

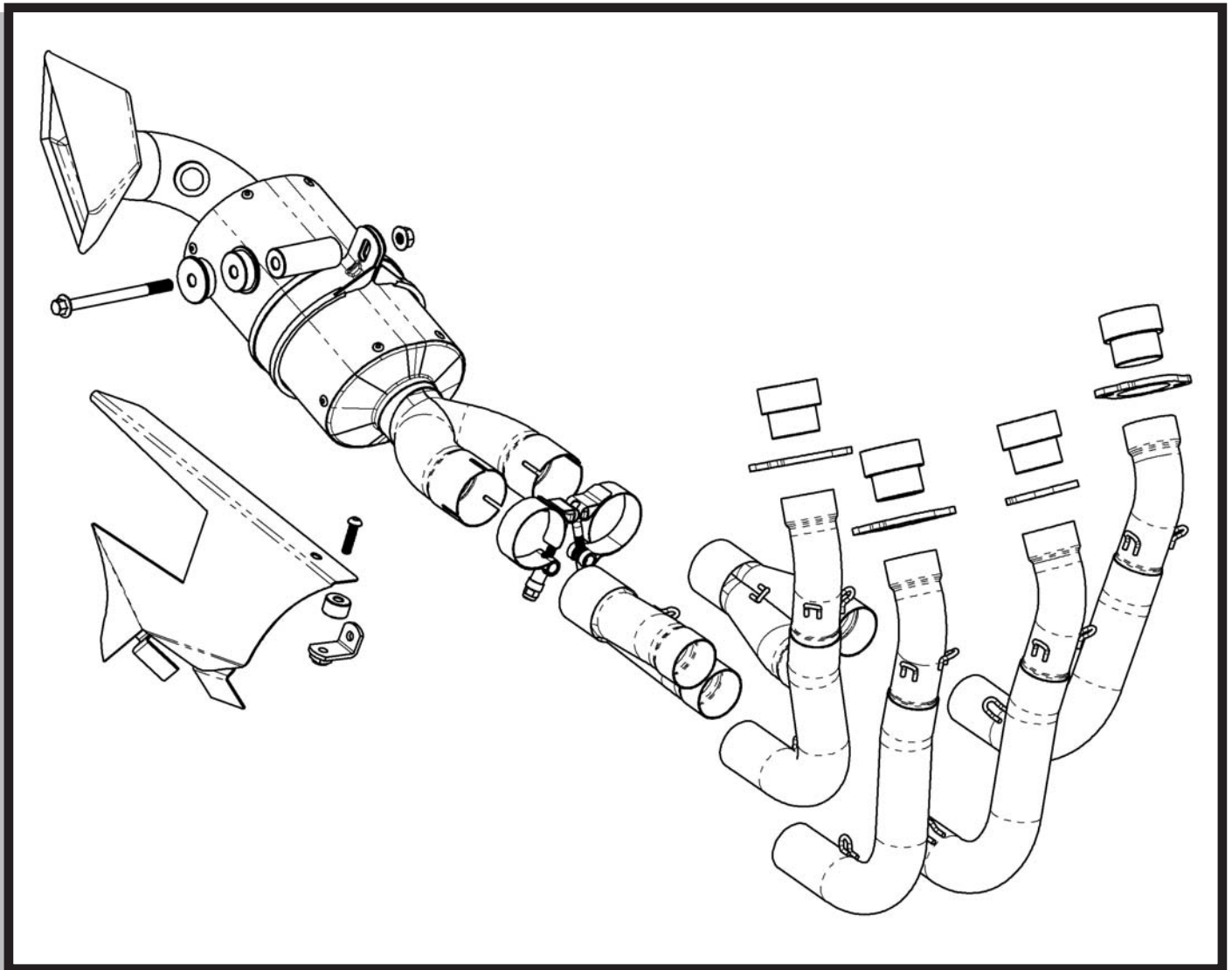
Jardine

PERFORMANCE PRODUCTS

16-2509-723-02

GP1-R FULL EXHAUST

YAMAHA YZF-R6
2008-11



THIS EXHAUST SYSTEM IS DESIGNED FOR USE IN CLOSED COURSE RACING ONLY, AND IS NOT INTENDED FOR PUBLIC HIGHWAY USE. IN THE STATE OF CALIFORNIA, IT IS ILLEGAL TO MODIFY THE EMISSION CONTROL SYSTEM ON ANY VEHICLE.

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PARTS INCLUDED

Ref.	Part Number	Description	Qty
1)	00-200-02620	Headpipe #1	1
2)	00-200-02621	Headpipe #2	1
3)	00-200-02622	Headpipe #3	1
4)	00-200-02623	Headpipe #4	1
5)	00-200-02624	Headpipe Collector	2
6)	00-200-02625	Muffler Assembly	1
7)	00-200-02630	Fairing Panel	1
8)	02-06-47668	Headpipe Collar	4
9)	03-46-47669	Headpipe Flange	4
10)	04-18-47673	Muffler Mount Spacer #1	2
11)	04-18-47674	Muffler Mount Spacer #2	1
12)	00-200-02628	Muffler Mounting Strap	1
13)	07-27-38280	Silicone Muffler Strap Isolator	1
14)	00-200-02629	Fairing Panel Adapter Bracket	1
15)	04-18-47675	Fairing Panel Spacer	1
16)	07-23-47893	Adhesive Backed Hook & Loop, 2" x 1.5"	2
17)	07-41-35929	Swivel Spring, Long	12
18)	07-3842058-35	T-bolt Clamp	2
19)	01-5308125100-27	M8-1.25x100mm Hex Flange Head Bolt	1
20)	01-7408125-27	M8-1.25 Hex Flange Nut	1
21)	01-510610025-SS	M6-1.00x25mm Socket Button Head Bolt	1
22)	01-44561056031	6mm Nylon Flat Washer	1
23)	01-6418150-20	M18-1.50 O2 Sensor Mount Plug	1

TOOLS REQUIRED

Ref.	Description	Ref.	Description
1)	Ratchet	8)	4mm Allen Wrench
2)	3" & 6" Extension	9)	5mm Allen Wrench
3)	WD40 or Equivalent	10)	10mm Wrench
4)	Spring Pull Tool or Needlenose Pliers	11)	12mm Wrench
5)	High-Temp Silicone Sealant	12)	22mm Wrench
6)	Wire Cutters	13)	12mm Socket
7)	Medium Strength Thread Locker	14)	7/16" Deep Socket

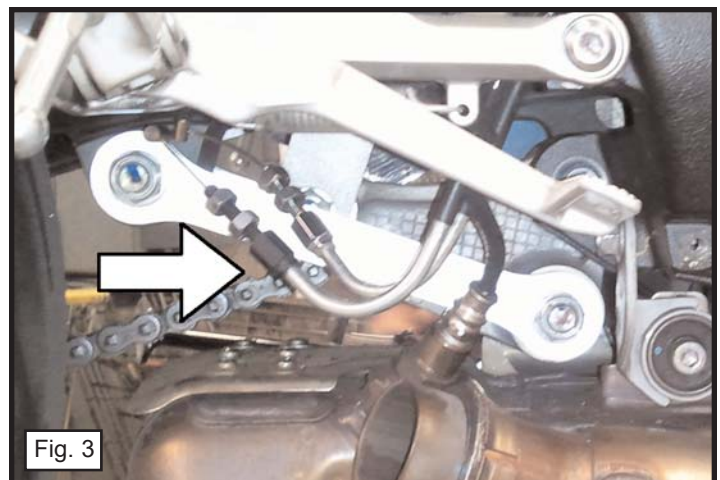
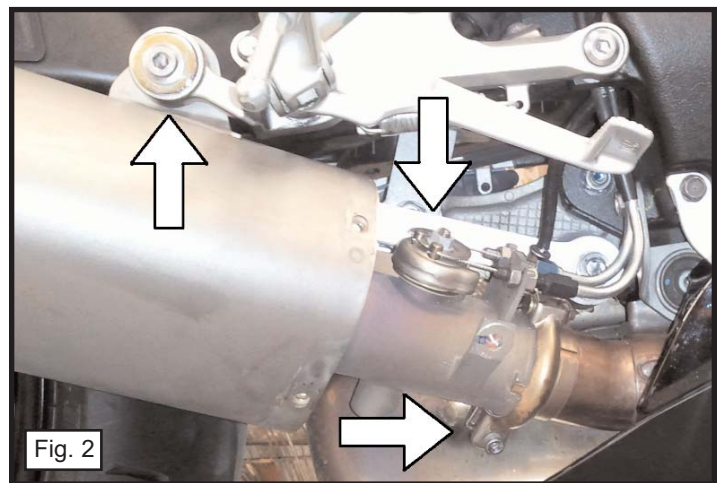
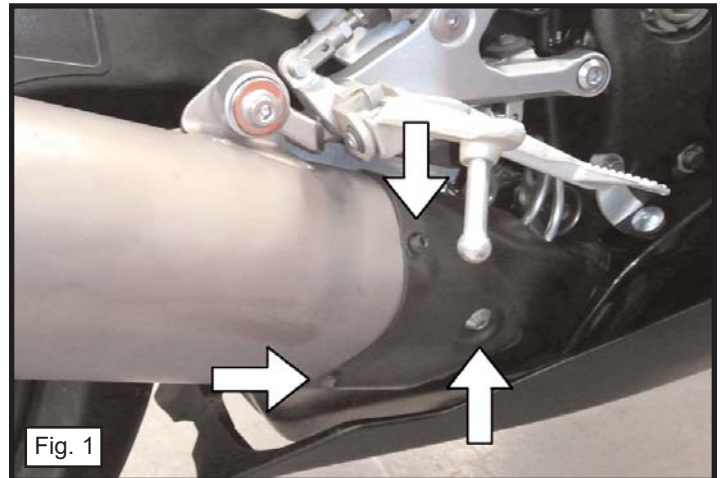
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INSTALLATION INSTRUCTIONS

- 1) Make sure the motorcycle is cool and place securely on a service lift or center stand.
- 2) Remove the three bolts securing the black cover to the stock muffler inlet. (Fig. 1)
- 3) Disconnect the cable attached to the stock muffler butterfly valve. (Fig. 2)
- 4) Loosen the bolt securing the muffler inlet clamp. (Fig. 2)
- 5) Remove the bolt securing the muffler to the rider footpeg mount. (Fig. 2) Remove the stock muffler.
- 6) Both the butterfly valve cables and O2 sensor bung wire must be disconnected at the source. Follow the butterfly valve cables up the frame and in front of the rear shock to disconnect them from the servo located there. (Fig. 3)
- 7) Remove the two bolts under, and at the rear of, the rider seat. You will need to lift up the pad itself to find them. Remove the rider seat. (Fig. 4)
- 8) Remove the bolt securing both the left & right plastic covers over the lower portion of the gas tank. Slide the covers forward and remove them. (Fig. 4)
- 9) Remove the bolt at the front of the gas tank, just behind the top triple clamp. Remove the bolt on both sides of the gas tank. Raise the gas tank and place a small block of wood, or an equivalent, to prop up the gas tank.



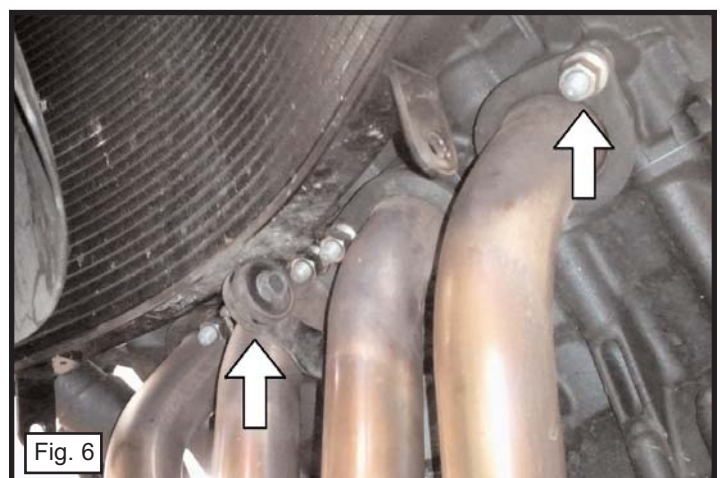
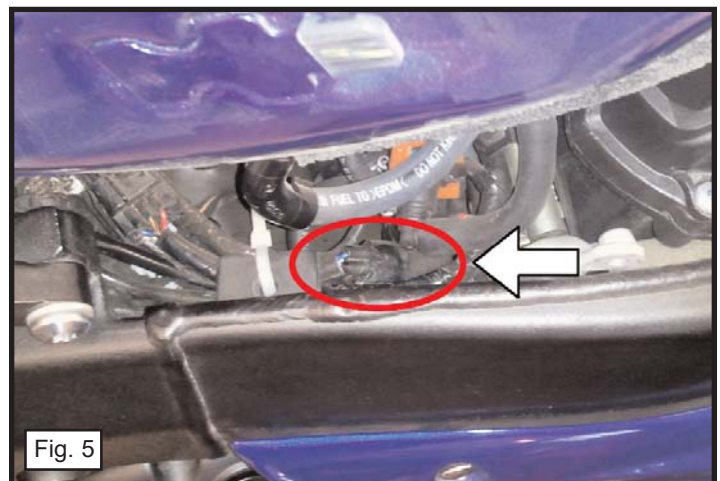
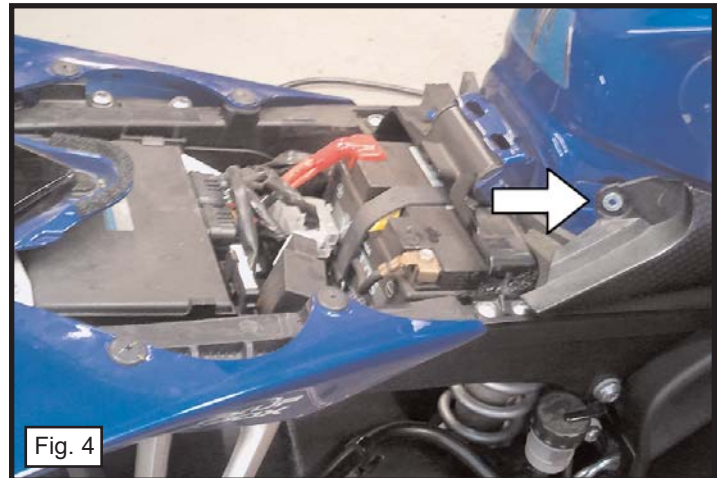
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INSTALLATION INSTRUCTIONS

- 10) Locate the O2 sensor wire plug and disconnect it. Follow the wire and cut or disconnect any wire ties securing it to larger wire bundles. Feed the wire out of the frame to where the O2 sensor is located on the stock muffler. (Fig. 5)
- 11) Remove both the left and right lower fairings. There are a large number of bolts and push pin plastic fasteners securing the lower fairings to the motorcycle frame and other fairing pieces. Carefully work your way around each fairing, removing fasteners until each side comes free. Set each fairing aside so they will not get damaged.
- 12) Remove the lower radiator support bolt. Carefully swing the bottom of the radiator forward so the headers can be more easily accessed. (Fig. 6)
- 13) Remove the 8 nuts securing the stock headpipes to the motor. (Fig. 6)
NOTE: Leave the two outside nuts in place but loose, this will keep the entire exhaust system from falling when the muffler bolts are removed in the next step.
- 14) Remove the two muffler mounting bolts. Support the muffler and remove the last two headpipe nuts. (Fig. 7)
- 15) Remove the complete stock exhaust system.
- 16) Remove the left and right muffler mounting brackets from the motor. (Fig. 8)
NOTE: The right side bracket will be reused.



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INSTALLATION INSTRUCTIONS

- 17)** Press the metal sleeved rubber bushing out of the right side muffler bracket.

NOTE: Although it is not recommended, this can be accomplished by placing the bracket securely in a vise, and then driving it out using a deep socket sized to match the metal sleeve on the bushing.

- 18)** Reinstall the right side muffler bracket to the motor. Do not fully tighten the mounting bolt at this time.

- 19)** Remove the O2 sensor from the stock muffler.

- 20)** Using the original nuts, loosely mount the four Headpipe Collars, and four Headpipe Flanges to the motor. Do not fully tighten the nuts at this time. (Fig. 9)

NOTE: Reference Fig. 9 for the proper orientation of the flanges and spring mount locations.

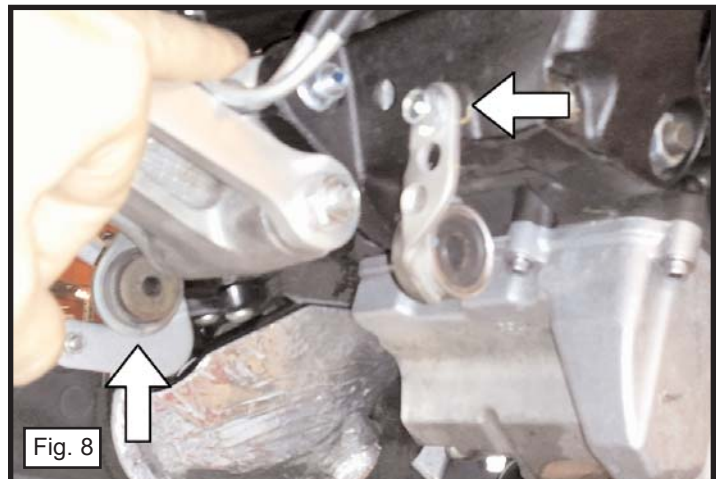
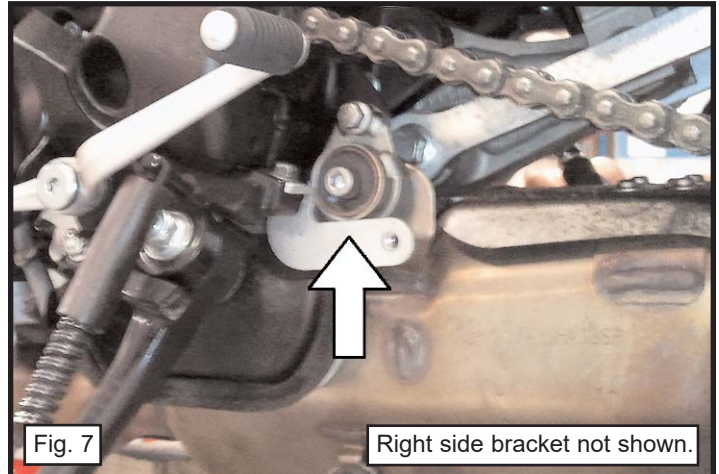
- 21)** Slide the #1,2,3,4 Headpipes onto the headpipe collars until they are fully seated. Do not connect the headpipe springs yet. (Fig. 10)

- 22)** Tighten all headpipe flange nuts to factory specification. Reinstall the lower radiator support bolt.

- 23)** Attach eight supplied Swivel Springs to secure the headpipes to the headpipe flanges. (Fig. 10)

- 24)** Slide one supplied Headpipe Collector over the #3 & #4 headpipe outlets until the headpipes are fully seated. (Fig. 11)

NOTE: Make sure that the spring mount on the collector is pointing upward.



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INSTALLATION INSTRUCTIONS

- 25)** Slide the remaining Headpipe Collector over the #1 & #2 headpipe outlets until the headpipe are fully seated. (Fig. 11)

NOTE: Make sure that the spring mount on the collector is pointing upward.

- 26)** Secure the headpipes to the collectors using the remaining four supplied Swivel Springs. (Fig. 11)

- 27)** Install the original O2 sensor to the threaded bung on the new Muffler Assembly outlet tube. Tighten until secure. If your motorcycle is not equipped with an O2 sensor, plug the O2 sensor bung using the supplied M18-1.50 O2 Sensor Mount Plug.

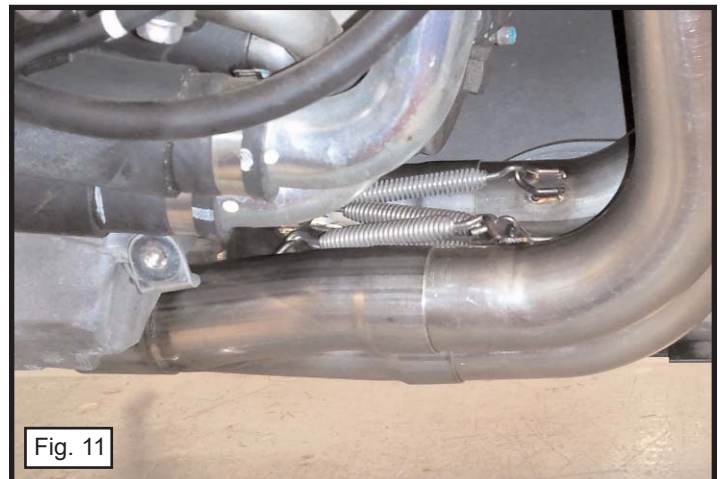
- 28)** Place the two supplied T-bolt clamps onto the notched Muffler Assembly inlet tubes. (Fig. 12)

NOTE: In order to properly clear the lower fairing on the motorcycle when installed, the t bolt clamps should be installed with the bolts on the inside of the collector, pointing down.

- 29)** Apply a liberal amount of high temperature silicone sealant to the inside of the Muffler Assembly inlet tubes, and slide the muffler assembly over the headpipe collector outlets until fully seated. (Fig. 12) Snug, but do not fully tighten the t-bolt clamps at this time.

NOTE: Although not required, you may want to cut off the excess bolt threads protruding from the t-bolt clamp nuts.

- 30)** Press two Muffler Mount Spacer #1 into both sides of the right side muffler mounting bracket on the motor. This is where the rubber bushing used to be located, that was pressed out in Step #17. (Fig. 13)



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INSTALLATION INSTRUCTIONS

- 31)** Apply the supplied Silicone Muffler Strap Isolator to the inside of the Muffler Strap. Work the muffler strap over the muffler until it is positioned near the muffler mounting bracket. (Fig. 13)

NOTE: The gussets on the muffler strap should be nearest the motor when the muffler strap is installed.

- 32)** Place the supplied Muffler Mount Spacer #2 between the Muffler Mount Spacer #1 in the left side position and the muffler strap tabs. Use the supplied M8-1.25x100mm Hex Flange Head Bolt to temporarily hold all of the muffler spacers in place. (Fig. 13)

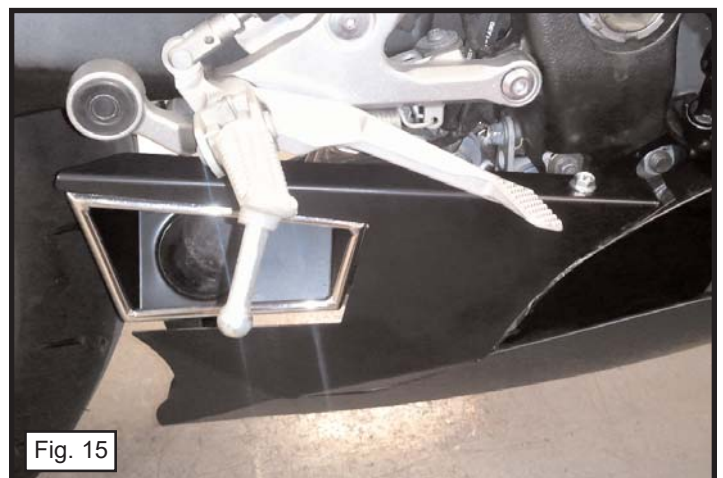
- 33)** Position the muffler strap. Squeeze the muffler strap tabs together and against Muffler Mount Spacer #2. Secure the Muffler Assembly to the muffler mounting bracket and spacers using the Supplied M8-1.25x100mm Hex Flange Head Bolt, and M8-1.25 Hex Flange Nut. (Fig. 13) Do not fully tighten at this time.

NOTE: Apply a small amount of thread locker to the hex flange nut threads prior to securing everything.

- 34)** Feed the O2 sensor wire through the frame and back under the gas tank. Reconnect the O2 sensor plug.

- 35)** Lower the gas tank. Reinstall the three gas tank mounting bolts. Tighten to factory specification.

- 36)** Reinstall the lower gas tank covers.



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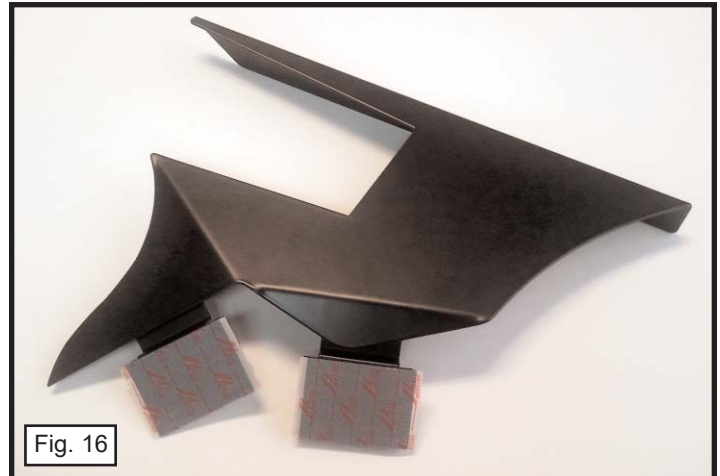
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INSTALLATION INSTRUCTIONS

37) Reinstall the rider seat.

NOTE: *By design, there is a small amount of adjustment in the exhaust system so that the fairing panel and exhaust outlet line up properly. The following steps may need to be performed a few times in order to adjust everything to fit as well as you would like.*

38) Reinstall the lower fairings to the motorcycle. If this is your first attempt at lining the exhaust system up with the fairing panel, consider not installing every lower fairing fastener, just enough to properly position them on the motorcycle.



39) Using the original bolt, loosely secure the Fairing Panel Adapter Bracket to the motorcycle frame and fairing bracket. (Fig. 14)

40) Place the supplied Fairing Panel Spacer onto the threaded tab of the Fairing Panel Adapter Bracket. (Fig. 14)

41) Using the supplied M6-1.00x25mm Socket Button Head Bolt, and 6mm Nylon Flat Washer, loosely secure the new Fairing Panel to the Fairing Panel Adapter Bracket and Spacer. Make sure that when installing the Fairing Panel brackets are placed inside the lower fairing. (Fig. 15)

42) Make note of the location of the exhaust outlet in comparison to the new Fairing Panel. Remove the Fairing Panel, and right side lower fairing.

43) Adjust the location of the Muffler Assembly so that it will be best centered in the recess in the Fairing Panel.

44) Make sure the T-bolt clamps are covering the notches on the muffler assembly inlet tubes. Fully tighten the T-bolt clamps.

45) Fully tighten the muffler mounting bolt and nut.

46) Reinstall the right side lower fairing. Carefully go over all of the lower fairings to make sure that they are installed correctly, and that all fasteners have been properly reinstalled.

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INSTALLATION INSTRUCTIONS

- 47)** Install the Fairing Panel Adapter Bracket and Spacer as shown in Steps #39-40.
- 48)** Using rubbing alcohol, clean the inside of the right side lower fairing where the Fairing Panel brackets will make contact with it.
- 49)** Using rubbing alcohol, clean the side of the Fairing Panel brackets that will contact the inside of the lower fairing panel.
- 50)** Peel one protective side of the two supplied Adhesive Backed Hook & Loop squares and place them onto the Fairing Panel brackets. (Fig. 16)
- 51)** Install the Fairing Panel as shown in Step #41.
- 52)** Reach under the lower fairing panel and peel the second side of the two Adhesive Backed Hook & Loop squares. Firmly press the lower fairing panel against the new fairing panel brackets, until the hook & loop is fully secure.
- 53)** Clean the new exhaust outlet and fairing panel of all fingerprints and grease.
- 54)** Start your motorcycle and enjoy!