

# INSTALLATION INSTRUCTIONS

## DRAG SPECIALTIES PYTHON THROWBACK EXHAUST FOR DYNAS P/N 1800-1313

**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 Throwback exhaust system on 06-11 Dyna 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:

Gloves & safety glasses recommended  
Flat blade & Phillips screwdriver  
Snap ring pliers  
5/16" Nut driver  
3/8" Ratchet & extensions  
7/16", 1/2" & 9/16" Sockets  
1/2", 9/16" & 7/8" Combination wrenches  
3/16" & 1/4" Allen wrenches

### 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 to free it from motorcycle.

**NOTE:** Pay attention to wire routing for re-installation.

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 end of wire through to free it from motorcycle.

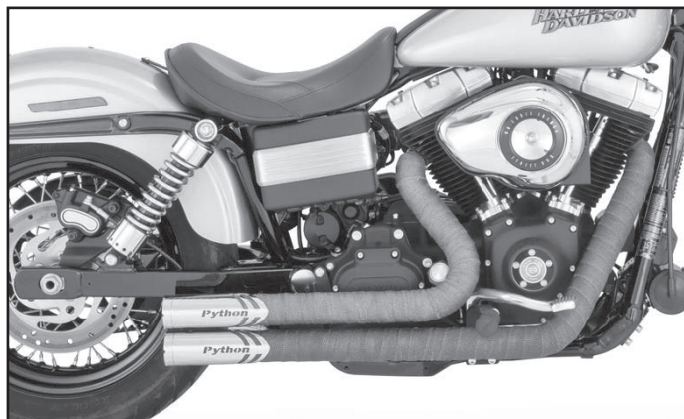
3. Loosen heat shield clamps on both the front and rear headpipes.

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 (assistance may be required).



8. Remove stock mounting bar and the studs in the transmission cover. Save the bolts; one will be re-used.
9. Remove left-hand bolt below the transmission cover. Position mounting bracket 713-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.

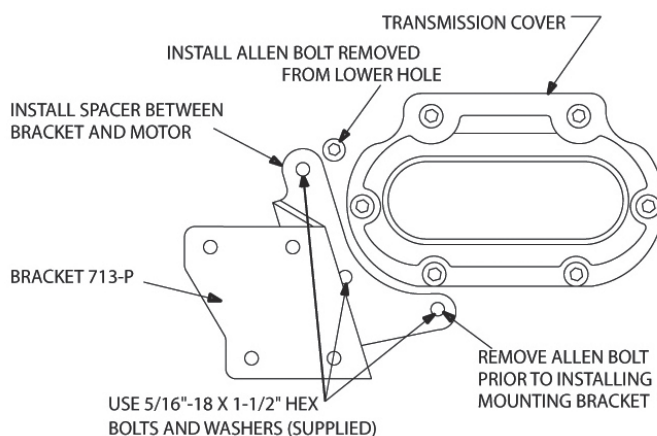


Figure 1

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.

11. Using a 7/8" or 22mm wrench, remove stock oxygen sensors. They will be re-used.



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### PYTHON EXHAUST INSTALLATION

1. Attach mounting bracket 713-P (supplied) to transmission using three  $\frac{5}{16}$ " x  $1\frac{1}{2}$ " hex bolts and  $\frac{5}{16}$ " flat washer combinations (supplied) (Figure 1).

**NOTE:** The  $\frac{11}{16}$ " spacer and longer bolt are not required for 2006-2007 models.

2. Remove headpipes from protective packaging.
3. Install circlips and flanges from stock system onto both new headpipes.
4. 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.

5. Using stock flange nuts, carefully install headpipes into exhaust ports, starting with the rear cylinder. Assistance may be required.

**NOTE:** Do not tighten at this time.

6. Slide nut plate inside bracket that is welded to backside of muffler bodies. While holding nut plates in place, attach muffler bodies to mounting bracket 713-P using four  $\frac{5}{16}$ " x  $\frac{5}{8}$ " flange head bolts (supplied). Leave them loose at this time.

**NOTE:** Muffler body bracket should align with top edge of mounting bracket 713-P.

7. Tighten cylinder port exhaust flange nuts on front and rear cylinders while making sure pipes are parallel.
8. Tighten the flange bolts on both mufflers.
9. 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.

10. Put toothed edge of wiring holder into slot in frame. Re-install rectifier so that it fits under tooth of wiring holder, keeping it in place in frame. Tighten both bolts.
11. Install a new cable tie to hold wire onto frame in original location.
12. Feed connector for rear oxygen sensor through frame and into under-seat compartment. Plug sensor into stock wiring connector.
13. Re-install seat.
14. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
15. Be sure to tighten all hardware before starting your motorcycle.

**NOTE:** The P132HC end caps can be adjusted to ensure that the end cap alignment is parallel. The two button head screws retaining each end cap to each of the muffler bodies can be loosened with a  $\frac{5}{32}$ " Allen wrench, and the caps can slide forward and back as needed for alignment.

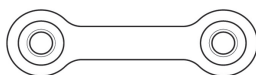
**WARNING!:** The first initial startup will need adequate ventilation. It's normal for the heat wrap to smoke during the first few cycles.

**WARNING!:** AVOID SKIN CONTACT WITH FIBERGLASS MAY CAUSE TEMPORARY IRRITATION – PROTECTIVE EYEWEAR AND GLOVES RECOMMENDED – AVOID INHALATION (OF LOOSE FIBERS).

**NOTE:** 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.

**WARNING!:** Before operating motorcycle, be sure all hardware is tight.

### HARDWARE LISTING



Nut plates x 2



$\frac{5}{16}$ " x  $\frac{5}{8}$ " Flange head bolts x 4



$\frac{5}{16}$ " x  $1\frac{1}{2}$ " Hex Bolts x 3



$\frac{5}{16}$ " Flat Washer x 3



$\frac{11}{16}$ " x  $\frac{9}{16}$ " Spacer x 1



Nylon Cable Tie x 1

#### PARTS NOT SHOWN:

713-P Bracket	x 1
P332FC Front head pipe	x 1
P333FC Rear head pipe	x 1

