

Additional applications for the DAMPER ZZ-R has been confirmed for the Toyota Noah (Hybrid)/ Voxy (Hybrid ) (MZRA90W/ZWR90W)



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 : -36mm Down / Rear : -39mm Down

(Vehicle)	(Model Year)	(Model)	(E/G Model)	(MSRP w/tax)	(MSRP)	(Code No.)	(JAN Code)
TOYOTA							
VOXY	2022/01-	MZRA90W	2ZR	¥220,000-	¥200,000-	92603	4959094926030
VOXY HYBRID		ZWR90W	M20A-FKS				
NOAH		MZRA90W	2ZR				
NOAH HYBRID		ZWR90W	M20A-FKS				

**Product Description**

- 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	6.0	5.5
Free Length of Spring mm	220	215
Spring Type※	ST	BS
Ride Height Adjustability mm	-65 ~ 0	-55 ~ -5



■ Remarks: 2WD Only. Unchecked with welcab.

※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.	MSRP w/tax	MSRP	Remarks
DSC PLUS Vehicle Specific Set TYPE-G	15242	¥86,460	¥78,600	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	VOXY HYBRID	ZWR90W	2022年3月	S-Z

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)	1700		
	軸重(kg) (Axle Weight)	970	730	
	タイヤサイズ (Tire Size)	205/55R17	205/55R17	
	ホイールサイズ (Wheel Size)	17inch 6.0J Inset40	17inch 6.0J Inset40	
	レバー比 (Lever Ratio)	1.0	1.2	
アライメントデータ (Alignment Data)	トー (Toe)	+0°05'	+0°21'	
	キャンバー (Camber)	-1°02'	-1°14'	
	キャスター (Caster)	+6°59'	-	

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	5.5	
	スプリング自由長(mm) (Free Length of Spring)	220	215	
	スプリング内径(mm) (Spring Inner Diameter)	Φ62	Φ54 -(Φ130)- Φ78.5	
	減衰力調整段数 (Damping force Adjustment)	1~32段	1~32段	
	テスト時減衰力 (Tested Damping force)	16段	16段	
	地面~フェンダー(mm) (Ground~Fender)	676	677	
	基準車高(mm) (Difference from Stock)	-36	-39	
	車高調整範囲(mm) (Height Adjustment Range)	-65 ~ 0	-55 ~ -5	
	最低地上高(mm) (Minimum Ground Clearance)	122mm (フロントメンバー中央)		

## Product Description

- Body roll has been limited for improved cornering performance.
- The suspension has been made to allow sufficient bump and rebound stroke for optimal ride comfort.
- Lower your vehicle for a stylish look.
- Make adjustments to the damping force to optimize ride quality depending on number of passenger and road condition.
- By installing the optimal DSC PLUS, the damping force can be controlled from inside the vehicle.