

KW automotive

INSTALLATION INSTRUCTIONS

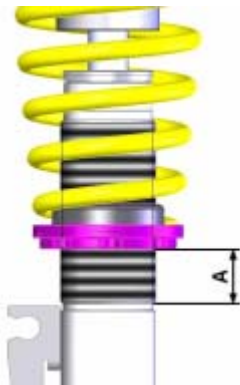
**Before you begin installation ,
please read the following carefully:**

- Ensure that the TUEV certificate matches the vehicle specifications (front vehicle identification number (VIN)) etc...
- The suspension components must match the suspensions application specifications (springs and shock/struts identification numbers).
- The instructions have to be strictly observed.

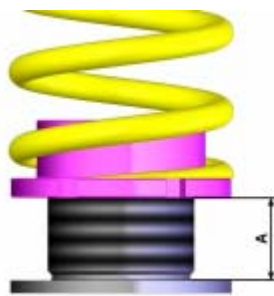


Technical data	<u>Coilover</u> part number ... 67 002			
Vehicle model	Volvo V40 / S40 type V		max. permissible front axle load: 960 kg	
	front axle		rear axle	
Spring signature	6503		6501	
Coilover strut / Shock absorber signature	650 1002		650 1102	
Approximate adjustment range* A in mm / inch	min:	max:	min:	max:
	14 mm / 0,55 inch	45 mm / 1,8 inch	25 mm / 1,0 inch	50 mm / 2,0 inch
Approximate wheel hub center to fender edge measurement** B in mm / inch	min:		min:	
	330 mm / 13,0 inch		320 mm / 12,6 inch	

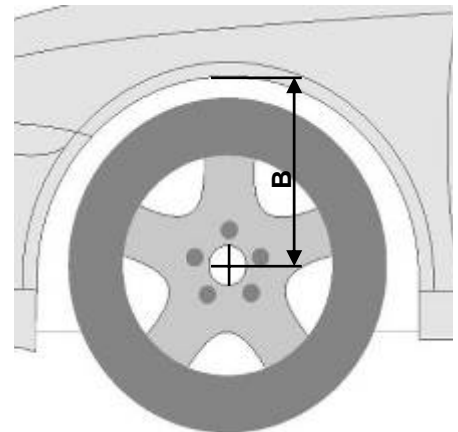
Calculating the adjustment range: (Photos are examples only)



Remaining thread measurement of Strut A



Remaining thread measurement A



Measurement B
Wheel hub center - fender edge

Please enter the adjusted height of the modified car into the list:

Coilover part no	Vehicle type	Measurement A		Wheel hub center to wheel arch Measurement B	
		Front	Rear	Front	Rear

* The remaining thread measurement is approximate and is only intended as a general guide. Actual results may vary due to various axle weights.

** **IMPORTANT:** The allowable measurement between wheel hub center and fender edge as indicated above, may not exceed this measurement when using standard fenders.

Front axle:

Basic version

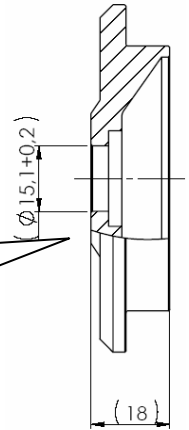
On this type of car, the supporting bearing of the front coilover was partly modified. Please check before the installation, if the supplied part kit suits your installed supporting bearing.



On this version, the axial bearing is integrated into the top mount, it just have to be put on the coilover strut or the supplied spring perch and screwed.

On this version, the spring perch is designed as shown on the picture.

Put up the original supporting bearing and fix it with the supplied stop nut. Tightening torque to 35Nm. Please take the information for the installation of the coilover strut into the vehicle from the documents of the vehicle manufacturer.



Modified version: If this version was mounted on your car, the spring perch and damper has been changed. In this case, please contact one of our service partners.

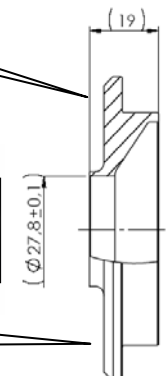


On the standard version, there is no axial bearing integrated into the original supporting bearing, this must be put between spring perch and top mount.

On this version, the spring perch is designed as shown on the picture.

KW 65030025

KW 66065001



After you have completed installation of the suspension, check the clearance of the tyres to the front suspension strut. The minimum clearance at the narrowest point is 5 mm and must, where necessary, be provided using commercially available, Technical Inspectorate (German TUEV) approved spacers.

Rear axle:



Supplied coilover strut with washer to reinforce the damper forces against the top mount. The original supporting disk is no longer used.

Install the factory top mount and secure it with the supplied nut. Tightening torque for the piston rod nut is 25 Nm (18 ft-lb). The strut unit has to be installed according to manufacturers recommended settings regarding tightening torque and fixing specifications.

