

P30

Instruction Manual



[IM]-PKM-P30
25/01/2023

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Flash the QR code below or follow the link to find out all information available for this product.



<https://www.pkm-consulting.com/oreca-07-lmp2/>

Chapt I : Specifications

PKM Consulting dampers, 4 ways + adjustable Blow Off.

The PKM Consulting damper is a twin tube damper with a $\varnothing 30$ mm solid piston. Developed for the most exigent racers, this damper is specifically developed for the new LMP constraint and helps for a weight gain on the damping function.

The risk of cavitation is eliminated through product design, the fluid flow is always generated by the positive displacement of the piston. Thus, a low residual gas pressure ensures the operation of the damper and allows to optimize the level of friction.

This damper is delivered with 2 ways bump and rebound adjusters. Both low and high speed can be externally zeroed to ensure an accurate matching between left and right dampers.



These dampers are delivered with an externally adjustable Blow Off system that help for the kerb crossing and optimizes the recovery of grip after it. This system also increases the overall comfort in the vehicle, which is not insignificant in terms of human and machine reliability in endurance events.

Chapt II : Adjustments

1. Important

- The method to adjust front and rear dampers is the same.
- Front dampers are symmetrical.
- Rear dampers are symmetrical.

2. Low-Speed Adjuster

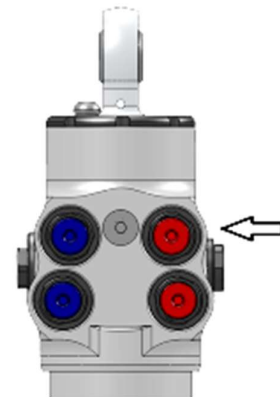
Low Speed Bump Adjuster (LSB)

- Type of adjuster: Bleed adjuster
- Identification: The upper blue screw with an internal 3mm hexagonal
- Number of positions: 40
- Click position 0: Fully anti-clockwise at minimum force (orifice open).



Low Speed Rebound Adjuster (LSR)

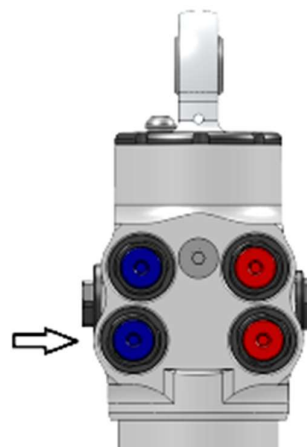
- Type of adjuster: Bleed adjuster
- Identification: The upper red screw with an internal 3mm hexagonal
- Number of positions: 40
- Click position 0: Fully anti-clockwise at minimum force (orifice open).



3. High-Speed Adjuster

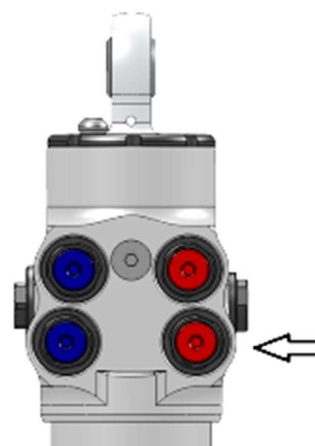
High Speed Bump Adjuster (HSB)

- Type of adjuster: Spring pre-loaded valve.
- Identification: The lower blue screw with an internal 3mm hexagonal.
- Numbers of positions : 40
- Click position 0: Fully anti-clockwise at minimum force (spring min preloaded).



High Speed Rebound Adjuster (HSR)

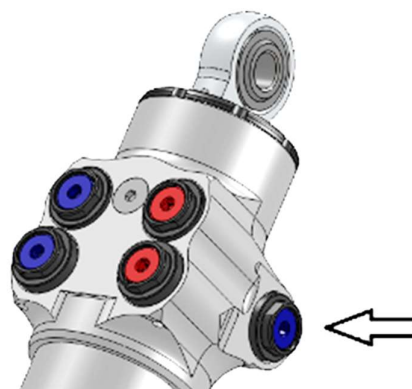
- Type of adjuster: Spring pre-loaded valve.
- Identification: The lower red screw with an internal 3mm hexagonal
- Number of positions: 40
- Click position 0: Fully anti-clockwise at minimum force (spring min preloaded).



4. Blow-off Adjuster

Blow-off Duration adjuster (BO)

- Type of adjuster: Spring pre-loaded valve
- Identification: The blue screw with an internal 3mm hexagonal at the opposite side of the bump adjuster
- Number of clicks: Around 40
- Click position 0: Fully anti-clockwise at minimum force (spring min preloaded).



Chapt III : Warnings

- Dampers are important part of the car and can affect stability
- PKM Consulting cannot 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.

Chapt IV : Services

Services must be done every 5000km or every year.

PKM Consulting
428, Avenue de Copenhagen
83870 Signes, France
+33494903487 or contact@pkm-consulting.com

Chapt V : Versioning

REV	NAME	DATE	CHANGES
A	RICORD	10/05/2022	Creation



P30 : Instruction Manual



Chapt VI : Notes

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