

Additional applications for the DAMPER ZZ-R SpecDSC Plus Lift Up Version has been confirmed for the TOYOTA RAV4 Adventure "OFFROAD package" (MXAA54)



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 : +29mm(1.1in) Up / Rear : +26mm(1.0in) Up

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

(Vehicle)	(Model Year)	(Model)	(E/G Model)	(Code No.)	(JAN Code)
TOYOTA					
RAV4	2020/10-	MXAA54	M20A-FKS	98567	4959094985679

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	6.0
Free Length of Spring mm	220	300
Spring Type※	BS	BS
Length Adjustment (mm)	0 ~ +35	0 ~ +45



■Remarks : Lift up model.

※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	Vehicle speed can be easily inputted
DSC PLUS Remote Switch	15219	Allows you to conveniently switch settings.

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	RAV4	MXAA54	2023年5月	Adventure "OFFROAD package II"

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)	1620		
	軸重(kg) (Axle Weight)	930	690	
	タイヤサイズ (Tire Size)	225/60 R18	225/60 R18	
	ホイールサイズ (Wheel Size)	18inch 7J Inset35	18inch 7J Inset35	
	レバー比 (Lever Ratio)	1.1	1.2	
アライメントデータ (Alignment Data)	トー (Toe)	+0°02'	+0°09'	
	キャンバー (Camber)	-0°44'	-1°01'	
	キャスター (Caster)	+4°27'	-	

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	6.0	
	スプリング自由長(mm) (Free Length of Spring)	220	300	
	スプリング内径(mm) (Spring Inner Diameter)	φ62 - (φ104) - 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
	テスト時減衰力 (Tested Damping force)	16段	16段	
	地面〜フェンダー(mm) (Ground~Fender)	848	849	
	基準車高(mm) (Difference from Stock)	+29	+26	
	車高調整範囲(mm) (Height Adjustment Range)	0 ~ +35	0 ~ +45	
	最低地上高(mm) (Minimum Ground Clearance)	222mm (アンダーパネル固定ボルト)		

Product Description

- Damper ZZ-R Lift Up version.
- Raise the height of your vehicle for a powerful look.
- The spring rate has been refined to be comfortable even after lifting the vehicle.
- The damping force has set to maintain vehicle stability and comfort even during high 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 clicks when driving over 80km/h to increase high speed stability.