



**Feel the Power of Freedom**

**EXHAUST SYSTEM # HD00072  
AMENDMENT (2-2)**

Congratulations, you have acquired the finest aftermarket performance exhaust system available for your motorcycle. Your FREEDOM PERFORMANCE exhaust system was designed to perform fit and give the optimum sound and style at a very affordable price

Please follow the installation instructions and please do not hesitate to call us for any technical questions at (310) 324-0415



### ***REMOVING THE STOCK EXHAUST SYSTEM***

1. Loosen all heat shield worm clamps on both the front and rear head pipes.
2. Remove cylinder exhaust port flange nuts from each head pipe, positioned at the cylinder head and save for re-installation.
3. If equipped, remove front carriage bolt and clamp holding the front head pipe
4. Remove bolt that holds mufflers to the transmission mounting bracket.
5. Remove complete exhaust system. Note: some assistance may be required.
6. Now remove the stock mounting bar and set aside.
7. If equipped remove the front bracket that was holding the clamp on the front head pipe.
8. Remove the two lower and left bolts from the transmission cover to allow the installation of the new mounting bracket.
9. Remove both circlips and flanges from stock exhaust system using snapping pliers. Inspect circlips prior to installation and if they are damaged, replace them. Inspect gaskets if damaged or worn replace them. Exhaust port gaskets, Harley part number: 17048-98.

Note: use good and safe practices when removing and installing your new exhaust system to prevent injuries that includes but is not limited to such safety glasses and gloves. When installing make sure gloves are not abrasive or damage may occur like scratching parts. Always secure motorcycle before any work is done.

## ***FREEDOM PERFORMANCE EXHAUST SYSTEM INSTALLATION***

1. Remove header and heat shields from protective foam packaging. Place them in a non-abrasive surface such as a blanket or carpet. Slide header into heat shields tail end first.
2. With a marker, mark the edge of the heat shield exactly at the middle of each heat shield clips. This is done to easy locate the clips in the heat shield at the time of assembling the head pipe onto the heat shield.
3. Install flanges and circlips (from stock) onto front and rear head pie
4. Lay each head pipe onto its corresponding heat shield and install each hose clamp by feeding tail end of clamps into heat shield clips. Take note of location of clamp screw head direction. (Screw head must be accessible when system is installed on motorcycle for adjustment purposes). Do not tighten at this time yet.
5. Attach mounting bracket MBK-D100-P to motorcycle transmission using three 5/16-18 x 1.250" Allen bolts and washers.(supplied)
6. Attach two carriage bolts 3/8-16 x 3/4" to bracket slots.
7. Inspect both gaskets on the engine port and replace if damaged or worn. (Harley part number: 17048-98.)
8. Install front head pipe first into exhaust ports by first carefully sliding the channel bracket welded on the head pipe to the head of the carriage bolt (on the mounting bracket) to engage and function as support as the header is aligned with the exhaust port.
9. Install port flange nuts and Repeat step 9 with the rear header. Note: do not tighten at this time yet.
10. Align both pipes and tighten to the mounting bracket bolts first then to the exhaust port flanges.
11. Adjust both front and rear heat shield, then tighten worm clamps.
12. Now check for enough clearance between the exhaust system components and motorcycle accessories prone to heat damage.
13. It is vital when installing a new chrome exhaust system; please make sure that your hands are clean with no oil. Right after installation is done, in detail, clean your new exhaust system with a soft cloth (to prevent scratches) and you could use the following (chrome wax, glass cleaner, alcohol, or ammonia before starting the engine.

**Note: Be sure to tighten all hardware before starting your engine. Retighten after the first 100 miles.**

*At freedom performance Inc. attempts have been made to provide enhanced concerning Clearances. However, due to some designs and space boundaries, ground and cornering clearance may not be improved and in some cases may even be reduced.*

### **WARNING!**

**FREEDOM PERFORMANCE DOES NOT WARRANTY ANY CHROME OR PAINTED PRODUCTS AGAINST DISCOLORATION.**

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