



Dobinsons Spring and Suspension
admin@dobinsons.com
58 Hollingsworth Street
Kawana QUEENSLAND AUSTRALIA 4701

FITTING INSTRUCTIONS

PART NUMBER – MRA19-A105

REAR STRUT

FORD BRONCO 21+

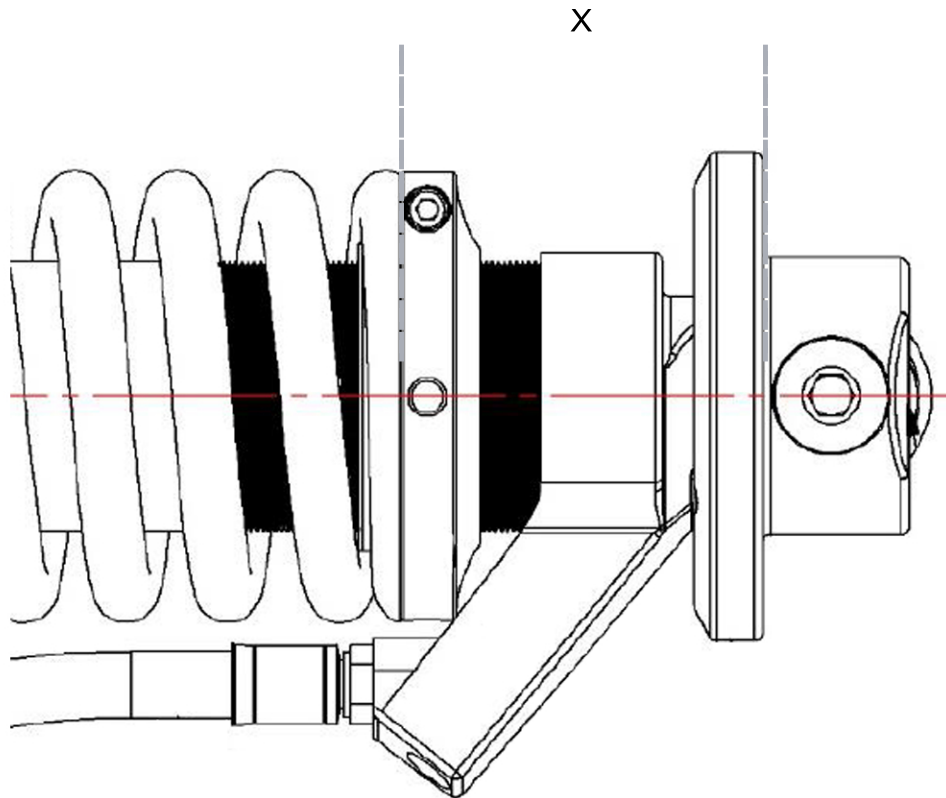
NOTE – Installation is always recommended by a competent technician. Height not to be adjusted on vehicle.

COMPONENTS	
2 X MRA19-A105 SHOCK ABSORBERS 2 X C19-571V (MRA19-A105KA) OR C19-573V (MRA19-A105KB) 1 KIT RM19-051 (RES MOUNT KIT)	RES MOUNT KIT INCLUDES <ul style="list-style-type: none">• 2 BRACKETS• 4 HOSE CLAMPS• 2 P Clamps• 4 M8 Bolts and nuts with washers.

Fitting to 2021 + BRONCO

1. To set an approx. lift height, see table at end for setting preload. This will get you close to the lift you require.
2. Raise the front end of the vehicle off the ground using a certified jacking system.
3. Support the vehicle using properly rated jack stands. The jack stands should be on the chassis rails of the body. Check the jack stands are locked in place and can handle the weight of the vehicle when it is lowered onto them. Check the vehicle will also not move. The wheels may need chocks to stop them moving.
4. Remove the front wheels.
5. Support the lower control arm with a jack.
6. If equipped with a sway bar, loosen sway bar link nut both sides. Sway bar may need to be moved out of way to remove and fit shock absorbers.
7. Remove brake lines if attached to control arms and move away so it can all lower down without stretching the lines.
8. You may wish to loosen the lower control arm bushes and upper control arm bushes to make it easier to move the arms out of the way.
9. Remove the top 3 nuts on the strut cap. It is important to NOT loosen the middle nut as this is part of the shock absorber.
10. Remove the lower bolts from the shock absorber eye holding it to the lower control arm. Keep note of the direction this bolt is going as it will need to be put back in the same direction.
11. Remove the strut assembly from the vehicle. It is important to not damage any lines or hoses. Sometimes you may need to use a lever bar to get it out as the lengths of the shocks may only just fit into the whole suspension setup.
12. Set up your strut to desired seat height as per table over page. Tighten the top bolt which holds the top cap onto the shock absorber. This should be done up very tight so the cap does not move on the bush steel face. This should be tightened at 90 degrees to the body.
13. Install new Dobinsons struts in the existing location. The hose will need to be facing outwards towards the rear of the vehicle. Check pictures.
14. Place the 3 bolts and spring washers in the top cap through the tower into the threaded holes and tighten up to 32 ft lbs torque.
15. Install the lower shock fixing bolts into the lower arm through the original mounting holes like original shock absorber. DO NOT TIGHTEN this bolt yet. It should only be tightened at ride height.
16. Install wheels back onto vehicle.
17. Lower the vehicle onto the ground after jacks are removed.
18. IF the bolts in the lower control arms and upper control arms were loosened before at the earlier stage the retighten them up into the original alignment position.
19. Move the vehicle forwards and backwards in a short area (like 2m forward and 2m backward) to allow the vehicle to settle.
20. Tighten the lower shock absorber bolt now the vehicle has settled.
21. The vehicle should now be aligned as soon as possible to minimise any tyre wear.
22. It is good practice to come back after 500 km and check all bolts are tight.

SETTING PRELOAD



1 – BOLT “A” SHOULD BE TIGHTENED TO MEET THE CAP ON THE SLEEVES.

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

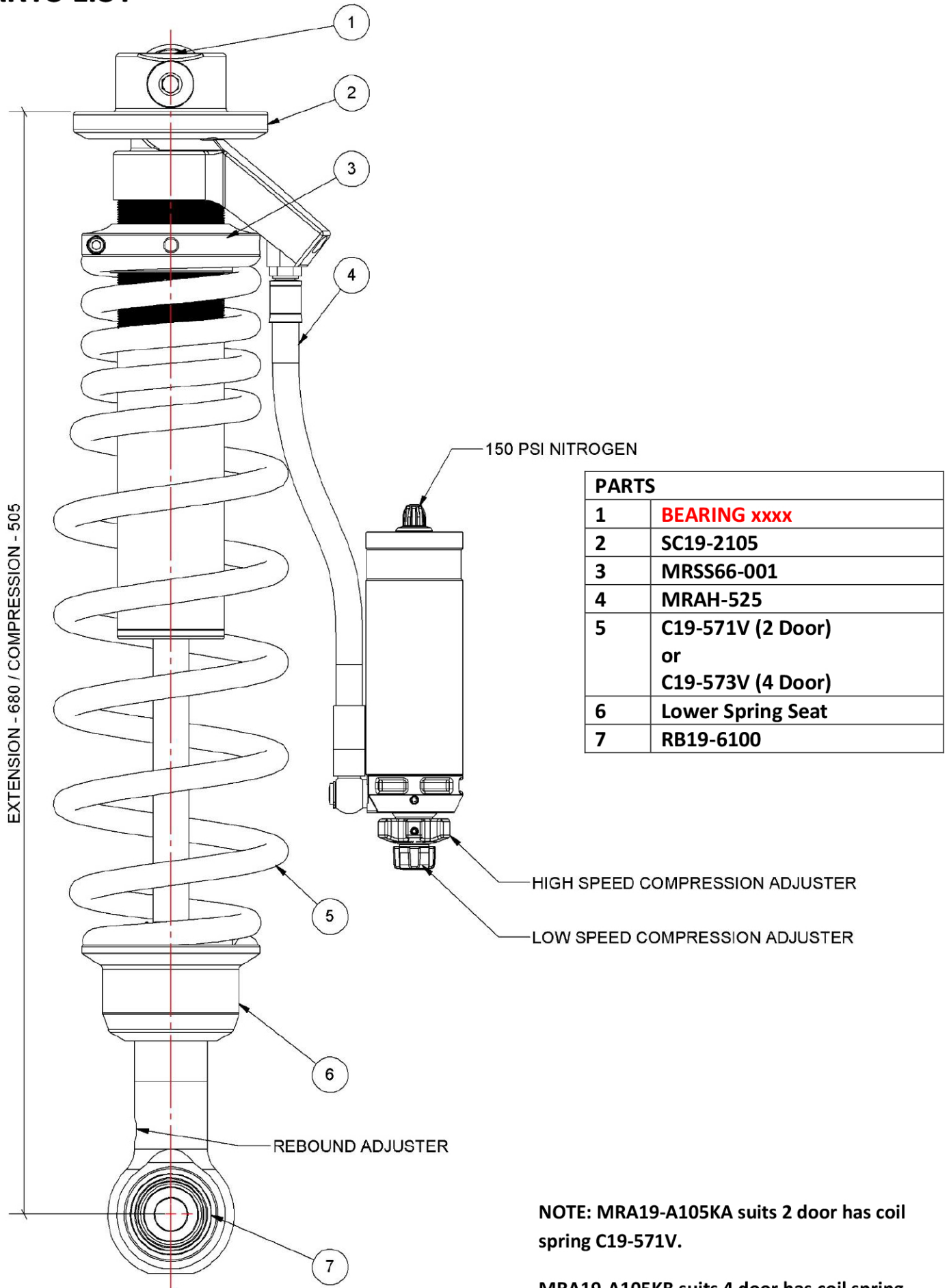
PRELOAD SETTINGS

Lift Height	Accessories	Seat height to top of cap (X)
50mm	0-40kgs	85mm MINIMUM PRELOAD
50mm	100-150kgs	92mm
75mm	0-40kgs	99m
75mm	100-150kgs	106mm

FITTING PICTURES



PARTS LIST



PARTS	
1	BEARING xxxx
2	SC19-2105
3	MRSS66-001
4	MRAH-525
5	C19-571V (2 Door) or C19-573V (4 Door)
6	Lower Spring Seat
7	RB19-6100

NOTE: MRA19-A105KA suits 2 door has coil spring C19-571V.

MRA19-A105KB suits 4 door has coil spring C19-573V