



EXHAUST SYSTEM # MY00079 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

PACKAGIN LIST: MY00079-HW

PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION	QTY
VSL100-F1	FRONT HEAD PIPE	1	HWC0010	BARREL CLAMP # 62	2
VSL100-F2	FRONT HEAT SHIELD	1	HWC0002	HOSE CLAMP # 24 STAINLESS STEEL	3
VSL101-F1	REAR HEAD PIPE	1	HWC0003	HOSE CLAMP # 28 STAINLESS STEEL	4
VSL101-F2	REAR HEAT SHIELD	1	HWB0007	5/16"-18 X 5/8" SERRTAED FLANGE BOLT ZINC PLATED	4
MY130-F5	FRONT RADIUS MUFFLER	1	HWB0043	M10 X 1.25 X 50 HEX SCEW ZINC PLATED	2
MY131-F5	REAR RADIUS MUFFLER	1	HWW0014	M10 SPLIT WASHER ZINC PLATED	2
MBK-Y125-F4	MOUNTING BRACKET	1	A114SP	0.750" X 0.156" WALL X 1.000" ALUMINUM SPACER	2
MY00079-INS	INSTRUCTIONS MANUAL	1	MY00079-HW	HARDWARE BOX	1



WARNING: When installing you new exhaust system always refer to owner's manual for torque specifications and follow safety precautions, make sure motorcycle is properly secure to prevent it from falling and that is not hot to prevent burning.

STOCK EXHAUST SYSTEM REMOVAL

1. When removing or installing accessories there is always a chance to scratch motorcycle components, use painters tape on areas prone to scratches during the installation such frame, chrome or painted parts.
2. Loosen the right bolts holding the right side floorboard assembly to tilt it down for an easy removal of stock exhaust and installation of your new exhaust system.
3. Loosen stock heat shields to gain clearance when removing head acorn nuts.
4. Remove acorn nuts securing the header system to the engine port and save for re-use.
5. Unplug O2 sensor harness.
6. Unbolt stock system and remove it, some assistance may be necessary as this is heavy.
7. With a 14mm wrench remove oxygen sensor and save for re-use.
8. Remove stock mounting bracket and set it aside.

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 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 in installation process. We recommend using painters tape to cover parts and accessories on areas where damage can occur during installation.
2. Attach mounting bracket MBK-Y125-F4 using a socket or wrench to motorcycle frame using 10mm x 50mm hex bolt with split washer (supplied) and two spacers 1.000" long and apply a small amount of locking glue on threads of your choice.
3. Models equipped with oxygen sensors Install oxygen sensor (from stock) apply a small amount of anti-seize compound to the threads of the O2 sensors and install it into the new NOTE: Be careful not to get anti-seize on sensor tip, it may affect sensor functionality.
4. Slide 1 Barrel clamp (# 62) in front of the slotted end of the muffler with the bolt facing down and towards transmission, engage front header (**VSL100-F1**) to front muffler (**MY130-F5**)
5. Install front head pipe first into exhaust port by first and carefully aligning the bracket welded on the inner muffler to engage system to the mounting bracket using two 5/16-18 flange serrated bolts. Note: It may be necessary to rotate the inner muffler to align it to the holes on the mounting bracket. Install port flange nuts all the way but, **DO NOT TIGHTEN AT THIS TIME YET.**
6. Repeat step # 4 with the rear header. (**VSL101-F1**) rear pipe and (**MY131-F5**) rear muffler. In this case slide the barrel clamp with the head bolt facing up.
7. Align both pipes, make sure the space between front and rear curved sections have an even gap and tighten to the mounting bracket bolts first using a 1/2" wrench now tighten the exhaust port flanges.
8. Reconnect oxygen sensor harness.
9. Install heat shields. For these steps it is imperative to use caution, space is very tight and scratches may occur. We recommend to use painters tape, cut a small piece and tape it to the edge of the heat shield where the clips are located (these are the clips inside the heat shield) now mark the center of the clip with a pen or marker. Slide the front shield (**VSL100-F2**) over the front muffler and pipe and carefully align it. Now insert the worm clamps in a way that they can be accessed to be tightened. Use clamps as follow: (#24) over the header (#28) over the muffler
10. Repeat step # 9 with the rear heat shield (**VSL101-F2**) Note: we recommend for you to cover the heat shield on top right below where the rear pipe system is to be installed with a non-abrasive rag or painters tape to prevent scratches during installation of rear shield.
11. Align heat shields and tighten clamps using a 5/16 nut driver.
12. Tighten the right side floorboard.
13. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
14. 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 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.