



EXHAUST SYSTEM # HD00349 SHARK TAIL (2-2) SLIP-ONS

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.

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:
MFL220-F5	RIGHT/LEFT STANDARD MUFFLER	2	MBK-FL120-F4	RIGHT SIDE BRACKET #1	1
FL100-ST-F2	RIGHT SIDE HEAT SHIELD	1	MBK-FL121-F4	LEFT SIDE BRACKET #1	1
FL101-ST-F2	LEFT SIDE HEAT SHIELD	1	MBK-FL130-F4	RIGHT SIDE BRACKET #2	1
A103-LCB-F8	SYSTEM BAFFLE	2	MBK-FL131-F4	LEFT SIDE BRACKET #2	1
MBK-M115-F7	BACK PLATE BRACKET	2	WHB0007	5/6-18"X5/8" SERRATED FLANGE SCREW ZINC PLATED	4
A121ECS-F9	SHARK TAIL END CAP	2	HWB0051	1/4"-20X1/2" BUTTON HEAD SCREW ZINC PLATED	4
HWC0003	HOSE CLAMP # 28	6	HWB0001	1/4"-20X3/8" BUTTON HEAD SCREW ZINC PLATED	2
HWC0006	T-BOLT CLAMP # 60	2	HWW0003	1/4" SPLIT WASHER ZINC PLATED	4
			HD00349-INS	INSTALLATION MANUAL	1

REMOVING THE STOCK EXHAUST SYSTEM

- 1) Remove both left and right saddlebags and set them aside in a safe place to prevent scratches.
- 2) Loosen the bolt from the pinch clamp on the front end of each muffler. **Note:** On the older model Dresser, spread the clamps just enough to remove pinch clamps.
- 3) Remove the two 5/16" bolts that mount the muffler to the saddlebag supports. Repeat step 2 on the left side muffler.
- 4) Remove the stock mufflers. **Note:** It may be necessary to use a penetrating lubricant to loosen the muffler from the head pipe.



FREEDOM 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) Install the mounting bracket. Note this system requires that you remove the stock saddle bracket and install one set of the two provided, the reason for it is that depend on which application of headers you may have it will use a different style. The only difference on these brackets is the offset. (Distance from center of saddle bracket to the edge where mufflers it's bolted on. [\(See fig 1.1\)](#))
- 3) Install hose clamps # 28 (3 per muffler) Insert hose clamps engaging heat shield clip (welded inside shield) and muffler making sure screw faces downwards to make it easy when tightening.
- 4) Install T-bolt clamps, slide clamp over the front end of each muffler with the bolt facing down and towards the motorcycle. You may choose to re-use stock clamps.
- 5) Slip the muffler over the head pipe and mount the muffler to the saddlebag support bracket using two 5/16"-18 x 5/8" serrated flange screws and the back plate brackets supplied. Note: make sure flat side of back plate bracket faces towards the screws. [\(See fig 1.2\)](#)
- 6) Align Shark Tail end caps and tighten muffler clamps, if you used stock clamps, use a 9/16" socket or wrench, if you used the T-bolt clamps use a 7/16" socket or wrench.
- 7) Tighten all hose clamps holding shield to muffler using a 5/16" nut driver or flat screw driver.
- 8) Place saddle bags back in their places.
- 9) Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage. **Note: Be sure to tighten all hardware and clean the system (free of oil and grease) before starting your engine. Retighten after the first 100 miles.**

Re-jetting or 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.



Figure 2.1

Figure 1.2

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

Complement the look of your new slip-ons by installing an eye pleasant set of true duals to enhance performance. For information please visit. www.freedomperform.com