

# OWNER'S MANUAL

## DUCATI 899 PANIGALE

255-014-070-010



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RECOMMENDED SETTINGS	
Shock length	310 (+/-6mm)
Shock stroke	65mm
Spring Rate	80N/m
Spring Preload	16 (+/-mm)
Comp damping (Black)	12 Clicks Out
Reb damping (Natural)	12 Clicks Out
Bypass Control Valve	8 Clicks Out

K-Tech Suspension Ltd products are manufactured to fit specific brands and models. Under no circumstances should any K-Tech Suspension Ltd products be fitted to an application other than that for which it has been designed, tested and manufactured.

## INTRODUCTION

The DDS Pro Rear Shock Absorber has been designed for use at the highest levels of racing and developed in major championships around the world. Like all other K-Tech products it has been designed and manufactured in the UK using the latest software and highest grade materials and processes available.

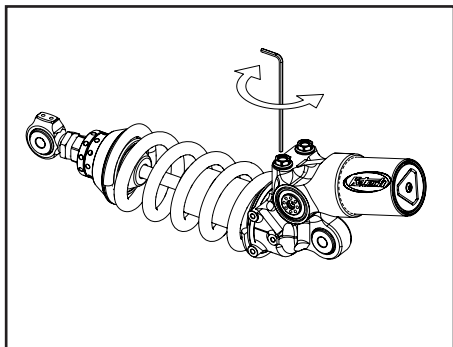
The championship winning Direct Damping System provides incredible performance and precise tuning for ultimate chassis control in the most demanding conditions of racing shock absorber. The DDS pro comes with the following specifications listed as standard:

- Preload Adjustment
- Bypass Adjustment
- Compression Adjustment
- Rebound Adjustment
- Length Adjustment

**\*\*\*This product is not designed or intended for highway use.\*\*\***

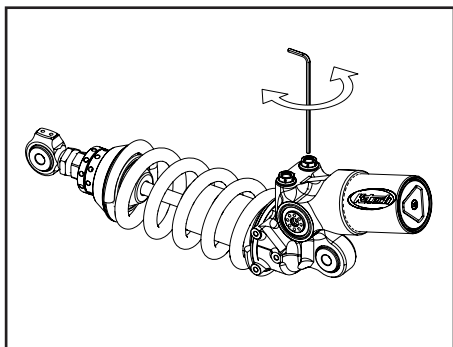
The procedures in this manual should only be carried out by a qualified motorcycle technician. K-Tech Suspension Ltd will not be liable for any damages caused in any way to/by the product and any injuries sustained if the product is fitted or adjusted by someone who is neither an authorised dealer of K-Tech Suspension Ltd or who does not have the relevant qualifications in motorcycle technology. K-Tech Suspension Ltd will also not be liable if the correct tools are not used throughout the process of fitting and adjustment of a K-Tech suspension Ltd product. Please refer to the manufacturer's workshop manual before attempting these procedures. These procedures will require two people, you will need to remove all relevant bodywork and any other parts that may restrict you from carrying out these tasks.

## ADJUSTMENT



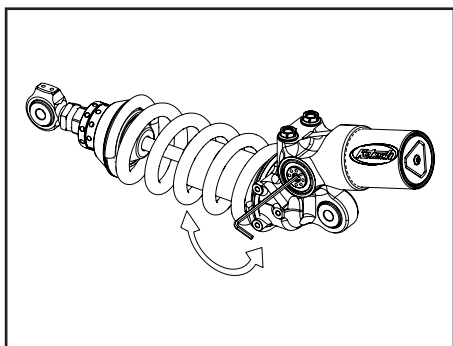
### **Compression damping:-**

Black Adjuster Wheel:- 32 clicks adjustment range. All settings should be made from the fully closed (Clockwise Position).



### **Rebound damping:-**

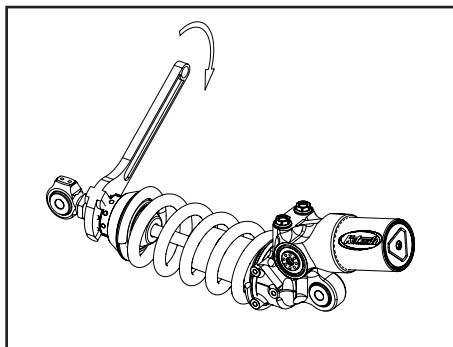
Natural Adjuster Wheel:- 32 clicks adjustment range. All settings should be made from the fully closed (Clockwise Position).



### **Bypass Adjustment Valve:-**

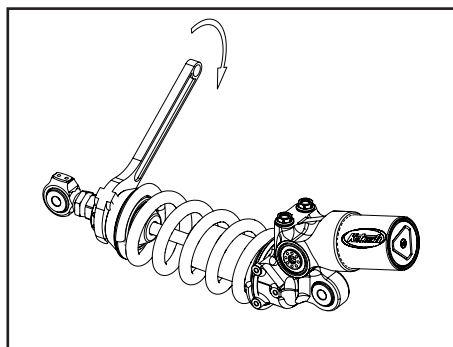
Red Adjuster Wheel:- 16 clicks adjustment range. All settings should be made from the fully closed (Clockwise Position).

## ADJUSTMENT



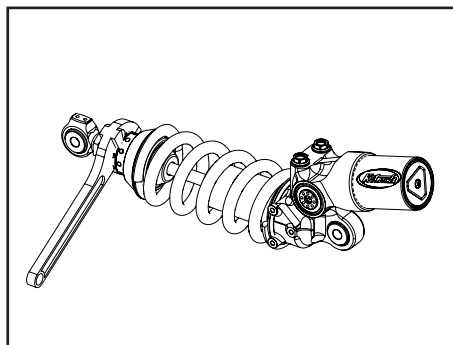
### Spring Preload:-

Unlock the locking collar off the adjuster before changing the spring preload.



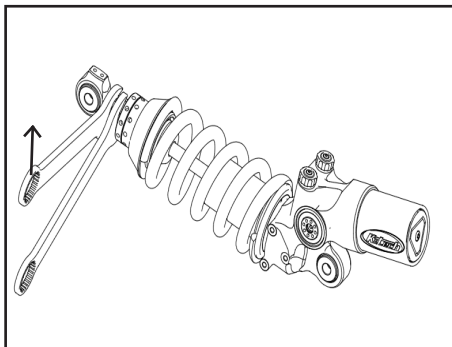
### Spring preload:-

Adjust the spring preload by turning the preload adjuster nut. 1 turn is equal to 2mm of preload.



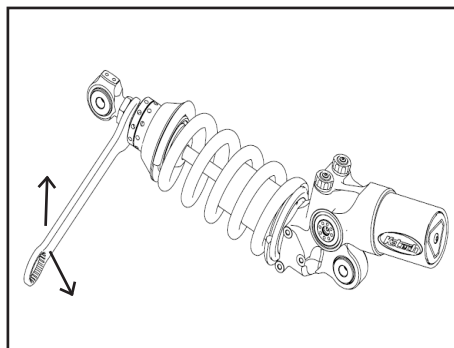
### Spring Preload:-

Lock off your preload adjustment by locking the locking collar to the adjuster.



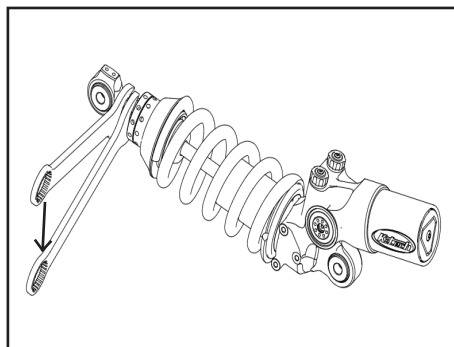
## Shock length:-

To adjust the shock length loose the silver lock nut at the bottom of the shock with a 24mm open ended spanner whilst holding the piston rod joiner assembly (Black 24mm nut) with another spanner.



## Shock length:-

Turn the rod using the 24mm spanner to get the desired shock length you require. **NB** 1 full turn changes the shock length by 1mm.



## Shock length:-

When you have changed your shock to desired length re-tighten the two nuts and torque to 40Nm.



Do not extended the length of the shock to the point that the safety groove is visible below the locking nut. If you require this length of shock please contact your nearest K-Tech dealer.

## FITTING THE SHOCK

**This procedure should only be carried out by a qualified motorcycle technician. K-Tech Suspension Ltd will not be liable for any damages caused in any way to/ by the product and any injuries sustained if the product is fitted by someone who is neither an authorised dealer of K-Tech Suspension Ltd or have the relevant qualifications in motorcycle technology. K-Tech Suspension Ltd will also not be liable if the correct tools are not used throughout the process of fitting and adjustment of a K-Tech suspension Ltd product. Please refer to the manufacturer's workshop manual before attempting this procedure. This procedure will require two people, you will need to remove all relevant bodywork and any other parts that may restrict you from carrying out this task.**

Place and secure the motorcycle on footrest support stands in order to have the wheel approximately 5cm off the ground.

Loosen top and bottom mounting bolts using the correct spanners.

With one person holding the rear wheel in a stationary position the second person can remove the top bolt, it may be necessary to slightly move the rear wheel up and down whilst removing the top bolt.

Keeping the rear wheel in a stationary position the second person can now remove the bottom bolt, it will be necessary to hold the shock whilst doing this.

Remove the shock from the bike keeping the rear wheel stationary while doing so.

You are now ready to fit the K-Tech rear shock.

Place the shock into the bike fitting the bottom mounting bolt first, it may be necessary for the second person to slowly move the rear wheel up or down for you to insert the bolt through any linkages.

Now fit the top mounting bolt and torque both top and bottom bolt to the manufacturers recommendations.

**Take a slow test drive to make sure that everything is correct.**



**[www.ktechsuspension.com](http://www.ktechsuspension.com)**

Contact your local K-Tech dealer for more details at  
[www.ktechsuspension.com/service-centres-and-partners](http://www.ktechsuspension.com/service-centres-and-partners)