



# Kerker® Chrome 2:2 System Installation Instructions

## HARLEY-DAVIDSON FLST/FXST MODELS

**128-78082** Chrome 2:2 System

*WARNING!* This system is not complete without two of the following end caps:

Chrome Tapered End Cap 108-7257

Chrome Fishtail End Cap 108-8021

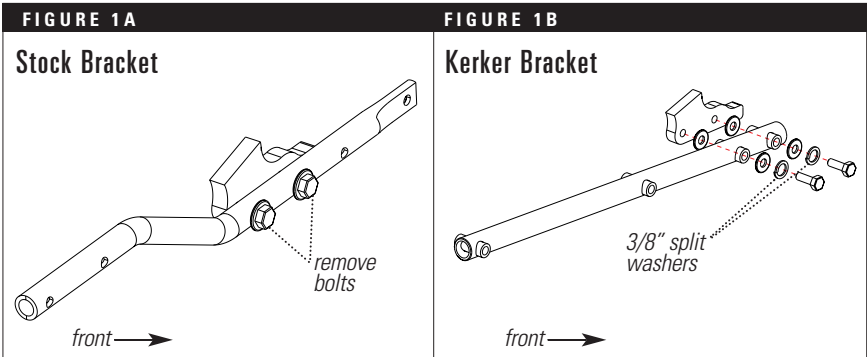
Chrome Turndown End Cap 108-8022

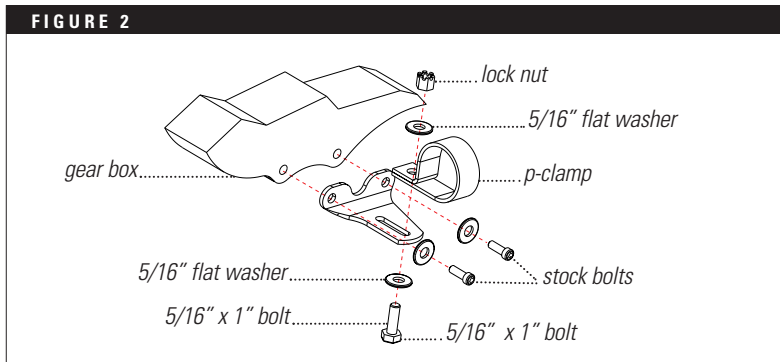
## STOCK SYSTEM REMOVAL

1. Remove right side front footboard and left side rear footpeg.
2. Loosen headpipe heatshields and remove exhaust flange nuts.
3. Remove four bolts that mount mufflers to frame bracket.
4. Remove complete exhaust system. Save stock hardware.
5. Remove exhaust flanges from headpipes by removing retaining rings.

## MUFFLER BRACKET INSTALLATION

Remove stock muffler mounting bracket, (see figure 1A) and replace with Kerker muffler mounting bracket, (see figure 1B) marked with the number 029-7282, using 3/8" bolts, flat washers and lock washers.



**FIGURE 2**

## END CAP INSTALLATION

1. Remove end cap screws from mufflers.
2. Insert end cap lining up the screw holes.
3. Re-install and tighten end cap screws.

## KERKER INSTALLATION

*NOTE:* Start with right side.

1. Remove two lower gear box cover hex head screws and install bracket using stock hex bolts and washers (see figure 2). Clamp will be mounted later.
2. Install stock flanges using stock retaining rings.
3. Install Kerker heatshields using Kerker hose clamps, both supplied.
4. Inspect exhaust gaskets and replace if necessary. Install headpipes into exhaust ports using stock nuts finger tight.
5. Install heavy duty P-clamp, supplied, onto lower headpipe (see figure 2). Install 5/16" x 1" bolt with 5/16" washer and lock nut, all supplied. DO NOT TIGHTEN.
6. Install T-bolt clamp, supplied, onto right side (silencer is marked with the number 027-7082) muffler inlet and mount muffler to headpipe and muffler bracket. Use 5/16" x 1" bolt rear muffler mount and 5/16" x 1-1/4" bolt with spacer on front mount. DO NOT TIGHTEN.
7. On the left side, remove stock shifter rod and set aside.
8. Install a wooden wedge between the left side swing arm pivot and the transmission case. This will keep the swing arm pivot hole in alignment when performing the next operation.
9. Remove left side swing arm pivot bolt.
10. Install left muffler support by inserting stock swing arm pivot bolt through large hole in the support tube bracket. To locate bracket, insert 1/2-20 x 5 through locating hole next to swing arm pivot hole and through passenger foot peg hole.
11. Make sure muffler support tube is aligned tighten swing arm pivot to manufacturers specifications.
12. Using the hole below the swing arm pivot on the left muffler support as a guide, drill a 3/8" starter hole 1/32" deep in the lower frame bracket.
13. With a 5/16" drill, bore completely through the lower frame bracket. *NOTE:* Be careful not to drill into the swing arm.
14. Create threads in the hole using a 3/8-16 tap.
15. After cleaning hole, install 3/8-16 x 2-1/2" bolt, lock washer and flat washer. Remove alignment stud.

## REPLACING SHIFT SHAFT

1. Install original jam nut and Heim joint on Kerker shifter rod.
2. Install shift shaft onto transmission shift lever using 5/16" flat washer and 5/16-24 x 1" bolt. Tighten to manufacturers specs.
3. Install 5/16-24 jam nut on bolt. Tighten to manufacturers specs.
4. Be sure to check shaft clearance.

## MOUNTING LEFT SIDE EXHAUST PIPE

1. Slide clamp onto slotted end of pipe and slide onto rear cylinder spigot. Snug clamp, but DO NOT TIGHTEN.
2. Slide clamp onto muffler marked with the number 027-7081 and slide onto left exhaust pipe.
3. Install stock hardware into muffler mounting tabs using 5/16" lock washers, supplied.
4. Check clearance on system and tighten system starting at the exhaust ports, then tighten gear box mount and clamp, muffler inlet clamp, muffler mounting bracket and heatshields.
5. Re-install floorboard and tighten to manufacturers specs.
6. Re-install passenger footpeg and tighten to manufacturers specs.
7. Re-check all bolts after engine has been up to full operating temperature.

## ACCESSORIES & REPLACEMENT PARTS

When ordering accessories or replacement parts you may need the part number of this silencer. Please record the part number and date of manufacture here.

Part No.	Date of Manufacture _____
Fiberglass Repack Kit (2 per muffler)	400-4020
Tapered End Cap	108-7257
Turndown End Cap	108-8022
Fishtail End Cap	108-8021