

Additional application for the DAMPER ZZ-R Spec DSC Plus has been confirmed for the SUBARU WRX S4 (VBH)

DAMPER ZZ-R Spec DSC Plus

Coil-over suspensions kit with electronically adjustable damping force. Wide range adjustability can finely balance driving performance and ride quality to meet your needs from the street to the circuit.



Front : 39mm Down / Rear : 30mm Down

[Click here for further information on DAMPER ZZ-R Spec DSC PLUS](#)

(Vehicle)	(Model Year)	(Model)	(Engine Model)	(Code No.)	(JAN Code)
SUBARU					
WRX S4	2023/10-	VBH	FA24	98596	4959094985969

[Click here for price and availability](#)

Product Description

- Industry first Full Auto Mode is able to automatically adjust the damping force depending on how the vehicle's balance changes depending on variables such as road condition and number of passengers.
- The UP/Down switch has been enlarged and an additional rotary switch has been employed to make complex operations easier.
- The damping force can be easily adjusted from a controller inside your vehicle (Choose from 96/64/32 levels of adjustment). By utilizing a stepping motor, a maximum of 96 levels of adjustment is possible to finely tune the vehicle setup for your desired ride quality.
- During map control mode, variables such as rotational G, acceleration G, and vehicle speed are taken into account when automatically adjusting the damping force. G can be displayed in real time and its peak value can be shown as well.
- Total of 22 presets can be saved. The ADVANCED mode allows complex and detailed management of the damping force.
- With the separately sold GPS sensor kit, the vehicle speed can be easily inputted.

Product Specification		
	Front	Rear
Length Adjustment	○	○
Shock Absorber Structure	Coilovers	Coilovers
Upright or Inverted	Upright	Upright
Upper Mount	Reinforced Rubber	Reinforced Rubber
Spring Rate kgf/mm	6.0	5.0
Free Length of Spring mm	180	220
Spring Type※	ST	ST
Length Adjustment	-65 ~ 0	-40 ~ 0



■Remarks : Interior trip above rear shock absorber must be modified. STI Sport R EX Only. STI Sport Unchecked.

※Abbreviation for Spring Types 「ST:ID62 Straight Spring」, 「BS:Barrel or Tapered, Vehicle Specific Springs」

※Adjustability in ride height may vary between vehicles.

Optional Parts			
Product Name	Code No.	Remarks	
DSC PLUS Vehicle Specific Set TYPE-A	15236	Upgrade to the DSC Plus with the vehicle specific set	
DSC PLUS GPS Sensor Kit	15214	Easily input speed	
DSC PLUS Remote Switch	15219	Separate switch to change modes	

DAMPER ZZ-R Spec & Vehicle Information



Data taken from in house measurements. Measurements for the vehicle height may differ depending on the vehicle's grade and options. The distance from the ground to fender may differ even when your vehicle is set at the same measurements as the test vehicle. Please use the following data as a reference and adjust your vehicle height accordingly.

メーカー (Manufacturer)	車名 (Vehicle Name)	型式 (Model)	年式 (Model Year)	グレード (Grade)
SUBARU	WRX S4	VBH	2024年2月	STI Sport R EX

確認車両情報		フロント (Front)	リア (Rear)	備考 (Remarks)
車両情報 (Vehicle Information)	車重(kg) (Vehicle Weight)	1630		
	軸重(kg) (Axle Weight)	990	640	
	タイヤサイズ (Tire Size)	245/40 R18	245/40 R18	
	ホイールサイズ (Wheel Size)	18inch 8.5J Inset55	18inch 8.5J Inset55	
	レバー比 (Lever Ratio)	1.0	1.0	
アライメントデータ (Alignment Data)	トー (Toe)	+0°03'	-0°01'	
	キャンバー (Camber)	-0°35'	-2°16'	
	キャスター (Caster)	+5°41'	-	

DAMPER ZZ-R Spec.		フロント (Front)	リア (Rear)	備考 (Remarks)
DAMPER ZZ-R 仕様(Spec.)	スプリングレート(kgf/mm) (Spring Rate)	6.0	5.0	
	スプリング自由長(mm) (Free Length of Spring)	180	220	
	スプリング内径(mm) (Spring Inner Diameter)	φ62	φ62	
	減衰力調整段数 (Damping force Adjustment)	1段 ~ 32段 (HARD) (SOFT)	1段 ~ 32段 (HARD) (SOFT)	DSC Plus装着時 32,64,96段へ変更可能
	地面〜フェンダー(mm) (Ground~Fender)	657	660	
	基準車高(mm) (Difference from Stock)	-39	-30	
	車高調整範囲(mm) (Height Adjustment Range)	-65 ~ 0	-40 ~ 0	
	最低地上高(mm) (Minimum Ground Clearance)	96mm (マフラータイコ)		

初めてご使用される際の推奨減衰力 (Recommended Damping force)	20段	24段	左記に記載の減衰に合わせて てからご使用ください
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※Product shipped at damping force of 16. Turn the dial all the way to the right for level 1 which is the hardest.
 ※During installation turn the dial all the way to the right and then make adjustment towards the left accordingly.

Product Description

- Vehicle specific warning canceller is included in the kit.
- Cornering performance has been improved by lowering the center of gravity.
- Increase the damping force for better stability during higher speeds.
- Make adjustments to the damping force to optimize ride quality depending on number of passenger and road condition.
- The suspension has been made to allow sufficient bump and rebound stroke for optimal ride comfort.
- For vehicles above 80km/h increase the damping force by 4~6 clicks to improve vehicle stability.