



**Feel the Power of Freedom**

## EXHAUST SYSTEM # HD00021 UNION (2-1) COLLECTOR

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 clamps on both the front and rear head pipes.
2. Remove the two cylinder exhaust port flange nuts from each head pipe, located at the cylinder head.
3. Remove both front and rear head pipe clamp bolts.
4. Remove complete exhaust system. Assistance may be required.
5. Remove rear head pipe clamp bracket from transmission cover.
6. Remove bolt below left side of the transmission cover.
7. Carefully remove the cylinder exhaust port flanges and circlips from the stock exhaust system using snap-ring pliers. **NOTE: Replace bent or damaged circlips. Check exhausts port gasket condition.** . FREEDOM PERFORMANCE strongly recommends replacement of exhaust port gaskets, Harley part number: 17048-98.

### *FREEDOM PERFORMANCE EXHAUST SYSTEM INSTALLATION*

1. Take out all products from packaging. Install bracket MBK-D105-P using supplied 5/16-18 x 1.250" Allen bolts and washers. Remove needed Allen bolts from the transmission. **Note:** mounting bracket has slot in the left side of the bracket, this is to allow the bracket to adjust up or down as needed.
2. Remove header from box and carefully insert flanges and circlips (stock) **Note:** If circlips are bent or damaged replace them.

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.

3. Unscrew all hose clamps (supplied) until they are completely loose. Place heat shields in a Surface blanket or carpet. (This is to reduce the risk of scratching chrome on heat shields).
4. Carefully install the header using stock head pipe flange nuts (leave nuts loose).
5. Install collector heat shield (front and rear heat shields will be installed later)
6. DO NOT INSTALL THE BIGGER CLAMP AT THE END OF THE COLLECTOR HEAT SHIELD YET (#28). **Note: Do not force collector heat shield directly onto header collector from the side. Damage to collector heat shield will result.**
7. To facilitate installation of collector heat shield, use a forward sliding motion from the rear of collector.
8. Install pinch clamp over inner slip joint tube at front of rolled edge muffler. Slip rolled edge muffler onto header collector engaging both collector as well as collector heat shield. Install carriage bolts on the muffler and mounting bracket rotate pinch clamp to the least visible position.
9. Align header with rolled edge muffler and tighten pinch clamp.
10. Tighten head pipe flange nuts evenly, securing front and rear head pipes to cylinder heads. Now tighten to transmission bracket **Note:** if mounting bracket is not aligned loosen it from the transmission and adjust it as needed.
11. Position the front heat shield over the head pipe and feed the tail end of hose clamps into clips. Be sure that each hose clamp is engaged with clips. Repeat this step for rear heat shield
12. Align front, rear and collector heat shields so ends meet flush and Tighten heat shield clamps. Now install the last clamp #28 on the collector heat shield. Now make sure all bolts are tightened securely.
13. Remove oil and finger prints from chrome using a soft cotton cloth and chrome polish before starting engine.
14. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.

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

**Re -mapping is strongly recommended by FREEDOM PERFORMANCE**

*Every attempt has been made to provide improved cornering Clearance. However, due to design and space boundaries on some motorcycle models, 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 BLACK FINISH PRODUCTS AGAINST DISCOLORATION.**

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.