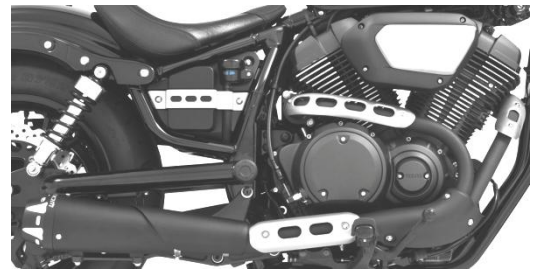




## EXHAUST SYSTEM # MY00149 SHARP CURVE RADIUS (2-2)

Feel the Power of Freedom

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

PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION	QTY
MY225-F5	MUFFLER ASSEMBLY WITH PIPE	1	HWB0037	5/6"-18 X 1-1/4" SOCKET CAP SCREW ZINC PLATED	2
YB100-F2	FRONT PIPE SHIELD	1	HWB0051	3/4"-20 X 1/2" BUTTON HEAD SCREW ZINC PLATED	10
HS115-MP-F2	MEGAPHONE SHIELD SHORT	1	HWB0004	5/16"-24 X 1/2" (12 POINT) CHROME SCREW	6
A146ECA-F10	AMERICAN OUTLAW END CAP	1	HWW0005	5/16" STANDARD FLAT WASHER ZINC PLATED	2
A145-LCB-F8	SYSTEM BAFFLE	1	HWW0006	5/16" SPLIT WASHER ZINC PLATED	2
HWC0002	HOSE CLAMP # 24 STAINLESS STEEL	2	HWW0003	3/4" SPLIT WASHER ZINC PLATED	10
HWC0004	HOSE CLAMP # 40 STAINLESS STEEL	1	HWN0019	3/4"-20 TWO WAY LOCK NUT ZINC PLATED	2
HWC0005	HOSE CLAMP # 56 STAINLESS STEEL	1	MY00149-HW	HARDWARE BOX	1
HWC0006	T-BOLT CLAMP # 60	1	MY00149-INS	INSTRUCTIONS MANUAL	1

### REMOVING THE STOCK EXHAUST SYSTEM

1. Place motorcycle on side stand. Have your owner's manual handy and refer to it as necessary.
2. Locate oxygen sensor harness (if equipped) the harness is covered with a rubber sleeve, disengage harness (refer to owner's manual for instructions) hot to disengage the harness. The Oxygen sensor cable is secured with an adjustable plastic tie in a bundle with other cables (do not cut it) it has a way to release the tension, release the plastic tie tension just enough to pull the sensor cable out. **See figure 1.1**
3. Disconnect oxygen sensor harness **See figure 1.2**
4. **NOTE:** it may be necessary to use penetrating lubricant oil on all heat shield worm clamp screws, bolts and slip joints between muffler and head pipe to ease the removal or any other accessory that may be too tight or rusted.
5. Using a 6mm hex key wrench, loosen the clamp holding the muffler to the headers section **See figure 1.3**
6. Using a 4mm hex key wrench remove the two screws holding the stock shield ( the one with the 2 cut outs) **figure 1.4 & 1.5**
7. Remove the two screws holding the muffler to the mounting bracket using an 8mm hex key wrench. **See figure 1.6**
8. Remove the stock muffler assembly by pulling it backwards (some assistance may be required)
9. Remove Oxygen sensor from stock muffler using a 22mm or 7/8" open wrench and set it aside to be re-used.

### REEDOM PERFORMANCE EXHAUST SYSTEM INSTALLATION

1. Remove exhaust system from protective packaging it has been pre-assembled for easy installation. Place them in a non-abrasive surface such as a blanket or carpet. By doing this you can avoid scratching the parts in the installation process. We recommend using painters tape to cover parts and accessories on areas where damage can occur during installation.
2. Remove parts and hardware from box.
3. Insert t-bolt clamp # 62 on front of inlet section with the bolt facing towards the motorcycle and pointing to the ground. **See figure 2.1**
4. Install oxygen sensor. (if equipped) Apply a small amount of anti-seize compound to the threads of the sensor and install them into the new set of mufflers using a 7/8" or 22 mm. wrench. Be sure **not** to apply anti-seize compound on the sensor tip as may affect the sensors functionality. If not equipped with Oxygen sensor you will need to use a plug (18mm x 1.50 pitch) not included in the hardware kit in the same way as the sensors. **See figure 2.1**
5. Install muffler assembly onto stock header system and align brackets welded to the muffler to the holes on the stock mounting bracket

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.

6. From the hardware kit use the following: two head cap screws 5/16"-18 x 1-1/4" two 5/16" flat washers and two 5/16" split washers. Insert the split washer first onto the screws then the flat washer in that order **See figure 2.2**
7. Tighten T-bolt using a 7/16" deep socket or wrench, you may choose to cut off the tail of the bolt after its tightened if you do so remember to file the sharp edges of the bolt to prevent cuts when cleaning your motorcycle.
8. Tighten bolts holding muffler to mounting bracket using a 1/4" hex key wrench. **See figure 2.2**
9. Using 2 button head screw (1/4"-20X1/2") and 4 split washers (1/4") assemble stock shield with provided heat shield, first insert onto the bolts one split washer then insert the bolts into stock shield and place another split washer onto the screws. (The second split washer is to space the shield outwards) **See figure 2.3**
10. Place the provided heat shield on top of the stock shield and secure it with the two 1/4"-20 lock nuts provided in the hardware kit and tighten them using a 5/32" hex key wrench on the head of the screw and a 7/16" socket or wrench for the nut. **See figure 2.4**
11. Insert two # 24 hose clamps into the clips as shown. **See figure 2.5**
12. Install shields over the inlet section as shown and tighten using a 5/16" nut driver. **figure 2.6**
13. Install secondary megaphone shield using 2 hose clamps # 40 (smaller) in the front and # 56 on the rear (bigger) make sure screw point down on the hose clamps. **figure 2.7**
14. Align heat shield and tighten hose clamps with a 5/16" nut driver. **figure 2.8**
15. Connect Oxygen sensor harness as it was prior to the installation.
16. **Note: Be sure to tighten all hardware before starting your engine. Retighten after the first 100 miles. Clean your new exhaust system before starting the motorcycle.**

### Re-mapping is recommended by FREEDOM PERFORMANCE

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.

For accessories for your new exhaust system please visit [www.freedomperform.com](http://www.freedomperform.com)

And choose from a variety of slip-ons to complement the new look of your bike.

### WARNING

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



Figure 1.1

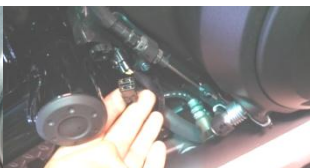


Figure 1.2



Figure 1.3



Figure 1.4



Figure 1.5



Figure 1.6



Figure 2.1



Figure 2.2



Figure 2.3



Figure 2.4



Figure 2.5



Figure 2.6

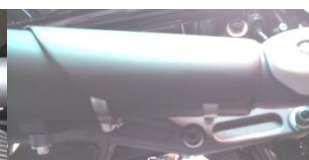


Figure 2.7



Figure 2.8



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