

INSTALLATION INSTRUCTIONS

DRAG SPECIALTIES PYTHON STAGGERED EXHAUST FOR DYNAS P/N 1800-0241

ATTENTION INSTALLER (if other than owner): Please forward this Instruction Sheet to the purchaser of this product. These instructions contain valuable information necessary to the end user.

INTRODUCTION: These instructions describe the procedure for properly installing the Python Staggered exhaust on Dyna models with O₂ sensors.

Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations.

NOTE: A NOTE: Provides key information to make procedures easier or clearer.

CAUTION: A CAUTION: Indicates special procedures that must be followed to avoid damage to the motorcycle and/or accessories.

WARNING! A WARNING!: Indicates special procedures that must be followed to avoid injury to a motorcycle operator or person inspecting or repairing the motorcycle.

PROCEDURE: STOCK EXHAUST SYSTEM REMOVAL

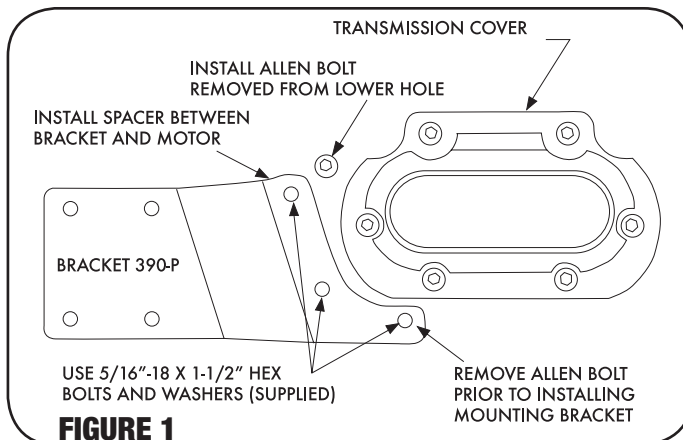
1. Remove seat to gain access to rear oxygen sensor connector. Unplug sensor and feed end of wire through frame so that it is free from motorcycle.

NOTE: Pay attention to wire routing for reinstallation.

2. Remove two bolts holding rectifier onto front of frame (near front tire). Open plastic cover to gain access to front oxygen sensor connector. Unplug sensor from harness. Remove cable tie holding wire to frame and feed wire through so that it is free from motorcycle.
3. Loosen heat shield clamps on both the front and rear headpipes.
4. Remove two cylinder exhaust port flange nuts from each headpipe, located at the cylinder head.
5. Remove front headpipe clamp bolt.
6. Remove the bolt that attaches mufflers to the frame mounting bar.
7. Remove the complete exhaust system and set aside.

NOTE: Assistance may be required.

8. Remove stock mounting bar and the studs in the transmission cover. Save bolts, one will be reused.
9. Remove left bolt below the transmission cover. Position mounting bracket 390-P over mounting location to determine which bolts to remove (Figure 1). Install this bolt in the top hole left vacant by the new bracket.
10. Carefully remove the flanges and circlips from the stock exhaust system using snap ring pliers.



NOTE: Replace bent or damaged circlips. Check condition of stock exhaust gaskets. Replace if worn or damaged. We do not recommend the use of OEM cone-style gaskets. The recommended replacement exhaust port gasket is Drag Specialties DS-173220.

11. Remove stock oxygen sensors, they will be reused on new system.

PYTHON EXHAUST SYSTEM INSTALLATION

1. Attach mounting bracket 390-P (supplied) to transmission using stock bolt in top hole. Install two 5/16" x 1 1/2" hex bolts and 5/16" flat washer combinations (supplied) into remaining holes (**Figure 1**).
 2. Install circlips and flanges from the stock system onto both new headpipes.
 3. Apply a small amount of anti-seize compound to the threads of the oxygen sensors and install them into the new headpipes.
- NOTE:** Be careful not to get anti-seize on sensor tip, it may affect sensor function.
4. Remove headpipes 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, mark outside edge of each heat shield to show location of hose clamp mounting clips (**Figure 2**).

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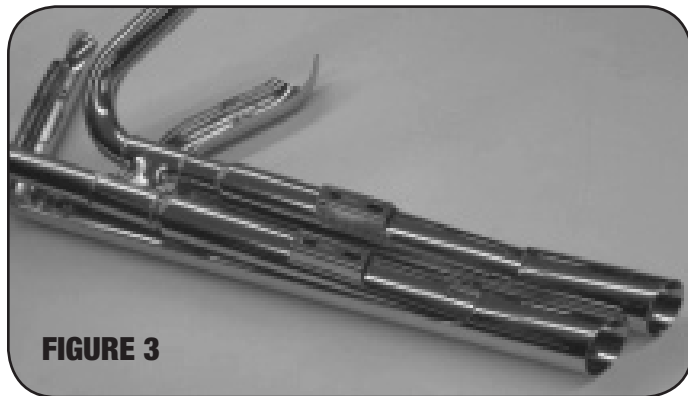


FIGURE 3

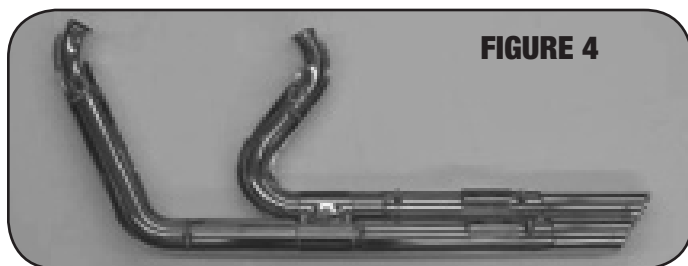


FIGURE 4



FIGURE 5

5. Lay header into heat shields tail end first (**Figure 3**).
 6. Loosely install hose clamps by feeding tail end of clamp into heat shield clips (**Figure 2**). Use #20 hose clamps for head pipe areas and #28 hose clamps for muffler areas. Take note of screw head direction (**Figure 4**). Screw head should be accessible when system is installed on motorcycle for adjustment.
- NOTE:** Do not tighten at this time.
7. Using stock flange nuts, carefully install head pipes into exhaust ports, starting with rear cylinder.
- NOTE:** Assistance may be required.
- NOTE:** Do not tighten at this time.
8. Slide nut plate inside bracket that is welded to backside of muffler bodies (**Figure 5**). While holding nut plates in place, attach muffler bodies to mounting bracket 390-P using four 5/16" x 5/8" flange head bolts (supplied). Leave them loose at this time.

9. Tighten exhaust port flange nuts.
10. Tighten flange bolts securing muffler bodies to mount bracket 390-P.
11. Adjust the heat shields to get the best alignment and tighten all the hose clamps.
12. Feed wire for front oxygen sensor through frame and into plastic holder on frame. Plug sensor into stock wiring connector. Snap plastic holder closed to hold connector in place.
13. Put toothed edge of wiring holder into slot in frame. Reinstall rectifier so that it fits under tooth of wiring holder, keeping it in place in frame. Tighten both bolts.
14. Install a new cable tie to hold wires onto frame in original location.
15. Feed connector for rear oxygen sensor through frame and into under-seat compartment. Plug sensor into stock wiring connector.
16. Re-install seat.
17. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
18. Be sure to tighten all hardware before starting your motorcycle.

WARNING! Before operating motorcycle, be sure all hardware is tight. Every effort is made for Python 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. Be sure to follow proper installation instructions.

RE-JETTING INSTRUCTIONS

Re-jetting the carburetors will result in realizing the full potential of this performance exhaust system. Jet kits are available for most applications. For fuel-injected models, we recommend the use of an adjustable fuel-management system.

HELPFUL HINTS TO AVOID DISCOLORATION OF EXHAUST PIPES

1. Follow the owner's manual instructions regarding the use of the choke (starter enrichener). If left on longer than recommended, discoloration may be accelerated.
2. Avoid long periods of idling.
3. Intake leaks can cause engine to run lean and overheat, thus turning the pipes blue.
4. Make sure there are no exhaust leaks at the junction of the exhaust pipe and cylinder head.
5. When installing a new set of chrome pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with a cleaning solvent that will leave no residue (glass cleaner, alcohol, ammonia, etc.) before starting the motorcycle.

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