

**TF226: AIR TO COIL CONVERSION – DISCOVERY 2****2" LIFT – MEDIUM LOAD SPRINGS FRONT & REAR****FITTING INSTRUCTIONS**

1. Put the car into gear or park and apply the hand brake, loosen the front wheel nuts on one side, raise the vehicle on a trolley or bottle jack under the axle and then support the vehicle with an axle stand under the chassis. It's easier and safer to do this job one side at a time.
2. Remove the front wheel.
3. Undo the 2 bolts securing the bottom of the shock absorber.
4. Gently lower the axle on the jack, the axle will lower the spring away from the chassis and the spring will become loose. Once this happens stop lowering the axle. Take care not to stretch the brake lines.
5. Compress the shock absorber upwards to allow the spring to be removed. If the car has gas shock absorbers fitted it may be necessary to undo the 4 nuts securing the turret and then pull the shock absorber and turret up out of the way.
6. Clean the spring plate on the axle and fit the new spring ensuring you use the correct spring for the side of the vehicle you are changing as the springs are normally handed.
7. Gently raise the axle back up using the jack and ensuring the spring relocates into the top chassis mount.
8. Refit the turret if you had to remove it, Pull the lower part of the shock down to the spring seat and re-fit and tighten the 2 bottom securing bolts
9. Refit the wheel, lower the car off of the axle stand and torque the wheel nuts correctly.
10. Repeat the procedure on the other side.
11. Using an Autologic or Test Book, depressurise the air suspension.
12. Lift the rear of the Discovery and use axle stands to support the vehicles chassis.
13. Remove the wheels and use to support the axle.
14. Remove clips from air spring then push down on spring and take off the air line. Take care of compressed air.
15. Turn spring and remove from the axle.
16. Find the 2 holes for the spring seat retaining bolts. To facilitate an easy installation, run a 10mm x 1.5 tap through these holes.

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17. Place lower spring seats into position.
18. Jack up the axle to remove the tension from the shock absorber. Take away the lower bolt and disconnect the ABS sensor lead from the bracket.
19. Place the upper spring isolator to the top of the spring. The tighter coils of the spring should be at the top.
20. Lower the axle so the spring can be installed.
21. Raise the axle ensuring the spring stays in place. Next install the shock absorber and re-connect ABS sensor.
22. Repeat procedure for the other side of the vehicle.
23. When both sides are done refit wheels lower the car off of the axle stands and torque the wheel nuts correctly.
24. Use the Autologic or Test book to disable the air springs by reprogramming the slabs computer to coil springs.



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