



INSTALLATION INSTRUCTIONS

AR® EXHAUST PIPES
FOR 1971-84 FX, 1980-82 FXWG
Mfg. p/n 200170A
(See pkg. label for Dist. p/n)

ATTENTION INSTALLER (if other than owner):

Please forward this instruction sheet and the warranty card to the purchaser of this product. These instructions also contain valuable information necessary to the end user.

INTRODUCTION:

These instructions describe the procedure for properly installing KHROME WERKS® AR® Drag Pipes on 1971-84 FX and 1980-82 FXWG Shovelhead models. Review instructions carefully before beginning, as they contain important information. Please retain for future reference.

Particularly important information is distinguished in these instructions by the following notations:

NOTE: A NOTE provides key information to make procedures easier or clearer.

CAUTION: A CAUTION indicates special procedures that must be followed to avoid damage to the motorcycle or accessories.

WARNING: A WARNING indicates special procedures that must be followed to avoid injury or death to a motorcycle operator or person inspecting or repairing the motorcycle.

TOOLS REQUIRED:

- 2 . ½+combination wrenches
- 2 . 9/16+combination wrenches
- 1 . ¼+hex key socket wrench (some may require 7/32+)
- 1 . Flat blade screwdriver

PROCEDURE:

WARNING:

71-E72 must use L72 or newer brake pedal. L79-E83 FX models (except FXWG) may require realignment of the Kelsey Hayes rear master cylinder to allow proper clearance between rear pipe and master cylinder.

1. Remove complete exhaust system, including hanger bracket, heat shields, mufflers and header pipes. Save exhaust port screws.
2. Assemble supplied hanger bracket to frame mounting boss, using supplied 3/8+24 mounting screws and nuts. Install three supplied 3/8+ flat washers between hanger and frame on each screw. Finger tighten.

NOTE: Use a flat washer under the head of each screw. Use a flat washer, then a split lock washer under the 3/8+24 nuts. The longest screw should be used toward the front of the bike.

3. Install a new gasket onto both pipes. Insert front pipe into port. Install OEM exhaust port screw. Leave loose enough to install threads of T-bolt into hanger bracket and loosely fasten with star washer and 3/8+16 nut provided. Finger tighten port screw.

4. Insert OEM exhaust port screw into rear exhaust flange. Position pipe at the port and turn the screw into the head drawing pipe into the port. Leave loose enough to install threads of T-bolt into hanger bracket and loosely fasten with star washer and 3/8+16 nut provided. Finger tighten port screw.

CAUTION:

If the rear pipe is inserted completely into the port before the socket screw is installed, it is impossible to start the screw straight. Do not use a lock washer on the rear or front pipe port screws!

5. Align pipes parallel and level to frame while maintaining solid contact at the port. Adjust the hanger bracket to match the exhaust pipes. Tighten all mounting hardware evenly until pipes are securely fastened.

CAUTION:

Check kick starter clearance carefully (if applicable). May have to use a maximum offset kickstart arm on some models.

NOTE: Hanger bracket and pipe mounting channels have slotted mounting holes to allow for variances in frame to motor dimensions. If pipes cannot be aligned, hanger bracket may have to be loosened and readjusted or even spaced with washers (more or less). Extra 3/8+flat washers are supplied in case they are needed.

6. Before starting motor, pipes must be cleaned thoroughly with a good window cleaner or soap and water. Any grease, oil or fingerprints will permanently burn onto chrome surfaces.

7. Start the engine and check for exhaust leaks. If leaks are present, readjust alignment and tighten all mounting hardware.

CAUTION:

Carefully read the enclosed sheet with tips on how to reduce bluing to a minimum. A few safeguards on initial start-up can result in a long-lasting new-look!

WARNING:

Check all exhaust mounting hardware to be sure all are securely fastened.

WARNING:

May reduce right-hand cornering clearance.

USE AND CARE: Wash your accessories with the same care you use when washing your motorcycle. Use mild soap and water. DO NOT use abrasive chemicals or cleaners, or high pressure washers. Periodically check all mounting hardware for tightness.

KHROME WERKS®
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