



Yamaha YZF-R1 and YZF-R6 Installation Instructions

(full system)

Thank you for selecting and purchasing a TiForce exhaust system for your Yamaha R1 or R6. TiForce is the world's finest titanium exhaust system available today. To reduce installation time, please read and review these instructions before beginning the installation process. Instructions are also available in Adobe Acrobat PDF format on the TiForce website (www.TiForce.com).

Before Installation:

- Verify that all parts and accessories have been included (see list below).
- Coat all exhaust pipe mating joints with anti-seize compound / lubricant (Finish Line Ti-Prep packet included).
- Read and review these instructions, cautions, diagrams and images prior to starting any work.

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1. Remove the lower fairing. Remove the lower radiator mounting bolts, loosen the upper bolts and pivot the radiator forward to provide more access to the exhaust nuts (flange nuts).
 2. **YZF-R1 ONLY!!!** The EXUP control cables are tie-wrapped to the frame, and will need to be disconnected from the servo motor. Do not disconnect the electrical connection to the servo motor, and do not remove the actual servo motor. Simply remove the cables from the EXUP valve and from the servo motor.
 3. Remove the existing exhaust system and save the flange nuts for reuse. Save the mounting bolt and nut for the end can to the passenger footpeg for reuse as well.
 4. Inspect the exhaust gaskets. Replace if necessary.
 5. Assemble the head pipes 1 (blue), 2 (red), 3 (yellow), and 4 (green) by matching the joints of the same color to the pair of front Y-pipes. Do not install the exhaust springs at this time.
 6. Attach the assembled head pipe sections to the exhaust ports, but do not tighten the flange nuts fully, allowing for some adjustment in the remaining steps. Reuse the flange nuts saved from step 3 above. Make sure the ends of the headpipes fit flush and snug in the ports before tightening.
 7. Install the S-Bend to the front section of the headpipes and two Y-pipes.
 8. Go back and retighten the head pipe flange nuts per factory specifications.
 9. Slide the TiForce end can into place. Loosely attach the two rubber bands, stainless steel bands K, and stayarm / hanger G to the end can using the supplied 6mm hardware H. See figure 1.
 10. **YZF-R1 ONLY!!!** Place the bands approximately **180mm** from the edge of the end can. See figure 2.
 11. **YZF-R6 ONLY!!!** Place the bands approximately **195mm** from the edge of the end can. See figure 2.
 12. Using the stock provided mounting point on the passenger footpeg, and using the stock mounting bolt, mount the end can loosely, allowing for some adjustment. Insert the stock mounting bolt through the stay / hanger G.
 13. Attach the supplied springs to all the joints, starting from the headpipes and working back to the end can.
 14. Make sure the exhaust system is free and clear, if necessary jiggle the system to adjust for proper clearance.
 15. Carefully align the two stainless bands K so that they are parallel to each other, and spaced properly on the can (step 10 or 11 / figure 2), then tighten the 6mm hardware H and the stock mounting bolt hardware. Make sure that the rubber pads fully cover the band(s). **USE CAUTION WHEN TIGHTENING THE 6MM HARDWARE AND THE TWO BANDS SO AS NOT TO CRUSH OR DISTORT THE SLEEVE OF THE CAN.**
 16. Using some brake and contact cleaner on a clean rag, carefully wipe down the entire exhaust system to remove any residual oils, anti seize, fingerprints and dirt prior to starting the motor. **FAILURE TO CLEAN THE TUBING AND CAN MAY RESULT IN PERMANENT STAINING OF THE SYSTEM WHEN HEATED.**
 17. Go back and reinstall the radiator as per factory specifications. Verify fluid levels as needed.
 18. Check that all hardware is tightened, then start the motor and check for exhaust leaks.
 19. Reinstall the fairing and tighten any fasteners per factory specification.

General Cautions For Exhaust System Installations:

- **CAUTION** - For your safety, carefully read these instructions and those above, and fully familiarize yourself with the content before beginning installation and use. Keep these instructions in a safe place for future reference. Install the exhaust system as explained in these instructions.
- **DANGER** – when the motor is running, and shortly after it has been turned off, the motorcycle, the exhaust system and end-can will be hot. Severe burns, bodily injury and even death may result.
- **DANGER** - Keep gasoline and other flammable materials away from the exhaust system at all times. Exposure of gasoline and to heat can lead to fire.



Yamaha YZF-R1 Installation Instructions Addendum

Additional Modifications for installation on the 2002 R1:

- Clearancing of lower left bodywork is required for proper fitment on 2002 Yamaha R1.

*******Remember, measure twice, cut once*******

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1. Use of a high speed cutting tool will be required, Dremel type tool recommended.
 2. Using the high speed cutting tool, enlarge the existing notch that the #1 head pipe sits in, in the lower left fairing.
 3. Gradually cut away the area until there is approximately 3/8" (10mm) clearance between the head pipe and the body work.





PARTS LIST (Yamaha YZF-R1 & YZF-R6)

- Exhaust head pipe - #'s 1,2,3,4 - 1 each / 4 total
- Exhaust Y-pipe - 2x
- Exhaust S-bend pipe - 1x
- End can - 1x
- End can stay / hanger G - 1x
- Stainless steel band K - 2x
- Rubber pad - 2x
- Exhaust spring - 8x
- M6 x 20mm allen bolt H - 2x
- M6 nut - 2x
- M6 washer - 4x
- Finish Line TiPrep Anti-Seize - 1 packet

