

Taylor*made* RACING INC

Installation Guide

2011 - 2015 GSXR 600/750 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 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.

Any knowledgeable mechanic with a basic set of tools should be able to install the kit. If you have any doubts in your mechanical abilities we suggest you entrust installation to an experienced workshop or mechanic. Installation time can take approximately 3 - 4 hours depending on your familiarity with the bike. All directions are given as if you are sitting on the bike: e.g. Left = gear change side.

The installation of your TMR exhaust is straightforward but please be sure to read the instructions carefully, as they will help you get the job done quickly and easily. A fitting video is also available on our website which can be a helpful tool when used with these written instructions. I strongly recommend you watch the video for extra hints and tips on how to complete the job quickly and thoroughly.

Tool List :

- M4, M5, M6 socket head wrenches
- M10, M12, M13, M17 hex. head wrenches
- Side cutters
- Light oil (Ex. WD-40 or similar)

Parts List:

- 2 x Pairs headers
- 4 x Spigots
- 6 x Springs
- 1 x Spring puller
- 1 x Left side carbon fiber trim
- 1 x Right side carbon fiber trim
- 1 x M6 washer
- 1 x Exhaust servo motor stopper plate 2012 and later models
- 1 x Complete Muffler
- 1 x Muffler Strap
- 2 x M8 Nyloc nuts
- 1 x M6x10 Button head bolt
- 1 x Black Plastic rivet
- 1 x White O₂ plug
- 2 x M8 Washers

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818 781 8123
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STAGE ONE – DISASSEMBLY

Remove stock exhaust:

1. Remove both the left and right side stock bodywork panels. You can find detailed instructions for removal in your Owner's Manual.
2. Remove cables from exhaust valve located between the headers and muffler box.
3. Unscrew O₂ sensor.
4. Remove muffler.
5. Unbolt the radiator from the top two mounts and the lower bolt. Let the radiator fall forwards to the front wheel.
6. Loosen all 8 bolts holding header pipes to the cylinder head. Remove 6 bolts holding three left hand pipes retaining only the 2 bolts for the right hand pipe which should be only finger tight.
7. Remove two bolts supporting the muffler box – one on the left hand side and one on the right hand side.
8. While supporting the muffler, remove bolts from right hand header pipe and side the header and muffler box assembly away from the bike.

Wiring Modifications:

1. Remove rider's seat – follow instructions in your Owners Handbook.
2. Lift gas tank and prop open with stay located in trunk.
3. The exhaust valve servo motor is located on the inside of the right hand frame rail behind the throttle bodies. Unscrew two mounting bolts, lift the servo motor, and remove the cables. Then place the servo motor back in position.
4. Disable Exhaust Valve Servo Motor



2011 Model Only

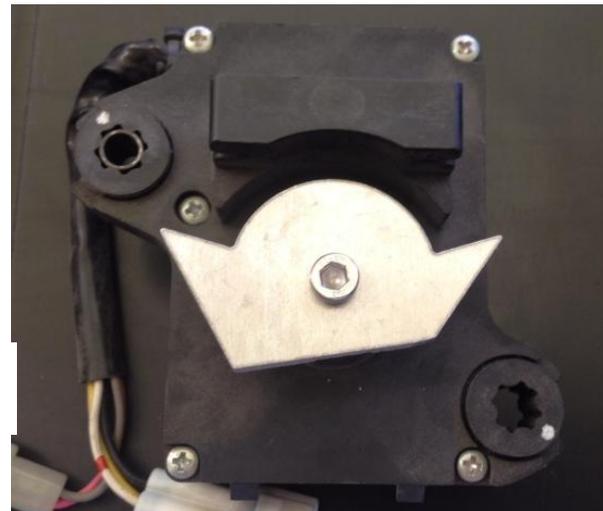
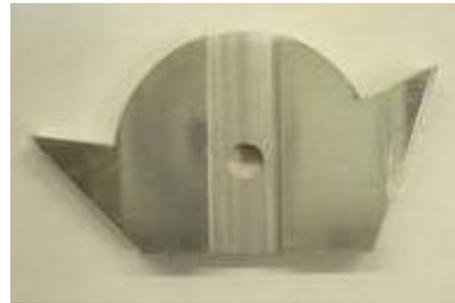
To properly disable the Exhaust Valve it will be necessary to make a wiring modification :

- a) Remove 3 bolts from bracket securing ECU at the front of the air-box.
- b) Pull ECU clear and identify the #5 wire from the top left hand side of the black connector. This wire is brown with a black tracer.
- c) Cut the wire and wrap the exposed ends with electrical tape.
- d) Refit ECU and bracket.



2012 and Later Models: Install Exhaust Servo Motor Stopper Plate

- 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. The milled groove in the plate should be face down against the servo. The points on the stopper plate should be facing the rear tire when installed properly. Ensure the flat edges on either side of the milled groove in the plate align with the flat edges of the servo bolt.



Note: The servo motor may differ slightly in appearance.

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All Models: O₂ Sensor

5. Follow the O₂ sensor lead up under the tank and unplug from the main wiring loom. Pull the lead out from under the tank. Push in the white O₂ plug (blanking plug) supplied with the kit into main wiring loom connector.

Remove sensor from bike.

6. Drop the gas tank back down and secure.
7. Refit rider's seat.



STAGE TWO – ASSEMBLY

1. Bolt the header spigots to the cylinder head with the spring holes facing down. Tighten each spigot bolt evenly to the point where the bolts are snug but not bending the flange. Tightening torque for the bolts is 16 ft/lbs.
2. Install springs on spigots in matching pattern to spring tabs on headers.
3. Lubricate the inside of the headers with light oil to ease assembly. Push headers over spigots.
4. Pull springs from spigots into tabs on headers.
5. Lubricate inside of muffler slip joints with light oil then push the muffler onto the headers. Once headers are fully seated in the muffler slip joint secure with 2 springs.

6. Identify the left hand side of the muffler strap which is marked with a tooling hole. Place the right hand side of the muffler strap on the **INSIDE** of the stock mount, push the stock bolt through the outside mounting hole, engage the hole in the strap and secure with the M8 washer and Nyloc nut .



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7. Stretch the strap under the muffler and position on the **OUTSIDE** of the stock left hand rubber mount. Push the stock muffler mounting bolt through the rubber mount and strap, place a washer and M8 Nyloc over the threads and tighten.
8. Reinstall your radiator bolts now.
9. Reinstall the Right and Left fairings, but leave the lower rear bolts out for now.
10. Attach the Right and Left sides of your TMR carbon fiber trim pieces together using the supplied black plastic rivet fastener.

The Right side should be on top of the Left side. Separate the plastic rivet and push the outer shell through matching holes in both trim pieces. Press the inner rivet through the outer shell and snap tight.
11. Place your trim piece in position around the muffler and insert M6 x 10 button head bolt through hole in back of trim pieces and attach to bracket at rear of muffler.
12. Slip the stock Right side fairing into the channel on the TMR trim. Insert the fairing bolt and tighten.
13. Check the exit is central in the rear of the trim piece. If it is off, twist the muffler gently in its strap.
14. On the Left side, place the TMR trim behind the stock fairing and install the bolt. Tighten.

Now that everything is installed check all fasteners once last time before a road test. After running the bike for approximately 100 miles go over all fasteners and check for tightness.

If you have any questions regarding installation do not hesitate to contact us.

Safe riding,

Paul Taylor

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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. 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 and paint nor their failure due to discoloration from heat or 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 refurbishment fee or to ship the muffler to their return address.

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