

Additional applications for the DAMPER ZZ-R has been confirmed for the TOYOTA CROWN ESTATE (AZSH39W)

DAMPER ZZ-R

Suspension Kit equipped with Full Length Adjustability and 32 Levels of Damping Force Adjustments. Wide range adjustability can finely balance driving performance and ride quality to meet your needs from the street to the circuit

[Click here for further details on DAMPER ZZ-R](#)



Front : 25mm Down / Rear : 36mm Down

(Vehicle)	(Model Year)	(Model)	(Engine Model)	(Code No.)	(JAN Code)
TOYOTA					
CROWN ESTATE	2025/03-	AZSH39W	A25A-5NM-4NM	92685	4959094926856

Product Description

[Click here for price and availability](#)

- Mono-tube adjustable coil over suspension kit.
- Employs 32 levels of damping force adjustability.
- Compatible with a wide range a circumstance from the street to the circuit.
- Aluminum upper mount, lock seat, and brackets have been utilized to maximize strength while minimizing weight.
- φ44 Mono-tube structure allows a fine balance of structural rigidity and smooth ride quality.

Product Specification		
	Front	Rear
Damping Force Adjustability	32 Levels	32 Levels
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
Ride Height Adjustability mm	-65 ~ 0	-60 ~ -10



- Remarks : Rear damping force located inside wheel well.

※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

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
- By installing the Optional DSC PLUS vehicle specific kit, the damping force can be easily adjusted from inside the vehicle.
- DAMPER ZZ-R L is currently under development.