

TRAILBOSS

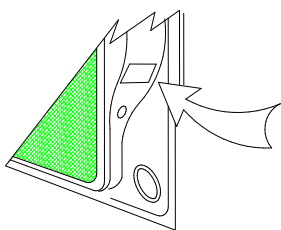
Towbar Fitting Instructions To Suit **DODGE NITRO 2007 on** Part Number **QTJP10L** Rating 2270 kg

WARNING:

1. Do not, drill, cut, weld or otherwise modify the tow bar.
2. If you are using electric welding on a motor vehicle, **always** check that the vehicle is not equipped with electronic engine or instrument management equipment. Failure to do so could **destroy** any onboard computers. If in doubt, check with the vehicle's manufacturer.

General:

1. Ensure all hardware items have been included refer to assembly diagram.
2. It is recommended that the instructions are read through and completely understood before making any attempt to fit this product.
3. Be wary of any changes to vehicle designs or other accessories that may conflict with the installation of this product.
4. Before drilling ensure that the area is clear of fuel, electrical & other components.
5. All holes drilled into the body panels shall have all burrs & swarf removed then coated with a suitable rust preventative paint.
6. For vehicles that require the bumper to be cut. Ensure cut out area is in correct position on the vehicle prior to cutting the bumper.
7. The high tensile fasteners supplied with this product were used to achieve the specified rating. If replacement is required ensure that fasteners of the same rating & quality are used. Contact an authorized **Trailboss** dealer if further information is required.
8. Ensure that all hardware is fastened to torque list below check fasteners on regular basis.
9. Tow bar load rating sticker provided with this product shall be conspicuously located on inside rear end of the driver's door. **(See diagram below).**
10. Trailboss recommends that you check your tow ball to ensure that it complies with the Australian standards **AS 4177.2**.
11. **PLEASE NOTE:** It is advised to remove your lug or tbn when not actually towing so as to produce a clear view of the vehicles registration plate if obscured, and to also provide maximum available departure angle



Place load rating sticker
inside driver's door here

FOR TOWING PURPOSES ONLY

For towing capacity details please refer to vehicle owner's manual or to the manufacturer. Overloading can void your warranties.

RECOMMENDED ASSEMBLY TORQUE LISTING

Diameter Grade 8.8 Bolt

M6	9.5 Nm
M8	21.7 Nm
M10	43.4 Nm
M12	77.3Nm
M14	146 Nm
M16	189.8 Nm

Tow bar Maintenance and Care.

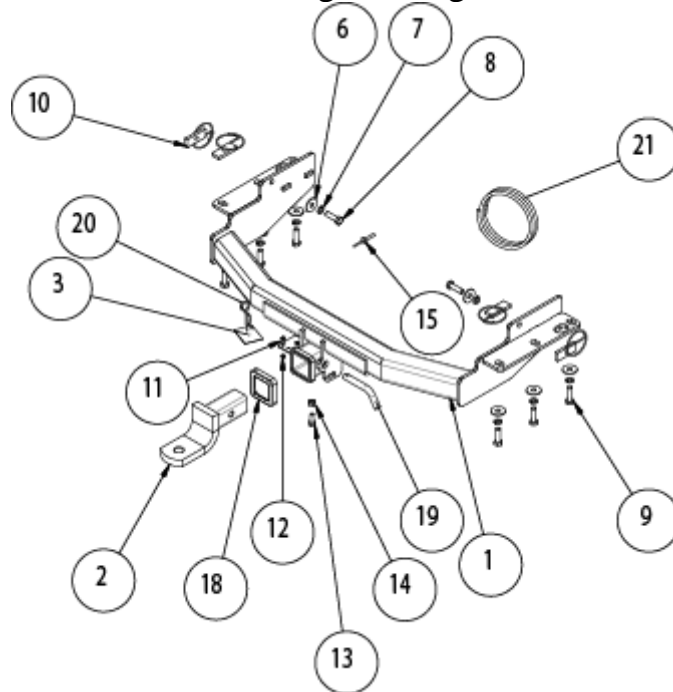
Trailboss recommends that bolt torque's, as listed below, are routinely and regularly inspected and checked for correct tension. Replace any worn or defective parts.

We recommended to remove Tow Ball Mounts (TBM's, tongues or lugs) when not being used for any considerable length of time.

So as to avoid injury, when not towing it is suggested that the tongue, Pull Pin and R-clip are removed then stored in a safe, clean and dry place, away from excessive moisture.

Hitch Pull Pins and spring "R" clips are regularly checked for proper installation. Replace any worn or defective parts.

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ITEMS 4, 5, 6, 17 & 18 ARE NOT SHOWN IN THE DRAWING

Figure 1 – Layout Diagram

ITEM NO.	DESCRIPTION	QTY.
1	WELDED ASSY DODGE NITRO	1
2	TBM	1
3	COMPLIANCE PLATE	1
4	Wheel Arch Clip	10
5	Wheel Well Skrivet	12
6	WASHER FLAT M12x 37 x 3	8
7	M12 X 4.0 X 2.5 SPRING WASHER	8
8	Bolt M12-1.25x40 GR 8.8 Blk Zn	4
9	BOLT M12-1.75x40 GR8.8	4
10	M12-1.25 Tab plate	4
11	Screw pan xr mts M5-0.8 x 16 z/p	2
12	NUT NYLOC M5-0.8 Z/P	2
13	BOLT M10-1.50 x 25	1
14	NUT HX M10 - 1.5 Z/P	1
15	RIVET Dia. 6.4 x 36 lg	10
16	FITTING INSTRUCTIONS	1
17	LOAD RATING LABEL	1
18	HITCH BOX COLLAR COVER	1
19	PULL PIN	1
20	SPRING COTTER PIN	1
21	WIRING LOOM	1



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STEPS TO FIT TOWBAR

1. Remove the Rear Bumper from the vehicle via the following steps:



Position the vehicle on to a safe working height on the hoist before commencing fitment.

- (a) Remove scrivenets from inside rear wheel well. Remove rear flare guards by lifting upwards.
 - (b) Remove screws x 4 from the top of the bumper.
 - (c) Remove scrivenets x 4 from under the bumper and remove mud flaps. Drill out pop rivets to remove rear bumper (2 rivets on each side).
2. Remove metal shield and discard.
 3. Remove spare wheel.
 4. Remove the towing hook.
 5. Locate the towbar in the chassis rail and loosely secure it.
 6. Drill 13mm holes on the chassis, using the vacant holes on the towbar (Rearmost hole on the horizontal plate and hole on the vertical plate).
 7. Use the tapped plate M12 X 1.25P in the drilled holes and secure the towbar.
 8. Torque the M12 bolts to the torque requirement mentioned on page 1.
 9. Trim the plastic guard to clear towbar.
 10. Cut the bumper. Find the centreline and make a cut 105mm wide and 45mm deep.
 11. Refit spare wheel, plastic guard, bumper and flare guard to the vehicle.
 12. Use the supplied pop rivets (item 18) on plastic guard and bumper.
 13. Use wheel arch clip (item 7) to replace any damaged clips that hold flare guard.
 14. Use wheel well scrivenets (item 8) to replace any damaged scrivenets in the wheel well.
 15. Affix the load rating label, as shown on page 1.



Wiring Loom Fitting Instructions
To Suit Dodge Nitro
Part Number 100064-WL

Wiring Loom Installation Instructions

Dodge Nitro
Part No: 100064-WL

Tail Harness Length Required: 1200mm
ECU Required: 04826
RPA Override Switch Part No: 04848 (If Fitted)
Kit Includes: 100064-P - Trailer Patch Harness
100064-PH - Power Harness



Wiring Loom Fitting Instructions
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Part Number 100064-WL

1. Inside the rear luggage compartment, remove the all items to gain access to the LHS and RHS tail light connectors.
2. From the outside of the vehicle, remove the LHS and RHS tail lights.
3. Remove the RHS rear passenger and front passenger door sill trims and dislodge the 'B' pillar. Remove the driver's kick panel.
4. Remove the driver's garnish lower trim fasteners and remove the lower trim.
5. In the engine bay, secure the Power Harness (P/No: 100064-PH) terminal to the positive battery terminal.
6. Route the Power Harness across the vehicle radiator support part, following the vehicle harness and into the RHS firewall area.
7. Remove the firewall grommet and route the Power Harness into the driver's cabin ensuring the Power Harness grommet is seated correctly.
8. Inside the driver's cabin foot well area, retrieve the Power Harness from the grommet hole located under the driver's garnish near the foot pedals and route across to the main vehicle harness by the kick panel.
9. Route the Power Harness along the vehicle harness past the 'B' pillar towards the RHS luggage compartment area.
10. Outside the rear of the vehicle, route the trailer harness across the vehicle intrusion bar towards both LHS and RHS tail light connectors. On the RHS grommet, push the tail light connector grommet inward and route the rest of the Trailer Patch Harness into the vehicle ensuring that the grommet is secured properly.
11. On both LHS and RHS, connect the trailer harness tail light connector into the vehicle tail light connector.
12. On the LHS, push in the vehicle tail light harness ensuring that the Trailer Patch Harness grommet is used instead.
13. Inside the vehicle at the rear RHS quarter, connect the Trailer Patch Harness 1-way connector into the power harness.
14. Connect the Trailer Patch Harness 12-way female ECU connector (4) to the ECU (P/No: 04826).
15. Secure the Trailer Patch Harness ground ring terminal to the vehicle grounding point.
16. Mount the ECU using adhesive tape or cable ties (not supplied).
17. Mount the tail harness (tail length 1200mm) socket to the towbar mounting bracket using M4 fasteners (not supplied). Secure harness with cable ties (not supplied).



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18. Waterproof the connectors by covering the back of the connectors with electrical grease or silicon. Connect the Tail Harness 8-way male connector to the Trailer Patch Harness 8-way female connector.
19. Test the Trailer socket using a light board or multi-meter.
20. Secure the all harnesses using cables ties (not supplied).
21. Refit all removed parts and secure all fasteners.
22. Place instructions in glove box after fitment.