



## SPORTSTER FIFTYTWO52 PART # 11-1007 & 11-1008 INSTALLATION INSTRUCTIONS

Congratulations, you are no longer on the beaten path. Sometimes the high road takes you to new places. You won't regret it, we never have. Our parts are expertly crafted and designed for maximum performance, deep throaty sound, perfect fit and innovative styling. Firebrand exhaust systems are the first choice for people whose passion is riding. Please follow the installation instructions below and if you have any questions, please call our technical support line Toll Free at 844-FIREONE (347-3663). Attention installer (if other than owner), please forward this instruction sheet to the owner of this product. These instructions contain valuable information to the end user.

### 2014 AND NEWER INSTRUCTIONS

1. Find and unplug the O2 sensor wires from the wiring harness and remove nylon cable tie holding front wire to frame. Feed the end of the wires through the frame so they are free from the motorcycle. NOTE: Pay attention to wire routing for re-installation.
2. Loosen the heat shield clamps on both the front and rear exhaust pipes to allow access to the head pipe mounting nuts.
3. Remove the two head pipe mounting nuts from each flange located at the cylinder head.
4. Remove the clamp bolt which mounts the rear head pipe to the belt drive cover bracket.
5. Remove the two bolts from each muffler body where they attach to the mounting bar. Carefully remove exhaust pipes from the motorcycle and set aside.
6. Using a 9/16" or 14mm wrench, carefully remove the O2 sensors from the stock head pipes and save for re-use with the new system.
7. Remove brake rod lynchpin and e-clip located just ahead of master cylinder.
8. If your bike is equipped with a mid-control footpeg it will be necessary to remove this to access the belt drive cover.
9. Remove the drive belt cover and take the bracket off the rear cover bolt, the bracket will not be re-used.
10. Remove the three mount bolts and washers attaching the exhaust mounting bar (save hardware for re-use).
11. Carefully remove exhaust port flanges and circlips from the stock exhaust system using snapping pliers. NOTE: Replace bent or damaged circlips. Check exhaust port gasket condition. NOTE: We always recommended replacement of exhaust port gaskets, Harley part number: 65324-83B.
12. Install and tighten supplied mounting bracket using stock washers and bolts. NOTE: To aid in bracket alignment loosely install the bottom 1/4"-20 cap screw for the belt cover through the small hole in the bracket while tightening the bracket bolts. Torque to 30-33 Ft/Lbs.
13. Re-install drive belt cover. Torque the 3/8" bolt to 30-33Ft/Lbs. and the two 1/4" bolts to 80-120 In/Lbs.
14. Re-install brake rod, brake rod lynchpin and e-clip. Re-install foot controls.
15. Remove header pipes and heat shields from protective packaging. Place each heat shield on a non-abrasive surface such as a blanket or carpet. Using a felt tip pen (pencil on black systems), mark outside edge of each heat shield to show location of mounting clips where hose clamps will loop through.
16. Apply masking tape to the front edge of the muffler casing and the heat shields (including collector heat shield/muffler clamp assembly) where they will butt up, this will help prevent scratching during installation. Lay head pipe into heat shields and loosely install hose clamps by feeding tail end of clamp into heat shield clips. Screw heads should be accessible when system is installed on motorcycle for adjustment purposes.
17. Apply a small amount of anti-seize compound to the threads of the O2 sensors and supplied adaptors. Install them into the new head pipes. NOTE: Be careful not to get anti-seize on sensor tip, it may affect sensor function.
18. Using snapping pliers install circlips and flanges from the stock system onto new head pipe.
19. Using stock flange nuts, carefully install head pipe into exhaust ports (Assistance may be required). NOTE: Do not tighten at this time.
20. Slide carriage bolts (supplied) inside bracket welded to backside of muffler body.
21. Slide collector heat shield/ muffler clamp assembly over the front of the muffler body. Attach muffler body to mounting bracket using flange nuts (supplied). NOTE: As you tighten the muffler to the bracket be certain that the carriage bolts are centered in the square holes and that the square portion of the shanks are not hung up on the outer surface of the bracket.
22. Tighten cylinder port exhaust flange nuts on front and rear cylinders.
23. Align and tighten collector heat shield/ muffler clamp there should be a small gap between the muffler casing and head pipe. Torque to 40-45 Ft/Lbs.
24. Remove masking tape from muffler and heat shields and tighten all heat shield clamps. Take care to create a small even gap where the two shields nest together.
25. Plug O2 sensors back into wiring harness and route wires away from hot areas of motorcycle.
26. Check for adequate clearance of all exhaust system components and motorcycle accessories prone to heat damage.
27. We highly recommend the use of thread locking compound on all hardware during installation. Be sure to tighten all hardware before starting motorcycle.
28. Now get out there and RIDE!

#### 11-1007 CHROME

After installation and before starting your motorcycle, clean pipes and mufflers with a cleaning solvent and a clean soft cloth that will not leave a residue. NOTE: Any residue, oil, or fingerprints will stain the chrome when the metal heats up.

#### 11-1008 BLACK

After installation and before starting your motorcycle, completely clean mufflers with warm soapy water and a clean soft cloth. Dry with a clean towel. NOTE: any residue, oil, or fingerprints will stain the black ceramic coating. Do NOT use anything abrasive to clean the pipes as it may remove the finish.

## 2004 - 2013 INSTRUCTIONS

**NOTE:** These instructions are written for late model motorcycles equipped with O2 sensors. If you are installing these pipes on a bike which is not equipped with O2 sensors, ignore all instructions which reference them. Additionally you will need to purchase an O2 sensor block off kit P/N 99-1002 (sold individually).

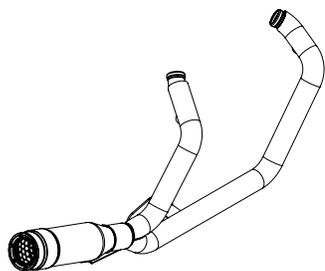
1. Find and unplug the O2 sensor wires from the wiring harness and remove nylon cable tie holding front wire to frame. Feed the end of the wires through the frame so they are free from the motorcycle. **NOTE:** Pay attention to wire routing for re-installation.
2. Loosen the heat shield clamps on both the front and rear exhaust pipes. This allows easier access to the head pipe mounting nuts.
3. Remove the two head pipe mounting nuts from each flange, located at the cylinder head.
4. Remove the clamp bolt which mounts the rear head pipe to the belt drive cover bracket.
5. Remove the two bolts from each muffler body where they attach to the mounting bar. Carefully remove exhaust pipes from the motorcycle and set aside.
6. Using a 7/8" or 22mm wrench, carefully remove the O2 sensors from the stock head pipes and save for re-use with the new system.
7. Remove the drive belt cover and take the bracket off the rear cover bolt, the bracket will not be re-used.
8. Loosen the brake rod at the rear eyelet using a T30 torx driver.
9. Remove the three mount bolts and washers attaching the exhaust mounting bar (save hardware for re-use).
10. Carefully remove exhaust port flanges and circlips from the stock exhaust system using snapping pliers. **NOTE:** Replace bent or damaged circlips. Check exhaust port gasket condition. **NOTE:** We always recommended replacement of exhaust port gaskets, Harley part number: 665324-83B.
11. Install and tighten supplied mounting bracket using stock washers and bolts. **NOTE:** To aid in bracket alignment loosely install the bottom 1/4"-20 cap screw for the belt cover through the small hole in the bracket while tightening the bracket bolts. Torque to 30-33 Ft/Lbs.
12. Re-install drive belt cover. Torque the 3/8" bolt to 30-33 Ft/Lbs. and the two 1/4" bolts to 80-120 In/Lbs.
13. Re-install brake rod eyelet using removable thread locking compound (Loctite® 243 recommended). Torque to 120-180 In/Lbs.
14. Remove header pipes and heat shields from protective packaging. Place each heat shield on a non-abrasive surface such as a blanket or carpet. Using a felt tip pen (pencil on black systems), mark outside edge of each heat shield to show location of mounting clips where hose clamps will loop through.
15. Apply masking tape to the front edge of the muffler casing and the heat shields (including collector heat shield/ muffler clamp assembly) where they will butt up, this will help prevent scratching during installation. Lay head pipe into heat shields and loosely install hose clamps by feeding tail end of clamp into heat shield clips. Screw heads should be accessible when system is installed on motorcycle for adjustment purposes.
16. Apply a small amount of anti-seize compound to the threads of the O2 sensors and supplied adaptors. Install them into the new head pipes. **NOTE:** Be careful not to get anti-seize on sensor tip, it may affect sensor function.
17. Using snapping pliers install circlips and flanges from the stock system onto new head pipe.
18. Using stock flange nuts, carefully install head pipe into exhaust ports (Assistance may be required). **NOTE:** Do not tighten at this time.
19. Slide carriage bolts (supplied) inside bracket welded to backside of muffler body.
20. Slide collector heat shield/ muffler clamp assembly over the front of the muffler body. Attach muffler body to mounting bracket using flange nuts (supplied). **NOTE:** As you tighten the muffler to the bracket be certain that the carriage bolts are centered in the square holes and that the square portion of the shanks are not hung up on the outer surface of the bracket.
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27. Now get out there and RIDE!

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### 11-1008 BLACK

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### DISCLAIMER

Firebrand exhaust systems are warranted against defects in material and workmanship for a period of one year from the date of purchase from an authorized dealer. This warranty does not cover discoloration or rust of chrome finishes. This warranty is limited to the repair or replacement of a product proven to be defective from normal use. Firebrand exhaust systems are designed to fit and operate on OEM motor and chassis. This warranty does not cover any product subject to abuse, misuse, improper installation or modification. Every effort is made for Firebrand Exhaust Systems to provide improved cornering clearance. However, due to design and space limitations on some motorcycle models, ground and cornering clearance may not be improved and in some cases may be reduced. When changing out performance related components it is recommended to adjust fuel mapping to maximize performance and reliability. Be sure to follow proper installation instructions. Aftermarket products that remove OEM pollution control components are not permitted for street use in California. Please check with your local Municipality or visit the CARB website at [www.arb.ca.gov](http://www.arb.ca.gov).

### TOOLS REQUIRED

- FLATBLADE SCREWDRIVER OR 5/16" NUTDRIVER
- 1/2", 9/16" & 7/8" COMBINATION WRENCHES
- RATCHET & EXTENSIONS, 1/2" & 9/16" SOCKETS
- 3/16" & 5/16" ALLEN & T30 TORX WRENCHES
- EXTERNAL SNAPPING & NEEDLE NOSE PLIERS
- TORQUE WRENCHES
- MASKING TAPE

**firebrand**<sup>™</sup>  
ANYTHING BUT NEUTRAL

