

Additional applications for the DAMPER ZZ-R has been confirmed for the Toyota RAV4 (4WD Gasoline Model)



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](#)



(Vehicle)	(Model Year)	(Model)	(E/G Model)	(MSRP w/tax)	(MSRP)	(Code No.)	(JAN Code)
TOYOTA							
RAV4	2019/04-	MXAA54	M20A-FKS	¥198,000	¥180,000	92567	4959094925675

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.
- Compatible with DSC PLUS.

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	6.0
Free Length of Spring mm	220	300
Spring Type※	BS	BS
Damping Force Adjustability	0 ~ +55	+15 ~ +60



■ Remarks : Confirmed with Hybrid 2WD. Untested with Gasoline 2WD

※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-A	15236	¥66,000	¥60,000	Upgrade to the DSC Plus with the vehicle specific set

Information on Verification Test Vehicle

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.

DAMPER仕様・車両情報 (DAMPER specification, vehicle information)		
	スプリングデータ (Spring Data)	
スプリングバネレート[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【】は外径 (Spring Inner Diameter 【Outer】)	φ 62 - (φ 104) - φ 62	φ 62 - (φ 115) - φ 62
	減衰力データ (Damping Force Data)	
減衰力調整 [開発時減衰] (Damping force adjustment)	32 [16]	32 [16]
	セッティングデータ (Damping Force Data)	
地面～フェンダー[mm] (Ground～Fender [mm])	859	854
基準車高[mm] (Difference from Stock [mm])	+48	+42
最大車高調整範囲[mm] (Maximum height adjustment range [mm])	0 ~ +55	+15 ~ +60
レバー比 (Lever Ratio)	1.0	ショック:0.9 スプリング:1.2 (Shock Absorber) (Spring)
	テスト車両情報 (Test vehicle information)	
車名/型式/グレード (Vehicle Name/Model/Grade)	RAV4 / MXAA54 / Adventure	
	フロント (Front)	リア (Rear)
車重[kg] (Vehicle Weight)	950	700
タイヤサイズ (Tire Size)	265/65 R17	265/65 R17
ホイールサイズ (Wheel Size)	17インチ × 7.0J インセット 32 (INCHES) (INSET)	17インチ × 7.0J インセット 32 (INCHES) (INSET)
	アライメントデータ (Alignment Data)	
トー [純正值] (Toe [Stock Measurements])	-0° 02' [2.5 ± 2.0mm]	-0° 01' [2.6 ± 2.0mm]
キャンバー [純正值] (Camber [Stock Measurements])	-0° 39' [-0° 20' ± 0° 45']	-1° 26' [-1° 05' ± 0° 45']
キャスター [純正值] (Caster [Stock Measurements])	+4° 44' [+5° 00' ± 0° 45']	-
	最低地上高データ (Vehicle Height Data)	
最低地上高場所 [数値mm] (Minimum ground elevation [Numerical data mm])	燃料タンク下マフラーパイプ [236mm]	

■ Precautions During Installation

- Rear damping force adjustment dials are located inside the wheel well.
- If you adjust the rear shock absorbers beyond the designated range, there is a possibility that the brake line may break.