

# MAX IV SP

## for FK8 CIVIC TYPE-R

**Sports type suspension design based on MAX IV GT for high-grip radial tires which can also be used on circuit**



Mono Tube	Inverted Type (Front)	30-way Adjustable Damping	Shock-body Length Adjustable	Special Oil	PNE Coating
Aluminum Bracket	Pillow Upper Mount	Adjustable Camber (Front)	Spec. Change Available	Overhaul Available	1 Year Warranty

### ■ Features

- Suitable damper setting reduces unnecessary movement in sports use, which also improves drivability and creates more grips on tires with fast response in cornering. Increasing the spring rate reduces the body roll, and the single tube inverted type provides sharp and direct handling.
- The camber adjustable pillow upper for the front side and original upper mount design for the rear side.
- The separated type of spring for the rear side utilizes the direct coil spring with selected rate.
- Error canceller is available as an optional part. This cancels the error message that appears when the stock suspension is removed.

### ■ Kit Parts & Damper Structure

Parts List			Suspension Components		
	Front Suspension Assy	2	<b>FRONT</b>		
	Rear Shock Absorber Assy	2	<b>REAR</b>		
	Rear Spring	2	SPHERICAL NUT Torque Spec: 40(N·m)		
	Rear Ride Height Adjuster Assy	2	UPPER MOUNT ASSY		
	Helper Spring	2	SPHERICAL COLLAR		
	Spring Seal	2	RETAINER SPRING		
	Upper Seat	2	DUST BOOT		
	Lower Seat	2	SPRING		
	Tie Wrap	8	SPRING SEAT		
	Guide Bolt	2	HELPER SPRING		
	Washer	2	RIDE HEIGHT ADJUSTER LOCKING SPRING Torque Spec: 50(N·m)		
	Align Wrench	1	DIAL STOP PLATE Must work to seal the side of the upper damper. (Obtain with agreement from the stock set fitting.)		
	Dial	2	C-RING		
	Spacer Wrench (Small)	1	SHOCK SLIDER		
	Spacer Wrench (Large)	1	LOCKING BRACKET Torque Spec: 50(N·m)		
	Warranty Certificate	1	UPPER SEAT ATTACH PARTS		
	Installation Guide	1	HELPER SPRING ATTACH PARTS		
			REAR SPRING ATTACH PARTS		
			RIGID HEIGHT ADJUSTER ATTACH PARTS		
			LOCKING SPRING ATTACH PARTS		
			LOWER SEATING PARTS		

CODE NO.	PRODUCT	PRICE	REMARKS
80250-AH003	MAXIVSP CIVIC TYPE-R(FK8) FULL KIT		To be released in June, 2018
80250-AH003C	MAXIVSP CIVIC TYPE-R(FK8) FULL KIT With Error Cancellor		To be released in July, 2018
45012-AH001	Suspension Error Cancellor Type-H for CIVIC TYPE-R (FK8)		To be released in July, 2018

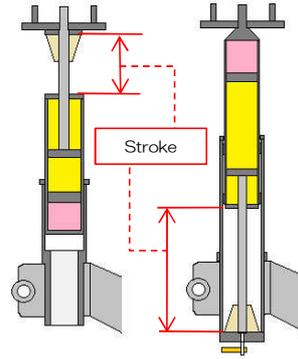
VEHICLE	MODEL	ENGINE	YEAR	SPRING RATE [N/mm (kgf/mm)]	FREE LENGTH	VEHICLE'S HEIGHT Default(High-Low)	UPPER MOUNT
CIVIC TYPE-R	FK8	K20C	17/9~	F=118(12) R=98(10)	150(Straight) /150(Straight)	F=-23(-15 - -38) R=-26(-7 - -50)	F=Pillow R=Pillow

UPPER MOUNT CHANGE BEFORE SHIPMENT	SPRING RATE CHANGE BEFORE SHIPMENT	REMARKS
N/A	F=Available R=Available	※ CEL comes on if the stock suspension is removed. CEL can be canceled by an error canceller that is available separately. This product is compatible only with Civic Type R.

## ■ Features of MAX IV SP for New Civic Type R



● **Front: Single Tube Inverted Type**  
For the front side, instead of the shock body length adjustable type, inserting the cylinder into the knuckle insertion achieves high rigidity and secures the stroke quantity that cannot be provided by a shock body length adjustable type. A high level of ride quality and handling are provided.



Shock Body Length Adjustable Type

MAXIVGT



● **Rear: Single Tube Shock Body Length Adjustable Type**  
High-strength billet aluminum bracket reduces the unsprung weight. This single tube shock absorber with a large-diameter piston provides comfortable riding quality without unpleasant upthrust feeling.



● Camber adjustable pillow upper is installed to the front side. The camber can be adjusted according to the tire size and/or driving conditions.



● High rigidity single tube inverted type is utilized for the front side to support sufficiently its weight and large bending load that is caused during acceleration, deceleration, and/or turning. It delivers outstanding durability that was achieved through our continued



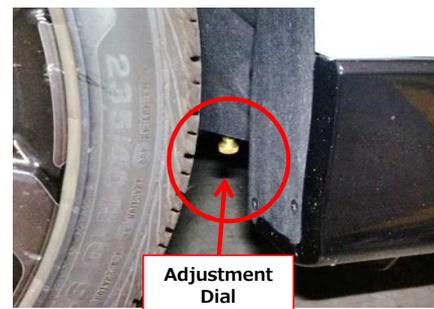
● The error message comes on when the stock suspension is removed. It can be canceled by installing an error canceller.



● The rear side is equipped with HKS original upper and high-strength billet aluminum bracket. Because of the way the force travels through the upper mount is different from stock suspension; other products that utilize stock upper mount are prone to develop noises overtime and malfunction. HKS uses a specially designed billet aluminum upper mount to ensure product quality and customer safety.



● The adjuster for the rear ID 65mm barrel spring allows the spring rate change which is usually impossible with the specially-developed spring. In addition to the original upper, the damping adjustment cable is included. Locating a dial of the cable to the inside of the wheel housings allows the damping force adjustment without lifting a vehicle that is usually required.



## ADS Error Canceller

Civic Si and Type R are equipped with ADS (Adaptive Damper System).



Once the stock suspension is removed, the control unit detects it as an error, and an error message appears as shown above.

HKS has started developing a device to cancel this error message by HKS own analysis. With this device, the error message won't appear even after replacing the stock suspension with HKS suspension.

