

# **Porsche 991 RGT**

## **Instruction Manual**



[IM]-PKM-PORSCHE-991-RGT  
03/03/2023

## Table of contents

Chapt I :	Specification .....	3
Chapt II :	Assembly .....	3
1.	Front damper .....	3
2.	Rear damper .....	6
Chapt III :	Warnings .....	8
Chapt IV :	Services .....	8
Chapt V :	Versioning .....	9
Chapt VI :	Notes .....	10

## Chapt I : Specification

This damper kit is specially developed for the Porsche 991 RGT. The front damper is made of a Ø36mm piston and the rear damper of a Ø46mm piston.

This is 4 ways setting damper kit: **Rebound**, **High Speed Bump**, **Low Speed Bump** and **Hydraulic Bump Stop** in 3 positions. These 4 setting ways are completely independent.

To install the insert in the strut for the front damper, a tool OT-SER-229-A can be provided.

## Chapt II : Assembly

### 1. Front damper



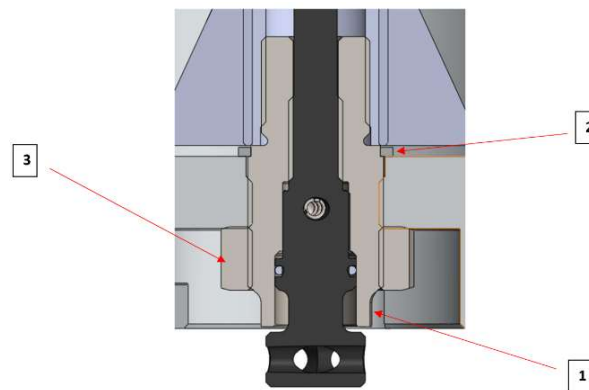
The front damper assembly is composed of an insert, a strut and a top mount. Damper assembly can be purchased without the strut.

The damper come to the strut trough a wiper seal. To protect the seal during assembly it must be grease. Guide ring into the strut must be grease too.

## Mounting insert in the strut:

After reassembly of the cap in the strut

- Remove the nut (n°3 on the picture below).
- Push the insert into the strut.
- Screw the damper to engage the thread in the cap.
- As soon as the 12 mm hexagon (n°1 on the picture below) goes beyond the cap, finish screwing with a long sleeve.
- The circlip (n°2 on the picture below) is thus well pressed on the cap.
- Lock the assembly by repositioning and screwing the nut (n°3 on the picture below) to 25 N.m +. Loctite 243



## Setting procedures:



### **Rebound Adjuster**

*Type of adjuster* : adjustable bleed

*Identification* : Red screw

*Number of positions* : 33

*Click position 0* : Fully clockwise at maximum force (orifice close).



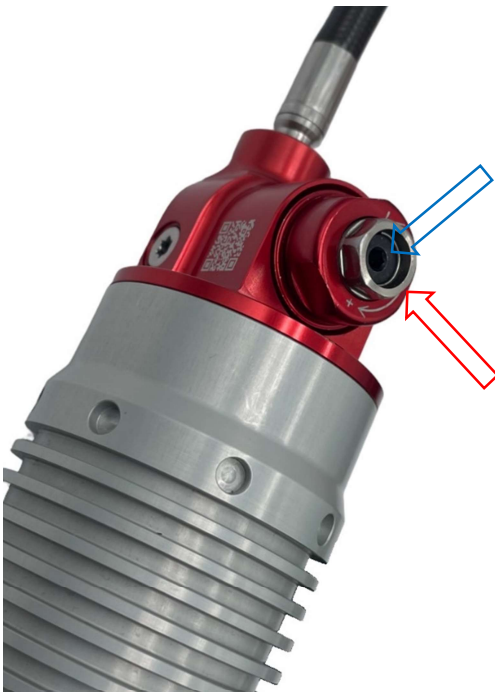
## **Hydraulic Bump Stop Adjuster**

*Type of adjuster* : turning barrel

*Identification* : Grey screw

*Number of positions* : 3

*Click positions* : (1 unscrewed to the max : no bump-stop) ;  
(2 : soft position) ; (3 screwed to the max : hard position)



## **Low Speed Bump Damping Adjuster** (blue arrow)

*Type of adjuster* : adjustable bleed

*Identification* : The black screw with an internal 3 mm hex

*Number of positions* : 33

*Click position 0* : Fully clockwise at maximum force.

## **High Speed Bump Damping Adjuster** (red arrow)

*Type of adjuster* : spring preload

*Identification* : The grey screw with an external 12 mm hex

*Number of position* : 49

*Click position 0* : Fully clockwise at maximum force.

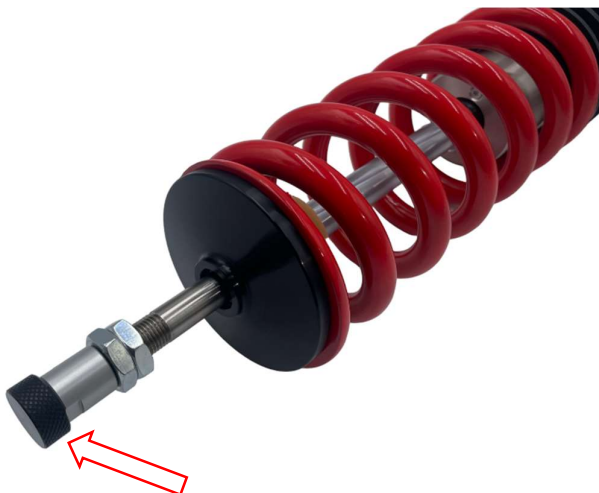


## 2. Rear damper



The rear damper doesn't need strut. Damper fit in the car by ball joint bearing.

### Setting procedures:



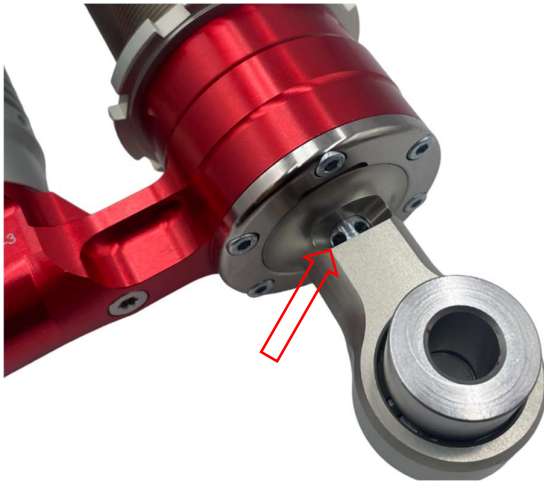
#### ***Rebound Adjuster***

*Type of adjuster* : adjustable bleed

*Identification* : Black screw (hand screwable)

*Number of positions* : 36

*Click position 0* : Fully clockwise at maximum force (orifice close).



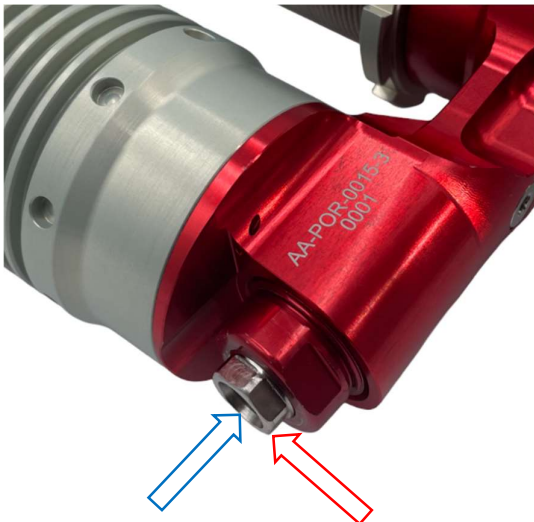
## **Hydraulic Bump Stop Adjuster**

*Type of adjuster* : turning barrel

*Identification* : rotating wheel

*Number of positions* : 3

*Click positions* : (1 unscrewed to the max : no bump-stop) ; (2 : soft position) ; (3 screwed to the max : hard position)



## **Low Speed Bump Damping Adjuster (blue arrow)**

*Type of adjuster* : adjustable bleed

*Identification* : The black screw with an internal 3 mm hex

*Number of positions* : 33

*Click position 0* : Fully clockwise at maximum force.

## **High Speed Bump Damping Adjuster (red arrow)**

*Type of adjuster* : spring preload

*Identification* : The grey screw with an external 12 mm hex

*Number of position* : 49

*Click position 0* : Fully clockwise at maximum force.

## Chapt III : Warnings

- Dampers are important part of the car and can affect stability
- PKM Consulting can not be held responsible for damage on the vehicle or injury if instructions and maintenance are not respected.
- Test the car at low speed after installing the product.
- For any anormal comportment of the car or the product, stop the vehicle and fix the problem.
- Clean your damper after use with adapted products.
- Preferable to drive with mud protections of the adjustment modules on rear dampers.



- You must do not touch the inflate screw located at the bottom of the cylinder, it could depressurize your damper.

## Chapt IV : Services

Services must be done every 900km or every year.

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## Chapt V :    Versioning

REV	NAME	DATE	CHANGES
A	ETTORI	02/03/2023	Creation

## Chapt VI : Notes

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