

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



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 : 35mm Down / Rear : 46mm Down

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

(Vehicle)	(Model Year)	(Model)	(E/G Model)	(Code No.)	(JAN Code)
TOYOTA					
VOXY	2014/01-2022/01	ZRR80G,ZRR80W	3ZR-FAE	98641	4959094986416
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

- 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		
	Front	Rear
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
Length Adjustment	-75 ~ 0	-65 ~ -25



■Remarks : 2WD Only. Unchecked with Well-Cab. Information on ride height from ZRR80W (VOXY). Interior trim must be modified to install rear motor.
※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
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	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 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 2nd and 3rd 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.