

Additional applications for the DAMPER ZZ-R BB Spec DSC Plus has been confirmed
Toyota 86/86GR/86GR SPORT/GR86 Subaru BRZ (ZN6/ZN8/ZC6/ZD8)

減衰革命

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 : -30mm Down / Rear : -37mm Down

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

(Vehicle)	(Model Year)	(Model)	(E/G Model)	(MSRP w/tax)	(MSRP)	(Code No.)	(JAN Code)
TOYOTA							
86	2012/04-2021/10	ZN6	FA20	¥327,800-	¥298,000-	98208	4959094982081
86 GR	2017/12-2021/10	ZN6	FA20				
86 GR SPORT	2018/07-2021/10	ZN6	FA20				
GR86	2021/10-	ZN8	FA24				
SUBARU							
BRZ	2012/03-2021/08	ZC6	FA20	¥327,800-	¥298,000-	98208	4959094982081
		2021/08-	ZD8				

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 Information		
	Front	Rear
Length Adjustment	32 Levels	32 Levels
Shock Absorber Structure	○	○
Upright or Inverted	Coilovers	Coilovers
Upper Mount	Upright	Upright
Spring Rate kgf/mm	Adjustable Pillow Ball	Adjustable Pillow Ball
Free Length of Spring mm	8.0	7.0
Spring Type	135	150
Length Adjustment (mm)	ST	ST
Length Adjustment	-70 ~ -15	-75 ~ -25



■ Remarks : AT/MT compatible. The trunk side panels must be drilled for proper installation.

The tire and inner fender may come in contact when lowering the vehicle. The shock absorber may emit some noise since it utilizes a pillow upper mount.

Optional Parts					
Product Name	Code No.	MSRP w/tax	MSRP	Remarks	
DSC PLUS Vehicle Specific Set TYPE-C	15238	¥85,800	¥78,000	Upgrade to the DSC Plus with the vehicle specific set	
DSC PLUS GPS Sensor Kit	15214	¥11,000	¥10,000	Easily Input Vehicle Speed	
DSC PLUS Remote Switch	15219	¥3,300	¥3,000	Conveniently Switch 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)
TOYOTA	GR86	ZN8	2021/11-	RZ

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)	1290		
	軸重(kg) (Axle Weight)	720	570	
	タイヤサイズ (Tire Size)	235/40R18	235/40R18	
	ホイールサイズ (Wheel Size)	18inch 8.5J Inset45	18inch 8.5J Inset45	
	レバー比 (Lever Ratio)	1.0	1.1	
アライメントデータ (Alignment Data)	トー (Toe)	-0°03'	+0°06'	
	キャンバー (Camber)	-2°36'	-2°41'	
	キャスター (Caster)	+5°58'	-	

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)	8.0	7.0	
	スプリング自由長(mm) (Free Length of Spring)	135	150	
	スプリング内径(mm) (Spring Inner Diameter)	Φ62	Φ62	
	減衰力調整段数 (Damping force Adjustment)	1~32段	1~32段	DSC Plus装着時 32,64,96段へ変更可能
	テスト時減衰力 (Tested Damping force)	16段	16段	
	地面~フェンダー(mm) (Ground~Fender)	650	645	
	基準車高(mm) (Difference from Stock)	-30	-37	
	車高調整範囲(mm) (Height Adjustment Range)	-70~-15	-75~-25	
	最低地上高(mm) (Minimum Ground Clearance)	100mm (リアメンバー下マフラーパイプ)		

Product Description

- Camber can be adjusted with the pillow ball front mount.
- Rear upper mount utilizes a fixed pillow upper mount.
- The spring rate has been increased from the DAMPER ZZ-R. Body roll has been minimized for daily driving and for the circuit.
- Adjustable front stabilizer links are included for proper installation during different ride heights.
- Make adjustments to the damping force to optimize ride quality depending on number of passenger and road condition.
- Increase the damping force by 4 clicks to improve stability at speeds over 80km/h.