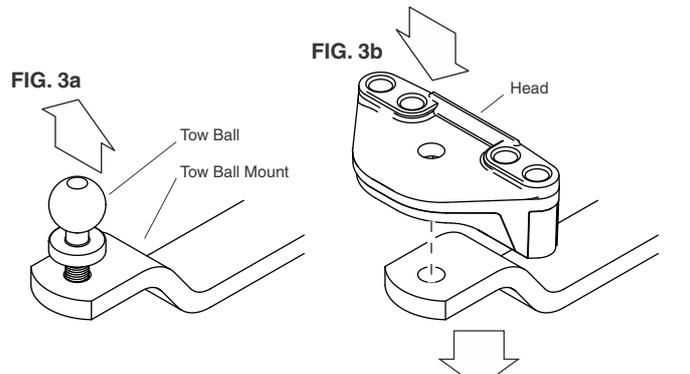
STEP 1 - PRE INSTALLATION

Measure the unladen vehicle's front and rear wheel arch height (**FIG 2a**). Note the difference between these 2 figures.



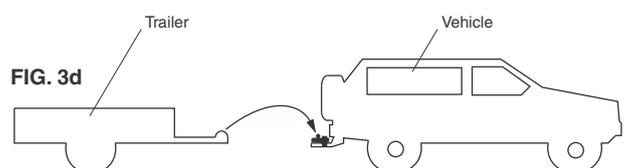
STEP 2a - MOUNTING THE HEAD

- Remove Tow Ball from the Tow Ball Mount (**FIG. 3a**).
- Place the Weight Distribution Head on the Tow Ball Mount, ensuring the hole in the centre of the Head is aligned with the hole in the Tow Ball Mount (**FIG. 3b**).
 - Ensure the Head is placed correctly on the Tow Ball Mount (FIG 3b.1).
 - On some towbars it is necessary to remove and reposition the safety chain attachment to allow the Head to be fitted.
- Fasten the Head to the Tow Ball Mount with the Towball (**FIG. 3c**).
 - Ensure the Tow Ball is fastened tightly (250Nm of torque). Intermittently check the Tow Ball whilst in use.
- Place trailer/caravan Coupling onto the Tow Ball and tighten (**FIG. 3d**).



STEP 2b - MOUNTING THE SPRING BARS

Fit the Spring Bars into the Head by inserting the short end of the Spring Bar into the underside of the Head (**FIG 4a.1**). Place a Washer around the Spring Bar (**FIG 4a.2**). Hold the Spring Bar in position by inserting a Spring Pin into the hole at the top of the Spring Bar (**FIG 4a.3**). Repeat for remaining Spring Bars (**FIG 4a.4**).



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Maximum Carrying Capacity: Refer to vehicle's owners manual for towbar load specification. Always comply to the lesser value.

STEP 3 - TENSIONING THE SPRING BARS

- Place snap up brackets on to a frame at a distance between 450 to 660mm from the centre of the coupling. Fasten the bolts on the snap up brackets to secure brackets into place ensure that both snap up brackets are at equal distances (**FIG 5a**).

Note: on some caravan applications the gas bottles (or other accessories) may need relocation if the chain does not hang vertical.

- Fit the spring bar retaining plate to the spring bars ensuring that the plate is a minimum of 100mm away from the end of the spring bars (**FIG. 5b**). Take load on the jockey wheel to bring trailer and vehicle to above horizontal

Note: This is a safety precaution to reduce the strain on the person performing the next step.

- Locate link of chain on the hook on the snap up bracket. Slide the easy lift handle on the snap up bracket and raise handle. Ensure the chain lifter passes over the centre. While keeping pressure on the easy lift handle, slide the safety pin through the small hole to lock the chain lifter in position. Repeat steps 3 through to 6 for the other side of the trailer or caravan. Check the level of the vehicle and trailer by measuring heights at the positions in step 1 preparation the front and rear of the vehicle should settle to original readings within 15mm (**FIG. 5c**).
- Ensure that tow ball is well lubricated and tightened to the correct torque. Ensure all bolts, safety chains and brake connections are correctly fitted
- Measure the vehicle's front and rear wheel arch height (**FIG. 5d**). Calculate the difference between these two figures. Compare this figure with that obtained in STEP 1A. If this figure is not similar, adjust the number of links that the Spring Bars are held up by. Try to get the two figures as close as possible to each other by adjusting the Chains.
 - Ensure that all of the Spring bars are held up by the same number of links in the Chain, so that the load is distributed evenly.
- Observe the following whilst traveling:**
 - The Spring Bar tension must be adjusted every time load is taken out of or put into the trailer/caravan and the vehicle itself. Use the vehicle wheel arch measurements from STEP 3F to correctly adjust the Chains.
 - Ensure the Tow Ball is fastened tightly (250Nm of torque). Intermittently check the Tow Ball whilst in use.
 - Whilst driving, it should always be observed that the Weight Distribution be disengaged (ie. release Spring Bars) when: negotiating rough, uneven terrain; entering/exiting driveways, short steep gutters, access ramps, speed humps and dips; negotiating tight, acute turning at low speeds; or when traveling up/down steep abrupt inclines (ie. severe undulating road surfaces).
 - Do not use the Weight Distribution System to distribute ball weights greater than 130kg (285lb). If the tow bar has a lesser rating than 130kg (285lb), comply to the towbar rating. Do not overload the tow bar.

FIG. 4a

Note: Trailer Coupling not shown for illustrative purposes only

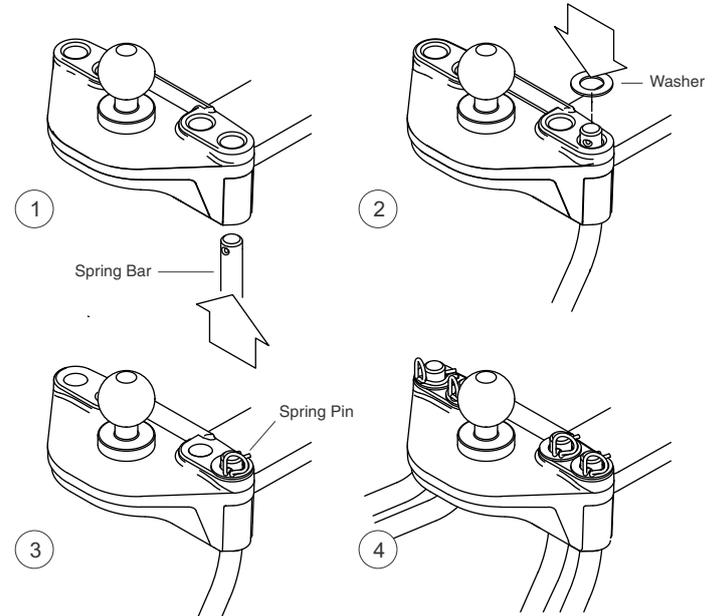


FIG. 5a

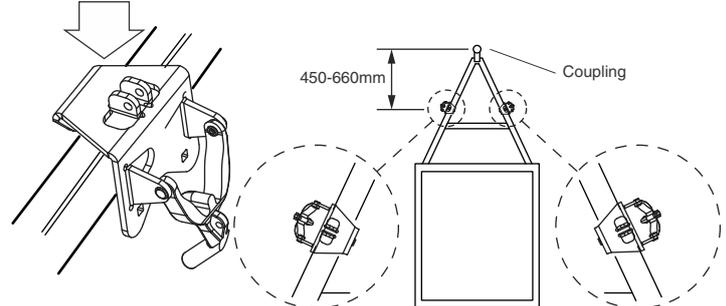


FIG. 5b

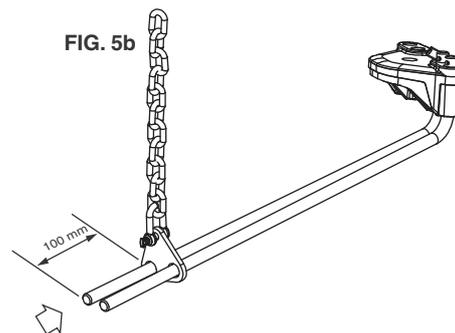


FIG. 5c

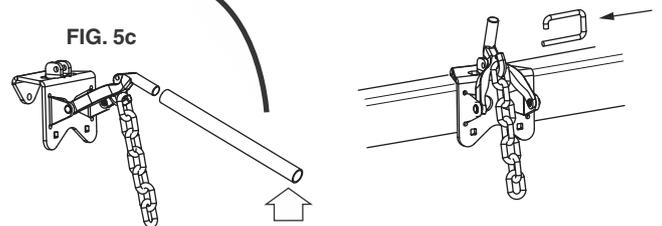


FIG. 5d

