

Drivetech SumoSprings

Constant Load Drivetech SumoSprings Kit

Part No: SS121V

Applications

Make: Nissan
Model: Navara
Series: D21
Chassis: 4x4
Year: 1986 - 1997

Make: Nissan
Model: Navara
Series: D22
Chassis: 4x4
Year: 1997 - On

This Variable Load Drivetech SumoSprings Kit has been designed specifically for vehicles that carry varying loads. To ensure appropriate vehicle geometries and to avoid an uncomfortable ride, ensure your vehicles factory suspension is of roadworthy condition. Drivetech SumoSprings are designed as a load assist solution and will not rectify any issues with deteriorated factory suspension.

To prevent damage to the vehicle and to ensure safety, do not exceed the Gross Vehicle Mass recommended by the vehicles manufacturer (GVM).

Drivetech SumoSprings have been designed and tested in Australia. Although every effort has been made to ensure this kit is a "no drill" installation we are unable to predict minor changes by vehicle manufacturers. If you are unable to install this kit please contact your nearest Drivetech SumoSprings Authorised Dealer.

Note for raised vehicles: All vehicles with raised height suspension require a Drivetech SumoSprings spacer kit. To determine which spacer kit is appropriate for your vehicle please contact your nearest Drivetech SumoSprings Authorised Dealer.

Parts List

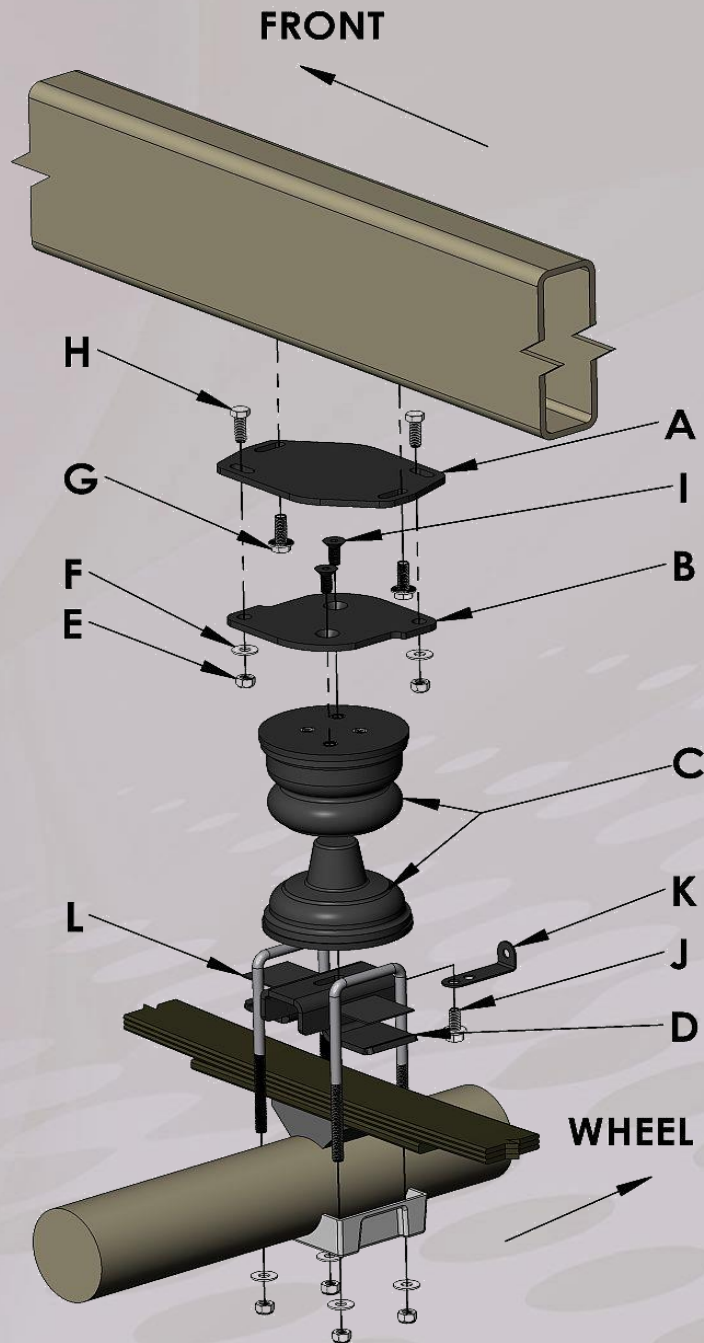
Item	Part No	Description	Quantity
A	522060	Top bracket upper plate	2
B	522059	Top bracket lower plate	2
C	521402	Drivetech Sumosprings	2
D	522066	Bottom bracket	2
E	512234	3/8-16 Top-lock nut	4
F	522244	5/16 USS washer	4
G	OEM	Factory Bump Stop Bolts	4
H	512208	3/8-16 x 1" hex bolt	4
I	512245	3/8-16 x 7/8" FHCS	4
J	512207	3/8-16 x 3/4" serrated flange hex head bolt	2
K	522065	ABS Bracket	2
L	512293	Neoprene Pad 2.0" x 2.0"	4

Tool List

Description	Quantity
Floor Jack	1
Jack stands	2
Wheel wedges	4
9/16" spanner	1
9/16" socket and ratchet	1
1/2" spanner	1
5.5mm Allen Key	1

Drivetech SumoSprings

Driver's side (Passengers side similar)



Important Notice

1. Read fitting instructions before attempting to install your Drivetech SumoSprings. Ensure you have all necessary tools available.
2. It is recommended that this installation be done by a Licensed Mechanic or persons with sound mechanical knowledge.
3. These instructions are designed as a guide for the installation of Drivetech SumoSprings. Motospecs accepts no liability for the actual installation process. All care should be taken when raising, lowering and working on vehicles. Installers should always apply common automotive safety practices.
4. Use ThreeBond 61305-10 anaerobic thread locker (or equivalent) where required to ensure Drivetech SumoSprings remain secure.
5. Drivetech SumoSprings are designed to enhance the vehicles load levelling performance and road handling. Motospecs does not recommend loading the vehicle beyond the manufacturer's GVM specifications.
6. If you are fitting Drivetech SumoSprings to a raised vehicle you will need to use the optional spacer blocks. Consult your original place of purchase for more information.
7. Observe all safety precautions and wear safety glasses.

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Installation Instructions

1. Park vehicle on a hard level surface.
2. Place wheel wedges in front and behind the front wheels to prevent rolling.
3. Raise the rear of the vehicle allowing the axle to hang free and rest the chassis on jack stands rated for the weight of the vehicle. Allow the wheels to hang and then position floor jack under the rear diff.
4. Removal of the rear wheels is optional, however it is recommended.
5. Starting with the passenger's side, sufficiently slack off the factory u-bolts to allow the removal of the vehicles bump stop striker plate. Remove the factory bump stop striker plate from the top of the axle to facilitate the installation of the lower bracket (Item D).
6. For vehicles with Anti Lock Brakes (ABS) remove the bolt securing the ABS sensor wire to the factory bump stop striker plate.
7. Remove the factory bump stop from the underside of the chassis. Set aside the removed bolts for later reinstallation.
8. Loosely attach the top bracket upper plate (Item A) to the underside of the chassis using the factory bump stop bolts removed in the last step. Ensure that the plate is orientated as per the exploded view.
9. Attach the top bracket lower plate (Item B) to the top of the spring (Item C) using 3/8-16 x 7/8" FHCS (Item I).
10. Position the top bracket lower plate (Item B) to the base of the top bracket upper plate (Item A) and loosely secure with 3/8-16 x 1" hex bolt (Item H), 5/16" USS washer (Item F) and 3/8-16 top lock nut (Item E).
11. Loosely attach the bottom bracket (Item D) to the bottom of the spring using the 3/8-16 x 3/4" serrated flange hex head (Item J)
12. Position this assembly on top of the leaf spring. Position the factory u-bolts so that they straddle the bottom bracket.
13. Raise the diff bringing the lower section of the spring assembly to rest against the top section of the spring assembly.
14. To ensure optimum performance align the spring in a straight position.
15. Once aligned re-torque factory u-bolts to manufacturer's specifications and tighten all other fittings.
16. Repeat steps 5 to 15 on the driver's side.
17. Jack up vehicle, remove safety jack stands. Carefully lower vehicle.
18. Remove wheel wedges from the front wheels.

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Drivetech SumoSprings and Drivetech 4x4 Additional Parts

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Additional Parts List

(not included in this kit)

Part Number	Description	Comments	Per Car Quantity
SSS12	12mm Spacer Block Kit		1
SSS25	25mm Spacer Block Kit		1
SSS50	50mm Spacer Block Kit		1
SSB36V	Variable Load Replacement Drivetech SumoSprings		1
SSB36C	Constant Load Replacement Drivetech SumoSprings		1
DT4-NIS905	Torsion Bar: Set	Heavy Duty	1
DT6-NIS108HDS	Leaf Spring: Right Rear Heavy Duty	Up to 50mm lift with approx 200kg additional weight	1
DT6-NIS108HPS	Leaf Spring: Left Rear Heavy Duty	Up to 50mm lift with approx 200kg additional weight	2
DT6-NIS108JDS	Leaf Spring: Right Rear Extra Heavy Duty	Up to 50mm lift with approx 200 - 350 kg additional weight	1
DT6-NIS108JPS	Leaf Spring: Left Rear Extra Heavy Duty	Up to 50mm lift with approx 200 - 350 kg additional weight	1
DT9-200010	Shackle: Rear Leaf Spring	Greasable	2
DT9-200011	Pin: Rear Leaf Spring	Greasable	2
DT3-UB788	U-Bolt: Rear		4
DTB7246	Bush Kit: Rear Leaf Spring: Front Eye	Polyurethane	1
DTB7019	Bush Kit: Rear Leaf Spring: Rear Eye & Shackle	Polyurethane	2
DTS1024	Drivetech 4x4 Enduro Shock Front		2
DTS1001	Drivetech 4x4 Enduro Shock Rear		2
DTSK-NIS03H	Drivetech 4x4 Enduro Suspension Lift Kit	Up to 40mm lift with approx 200kg additional weight	1

Australia – 1800 463 646

www.sumosprings.com.au

New Zealand – 0800 809 808

www.sumosprings.co.nz



Drivetech SumoSprings Express Warranty

Your Drivetech SumoSprings load levelling kit is covered by the Express Warranty set out in this warranty statement. The Drivetech SumoSprings load levelling kit is warranted to be free of defects in material and workmanship for a period of 2 years/40,000kms from the date of purchase. If a defect in material or workmanship arises during this period, Motospecs will at our option repair or replace the Drivetech SumoSprings load levelling kit.

In order to make a claim under this warranty, you must return the faulty Goods to your original place of purchase together with proof of purchase.

What is not covered by this Express Warranty?

- This Express Warranty does not cover:
- Damage arising or related to any vehicle, product, or component combination other than the Drivetech SumoSprings load levelling kit
- Improper use of your vehicle, including overloading
- Normal wear and tear, deterioration of spring shape or rating, alteration or failure to maintain
- Scratches or defects in product finishes (powder coating, paint, etc)
- Racing or other vehicle competitions or contests
- Accidents, impact by rocks, trees, obstacles or other aspects of the environment

This Express Warranty does not cover the costs of removal, shipping or installation. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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