

Additional applications for the DAMPER ZZ-R have been confirmed for the TOYOTA VOXY(HYBRID)/NOAH(HYBRID) (ZRR80G(W)/ZWR80G(W))



Front : 35mm Down / Rear : 46mm Down

(Vehicle)	(Model Year)	(Model)	(E/G Model)	(Code No.)	(JAN Code)
TOYOTA					
VOXY	2014/01-2022/01	ZRR80G,ZRR80W	3ZR-FAE	92641	4959094926412
VOXY G's	2016/04-	ZRR80W	3ZR-FAE		
VOXY GR SPORT	2017/09-	ZRR80W	3ZR-FAE		
VOXY HYBRID	2014/02-2022/01	ZWR80G,ZWR80W	2ZR-5JM		
ESQUIRE	2014/10-2022/01	ZRR80G	3ZR-FAE		
ESQUIRE HYBRID	2014/10-2022/01	ZWR80G	2ZR-5JM		
NOAH	2014/01-2022/01	ZRR80G,ZRR80W	3ZR-FAE		
NOAH G's	2016/04-	ZRR80W	3ZR-FAE		
NOAH GR SPORT	2017/09-	ZRR80W	3ZR-FAE		
NOAH HYBRID	2014/02-2022/01	ZWR80G,ZWR80W	2ZR-5JM		

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	Stock
Spring Rate kgf/mm	5.5	6.0
Free Length of Spring mm	230	180
Spring Type※	ST	BS
Ride Height Adjustability mm	-75 ~ 0	-65 ~ -25



■ Remarks : 2WD Only. Unchecked with Well-Cab. Information on ride height from ZRR80W (VOXY).  
※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-G	15242	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	ZRR80W	2020年11月	ZS煌Ⅲ

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)	1610		
	軸重(kg) (Axle Weight)	920	690	
	タイヤサイズ (Tire Size)	205/60 R16	205/60 R16	
	ホイールサイズ (Wheel Size)	16inch 6.0J Inset50	16inch 6.0J Inset50	
	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°04'	
	キャンバー (Camber)	-0°43'	-3°12'	
	キャスター (Caster)	+5°17'	-	

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)	5.5	6.0	
	スプリング自由長(mm) (Free Length of Spring)	230	180	
	スプリング内径(mm) (Spring Inner Diameter)	φ62	φ62 - (φ115) - 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
	地面～フェンダー(mm) (Ground～Fender)	665	667	
	基準車高(mm) (Difference from Stock)	-35	-46	
	車高調整範囲(mm) (Height Adjustment Range)	-75 ～ 0	-65 ～ -25	
	最低地上高(mm) (Minimum Ground Clearance)	110mm (2個目マフラータイコ前側)		
初めてご使用される際の推奨減衰力 (Recommended Damping force)		22段	24段	左記に記載の減衰に合わせ てからご使用ください

※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

- Body roll has been limited for improved cornering performance.
- 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.
- Rear suspension optimized for comfortable ride quality for 2<sup>nd</sup> and 3<sup>rd</sup> row seats.
- The ride height has been adjusted to make the vehicle silhouette look flatter.
- Increase the damping force by 4~6 clicks when traveling at speed higher than 80km for a more stable ride.