

# WP 48mm AER ORVS FITTING INSTRUCTIONS

117-600-034-001



**KEY****NOTE!****CAUTION!****WARNING!**

The front forks are a very important part of the motorcycle and will affect the safety and stability.



Read the instructions carefully and make sure you understand them before you proceed. If you have any queries please contact your dealer or nearest supplier of K-Tech Suspension immediately.



K-Tech Suspension Ltd. cannot be held responsible for any damage to vehicle, front fork, personal injury or property if the installation instructions are not followed exactly.



Please read this instruction manual before installing this product.



This product should only be installed by an authorised K-Tech Dealer.

**1** This product is designed and developed for a specific motorcycle model and should only be installed onto the recommended model in its original condition.

**2** After this product has been installed you should take a low speed test ride to check stability of the vehicle has been maintained.

**3** This product needs specialised tools to fit correctly and should only be fitted by a K-Tech dealer or a person with the correct tools and qualified in motorcycle suspension and trained to install the front fork products to ensure the performance and safety.

**4** Remove and install the front forks from the motorcycle using the manufacturer's workshop manual.

**Set up data****Recommended settings**

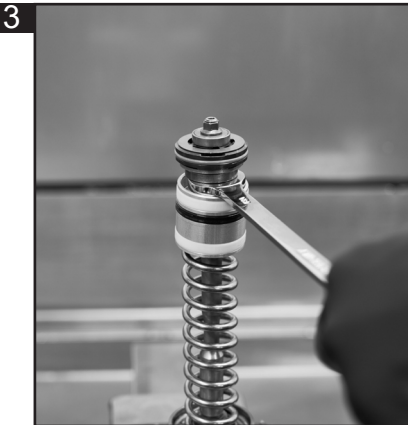
Compression:	12 clicks
Rebound:	12 clicks
Oil Volume:	220 ml
Fork position:	Set to owners manual



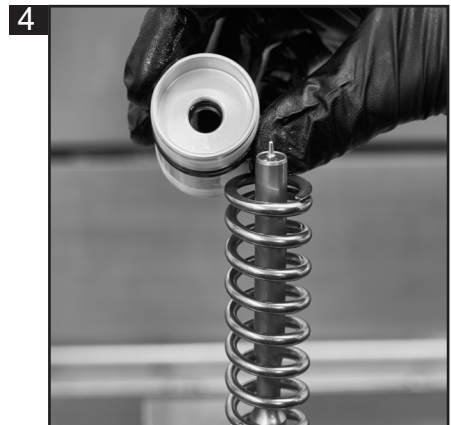
1: Remove the compression valve assembly from the cartridge assembly using cap using spanner 113-010-032 and valve assembly tool 113-010-115.



2: Remove compression valve assembly from the cartridge assembly. Hold in vice using valve assembly tool 113-010-115.

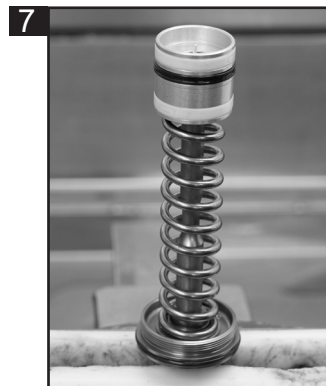
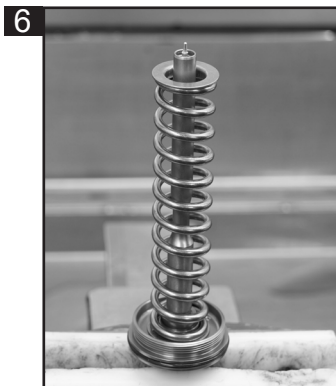


3: Remove compression valve assembly using 13mm spanner.



4: Remove separation piston, pressure spring and spring seats.

# ORVS - Comp Assembly



5: Use tool 113-010-107 in vice to hold top cap.

6: Install upper spring seat, pressure spring, lower spring seat.

7: Install separation piston onto piston rod applying grease to inside o-ring.



8: Apply Loctite 2701 to new compression valve assembly thread and fit into top cap rod.

9: Compress the pressure spring to allow access to the compression valve assembly. Tighten to 15Nm.

# ORVS - Rebound Removal



10: Remove the rebound piston rod assembly from the cartridge tube. To do this hold the piston rod using tool 113-050-010 in a vice and loosen the lock nut from the locator hex.

11: Remove locator hex from the piston rod.

12: Remove adjuster rod. Remove the cartridge tube from the vice and remove piston rod assembly from the cartridge tube.



13: Hold the piston rod in a vice using tool 113-050-010.

14: Remove the rebound valve assembly from the piston rod using a 17mm spanner.

# ORVS - Rebound Installation



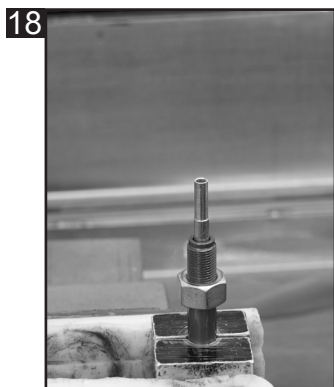
15: Apply Loctite 2701 to new rebound valve assembly thread and insert into piston rod.



16: Torque to 15Nm.



17: Insert the piston rod assembly into the cartridge tube.



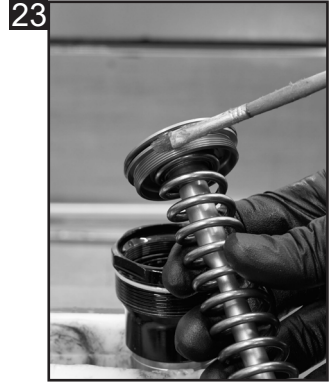
18: Hold piston rod in vice using tool 113-050-010. Install adjuster rod into piston rod.



19: Install locator hex on to piston rod.



20: Using a 19mm spanner and 24mm socket, tighten to 30Nm.



21: Fill cartridge to within 100mm of the top with 117-017-001 fork oil. Bleed the system by moving piston rod up and down around 10 times.

22: Set oil height in the cartridge to 150mm.

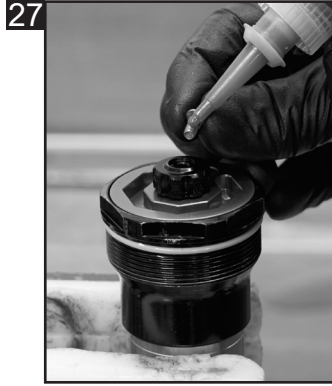
23: Apply grease to the compression assembly top cap o-ring.



24: Screw compression valve assembly into cartridge.

25: Hold cartridge with tool 113-010-032 and tighten compression valve assembly using tool 113-010-107 to 10Nm.

# ORVS - Comp Installation



26: Install compression adjuster knob onto brass hex adjuster

27: Apply Loctite 243 to compression adjuster knob screw and install as shown.

28: Tighten by hand.



[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)