Version 2 25226

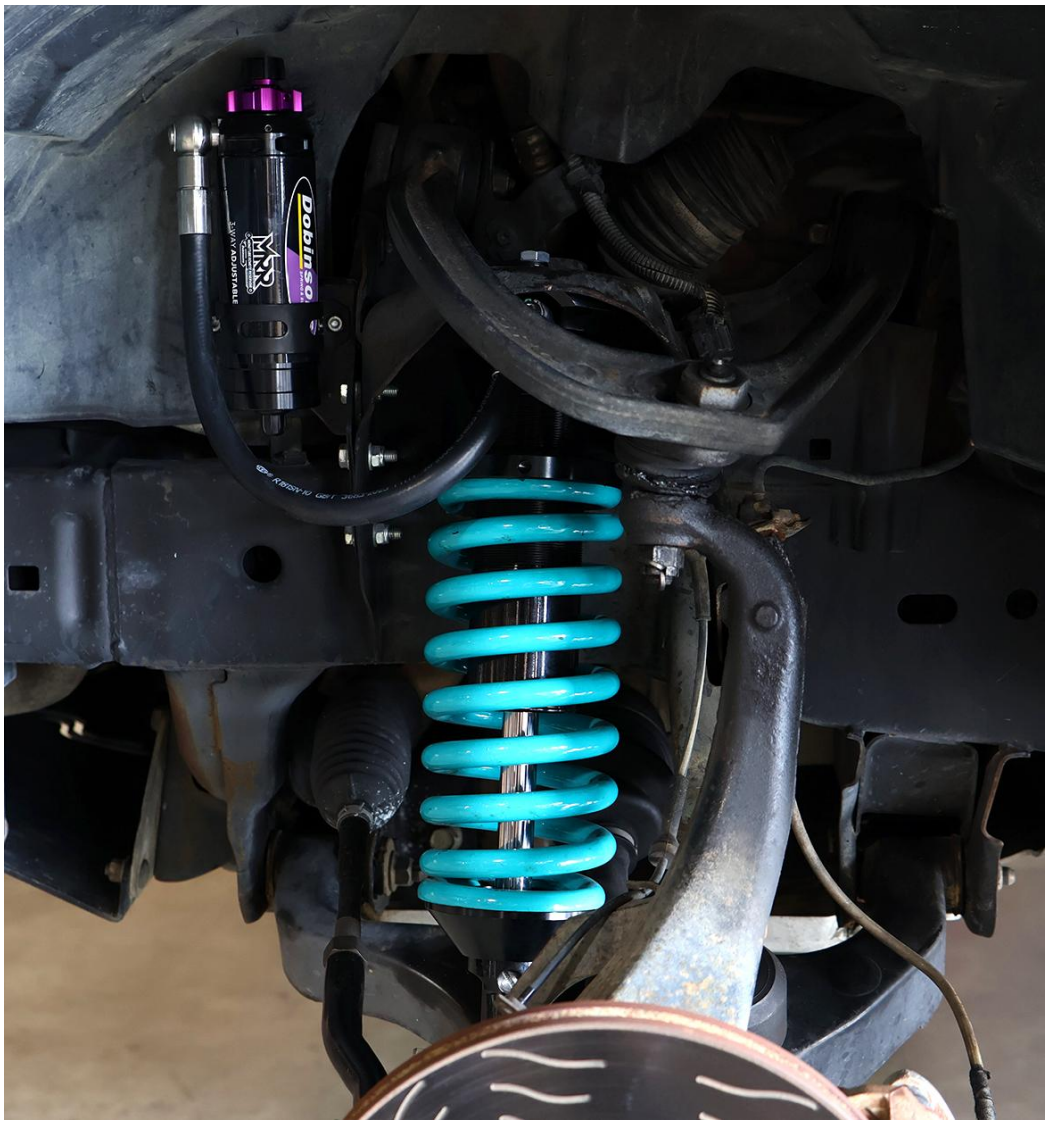
Fitment	Part Number
NISSAN FRONTIER and XTERRA with TITAN SWAP Components	MRA45-A530

Install Instructions

NOTE – Installation is always recommended by a competent technician. Failure to properly install may result in reservoir fouling on components and voiding warranty.

WARNING:

- **Do not let gas out of shocks unless you have the ability to re-charge the shocks.**
- **Care must be taken to ensure the external oil reservoir does not foul on any components over the full travel and with the steering wheel at full lock in both directions.**



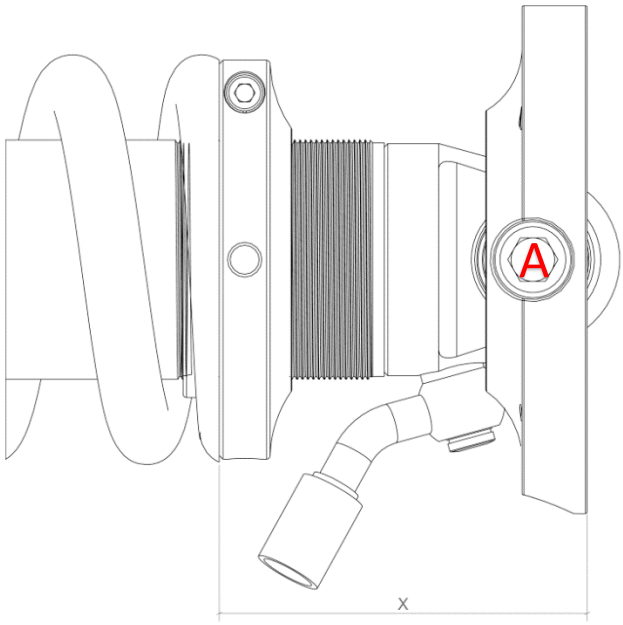
Dobinsons Springs and Suspension
Hollingsworth Street
Australia/USA/UAE

58 Hollingsworth Street
NORTH ROCHAMPTON QLD AUSTRALIA
admin@dobinsons.com

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Instructions

1. **Jack vehicle off the ground and place stands under the vehicle to ensure it does not fall. Before working on the vehicle, check it cannot come off the stands or move forwards or backwards.**
2. **Remove the original shock absorbers.**
3. **Set shock absorbers to the correct preload setting based on what height you are trying to achieve.**



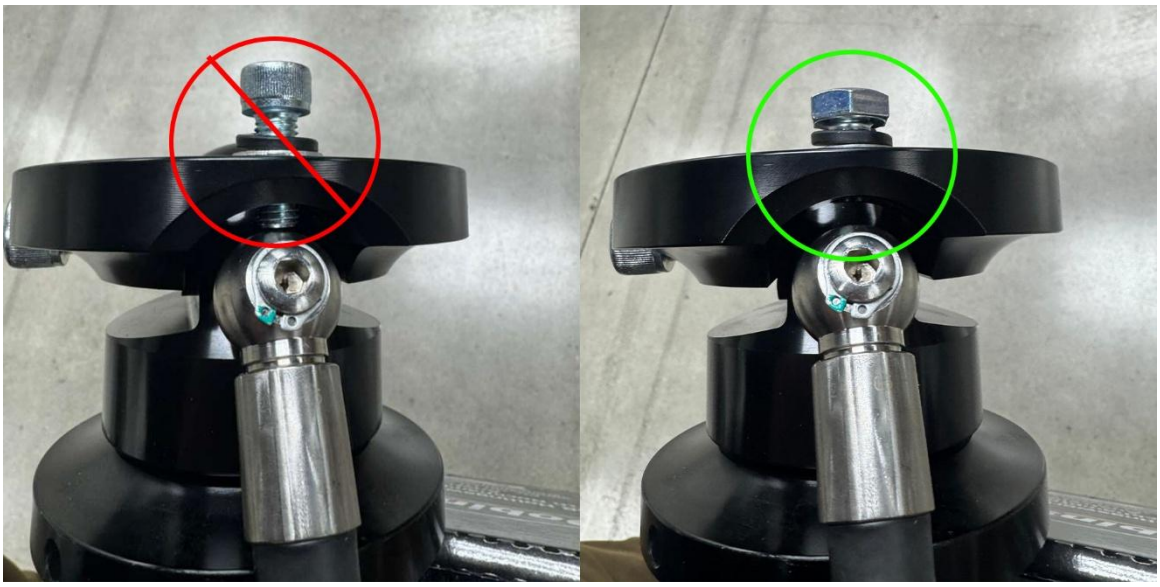
1 – BOLT "A" SHOULD BE TIGHTENED. THIS SHOULD BRING MAKE THE TOP CAP PULL TIGHT ONTO THE BUSH SLEEVE ON THE EYE. IF IT IS NOT TIGHT, YOU CAN APPLY MORE TORQUE.
2 - PLEASE NOTE LIFT HEIGHTS BELOW ARE APPROX AND VARY DEPENDING ON WEIGHT AND WHERE IT IS PLACED ON THE VEHICLES FRONT AND REAR. FOR EXAMPLE IF LOADING WEIGHT BEYOND THE REAR AXLE, IT CAN LIFT THE FRONT UP.
3 - IF UPGRADING COILS, OR CHANGING COILS, MAKE SURE THE COIL DOES NOT BOTTOM OUT WHEN FULLY COMPRESSED

Lift Height	Seat Height to centre of bolt (X)
1.5"	87mm
2.0"	95mm
2.5"	102mm
3.0"	110mm
3.5"	117mm

4. **Install the new shocks into location. For the front bolt in the strut cap, use the 15mm bolt. This is to clear the swivel fitting on the front side of the shock absorber.**

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5. **With the new shock installed, ensure the hose is routed forward under the upper control arm towards the front of the vehicle. See next picture.**



6. **Ensure you have the correct bracket for each side (3 bolts holes toward the rear and plate with 2 holes towards the front and upwards).**
7. **Clamp the bracket to the front side of the coil tower and ensure it sits around the welded plate on the tower – it will be a few mm in from the folded edge of the tower. Dummy fit the reservoir in place and ensure it does not contact the chassis or other components OR engine bay components. (FIG 1/2)**
8.

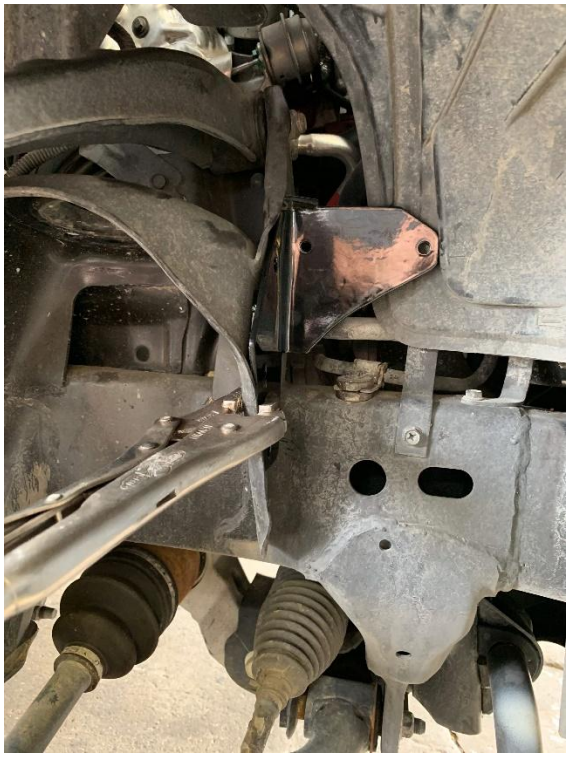


FIG 1



FIG 2

9. **Once happy with alignment place a board or similar in between the coil and the tower so that you do not drill into the spring. Drilling into the spring or shock will void warranty. Drill the 3 holes to around 8.5mm to clear the 8mm bolts. Remove all drill shavings and rust proof the holes with paint. (FIG 2)**

10. **Place the sticker on the reservoir and bolt the reservoir to the bracket using the D-Bracket provided and tighten. Bolt the bracket to the tower and tighten. Ensure there is no contact to any vehicle or engine bay components or hoses. NOTE: for MRR Adjustable shocks the reservoir banjo fitting rotates on 2 axis to allow the reservoir and banjo to rotate. For these shocks the adjuster will generally go toward the top with the hose looped down and around the res toward the shock absorber.**
11. **Complete remaining suspension install and double check final clearances.**



