



Feel the Power of Freedom

## EXHAUST SYSTEM # IN00041 LIBERTY SLIP-ONS (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



### PACKAGING IN00041-HW (\*) =ASSEMBLED

PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION	QTY
MIN210-F5	RIGHT SIDE MUFFLER	1	HWB0051	¼"-20 X ½" BUTTON HEAD CAP SCREW ZINC PLATED*	6
MIN211-F5	LEFT SIDE MUFFLER	1	HWW0003	¼" SPLIT WASHER ZINC PLATED*	6
A142-LCB-F8	LOUVER CORE BAFFLE*	2	IN00041-HW	HARDWARE BOX	1
A190ECA-F9	ROLLED EDGE END CAP*	2	IN00041-INS	INSTRUCTION MANUAL	1
HWC0005	HOSE CLAMP # 56 STAINLESS STEEL	2			

### REMOVING THE STOCK EXHAUST SYSTEM

1. Place motorcycle on a stand or a ramp, make sure it is secured to prevent injuries to yourself and damages to your motorcycle, always refer to owner's manual for proper torque specifications. If engine is hot, let it cool down, exhaust components get very HOT and may cause serious burns if touched.
2. Motorcycles equipped with electronics running inside saddle bags remove plastic side covers to disengage harness on both sides. **See owner's manual for proper procedures. (see figure 1.1)**
3. Remove saddle bags and place them aside. **See owner's manual for proper procedures. (see figure 1.1)**
4. Loosen and remove hose clamp holding stock shield against muffler using a flat screw driver. There is one clamp in front of every muffler, make sure to remember the route its route as you will need to install a new one in the same way the stock clamp was in place.
5. Loosen the main clamp holding the mufflers in place using a 15mm socket or wrench. These clamps are located in front of the muffler nose. Note: in may be necessary to apply some type of lubricant to easy the removal of the muffler. **(see figure 1.2)**
6. Remove the two screws on each muffler holding it to the fender bracket, use a 13mm deep socket and save screws to be re-used with your new system. Some assistance may be required. **(see figure 1.3)**
7. Remove both mufflers by pulling backwards.
8. Once the mufflers have been removed and put aside, remove clamps by sliding them out and remove rubber grommets, you will re-use them in your new system.

### FREEDOM PERFORMANCE EXHAUST SYSTEM INSTALLATION

1. Remove exhaust system from protective packaging, it has been pre-assembled for easy installation. Place parts in a non-abrasive surface such as a blanket or carpet. By doing this you can avoid scratching the parts in the in installation process. We recommend using painters tape to cover parts and accessories on areas where damage can occur during installation.
2. Slide a stock clamp in front of each muffler with the screw facing down as it was with the stock mufflers.
3. Clean the end of the stock pipe both right and left side pipes.

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.

4. Slide right side muffler marked as **MIN210-F5** over the right side pipe, you will know how far in it goes, by aligning the bracket welded on the muffler, which needs to be concentric with the holes on the fender bracket, and the permanent nuts welded in the muffler bracket. Secure muffler using the stock screws M8X1.25 and tighten using a 13mm deep socket. **(see figure 2.1)**
5. Install hose clamp. Grab a # 56 hose clamp and guide it thru the clip welded inside the stock shield just it was prior to removal. Make sure screw faces down for easier tightening. **(see figure 2.2)**
6. Tighten muffler clamp using a 15mm socket or wrench, make sure edge of clamp and muffler nose are flush to each other **(see figure 2.3)**
7. repeat step 4 and 5 with the left side muffler marked as **MIN211-F5**
8. Adjust heat shields. Both heat shields must seat against ring welded in front of the canister, adjust as necessary and tighten hose clamp with a flat screw driver or a 5/16" nut driver. **NOTE: DO NOT OVER TIGHTEN HOSE CLAMPS, STOCK SHIELD MATERIAL IS VERY THIN AND OVERTIGHTENING CLAMP WILL MAKE SHIELD WARP OR BREAK.** Left side shield may need to be adjusted by losing both stock clamps.
9. Install rubber grommets back in place.
10. Install saddle bags back in place make sure rubber pads under saddle bags mount right on top of rest bracket welded over the muffler. **Failure to do so will result in damages to saddle bags.**
11. Install side panels back in place. See owner's manual for proper procedures.
12. Clean exhaust system with some chrome cleaner and remove painters tape (if used during installation) before turning on engine. Failure to follow this procedure may result in damages to the chrome finish as oils burn out leaving permanent marks.

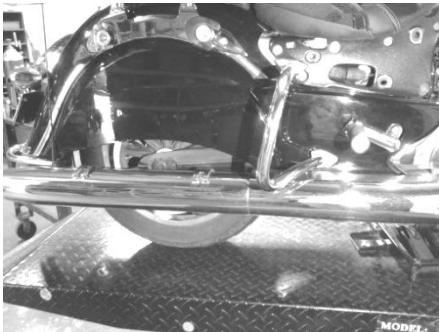
**Note: Be sure to tighten all hardware before starting your engine. Retighten after the first 100 miles.**

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

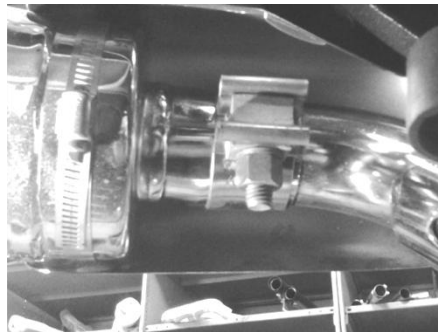
*Every attempt has been made to provide improved cornering Clearance. However, due to design and space boundaries on some motorcycle models, ground and cornering clearance may not be improved and in some cases may even be reduced.*

### **WARNING!**

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



**Figure 1.1** remove side covers and saddle bags



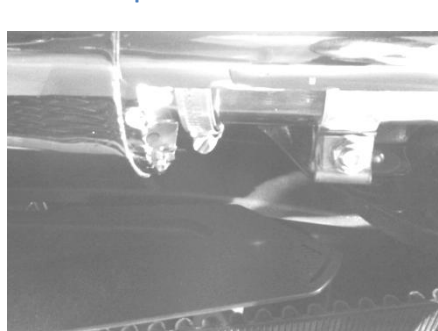
**Figure 1.2** remove hose clamp and loosen muffler clamp



**Figure 1.3** remove bolts (x4)



**Figure 2.1**



**Figure 2.2**



**Figure 2.3**

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.