



Suzuki GSX-1300R Hayabusa - Installation Instructions

Thank you for selecting and purchasing a TiForce exhaust system for your Suzuki GSX-1300R Hayabusa. TiForce is the world's finest titanium exhaust system available today. Please read the following instructions and materials to fully familiarize yourself with your new exhaust system before getting started. Instructions are also available in Adobe Acrobat PDF format on the TiForce website (www.TiForce.co.jp).

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. 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). Unbolt the oil cooler and move it out of the way. It might be necessary to disconnect the oil cooler for added clearance.
 2. Remove the existing exhaust system and save the flange nuts for reuse. Save the stock exhaust can mounting bolt and nut for the end can to foot peg for reuse as well.
 3. Inspect the exhaust gaskets. Replace if necessary.
 4. Assemble the head pipes 1, 2, 3, and 4 by matching the joints to the pair of front Y-pipes. Do not install the exhaust springs at this time.
 5. 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 head pipes fit flush and snug in the ports before tightening.
 6. Install the S-Bend to the front section of the head pipes and two Y-pipes.
 7. Slide the end can into place.
 8. Loosely attach the two rubber bands, stainless steel bands (K), and stay to the end can using the supplied 6mm hardware (H) and the hanger / stay arm (G). (See figure 1).
 9. Place the bands approximately 115mm from the edge of the end can. (See figure 2).
 10. Using the stock provided mounting point on the passenger footpeg, and using the stock hardware (from step 3 above), mount the end can loosely, allowing for some adjustment.
 11. Attach the supplied springs to all the joints, starting from the head pipes and working back to the end can. Make sure the exhaust system is free and clear of the bike. If necessary, adjust for proper clearance.
 12. Carefully align the two stainless bands so that they are parallel to each other, and spaced properly on the can (see step 9 / figure 2). Tighten the 6mm hardware (H) and the stock mounting bolt hardware. Make sure that the rubber pads fully cover the bands (K). **USE CAUTION WHEN TIGHTENING THE 6MM HARDWARE AND THE TWO BANDS SO AS NOT TO CRUSH OR DISTORT THE SLEEVE OF THE CAN.**
 13. Go back and retighten the head pipe flange nuts per factory specifications.
 14. 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.**



15. Install the radiator and oil cooler as per factory specifications. (2001 and after: In order to prevent contacting the exhaust pipe and fearing, put enclosed 10mm spacer between the fearing and the bracket located bottom on the front inside the fearing (both left and right) and between the right frame bottom and the fearing: one each)
16. Check that all hardware is tightened, and then start the motor and check for exhaust leaks.
17. Install the supplied section of adhesive heat shielding to the inside of the fairing lower where the exhaust comes close to the fairing. FAILURE TO INSTALL THIS HEAT SHEILD MAY CAUSE THE FAIRING TO MELT OR BURN.
18. Reinstall the fairing and tighten any fasteners per factory specification. Make sure that there is adequate clearance for the exhaust. If clearance is tight, use a spacer or washer to prevent contact with the exhaust.

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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(Parts List)

Exhaust head pipes - #'s 1,2,3,4 – 1 each / 4 total					
Exhaust Y-pipes	2	Exhaust S-bend pipe	1	Hanger/Stay Arm G	1
End can	1	Rubber pads	2	Stainless steel bands K	2
Exhaust springs	8	M6 x 20mm bolt H	2	M6 nut	2
M6 washer	4	Spacer/collar (10mm)	3		

Figure 1 - Assembly of Stainless Bands and Exhaust Hanger

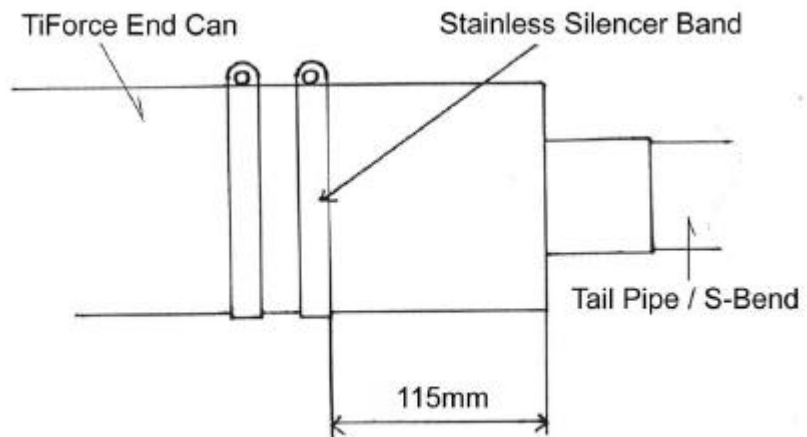
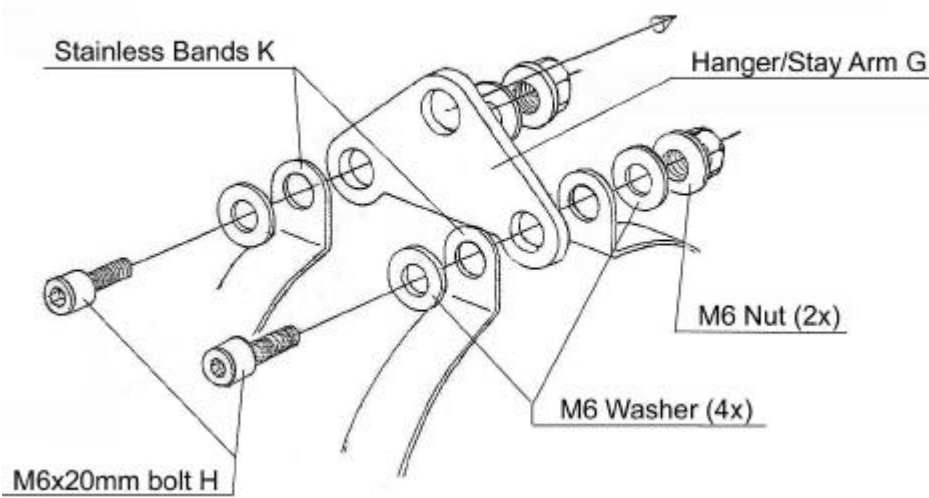


Figure 2 - GSX-1300R Silencer Band Placement