INSTALLATION INSTRUCTIONS

SOLO WERKS S1 Coilover Suspension
Toyota 86 / FRS / Subaru BRZ
Part Number: S1TY001 R1.0

Thank you for purchasing your new SOLO WERKS S1 Coilover suspension.

IMPORTANT PLEASE READ BEFORE BEGINNING INSTALLATION:

Please take a moment to review this installation process and verify that your kit is complete and all components have been received. If there are any questions during the process, contact us directly.

SOLO WERKS recommends that you have this kit installed by a qualified professional. Solo Werks or its authorized agents are not responsible for damage or failure resulting from an improper or modified installation. Do not use a pneumatic impact gun to torque the upper strut nut as damage may occur.

All suspension related components must be inspected and in good working condition. You should inspect all bushings, tie rods, hubs, bearings, strut mounts, sway bar end links, wheels, tires, etc. and replace if necessary.

This suspension system was designed to work best with the factory wheel/tire combination. Any deviations from these specifications could result in significantly altered handling characteristics and/or increased interference risk to other vehicle components.

SOLO WERKS TIP: ***Depending on the offset & size your wheels/tires, wheel spacers may be required for proper fitment.***

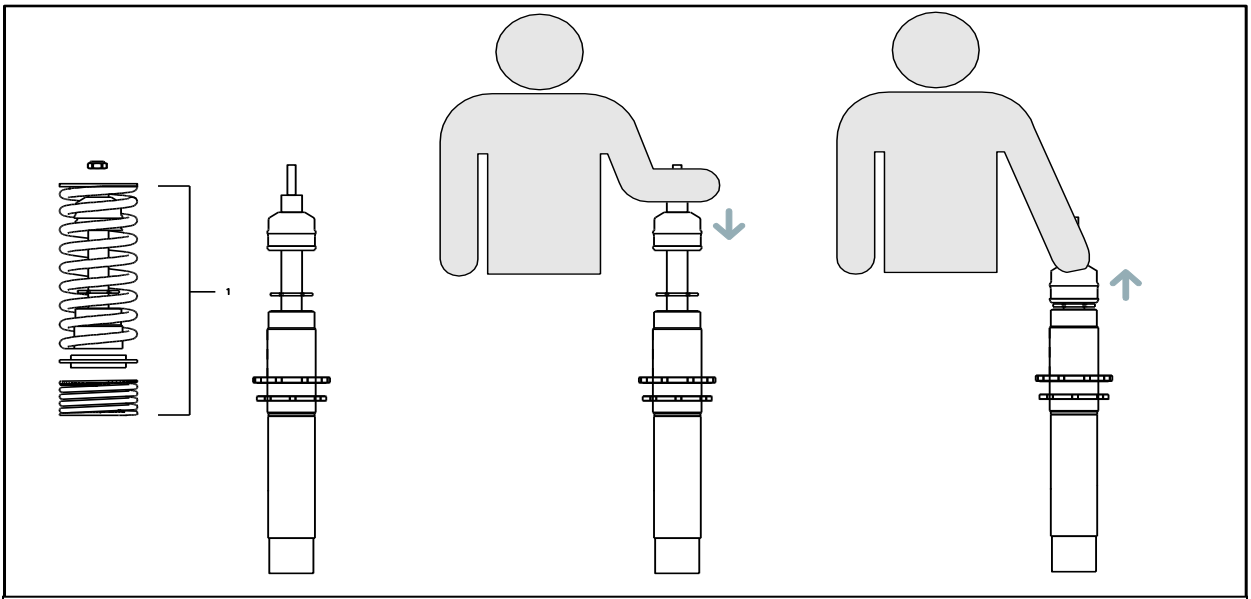
If suspension is lowered past the recommended measurements there can be possible interference with multiple vehicle components; (i.e. modification may be necessary to fender lips, seams etc.). This will also void your Solo Werks warranty.

After installing the suspension system, a four-wheel alignment must be performed according to manufacturer´s specifications. Check and reset load- dependent brake compensator, ABS system and headlight aim according to manufacturer´s specifications (If applicable).

ALL RUBBER- MOUNTED STRUT/ DAMPER ATTACH-MENTS MUST NOT BE FULLY TIGHTENED UNTIL **AFTER** THE SUSPENSION SYSTEM IS LOADED (WHEELS ON THE GROUND). OTHER MOUNTING FASTENERS (FOR EXAMPLE BRACKETS) MUST BE SECURELY TIGHTENED BEFORE LOAD IS PLACED ON THE SUSPENSION SYSTEM

Every effort has been made to avoid printing errors in our literature. However, if there are any application or specification errors or omissions we must disclaim responsibility.

Solo Werks Coilover Pre-Assembly – Priming the Dampers



SOLO WERKS TIP: ***As the suspension is shipped and stored in a horizontal position, it is advisable to exercise or Prime the shock absorber before you install them to ensure that the internal contents are in the correct chambers. Therefore, we advise that before you assemble the front coilover shock absorber, take a moment to purge the shock absorber.***

To do this, one side at a time remove the following from one of the front Coilover Assemblies (if equipped):

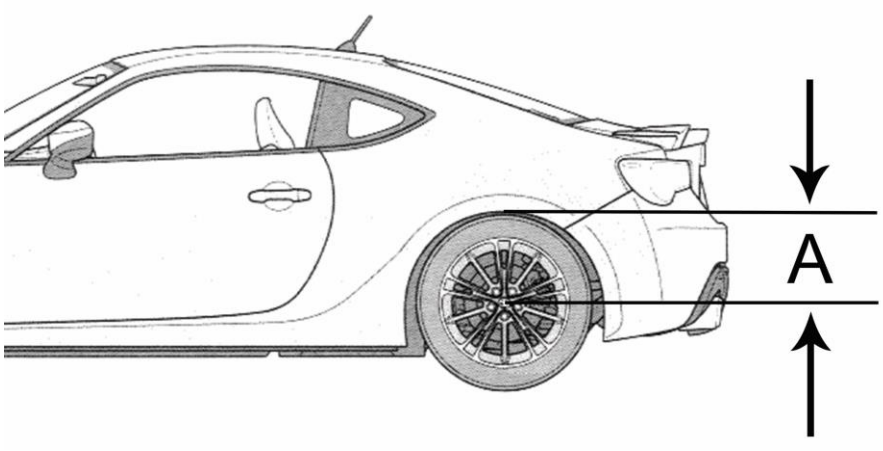
- ***Two Upper fasteners (lock nut and securing nut)***
- ***Upper Spring Perch***
- ***Main Spring***
- ***Spring Isolator***
- ***Helper Spring***

You will then be left with the coilover strut with the bumpstop and vent disc on the shaft. Pull the bumpstop up to the top of the chrome shock shaft, just before the threaded portion.

With the shock upright (as it would be installed in the vehicle) compress the shock shaft until the bump stop touches the shock housing, and then pull to extend the shock shaft back to full extension.

Repeat 3-5 time minimums. You will notice the shock forces getting progressively harder each time. Once they feel consistent each way, you are ready to install.

Solo Werks Coilover Final Details – Heights & Working Ranges



		Lowering Range			
		in mm		in Inch	
Model	Year	Front	Rear	Front	Rear
Toyota 86 / FRS / Subaru BRZ	2012+	20-50mm	20-50mm	.8"-2.0"	.8"-2.0"

Front Measurement					
Max low mm	Max low Inch	Max high mm	Max high Inch	OEM mm	OEM Inch
320mm	12.5"	348mm	13.7"	368mm	14.5"

Rear Measurement					
Max low mm	Max low Inch	Max high mm	Max high Inch	OEM mm	OEM Inch
320mm	12.5"	348mm	13.7"	368mm	14.5"

- These measurements are in place to allow both front and rear dampers to operate properly and allow for ample shock travel.
- All measurements will be referenced from “center of wheel hub to bottom lip of fender” (see example figure “A”)
- Using this system outside of this range can cause premature failure and is cause to void your manufacturer specified warranty.
- Helper springs are intended to keep preload on the main spring under full suspension extension, do not remove!

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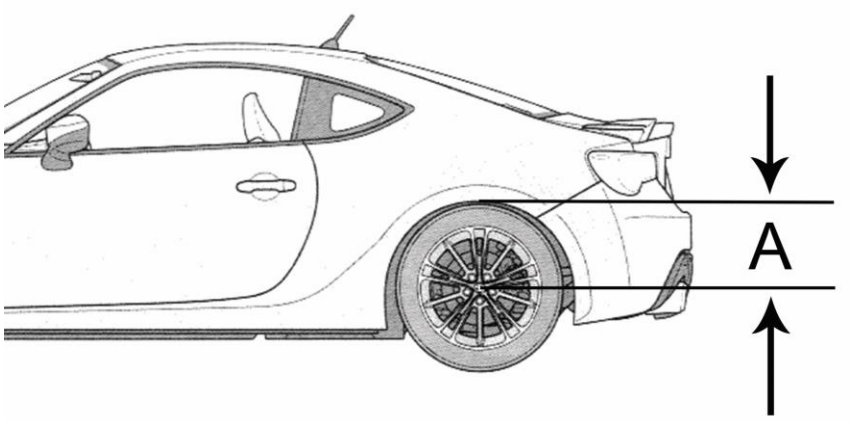
My Setup - Heights & Working Ranges



Use this page to record your setup heights for easy future reference

Front Measurement						
Date	Max low mm	Max low Inch	Max high mm	Max high Inch	OEM mm	OEM Inch
Solo Spec	320mm	12.5"	348mm	13.7"	368mm	14.5"

Rear Measurement						
Date	Max low mm	Max low Inch	Max high mm	Max high Inch	OEM mm	OEM Inch
Solo Spec	320mm	12.5"	348mm	13.7"	368mm	14.5"