

Additional application for the DAMPER ZZ-R Spec DSC Plus has been confirmed for the TOYOTA CROWN ESTATE (AZSH39W)

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 : 25mm Down / Rear : 36mm Down

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

(Vehicle)	(Model Year)	(Model)	(Engine Model)	(Code No.)	(JAN Code)
TOYOTA					
CROWN ESTATE	2025/03-	AZSH39W	A25A-5NM-4NM	98685	4959094986850

[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	Product Specification	
	Front	Rear
Length Adjustment	○	○
Shock Absorber Structure	Coilovers	Separate
Upright or Inverted	Upright	Upright
Upper Mount	Reinforced Rubber	Reinforced Rubber
Spring Rate kgf/mm	7.0	9.0
Free Length of Spring mm	235	260
Spring Type※	BS	BS
Length Adjustment	-65 ~ 0	-60 ~ -10



※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)
TOYOTA	CROWN ESTATE	AZSH39W	2025年5月	RS

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)	2090		
	軸重(kg) (Axle Weight)	1160	930	
	タイヤサイズ (Tire Size)	235/45 R21	235/45 R21	
	ホイールサイズ (Wheel Size)	21inch 8.5J Inset35	21inch 8.5J Inset35	
	レバー比 (Lever Ratio)	1.2	1.6	
アライメントデータ (Alignment Data)	トー (Toe)	+0°02'	-0°01'	
	キャンバー (Camber)	-1°10'	-1°40'	
	キャスター (Caster)	+4°56'	-	

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)	7.0	9.0	
	スプリング自由長(mm) (Free Length of Spring)	235	260	
	スプリング内径(mm) (Spring Inner Diameter)	φ62 - (φ115) - φ62	φ62 - (φ115) - 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)	770	769	
	基準車高(mm) (Difference from Stock)	-25	-36	
	車高調整範囲(mm) (Height Adjustment Range)	-65 ~ 0	-60 ~ -10	
	最低地上高(mm) (Minimum Ground Clearance)	125mm (燃料タンク固定ブラケット)		

初めてご使用される際の推奨減衰力 (Recommended Damping force)	26段	20段	左記に記載の減衰に合わせて 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

- The front and rear ride height has been balanced.
- Lower the center of gravity to limit body roll and enhance cornering performance.
- Increase the damping force for greater stability at higher speeds.
- Make adjustments to the damping force to optimize ride quality depending on number of passenger and road condition.
- Increase the damping force by 4~6 click for speeds above 80km/h to improve vehicle stability.