



The Coolest Name in Pipes

Installation Instructions For 3" BIG Straights on a 2002 Honda VTX 1800 R & S

Part Number 45-2830

Congratulations! You have purchased the finest exhaust system available on the market today! Your Hard-Krome exhaust system has been carefully designed and tested in the dyno room and on the road to ensure the best performance possible for your motorcycle. ALL Hard-Krome exhaust systems feature our exclusive, patented Double wall Technology Construction that makes your pipes look as beautiful as the day you purchased them. Because of this technology, you can ride mile after mile without ever worrying about your pipes discoloring or turning blue.

These instructions have been carefully prepared to ensure proper installation of your new Hard-Krome exhaust system. Following all the steps listed will ensure correct fit and performance as intended.

Questions? Problems? Call the Hard-Krome Technical Help Line at 1-800-854-9134. Or visit our Web site - www.hardkrome.com.

The Best-Damned Warranty in the Business! Hard-Krome warrants this exhaust system against bluing and/or discoloration for one year. Period.

NOTE: All Hard-Krome exhaust systems are designed to fit specific motorcycle makes and models. But because of its unique performance and design, extra care may be required when turning, cornering or parking your motorcycle, even though this Hard-Krome exhaust system has been properly installed according to instructions on a stock motorcycle.

Tools Required For Installation

NOTE: 3/8-inch drive sockets are recommended

Wrench/Socket Sizes:

11 mm open-end/box combination wrench
12 mm open-end/box combination wrench
13 mm open-end/box combination wrench
17 mm open-end/box combination wrench
9/16-in. open-end/box combination wrench
6 mm Allen key
Standard slotted screwdriver
Standard pliers

Masking tape to prevent scratches

NOTE: Take care when removing all mechanical fasteners - including nuts, bolts, washers, clips or pins - that secure or support your motorcycle's stock exhaust system. Replace all damaged, twisted, cross-threaded, corroded or broken fasteners, clips or supports prior to installing this Hard-Krome exhaust system on your motorcycle.

WARNING: Allow sufficient time for your motorcycle's engine and exhaust system to cool down prior to removal of the stock exhaust and installation of this Hard-Krome exhaust system. It is safe to work on your motorcycle when the engine and exhaust system are cool to the touch.

Stock Exhaust System Removal

1. Remove right side Foot peg assembly or Floorboard. (Whichever is applicable to your model.)
2. Remove O2 sensors from each muffler and cover with supplied cap plug.
3. Loosen clamps at mufflers.
4. Remove bolts that are holding mufflers at rear mounting bracket.
5. Remove mufflers.
6. Remove the two nuts that secure the rear exhaust header pipe to the rear cylinder head.
7. Remove rear pipe assembly.
8. Remove the two nuts that secure the front exhaust header pipe to the front cylinder head.
9. Remove front pipe assembly.

Hard-Krome Exhaust System Installation

NOTE: Take care when fitting this Hard-Krome aftermarket exhaust system on your motorcycle. It has been designed to replace a STOCK exhaust system on a motorcycle with its engine, frame and other components in their STOCK design, configuration and location.

WARNING: Re-check and re-tighten ALL fasteners and supports after 50 miles, then re-check and tighten as necessary on a periodic basis to ensure proper operation and performance.

NOTE: All fasteners should be loose during initial installation to ensure proper fit and location of the new exhaust system.

1. Install new exhaust gaskets.
2. Install mounting bracket using Bolts with flat & lock washers. (See Illustration)
3. Install Front exhaust header pipe, taking care to not scratch chrome surfaces on pipe, engine or motorcycle — use masking tape as needed.

4. Install the two nuts to secure the flange that holds the exhaust header pipe to the front cylinder head — DO NOT TIGHTEN NUTS!
5. Install 3/8-16 Square nut into each slotted bracket of front pipe and start the 3/8-16x3/4" Bolt with flat & lock washer through backside of mounting bracket. — DO NOT TIGHTEN BOLTS!
6. Carefully install rear pipe.
7. Install the two nuts to secure the flange that holds the exhaust header pipe to the front cylinder head — DO NOT TIGHTEN NUTS!
8. Install 3/8-16 Square nut into each slotted bracket of rear pipe and start the 3/8-16x3/4" Bolt with flat & lock washer through backside of mounting bracket. — DO NOT TIGHTEN BOLTS!
9. Tighten the two bolts that secure the rear exhaust header pipe flange.
10. Tighten the two bolts that secure the front exhaust header pipe flange.
11. Tighten front pipe bolts at mounting bracket.
12. Tighten rear pipe bolts at mounting bracket.
13. Reinstall foot peg assembly or floorboard.
14. If applicable to your model install foot peg relocating brackets and foot pegs as shown in illustration.
15. Before starting bike wipe off any fingerprints and grease off pipes. Start bike and check for any exhaust leaks.

NOTE: To achieve optimum performance from your Hard-Krome exhaust system we suggest installing the Dynojet jet kit for carbureted models or The Power Commander for fuel injected models. Please contact Dynojet at 1-800-992-4993

DG/Hard-Krome

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