

Taylor*made* RACING INC

Installation Guide 2012-2015 Suzuki GSXR 1000 Full Exhaust Kit



**!! THIS PRODUCT IS DESIGNED FOR USE IN
CLOSED COURSE RACING AND IS NOT INTENDED
FOR HIGHWAY USE!!**

Congratulations on the purchase of your new TaylorMade underbelly exhaust kit for your GSXR. All components of your new exhaust are fabricated from thin wall stainless steel so it will never rust. The black finish is a baked-on ceramic coating and only requires washing with soap and water to keep clean. We recommend regular application of Turtle Wax, Color Magic in black to keep your carbon fiber looking new.

Any competent mechanic with basic tools can install the kit, but if you have any doubts in your mechanical abilities, entrust installation to an experienced workshop. Time to fit is approximately 3 hours depending on familiarity; a bit of help from your best bike buddy will help the work go smoothly. All directions are given as if you are sat on the bike: e.g. Left = gear change side.

Fitting is straightforward, but please do read the instructions carefully, as they will help you get the job done quicker and more easily.

Tool List :

Socket	Hex Wrench	Wrench
• 7 mm	• 4 mm	• 8 mm
• 10mm	• 5 mm	• 10 mm
• 12 mm socket	• 6 mm	• 12 mm
		• 13 mm
		• 17 mm

Parts List:

• 1 Right side carbon fiber trim	• 1 Left side carbon fiber trim
• 1 Header set	• 6 Springs
• 1 Spring puller	• 1 Muffler strap
• 1 Muffler with trim bracket & clamp	• 8 mm x 12 mm spacer
• 1 Exhaust servo motor stopper plate	• 1 M8 x 30 hex head bolt & washer
• 1 Left side trim bracket	• 1 Plastic rivet
• 2 M6 x 16 button head bolts	• 2 M6 washers & M6 x 5.5 mm spacers
• 1 Oxygen sensor blanking plug	• 1x 45 mm trim grip

STAGE ONE – DISASSEMBLY

1) Disconnect Oxygen Sensor

a. Remove Tank/Seat Side Panels

Remove one screw at the front of each panel and pullout tab at the rear.

b. Remove Rider's Seat

Two screws located at the front of the seat.

c. Raise Gas Tank

Two screws located at the front and prop up gas tank using the prop stand located under the rider's seat.

d. Disconnect the black plug attached to the oxygen sensor, located at the right, rear of chassis

e. Insert white blanking plug that is included in your kit and thread cable through chassis.

f. Replace tank, rider's seat, and side panels.

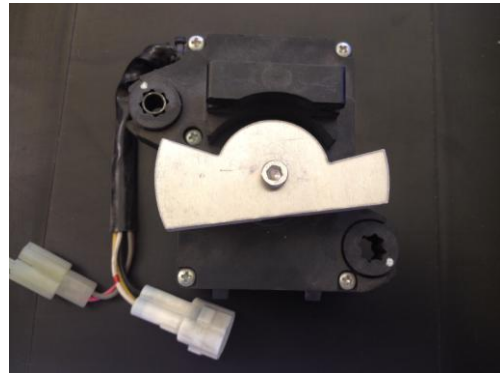


2) Remove body panels as described on page 7-20 of your Owner's Handbook.

3) Install Exhaust Servo Motor Stopper



- a. Loosen cables at the exhaust butterfly valve and remove cables.
- b. Remove servo pulley using a 7 mm socket.



- c. Install stopper plate, reusing stock bolt
Correct stopper plate installation shown on the right. Servo motor may vary slightly.

4) Remove Oxygen Sensor

- a. Use 17 mm wrench, remove sensor and pull cable from chassis.



d. Remove muffler

5) Remove headers

- a) Place a protective towel over the rear of the front fender
- b) Remove the top radiator mounting bolts
- c) Remove the lower mounting bolt, and then let the radiator fall forward to rest on the rear of the front mudguard.
- d) Loosen the header flange bolts.
- e) Remove the rear exhaust mounting bolt.
- f) Remove the header flange bolts.
- g) Slide the headers out from the left hand side of the bike.



STAGE TWO – ASSEMBLY

1) Mount Headers

- a) Assemble headers and collector together with the springs provided. Mount remaining springs and spigots as shown in picture, but do not attached to header pipes at this stage.

- b) Slide headers up to the cylinder head from the left hand side of the bike. Take care to slip the radiator bracket between pipes 3 and 4.
- c) Push spigots for cylinders 2 and 3 into cylinder head and thread mounting bolts in finger tight.
- d) Repeat with cylinders 1 and 4.
- e) Tighten mounting bolts evenly. Tighten bolts to the point where they are firm but not bending the flanges.
- f) Mount springs from spigots to the header pipes.
- g) Remount radiator.

2) Mount muffler

- a) Push the strap over the muffler with the tabs on the left hand side.
- b) Slip muffler over headers and tighten the clamp bolt enough to take up the clearance but still allow the muffler to rotate.
- c) Push the M8 x 30 bolt and washer through the left hand trim bracket, then through the tabs of the strap. Place the M8 x 20 spacer over the bolt, behind the strap tabs and thread into the mounting flange on the chassis



Do not forget trim bracket. Trim bracket not shown in picture.

3) Mount the Right Hand Trim Piece

- a) Push rubber grommet into hole of rear mounting tab for both left and right hand trim pieces.
- b) Mount right hand carbon trim behind rear of stock bodywork at the front and OVER the exhaust exit at the rear.
- c) Assemble the M6 x 15 button head bolt, penny washer, and then M6 x 5.5 mm spacer. Push through the rubber grommet at the rear of the trim piece and thread into the trim bracket of the muffler.

- d) ***This next step of centralizing the muffler exit in the trim requires a little patience and where you best bike buddy can come in handy!***

Move the muffler either forwards or backwards until you line up the bolt hole at the front of trim with the bolt hole at the rear of the stock bodywork and the chassis.
Replace the stock mounting bolt.



Tighten the strap bolt until you can just rotate the trim bracket.

Ensure that the muffler exit is central in the trim piece and sits in front of the trim by 2-3mm.

You may have to rotate the muffler to make sure there is no contact between the exit and the trim. Failure to centralize the exit and pull the muffler forward may result in a damaged trim later on.

Now tighten the muffler clamp to 25 ft/lbs. It is very important to ensure that the muffler is securely clamped to the headers.

While tightening the muffler clamp the muffler may shift in position causing the exit to shift alignment in the trim. If this occurs loosen the clamp and realign the muffler once more.

Repeat the alignment process until you are satisfied with the fit. Spending a bit of time at this stage will pay dividends in the future.

4) Mount the Left Hand Trim Piece

- a) Mount up left hand trim piece behind rear of stock bodywork.
- b) Assemble the M6 x 15 button head bolt, penny washer then M6 x 5.5 mm spacer, push through the rubber grommet at the rear of the trim piece and thread in to the trim bracket of the muffler.
- c) Align the hole in trim with the hole in the trim bracket (you can use a small awl or screw driver to help line up the holes).



- d) Separate the plastic rivet and push the center shell through the hole in the trim piece and bracket. Press the inner rivet through the hole and snap tight.
- e) Mount the front of the trim into the chassis using the stock bolt.
- f) Tighten the strap bolt.



Now, stand back and take a moment to admire the results of all your hard work. All that remains is to fire her up and go for a spin.

After running the bike for approximately 100 miles, go over all fasteners and check for tightness- pay particular attention to tighten muffler clamp to 25ft/lbs.

TMR recommends the use of Loctite and safety wire in all racing applications. If you experience any problems with the fitment of your TaylorMade Exhaust components or these instructions, the technicians at TaylorMade will be pleased to help. Just give us a call.

Safe Riding,

Paul Taylor

Proper care guidelines for your TaylorMade Exhaust

All components of your new exhaust are fabricated from thin wall stainless steel so it will never rust. The black finish is a baked-on ceramic coating which only requires washing with soap and water to help keep it clean. To keep your carbon fiber looking new, we recommend a regular application of Turtle Wax's "Color Magic" in black. The muffler has an absorption design which relies on a fiberglass packing to absorb noise, heat and vibration. Over time the packing will degrade and will require replacing to maintain sound absorption quality and integrity of the muffler. In normal use repacking will be necessary every 6000-7000 miles. Extended periods of use at high RPMs will significantly reduce this service interval. A sure sign that repacking is required is when there is a noticeable increase in sound level. When your muffler needs servicing please contact our service team here at TaylorMade, who will be pleased to inspect and refurbish your muffler at a minimal cost.

WARRANTY AND LIMITATIONS

Regarding products sold by TaylorMade Racing Inc. (TaylorMade) e.g., exhaust systems, composites, billet parts, etc., TaylorMade warrants these products against defects arising out of failure due to material and/or workmanship for a period of 1 year from the date of purchase regardless of actual "in service" date. Warranty lies with original purchaser and cannot be transferred. This warranty is limited to the repair or replacement of the item solely at the discretion of TaylorMade. Such repair or replacement will be determined based solely on TaylorMade's evaluation of the item's intended and actual use.** Regarding products purchased from TaylorMade but not manufactured by TaylorMade, NO WARRANTIES WHATSOEVER are granted or implied. Any and all claims regarding items sold by TaylorMade but not manufactured by TaylorMade are to be referred to and disposed of by the actual manufacturer. Claims regarding these items may be administered by TaylorMade or referred to the actual manufacturer at TaylorMade's discretion.

EXCLUSIONS

This warranty does not cover finishes such as plating or paint nor their failure due to discoloration from heat, weathering, or abuse. Nor does it cover any failure due to damage arising out of improper installation, crash damage or incompatibility with other components. In any event, TaylorMade accepts no liability for any damage to vehicles or persons arising out of the use and/or abuse of a vehicle equipped with TaylorMade components, nor will TaylorMade accept liability for damage to injury or persons from the use or abuse of the product itself, whether direct or indirect, voluntary or involuntary. TaylorMade will not be responsible for any dispositions made by dealers or distributors of products. TaylorMade will not be responsible for any labor charges incurred by the customer for the installation or removal of the TaylorMade component or changes arising out of the collateral damage to the vehicle or persons while installing, removing, or using any item purchased from or supplied by TaylorMade whether manufactured by TaylorMade or not.

RETURN POLICY

TaylorMade will not be responsible for any shipping charges by the purchaser in returning the part to TaylorMade for evaluation. A return authorization number and a copy of the purchaser's invoice or receipt must accompany all returns. Parts returned without authorization may be refused.

DISCLAIMER

TAYLORMADE EXHAUST SYSTEMS, ENGINE PARTS, OR ANY PART WHICH MAY EFFECT EMISSION REGULATION COMPLIANCE ARE FOR OFF HIGHWAY USE ONLY AND ARE NOT FOR SALE OR USE ON CALIFORNIA POLLUTION CONTROLLED VEHICLES OR IN OTHER STATES WHERE POLLUTION CONTROL LAWS APPLY. SUITABILITY OF APPLICATION IS THE SOLE RESPONSIBILITY OF THE PURCHASER

**Failure to abide by the care guidelines outlined in the installation guide will void any warranty terms listed above. Mufflers returned for refurbishment under warranty will be subject to inspection by TaylorMade technicians. If upon inspection our technicians deem that damage has occurred due to neglect, the customer will have the option to pay a repair fee or to ship the muffler to their return address.

7712 Gloria Ave Van Nuys California 91406

818 781 8123

WWW.RACETAYLORMADE.COM

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