

# INSTALLATION INSTRUCTIONS

## DRAG SPECIALTIES PYTHON TRUE DUALS P/N 1800-0742

**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 True Dual Headers on 2007-2008 Dresser models.

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.



### TOOLS REQUIRED:

Snap-ring pliers  
Flat blade screwdriver  
Ft.-lb. torque wrench  
5/16" nut-driver  
3/8" ratchet and extensions  
1/2" socket, 7/16", 1/2" & 9/16" deep sockets,  
1/4" and 3/8" Allen sockets  
1/2" and 7/8" or 22mm combination wrench  
3/8" Allen wrench

**NOTE:** These headers should be compatible with Dresser mufflers designed to be used on 95-08 FLT, FLHT, FLHR and FLTR models with the OEM header pipes.

### PROCEDURE:

#### REMOVAL OF STOCK EXHAUST:

1. Remove both left and right saddlebags and set them aside.
2. Loosen the bolt from the pinch clamp on the front end of each muffler.
3. Remove the two 5/16" bolts that mount the muffler to the saddlebag supports. Repeat this step on the opposite muffler (save these parts, they will be re-used).
4. Remove the stock mufflers with sliding hangers and set them aside.

**NOTE:** It may be necessary to use a penetrating lubricant to loosen the muffler from the headpipe.

5. Find and unplug the O<sub>2</sub> sensor wires from the wiring harness and remove 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.

6. Remove the right hand floorboard.
7. Remove both passenger floorboards.
8. Loosen the heat shield clamps on both front and rear exhaust pipes.
9. Loosen the rear headpipe clamp located behind the rear cylinder. Remove the section of headpipe connecting the left side muffler.
10. Remove the nut and carriage bolt holding the front headpipe to the bracket on the transmission housing (save these parts, they will be re-used).
11. Remove the two flange nuts from each headpipe, located at the cylinder head. Carefully remove the headpipes and set them aside.
12. Using a 7/8" or 22mm wrench, carefully remove the O<sub>2</sub> sensors from the stock headpipes and save for re-use with the new system.

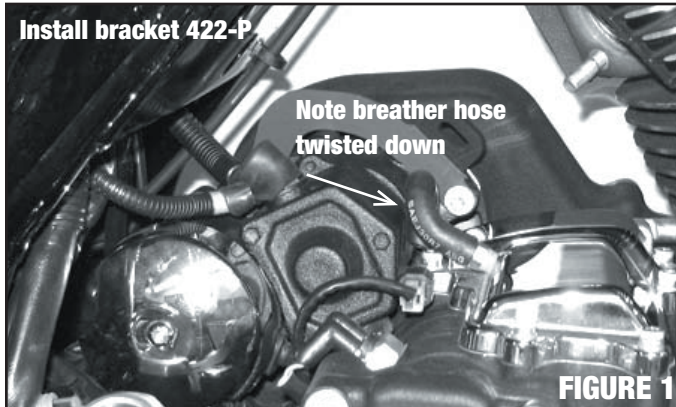
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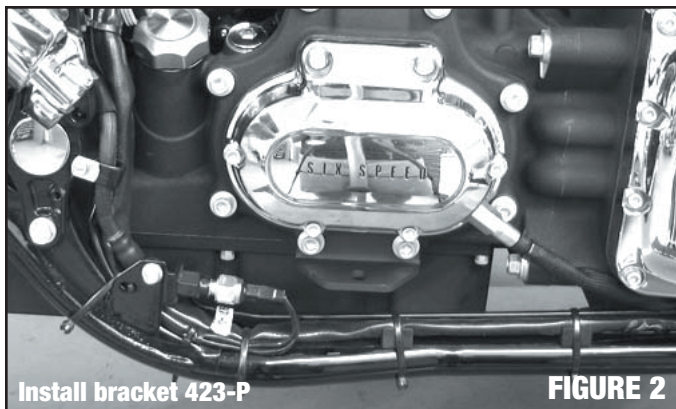
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13. Remove the rear cylinder bracket by removing the two starter mounting bolts. Install new bracket (stamped 422-P; supplied) and torque to 13-16 ft. lbs. (Figure 1).



**NOTE:** Twist breather hose down towards the left hand side to get it as far away from the pipe as possible.

14. Install mounting post (from stock system) so the nut is accessible from right side of motorcycle and saddle will support underside of exhaust pipe.
15. Replace the bracket on the transmission housing with new bracket (stamped 423-P; supplied) and torque to 13-16 ft.-lbs. (Figure 2).

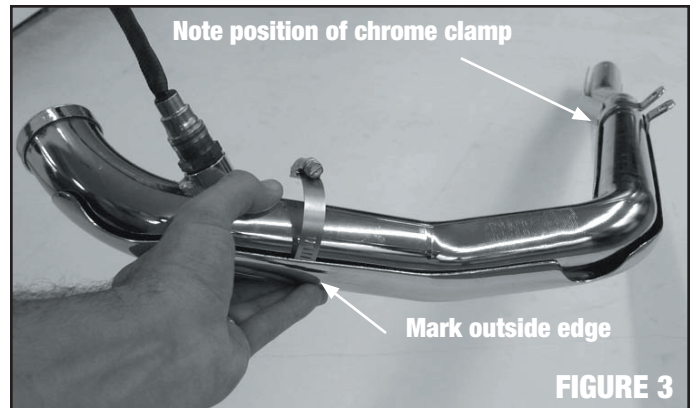


16. Carefully remove the exhaust port flanges and circlips from the stock exhaust system using snap-ring pliers.

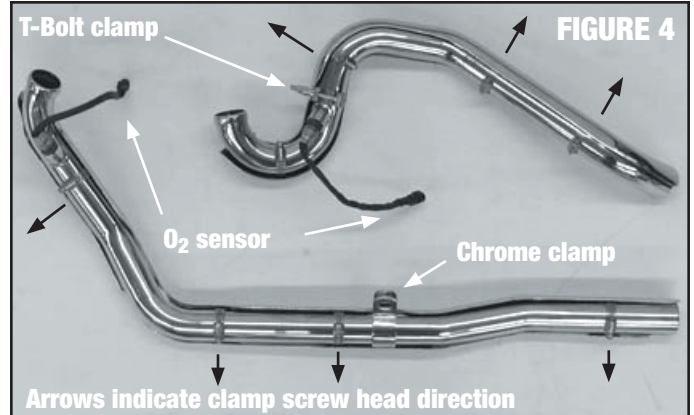
**NOTE:** If circlips look bent or twisted, replace them.

### INSTALLATION OF PYTHON TRUE DUALS:

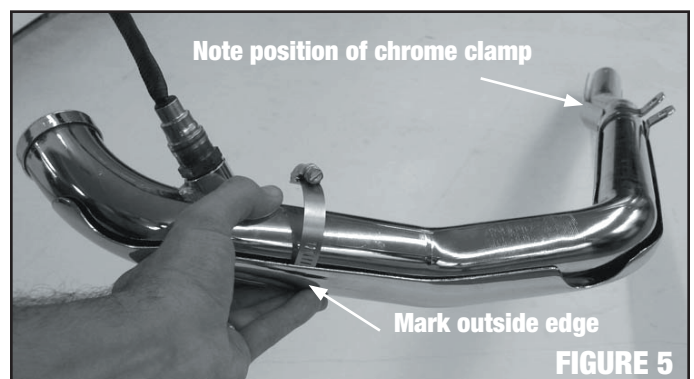
1. Remove headpipes and heat shields from protective packaging. Place each heat shield on a nonabrasive surface such as a blanket or carpet. Using a felt tip pen, mark outside edge of each heat shield to show location of mounting clips that hose clamps (supplied) will loop through (Figure 3).



2. Slide the chrome clamp (supplied) onto the front headpipe (D450FC; supplied) so it sits near its installed position (Figures 3 and 4).



3. On the rear headpipe (D451FC; supplied), slide the T-bolt clamp (Size #58; supplied) up the pipe so it sits on the straight section of pipe closest to the cylinder head. When pipe is installed, clamp nut should hang under headpipe and point towards the engine (Figure 5).



4. Lay the headpipes into the heat shields and install each hose clamp by feeding tail end of clamps into heat shield clips. Take note of location of clamp screw head direction (Figure 3) (screw head must be accessible when system is installed, for adjustment purposes).

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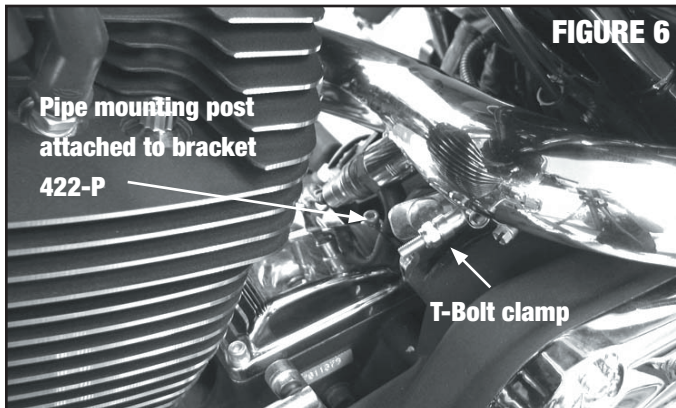
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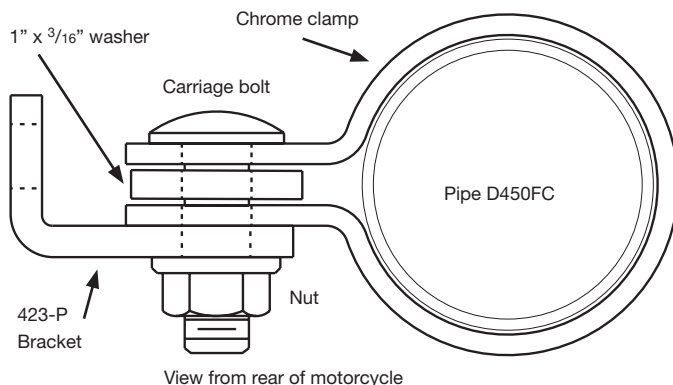
5. Apply a small amount of anti-seize compound to the threads of the O<sub>2</sub> sensors and install them into the new headpipes.

**NOTE:** Be careful not to get anti-seize on sensor tip; it may affect sensor function.

6. Install exhaust port flanges and circlips (from stock system) onto headpipes.
7. Check the stock exhaust gaskets to be sure they are in good shape. If you have any doubts as to their condition, replace them. (Recommended replacement exhaust port gaskets are Drag Specialties part #DS-173220).
8. Install rear headpipe assembly into exhaust port. Use stock flange nuts. Do not tighten at this time.
9. Slide T-bolt clamp (supplied) into position on pipe mounting post attached to bracket 422-P. Do not tighten at this time (**Figure 6**).



10. Install front headpipe assembly into exhaust port, using the stock flange nuts. Do not tighten at this time.
11. Install chrome clamp (supplied) to bracket 423-P under the transmission cover while sandwiching one of the 1" x 3/16" washers (supplied) (**Figure 7**). Do not tighten at this time. On bikes equipped with hydraulic clutches it may be necessary to loosen the bracket in order to slip the carriage bolt through the clamp and bracket.



**FIGURE 7**

12. Install T-bolt clamp (Size #58; supplied) over the front (notched end) of each muffler so the nut faces inward toward the motorcycle (**Figure 8**).



13. Slip the muffler over the headpipe and under the heat shield. Mount the muffler to the saddlebag support using the stock 5/16" bolts and tighten.

**NOTE:** There is a different muffler for the left and right side of the motorcycle. The dent in each canister should always face in.

14. Tighten the exhaust port flange nuts.
  15. Tighten the chrome and T-bolt clamps on the headpipes.
  16. Adjust the rear cylinder support bracket (if necessary) and tighten the securing nut.
- NOTE:** This nut is difficult to reach and you may have to determine the mounting post location, remove the pipe and then tighten this nut.
17. Tighten the two muffler clamps.
  18. Tighten the hose clamps securing the heat shields.
  19. Plug O<sub>2</sub> sensor wires back into wiring harness and route wires away from hot areas of motorcycle. Use nylon cable tie (supplied) to replace removed tie on the front headpipe O<sub>2</sub> sensor wire.

20. Reinstall the right hand floorboard using two 1" x 3/16" washers (supplied) and 1/2" x 1 1/4" Allen bolts (supplied) to space the floorboard away from the front headpipe.

21. Reinstall both passenger floorboards.

**NOTE:** Floorboards can be installed in three positions. Install both floorboards at the same height.

22. Be sure to tighten all hardware before starting your motorcycle.

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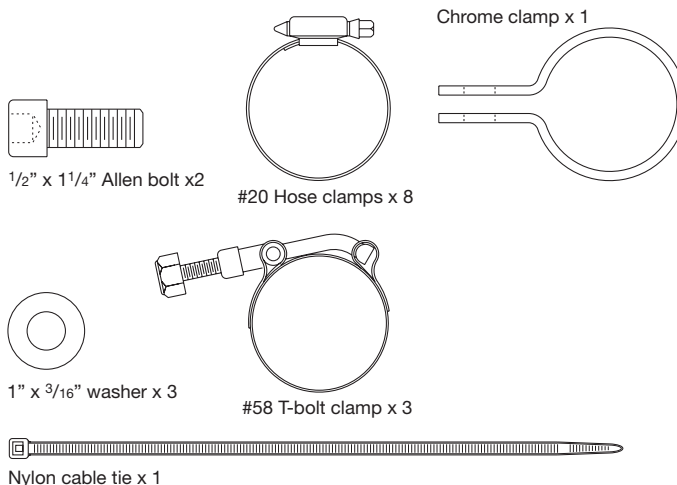
23. After installation and before starting motorcycle, completely clean pipes and mufflers with cleaning solvent and a clean, soft cloth that will not leave a residue.

**NOTE:** Any residue, oil, or fingerprints will stain the chrome when the metal heats up.

**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

For fuel-injected models, we recommend the use of an adjustable fuel management system, which will result in realizing the "full" potential of this performance exhaust system.



### Parts not shown

422-P Bracket x 1  
423-P Bracket x 1  
D450FC Front headpipe x 1  
D451FC Rear headpipe x 1  
D450HC Front heat shield x 1  
D451HC Rear heat shield x 1

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