

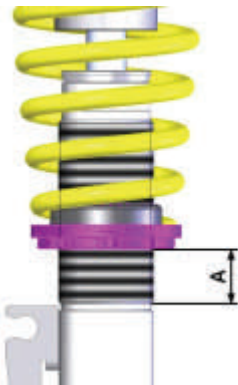


# INSTALLATION INSTRUCTIONS

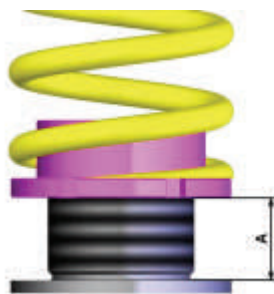


Technical data		Coilover part number ... 45 014			
Vehicle model	Subaru Impreza WRX STI from model 2005 Type GD,GG	max. permissible front axle load: 1030 kg			
	front axle	rear axle			
Spring signature	KW 20-60-80 / KW 80-170*		KW 4501		
Coilover strut / Shock absorber signature	450 1004		450 1104		
Approximate adjustment range* A in mm	min:	max:	min:	max:	
	25 mm / 1 inch	55 mm / 2,2 inch	50 mm / 2 inch	80 mm / 3,1 inch	
Approximate wheel hub center to fender edge measurement** B in mm	min:	max:	min:	max:	
	340 mm / 13,4 inch	370 mm / 14,6 inch	325 mm / 12,8 inch	355 mm / 14 inch	

Calculating the adjustment range: (Photos are examples only)



Remaining thread measurement of Strut A



Remaining thread measurement A



Measurement B  
Wheel hub center wheel arch

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

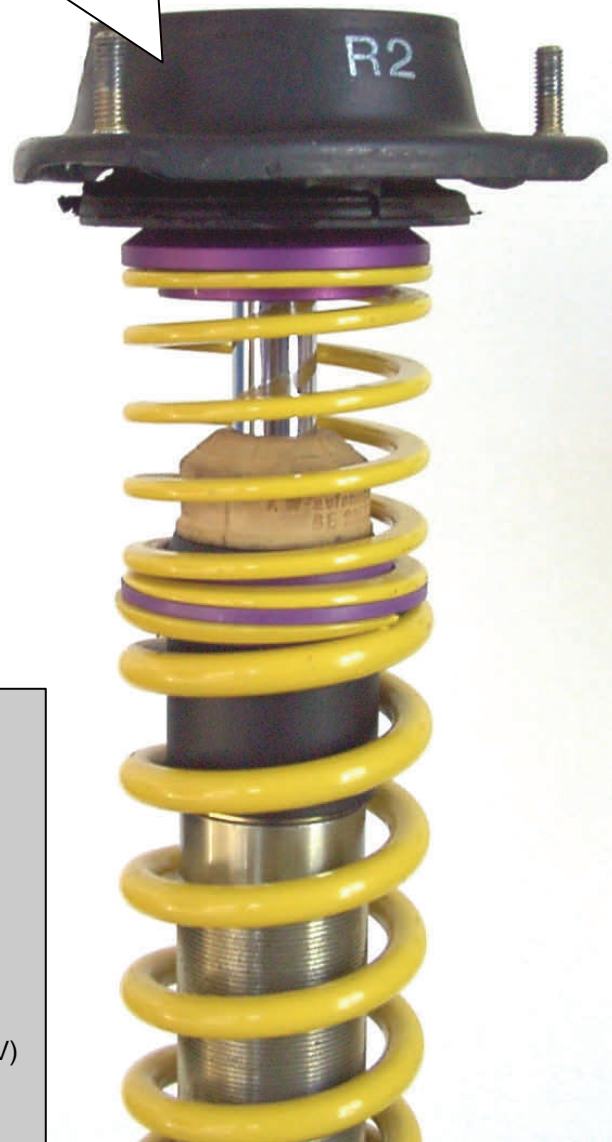
\* The remaining thread measurement is approximate and is only intended as a general guide. Actual results may vary due to various axle weights.

\*\* **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:

Supplied coilover strut with the original supporting disk, which has to be mounted between the spring perch and the supporting bearing.

Install the factory supporting bearing and fix it with the supplied stop nut. Tightening torque for the piston rod nut is 35 Nm (26 ft-lb). The strut unit has to be installed according to manufacturers recommended settings regarding tightening torque and fixing specifications.



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.

**Front axle:**



On damper versions with separate reservoirs, mount the reservoir facing the rear of the vehicle as shown on the picture.

## Rear axle:

Supplied coilover strut with spring perch.

Remove the original spring perch out of the supporting bearing it is not required.

Insert the original supporting bearing and mount it with the supplied stop nut. Tightening torque for the piston rod is 35 Nm (26 ft-lb). Please install the strut unit to manufacturers recommended settings regarding tightening torque and fixing specifications.



Please check after the installation of the coilover struts that the brake line during the compression is not touching the body. If necessary the brake line needs to be bended slightly next to the coilover strut to get the necessary clearance.

After you have completed installation of the suspension, check the clearance of the tyres to the rear 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:**

The upper end of the spring must show towards the left vehicle side.



On damper versions with separate reservoirs, mount the reservoir facing the rear of the vehicle as shown on the picture.