

Ohlins YA 468

Ohlins TTX GP Rear Shock (YA 468) User Manual

Model: YA 468

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Ohlins TTX GP Rear Shock, model YA 468. Designed for 2015-2018 Yamaha R1, R1M, and 2016-2018 Yamaha MT-10 models, this shock absorber offers superior performance and adjustability compared to stock components.

The TTX GP features Ohlins' advanced twin-tube technology, incorporating improvements from MotoGP experience. Key enhancements include a new adjustment needle for more precise compression and rebound damping, a wider adjustment range, and a new main piston for improved traction and rider feel.



Image: Ohlins TTX GP Rear Shock (YA 468). This image displays the complete shock absorber unit, featuring the gold-colored reservoir, silver body, and yellow spring, indicative of Ohlins' signature design.

SAFETY INFORMATION

Always prioritize safety. Improper installation or adjustment of suspension components can lead to serious injury or damage. It is highly recommended that installation and initial setup be performed by a qualified motorcycle technician with experience in Ohlins products.

- Ensure the motorcycle is securely supported before beginning any work.

- Wear appropriate personal protective equipment (PPE), including eye protection and gloves.
- Refer to your motorcycle's service manual for specific torque specifications and procedures.
- Do not attempt to disassemble the shock absorber unless specifically instructed, as it contains high-pressure gas.

SETUP AND INSTALLATION

The Ohlins TTX GP Rear Shock (YA 468) is designed for OEM fitment in the stock location. However, precise setup is crucial for optimal performance.

Pre-Installation Checks:

- Verify that the shock model (YA 468) is correct for your motorcycle's year and model (2015-2018 Yamaha R1/R1M, 2016-2018 Yamaha MT-10).
- Inspect the shock for any signs of shipping damage.
- Ensure all included hardware is present.

Installation Steps (General):

1. Safely lift and support the motorcycle to allow the rear wheel to hang freely.
2. Remove the original rear shock absorber, carefully noting the orientation and any spacers.
3. Install the Ohlins TTX GP shock in the reverse order of removal. Ensure all mounting bolts are clean and properly torqued to the manufacturer's specifications.
4. Once installed, lower the motorcycle and perform initial sag measurements.

Note: Proper sag adjustment (static and rider sag) is fundamental for correct suspension operation. Consult an Ohlins service manual or a qualified technician for detailed sag setup procedures specific to your riding style and weight.

OPERATING AND ADJUSTMENT

The TTX GP shock offers manual adjustable damping for both rebound and compression, allowing riders to fine-tune the suspension performance.

Damping Adjustments:

- **Compression Damping:** Typically located on the reservoir or lower body of the shock. Adjusts the resistance to the shock compressing. Turning the adjuster clockwise generally increases damping (firmer), counter-clockwise decreases damping (softer).
- **Rebound Damping:** Typically located at the bottom of the shock body. Adjusts the resistance to the shock extending after compression. Turning the adjuster clockwise generally increases damping (slower rebound), counter-clockwise decreases damping (faster rebound).

Important: Always make small, incremental adjustments (e.g., 1-2 clicks at a time) and test the changes. Keep a record of your settings. Refer to the Ohlins base settings provided with your shock for a starting point.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Ohlins TTX GP Rear Shock.

- **Cleaning:** Keep the shock absorber clean from dirt, dust, and road grime. Use mild soap and water,

then rinse thoroughly. Avoid high-pressure washers directly on seals.

- **Inspection:** Periodically inspect the shock for any signs of oil leaks, damage to the shaft, spring, or adjusters. Check mounting bolts for tightness.
- **Service Intervals:** Ohlins recommends regular servicing by an authorized service center. Service intervals depend on usage (e.g., street riding vs. track use). Consult Ohlins documentation for specific recommendations.
- **Storage:** If storing the motorcycle for an extended period, ensure the shock is clean and dry.

TROUBLESHOOTING

This section addresses common issues you might encounter with your rear shock.

| Problem | Possible Cause | Solution |
|-------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Excessive bottoming out | Insufficient spring preload, too little compression damping, incorrect spring rate. | Increase spring preload, increase compression damping, consider a stiffer spring. |
| Harsh ride / Lack of compliance | Too much compression damping, too much spring preload, incorrect spring rate. | Decrease compression damping, decrease spring preload, consider a softer spring. |
| Rear end pogoing / Bouncing | Too little rebound damping. | Increase rebound damping. |
| Rear end packing up / Not extending fully | Too much rebound damping. | Decrease rebound damping. |
| Oil leakage | Damaged seals, internal component failure. | Contact an authorized Ohlins service center for inspection and repair. Do not ride with a leaking shock. |

For persistent issues or complex adjustments, it is always best to consult an authorized Ohlins service center or a professional suspension tuner.

SPECIFICATIONS

| Attribute | Detail |
|----------------------|-------------------------------------------------------------------|
| Brand | Ohlins |
| Model Number | YA 468 |
| Auto Part Position | Rear |
| Style | Adjustable |
| Vehicle Service Type | 2015-2018 Yamaha R1, 2015-2018 Yamaha R1M, 2016-2018 Yamaha MT-10 |
| Exterior Finish | Black |

| Attribute | Detail |
|--------------------|----------------------------|
| Material | Aluminum |
| Item Weight | 8.2 pounds |
| Product Dimensions | 23.23 x 9.25 x 7.08 inches |
| UPC | 600378515207 |

WARRANTY AND SUPPORT

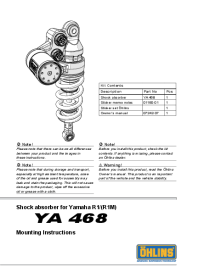
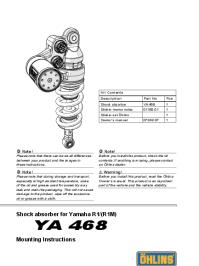

For warranty information, please refer to the documentation provided with your Ohlins product at the time of purchase or visit the official Ohlins website. Ohlins products typically come with a limited warranty covering manufacturing defects.

For technical support, service, or genuine Ohlins spare parts, please contact an authorized Ohlins dealer or service center. A list of authorized centers can usually be found on the official Ohlins website.

It is recommended to keep your proof of purchase for warranty claims.

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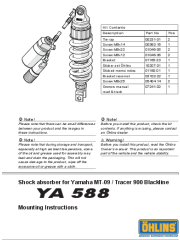
Related Documents - YA 468

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|  | <p>Öhlins YA 468 Shock Absorber: Mounting & Adjustment Guide for Yamaha R1/R1M</p> <p>Detailed mounting instructions and setup data for the Öhlins YA 468 TTX GP shock absorber, compatible with Yamaha R1 and R1M motorcycles. Includes installation steps, adjustment parameters, and sag/ride height recommendations.</p> |
|  | <p>Öhlins YA 468 Shock Absorber Mounting Instructions for Yamaha R1/R1M</p> <p>Detailed mounting instructions and setup data for the Öhlins YA 468 TTX GP shock absorber, designed for Yamaha R1 and R1M motorcycles. Includes step-by-step installation, adjustment details, technical specifications, and recommended sag/ride height.</p> |
|  | <p>Öhlins TTX40 Manual: Inside Advanced Suspension Technology</p> <p>Comprehensive user manual for the Öhlins TTX40 high-performance twin-tube damper, detailing its advanced design, features, operation, and maintenance for racing applications. Includes information on adjustability and the Valving Reference Program.</p> |



[Öhlins Motorsport 2017: Advanced Suspension Technology Catalog](#)

Explore the Öhlins Motorsport 2017 catalog featuring advanced suspension technology for racing, rally, offroad, and stock car applications. Discover shock absorber technologies like DFV and TTX, and view the Hall of Fame of motorsport champions.



[Öhlins YA 588 Shock Absorber Mounting Instructions for Yamaha MT-09 / Tracer 900](#)

Detailed mounting instructions and setup data for the Öhlins YA 588 shock absorber, designed for Yamaha MT-09 and Tracer 900 Blackline motorcycles. Includes kit contents, step-by-step installation guide, and adjustment specifications.



[Öhlins AP 466 Shock Absorber Mounting Instructions for Aprilia RSV 4](#)

Official mounting instructions for the Öhlins AP 466 TTX GP shock absorber, designed for the Aprilia RSV 4. Includes kit contents, installation steps, setup data, and important warnings.