



Suzuki '08- GSX-1300R Full System (4-2-1-2 system)

Thank you for selecting and purchasing a TiForce exhaust system for your Suzuki GSX1300R. 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.com).

Before Installation

- Verify that all parts and accessories have been included (see list below).
- Coat all exhaust pipe matching joints with anti-seize compound / lubricant.
- Read and review these instructions, cautions, diagrams and images prior to starting any work.
- TiForce recommends the use of light-duty thread locking agent (ie Blue Loctite) on all exhaust mounting fasteners – especially the fasteners on passenger footrest brackets and all silencers mounting hardware.

1. Remove the L and R lower fairing.
2. Remove the L and R stock silencers.
 - / Make the oil cooler free by detaching its stay to provide more access.
 - / Detach the under oil cooler stay to have enough room for detaching the headpipes easily.
 - / Loosen the upper radiator mounting bolts for moving flexible during detaching the headpipes.
 - / Remove the L and R stock silencers.
 - / Disconnect the O2 sensor connector and O2 sensor from the exhaust pipe (save this for reuse)
 - / Detach the stock head pipes and save the stock bolts and nuts for reuse.
 - / Detach the stock exhaust pipe stay (save bolt for reuse). Take the stock rubber bush and a steel insert off and put them to the enclosed sub-stay. Attach the assembled sub-stay to stock exhaust stay mounting position by a bolt saved.
3. Assemble the headpipes 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. (Cylinder number is 1,2,3 & 4 from the engine left side)
 - / Inspect the exhaust gaskets. Replace if necessary. (TiForce recommends you to replace)
4. Attach the assembled head pipes sections to the exhaust port, but do not tighten the flange nuts fully, allowing for some adjustment in the remaining steps. Reuse the flange nuts saved from step 2 above. Make sure the ends of the head pipes fit flush and snug in the ports before tightening. See right image.



5. Install the tail pipe joint and the tail pipe to the front section of the head pipes. Jiggle the whole assemble for better fitment.
6. Put the enclosed M8 clip-nut to the stay of the tail joint and lightly tighten this by M8x 40mm bolt and a M8 large washer.

7. Lightly attach the enclosed silencer stay to the stock passenger's foot peg stay by the enclosed M8 large washer and the standard nuts and bolts saved from step 2 above. See right image. *For left silencer stay, put enclosed aluminum collar between the silencer stay and the passenger's foot peg stay by M8x65mm , M8 large washer and the standard nut)

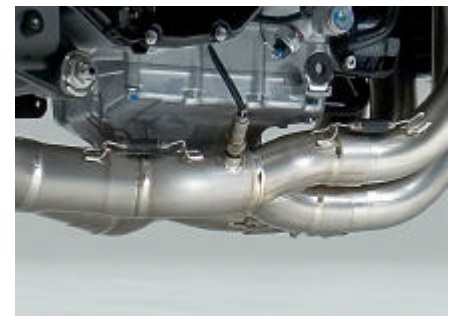


8. Insert the TiForce can to the tail pipe and attach springs. Carefully align the two silencer bands so that they are parallel to each other. Make sure that the rubber pads fully cover the silencer bands. Tighten the 6mm hardware (2 6x25mm bolt, 2 M6 nut, 4 M6washer). (See Fig. 1 for Polished silencer, See figure 2 for Carbon silencer.) Repeat the same procedure for Left TiForce can. Use caution when tightening the 6mm hardware and the two bands so as not to crush or distort the sleeve of the can.

9. Attached the supplied springs to all the joints, starting from the headpipes and working back to the end can. Reinstall the lower fairing detached from step 1. Make sure the exhaust system is free and clear of the bike and fairing. If necessary, adjust for proper clearance.

10. Detach the reinstalled lower fairing from step 9. Go back and retighten the head pipe flange nuts per factory specifications and fasten all hardware.

11. Attach the O2 sensor saved from step 2. Connect the connector. See right image.



12. Reinstall the radiator and oil cooler as per factory specifications.

13. 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.**

14. 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 the exhaust. Start the motor and check for exhaust leaks. **END**

Enclosure:

Head pipe (#1,2,3,4)	1 each	Y-pipe (#1-2)	1
Y-pipe (#3-4)	1	Tail joint	1
Tail pipe (L,R)	1 each	TiForce Can	2
Silencer stay	2	Silencer band	4
Band rubber	4	Short spring	12
M8 bolt 40mm	1	M8 bolt 45mm	1
M8 bolt 65mm	1	M8 clip nut	1
M8 large washer	3	M6 bolt 20mm	4
M6 nut	4	M6 washer	8
sub-stay	1	Aluminum collar	1



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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Assembly of silencer band and silencer stay

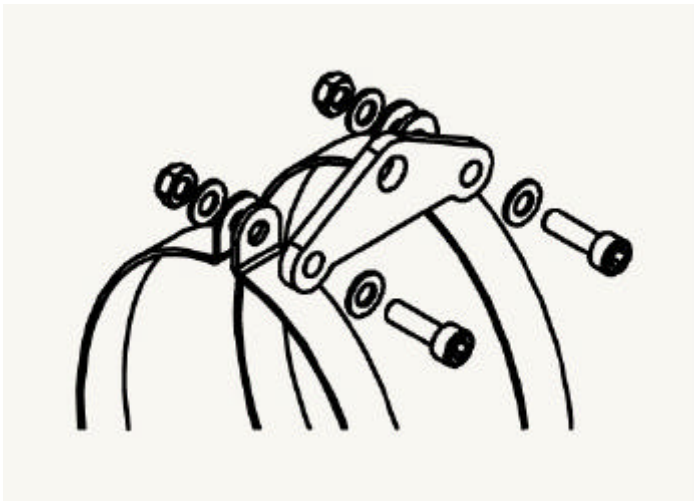


Fig 1: For polished silencer

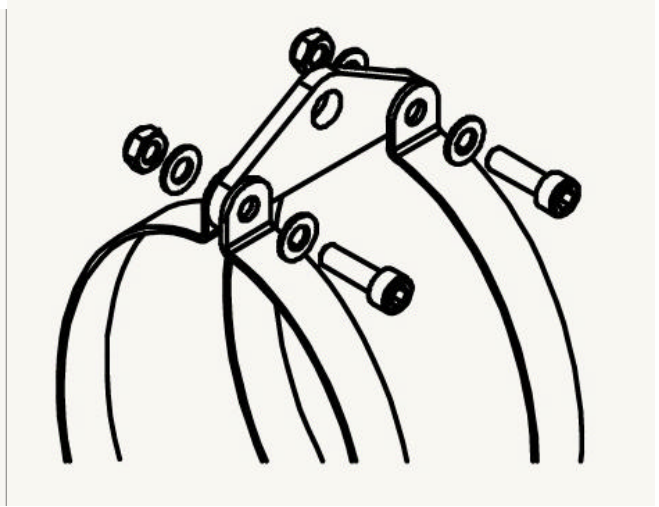


Fig. 2: For Carbon silencer

