

Hi All,

Inspired by the thread on 'beefier' springs

<http://forums.tdiclub.com/showthread.php?t=313121&highlight=beef+budget>

I decided to add some 'beef' to my MkV 2009 Jetta Wagon a.k.a. Sportwagen.

Previously I had a pair of Firestone Airbags installed to prevent the car from hanging very low to the ground and scraping the tow bar while loaded but they were not up to the test. Mine started to leak (again) on the connectors last winter, most probably due to the salt and road debris so I decided to remove them and install something better.

This time I decided to install a product that is popular on the other side of the ocean called; Auxiliary Springs. <http://www.mad-tooling.com/en/suspension-systems/products/auxiliary-springs/>

I ordered a set of HV 199515 auxiliary springs from mad.



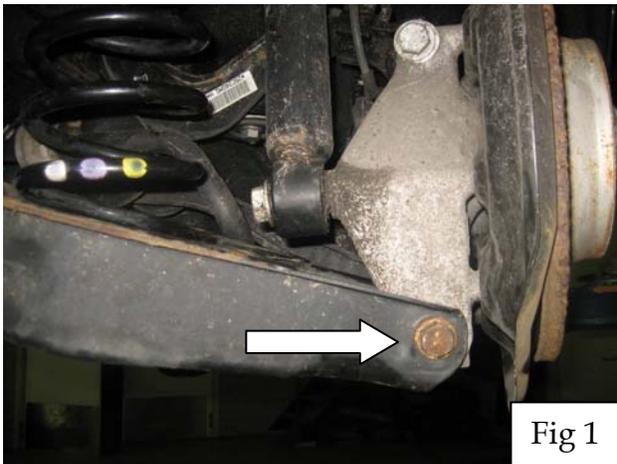
I thought I would spend some time to post a "How To" as a reference for my fellow VW "Do it yourselfers..." of this install.

I'm not a professional mechanic, so please use this for reference only.

1. Jack up the car, supported the car with jack stands, and remove the rear wheel.



2. Support the wheel arm with a floor jack, slowly lower the floor jack and remove the lower transverse link (lower control arm) bolt and nut at the wheel bearing housing. **Take care! The wheel arm is under tension of the spring. See fig 1**

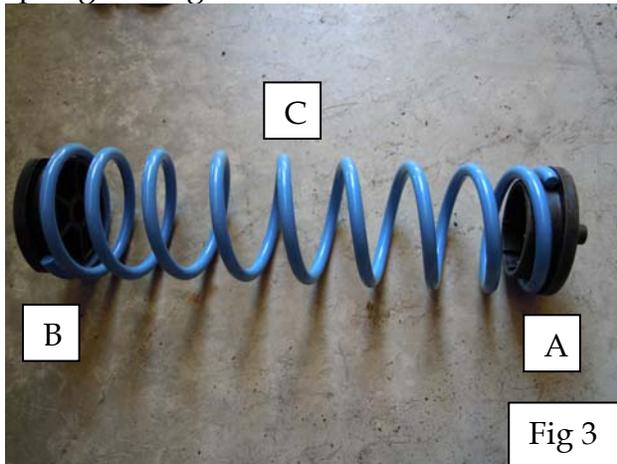


3. Remove the rear spring.

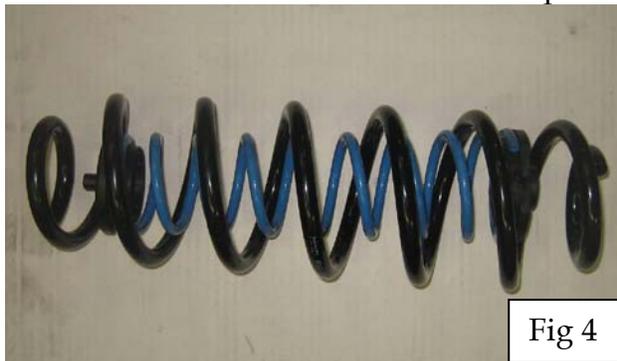
4. If mounted, remove the plastic cap in the lower control arm. See fig 2



5. Fit the upper spring seat **A** and lower spring seat **B** through the windings of the main spring. See fig 3



6. Turn the auxiliary spring **C** all the way into the main spring. Take care that the smallest diameter is mounted at the top. See Fig. 4



7. Fit the mainspring and the auxiliary spring kit.

8. Center spring seat **A** in the hole in the car body

9. Center spring seat **B** in the hole in the wheel arm.

10. Raise the rear lower control arm back up using the floor jack and fit the wheel arm bolt at the wheel side. Install new bolt and nut. Tighten at "curb weight position".

See fig. 5

It is recommend using new bolt and nut as they are torque to yield. Cheap insurance.

VW part numbers:

* Bolt = N-106-286-01

* Nut = N-101-064-02.

Torque spec is 66 ft lbs + 90 degrees (1/4 turn) or 90Nm +90 degrees (1/4 turn).



Fig 5

11. Fit the wheel and torque your lug nuts to 88 ft lbs or 120 Nm.
12. Repeat for the other side.
13. Adjust the headlight beams.