



## '02-'03 YZF-R1 UP-TYPE

Thank you for selecting and purchasing a TiForce exhaust system for your Yamaha '02-'03 YZF-R1. TiForce is the world's finest titanium exhaust system available today. Please read the following instructions and materials to fully familiarize yourself with new exhaust system before getting started.

### 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.
  - Read and review these instructions, cautions, diagrams and images prior to starting any work.
1. Remove the lower fairing, radiator and right passenger foot peg bar.
  2. The EXUP control cables are tie-wrapped to the frame, and will need to be disconnected from the servomotor. Do not disconnect the electrical connection to the servomotor, and do not remove the actual servomotor. Simply remove the cables from the EXUP valve and from the servomotor.
  3. Remove the existing exhaust system and save the flange nut 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. Attach the head pipe 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.
  6. Install the tail pipe to the front section of the head pipes and tail pipe. Shake the whole assembly gently until all fit properly.
  7. Attach the supplied springs to all the joints.
  8. Loosely attach the silencer band rubber, silencer band and silencer stay to the silencer. (Place the bands approximately 180mm from the edge of the end can.) (M6x20mmx2, M6 nut x 2, M6 washer x 4, M10x50mmx1, M10 nut, M10 washer) (See Fig.1 and 2)
  9. Insert the silencer to the tail pipe. Loosely attach this to the motorcycle using the supplied hardware. (Silencer stay B, Collar A/B/C, Bolt, Nut, Washer) (See Fig.2) (Those people who don't need the passenger foot peg, do not use Collar B. And Attach the silencer stay B using supplied Bolt M8x50mm and remove the left passenger foot peg.)
  10. Clearancing of lower left bodywork is required for proper fitment on 2002 Yamaha R1. Measure twice and cut once. Use a high-speed cutting tool will be required, Dremel type tool recommended. Using the high-speed cutting tool, enlarge the existing notch than the #1 head pipe sits in, in the lower left fairing. Gradually cut away the area until there is approximately 10mm clearance between the head pipe and the bodywork. (See Fig.3)
  11. Loosely reinstall the parts removed in step 1. Make sure the exhaust system is free and clear, if necessary jiggle the system to adjust for proper clearance.
  12. Removed the lower fairing reinstalled in step 11. Securely tighten the exhaust flange and



silnecer stay in order. 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 silnecer may result in permanent staining of the system when heated.)

13. Go back and reinstall the radiator as per factory specifications. Verify fluid levels as needed.
14. Check that all hardware is tightened, then start the motor and check for exhaust leaks.
15. Reinstall the faring and tighten any fasteners per factory specification. End.

## 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.

**CAUTION** –Stop the motorcycle should the exhaust system come in contact with people or animals. Never touch the exhaust system when hot. Direct contact with the system can cause burns.

**DANGER** –Allow the motor to cool before installing or removing the exhaust system. Working with a hot motor can lead to burns.

**CAUTION** –Stand the motorcycle on a flat and level surface and ensure that the motorcycle is stable before installing the exhaust system. Bodily injury and /or death could result to you or others if the motorcycle falls over. Damage may also result to the motorcycle or nearby property or equipment.

**DANGER** –Start and run the motorcycle in a well-ventilated area. With prolonged exposure to exhaust gas you run the risk of severe oxygen deficiencies, bodily injury or death may result.

**CAUTION** –Install the muffler only on the specified model of motorcycle. Improper installation will lead to loss of performance and or damage to the motorcycle.

**CAUTION** –Do not disassemble, modify or remodel this exhaust system.

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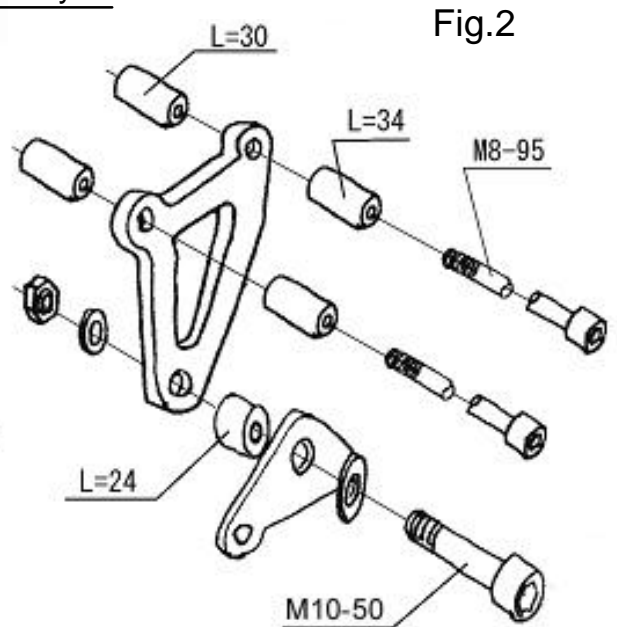
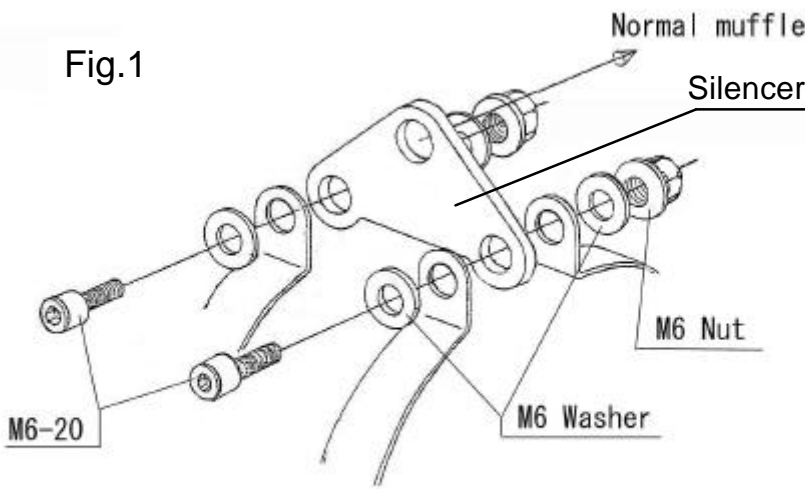
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**Enclosed parts**

Front pipe (#1,2,3 and 4)	1 each			
Exhaust pipe joint	1	Springs	7	M10 bolt (50MM) 1
Tail pipe	1	Collar A (30mm)	2	M10 nut 1
Silencer	1	Collar B (34mm)	2	M10 washer 2
Silencer band stay	1	Collar C (24mm)	1	M6 bolt (20mm) 2
Silencer stay B	1	M8 bolt (50mm)	2	M6 nut 2
Silencer band	2	M8 bolt (95mm)	2	M6 washer 4
Silencer Band Rubber	2			



How to attach the silencer band stay



Fig.3

