

INSTALLATION INSTRUCTIONS

Description: **Full Size Engine Guard**Part Number: **1000-19****Full Engine Guards are designed to fit with stock exhaust systems and may not fit with aftermarket systems.**Applications: **Honda VTX1800-C Cruiser 2002 - 2008****INSTALLATION on the VTX1800 RETRO or NEON will result in SERIOUS DAMAGE to the BIKE.****WILL NOT Fit with Hondaline #08F72-MCH-1 Lower Cowl**

CONTENTS	Ref	Description	Qty	Ref	Description	Qty	Ref	TOOLS REQUIRED
	1.	Engine Guard	1	8.	3/8" USS Flat Washers	2	1.	3/8" Drive Metric Socket Set
	2.	10mm X 1.25mm X 180mm Hex Bolt	1	9.	1/4" SAE Flat Washer	1	2.	Metric Combo Wrench Set
	3.	10mm X 1.25mm X 120mm Hex Bolt	1	10.	Special U-Bolts	2		
	4.	6mm X 50mm Hex Bolt	1	11.	5/16"-18 Hex Nuts	4		
	5.	1" X 7/16" X 1/2" Spacer	1	12.	5/16" Split Washers	4		
	6.	1" X 7/16" X 1/4" Spacer	1	13.	1/4" USS Flat Washers	4		
	7.	5/8" X 1/4" X 5/8" Spacer	1					

MC Enterprises accessories are designed to fit the stock motorcycle as it was originally manufactured and, with a few exceptions, to be compatible with other MC accessories. The compatibility with other brands of accessories cannot be assured.

**Preparation
Prior to
Installation**

Be sure you read and understand the instructions completely before starting installation to avoid possible injury to yourself or damage to the motorcycle and/or accessory. **NOTICE to the DEALER:** The instructions contain important information for future reference and should be given to customer.

CAUTION**AVOID PERSONAL INJURY INSTALL ON A COLD ENGINE**

NOTE: **WE RECOMMEND TWO PEOPLE INSTALL THE GUARD. ONE TO GUIDE THE GUARD INTO POSITION AND THE OTHER TO ATTACH THE MOUNTING HARDWARE.**

**INSTALLATION
INSTRUCTIONS**

- HOLD THE GUARD UP TO THE BIKE TO FAMILIARIZE YOURSELF WITH THE MOUNTING LOCATION OF ALL COMPONENTS AND THEIR ATTACHMENT POINTS.
- REMOVE THE TOP BOLT THAT HOLDS THE RADIATOR.
- INSTALL THE NEW 6mm X 50mm HEX BOLT WITH THE NEW 1/4" USS FLAT WASHER AND THE NEW 5/8" X 1/4" X 5/8" SPACER BETWEEN THE RADIATOR AND ITS FRAME MOUNT.
- ON THE RIGHT SIDE, REMOVE THE STOCK, UPPER AND LOWER FOOTPEG/BRAKE PEDAL MOUNTING BRACKET BOLTS. SAVE THE SHORTER, UPPER STOCK BOLT FOR USE ON THE LEFT SIDE.
- INSTALL THE NEW 10mm X 1.25mm X 180mm HEX BOLT WITH 3/8" USS FLAT WASHER INTO THE LOWER HOLE, FIRST THROUGH THE MOUNTING BRACKET, THROUGH THE BRAKE LINE PROTECTOR, THROUGH THE NEW 1" X 7/16" X 1/2" SPACER, THROUGH THE LOWER FRAME TUBE THEN SECURE WITH THE STOCK NUT. TIGHTEN LOOSELY.
- INSTALL THE NEW 10mm X 1.25mm X 120mm HEX BOLT WITH 3/8" USS FLAT WASHER INTO THE UPPER HOLE, FIRST THROUGH THE MOUNTING BRACKET, THROUGH THE STOCK SPACER, THEN STOP THERE. YOU WILL FINISH THIS IN STEP 10.
- ON THE LEFT SIDE, REMOVE THE UPPER AND PARTIALLY REMOVE THE LOWER FOOTPEG MOUNTING BRACKET BOLTS. RE-INSERT THE LOWER, STOCK BOLT BACK INTO ITS ORIGINAL POSITION BUT INCLUDE THE NEW 1" X 7/16" X 1/4" SPACER BETWEEN THE STOCK SPACER AND THE FRAME. TIGHTEN LOOSELY.
- PLACE THE ENGINE GUARD INTO POSITION WITH OPEN END UP BY LIFTING ITS UPPER MOUNTING BRACKETS UP OVER THE TOP OF THE RADIATOR THEN LOWERING DOWN BETWEEN THE RADIATOR AND THE FRAME DOWNTUBES.
- ROTATE THE ENGINE GUARDS' LOWER MOUNTING BRACKETS INTO POSITION THEN ON THE LEFT SIDE OF THE BIKE, INSERT THE STOCK BOLT YOU REMOVED IN STEP 4 FIRST THROUGH THE FOOTPEG MOUNTING BRACKET, THROUGH THE STOCK SPACER, THROUGH THE ENGINE GUARDS' LOWER, LEFT MOUNTING BRACKET THEN THREAD INTO THE FRAME. TIGHEN LOOSELY.
- ON THE RIGHT SIDE OF THE BIKE, PUSH THE 10mm X 1.25mm X 120mm HEX BOLT THAT YOU PARTIALLY INSTALLED IN STEP 6, THROUGH THE ENGINE GUARDS' LOWER, RIGHT MOUNTING BRACKET, THROUGH THE FRAME TUBE THEN SECURE WITH THE STOCK NUT. TIGHTEN LOOSELY.

- 11. FOR THE UPPER MOUNTING POINTS, POSITION THE SPECIAL U-BOLTS AROUND THE FRAME DOWNTUBES BETWEEN THE FORWARD CYLINDER HEAD AND THE DOWNTUBES, THROUGH THE ENGINE GUARDS' UPPER MOUNTING BRACKETS THEN SECURE WITH THE 5/16"-18 HEX NUTS, 1/4" USS FLAT WASHERS AND 5/16" SPLIT WASHERS. TIGHTEN LOOSELY.
- 12. CHECK CLEARANCES AND ALIGNMENT THEN TIGHTEN ALL COMPONENTS SECURELY.

WARNING: BEFORE RIDING CHECK AND ADJUST THE BRAKE PEDAL TO INSURE IT DOESN'T CONTACT THE ENGINE GUARD UNDER HEAVY BRAKING.

20. WE RECOMMEND THE USE OF A THREAD SEALANT LIKE VIBRA-TITE ON ALL FASTENERS.

NOTE: CHECK THE TIGHTNESS OF ALL FASTENERS AFTER 50 MILES (80 KILOMETERS) AND DURING EACH PERIODIC MAINTENANCE THEREAFTER. LOOSE FASTENERS CAN IMPAIR THE STABILITY OF THE MOTORCYCLE.