

90012

90013

VW AMAROK

Strut Fitting Guide

Please Note: This guide should be used in conjunction with the OE workshop manual.

NOTE: M10 & M12 Triple square drives & Torx drives are required to complete installation.

INSTALLATION PROCEDURE

1. Jack up the front of the car so the wheels are off the ground.
2. Remove the front wheels.
3. Remove the top sway bar bolt & loosen the lower as shown.



4. Remove the front brake caliper by undoing the 2 mounting bolts
5. Support the weight of the caliper so the brake line isn't stretched.
6. Disconnect the ABS sensor & remove the ABS sensor cable & brake line from the wheel hub bracket.



Note: Torx Drive require here.



OLD MAN EMU





4X4 SUSPENSION

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<p>7. Remove the disc retaining bolt and remove the disc.</p> <p><u>Note:</u> M10 Triple Square Drive require here.</p>			
<p>8. Disconnect the steering arm</p>			
<p>9. Remove the centre hub bolt.</p>			
<p>10. Remove the lower hub nut.</p>			








OLD MAN EMU 4X4 SUSPENSION

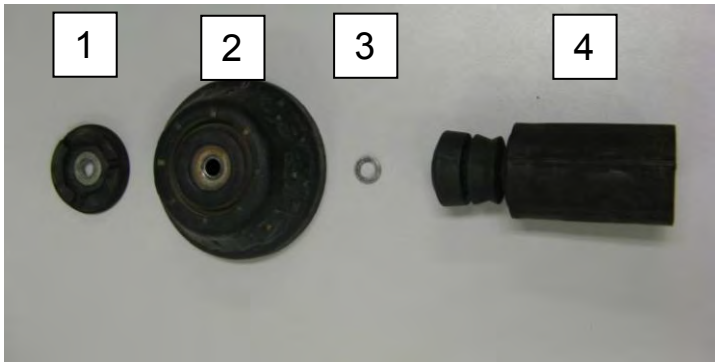


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<p>11. Remove the upper hub nut.</p> <p>12. With the aid of an assistant tap loose the upper and lower hub ball joints and remove the hub from the suspension arms & drive shaft.</p>			
<p>13. Remove the lower strut bolt.</p>			
<p>14. Loosen the top strut nut, but do not remove at this stage.</p>			
<p>15. Remove the triple square bolts securing the drive shaft.</p> <p><u>Note:</u> Rattle gun may be used for easier removal.</p>			
<p>16. With the aid of an assistant remove the previously loosened top strut nut which will allow the removal of the strut and drive shaft. Retain nut to be reused later.</p>			

<p>17. With the strut removed from the vehicle, disassemble using a spring compressor and retain the following parts for re-use with the new shock absorber.</p> <ol style="list-style-type: none"> 1. Top rubber washer 2. Top rubber spring retainer 3. Washer 4. Bump stop/dirt shield 	
<p>18. Fit the oe bump stop and top spring retainer to the new spring and shock.</p>	
<p>19. With the help of an assistant slip the strut and drive shaft into position.</p> <p>20. Fit the top rubber washer and nut to hold the strut in position finger tight.</p> <p>21. Re-install the triple square bolts with thread lock to hold the drive shaft in position & torque to manufacturer's specification.</p> <p>Note: Use thread lock as per manufacturers specification.</p>	

<p>22. Re-install the hub and secure in position using the lower ball joint nut & torque to manufacturer's specification.</p>	
<p>23. Install the lower strut bolt finger tight.</p>	
<p>24. Install the centre hub bolt & torque to manufacturer's specification.</p>	
<p>25. Install the steering arm nut & torque to manufacturer's specification.</p>	

<p>26. Install the brake disc and retaining bolt & torque to manufacturer's specification.</p>	
<p>27. Install the brake caliper & torque bolts to manufacturer's specification.</p>	
<p>28. Using a lever bar pull down the top arm and install the top ball joint nut. Torque to manufacturer's specification.</p>	
<p>29. Re-connect the abs sensor and brake line retainer bracket.</p>	




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30. Re-connect the sway bar bolt finger tight.			
31. Re-fit the wheels & torque to manufacturer's specification. 32. With the vehicle on the ground torque the top & bottom strut mounts & sway bar to manufacturer's specification.		