

banks

with Installation Instructions
Owner's Manual

Banks Monster[®] Exhaust System

**2007-2010 Chevy/GMC 6.6L LMM Duramax
Turbo-Diesel Pickups ECSB-CCLB**

THIS MANUAL IS FOR USE WITH SYSTEM 47784

Gale Banks Engineering
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Product Information & Sales: (888) 635-4565
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Installation Support: (888) 839-2700

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Products Available From Banks Power for the '07-10 Chevy/GMC 6.6L LMM



Banks iQ System (P/N 61145-61146)

- 5" touchscreen interface that can control the Banks Diesel Tuner and/or SpeedBrake on the fly.
- Interchangeable gauge display, read and clear codes, monitor engine diagnostics, log data, time your vehicles runs and much more.

Big Hoss Intake Manifold System (P/N 42733)

- Increases flow and provides more uniform air distribution to the engine for more available power at a given boost level.

Banks Ram-Air Intake System (P/N 42172)

- Increases your airflow over stock.
- Adds power, improves fuel economy, lowers EGTs and reduces smoke.

Banks Super-Scoop (P/N 42200)

- Adds cooler denser air to the Ram-Air Intake housing, further increasing fuel economy, reducing smoke and lowers EGTs.

Banks Techni-Cooler System (P/N 25982)

- Provides increased air flow to the engine by increasing air density for more increased power, lower EGTs and improved fuel economy.

Banks Diesel Tuner
(P/N 63883 EconoMind w/ Switch
P/N 63897 EconoMind w/ IQ
P/N 63887 Six-Gun w/ Switch
P/N 63899 Six-Gun w/ IQ)

- Adds power safely to your vehicle
- Engine and transmission safeguards
- Change power levels on-the-fly

Banks Brake
(P/N 55449)

- Allows for varied braking intensity based on switch position.
- Can be set to turn ON by pressing your vehicle brake pedal to aid braking
- All electronic brake, no cutting pipes.

Banks SpeedBrake
(P/N 55439 & 55442)

- Everything the **Banks Brake** does
- Allows for controlled hill decent at a user defined or preset vehicle speed.

Banks AutoMind Programmer
(P/N 66104)

- Clear and view OBDII Diagnostic Trouble Codes (DTC).
- Loaded with dyno-proven tuning files
- Speed Limiter adjustment capabilities
- Recalibration of the speedometer
- Customize and adjust gearing, tire size and fuel octane

Banks Billet Torque Converter
(P/N 72510)

- Higher torque capacity over stock
- Lockup clutch is slip-resistant so transmission fluids stay cooler and transmission life is prolonged.

Boost and Pyro Gauges
(P/N 64507)

- Keep your engine safe by monitoring vital engine parameters

Thermocouple

- Add a temperature limiting function to your diesel tuner.

Banks PowerPack Systems
(P/N 47794-47795)
Contains:

- Ram-Air Intake system
- Monster Exhaust (single or duals)
- EconoMind Tuner w/ Banks iQ
- Technis-Cooler System

Banks Stinger System
(P/N 47792-47793)
Contains:

- Ram-Air Intake System
- Monster Exhaust (single or dual)
- EconoMind Tuner w/ Banks iQ

Banks Big Hoss Bundle
(P/N 47798-47799)

- Ram-Air Intake system
- Monster Exhaust (single or dual)
- Six-Gun Tuner w/ Banks iQ
- Techni-Cooler System

Banks Six-Gun Bundle
(P/N 47796-47797)

- Ram-Air Intake system
- Monster Exhaust (single or dual)
- Six-Gun Tuner w/ Banks iQ

For More Information please call (888)-635-4565
or Visit us online @ www.bankspower.com

General Installation Practices

Dear Customer,

If you have any questions concerning the installation of your Banks Monster Exhaust System, please call our Technical Service Hotline at (888) 839-2700 between 7:00 am and 5:00 pm (PT). If you have any questions relating to shipping or billing, please contact our Customer Service Department at (888) 839-5600.

Thank you.

- 1.** Before starting work, familiarize yourself with the installation procedure by reading all of the instructions.
- 2.** The exploded view (**Figure 1**) provides only general guidance. Refer to each step and section diagram in this manual for proper instruction.
- 3.** Throughout this manual, the left side of the vehicle refers to the driver's side, and the right side to the passenger's side.
- 4.** Disconnect the negative (ground) cable from the battery (or batteries, if there are two) before beginning work.
- 5.** Route and tie wires and hoses a minimum of 6" away from exhaust heat, moving parts and sharp edges. Clearance of 8" or more is recommended where possible.
- 6.** When raising the vehicle, support it on properly weight-rated safety stands, ramps or a commercial hoist. Follow the manufacturer's safety

precautions. Take care to balance the vehicle to prevent it from slipping or falling. When using ramps, be sure the front wheels are centered squarely on the topsides; put the transmission in park; set the hand brake; and place blocks behind the rear wheels.

CAUTION! Do not use floor jacks to support the vehicle while working under it. Do not raise the vehicle onto concrete blocks, masonry or any other item not intended specifically for this use.

7. During installation, keep the work area clean. Do not allow anything to be dropped into intake, exhaust, or lubrication system components while performing the installation, as foreign objects will cause immediate engine damage upon start-up.

Tools Required:

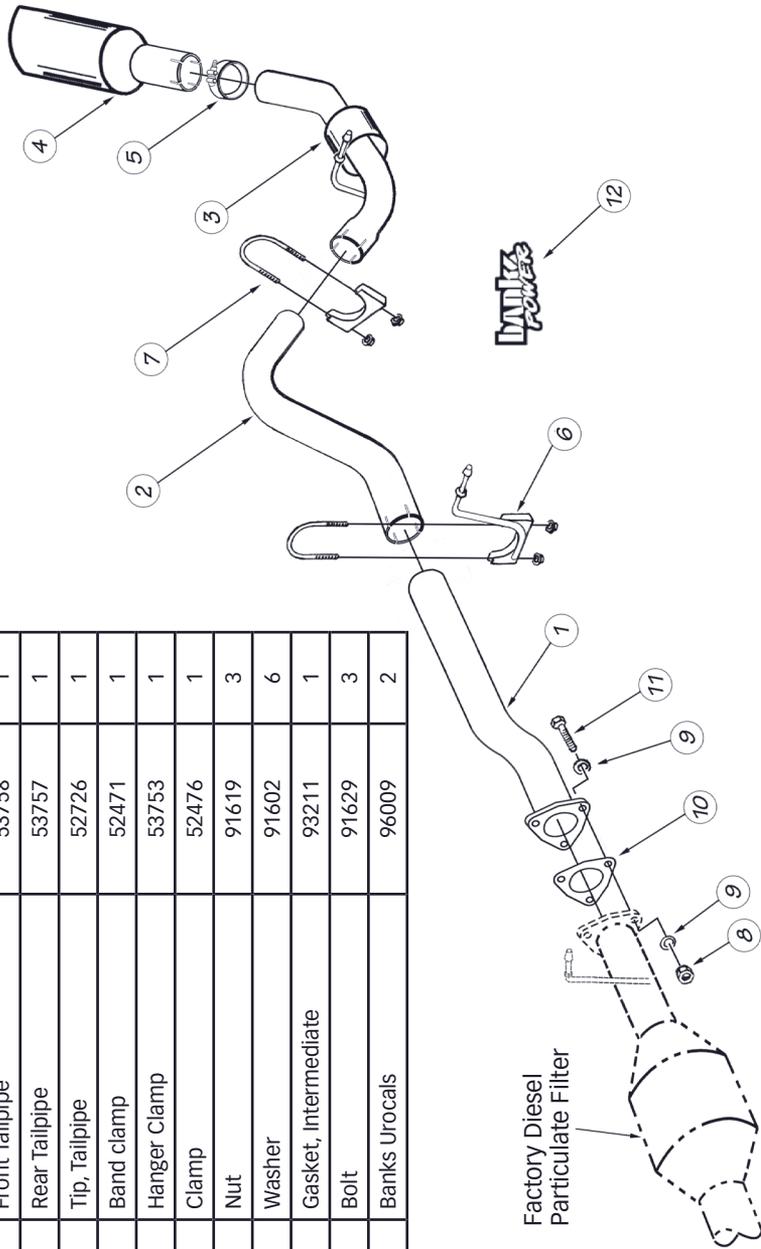
- 1/2" and 3/8" drive ratchets with standard and metric sockets and 1/2" and 3/8" drive extension
- Standard and metric combination or open-end wrenches
- Standard screwdriver
- Clean shop towels or rags
- Pry-bar

Highly recommended tools and supplies:

- Foot-pound torque wrench
- Penetrating oil or light lubricant spray
- Oxy-acetylene torch

Figure 1 Banks Monster Exhaust, General Assembly

Item #	Description	Part #	QTY
1	Flange Intermediate Pipe	53748	1
2	Front Tailpipe	53758	1
3	Rear Tailpipe	53757	1
4	Tip, Tailpipe	52726	1
5	Band clamp	52471	1
6	Hanger Clamp	53753	1
7	Clamp	52476	1
8	Nut	91619	3
9	Washer	91602	6
10	Gasket, Intermediate	93211	1
11	Bolt	91629	3
12	Banks Urocalcs	96009	2



Monster Exhaust System Installation

1. As a precaution, disconnect the ground of the battery (if there is more than one battery, disconnect both).

2. Raise the vehicle and support it with properly weight rated safety stands, ramps or a commercial hoist. Follow the manufacturer's safety precautions. Take care to balance the vehicle to prevent it from slipping or falling. When using ramps, be sure the front wheels are centered squarely on the topsides; place the transmission in park; set the parking brake and place blocks behind the rear wheels.

CAUTION: DO NOT WORK UNDER ANY VEHICLE SUPPORTED ONLY BY A JACK. SEVERE INJURY MAY RESULT.

WARNING! The following step may require the use of a torch and/or saw. Proper safety equipment should be used. Failure to use proper safety equipment may result in severe injury.

3. Removal of the factory exhaust can be simplified by cutting the factory

exhaust pipe behind the muffler. This will allow the tailpipe to be removed as a separate piece.

4. Remove the factory tailpipe from the vehicle by disengaging the exhaust system hanger pins from the rubber hangers using a large screw-driver or pry bar.

NOTE: Lubricating the rubber hangers with WD-40 or similar lubricant will ease removal of the hanger pins.

5. Remove the factory muffler from the vehicle by removing the three (3) nuts from the factory exhaust flange located at the factory muffler inlet.

6. Install the Banks flanged intermediate pipe and 3-bolt gasket onto the headpipe. Loosely assemble with the supplied bolts, washers, and nuts.

7. Slide the supplied 4" exhaust hanger clamp onto the outlet of the Banks flanged intermediate pipe. Insert the hanger pin into the factory rubber hanger.

Figure 2

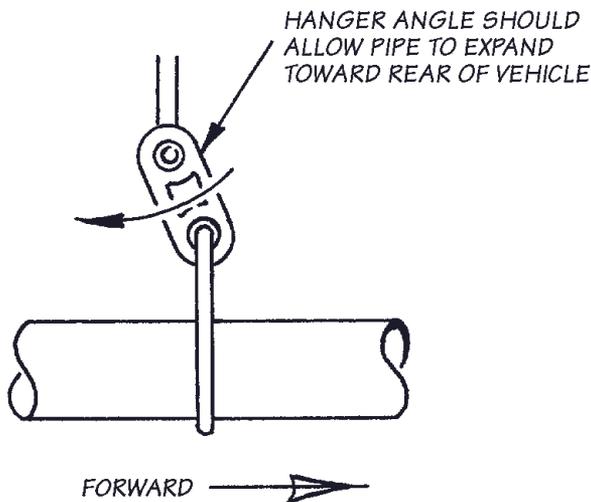
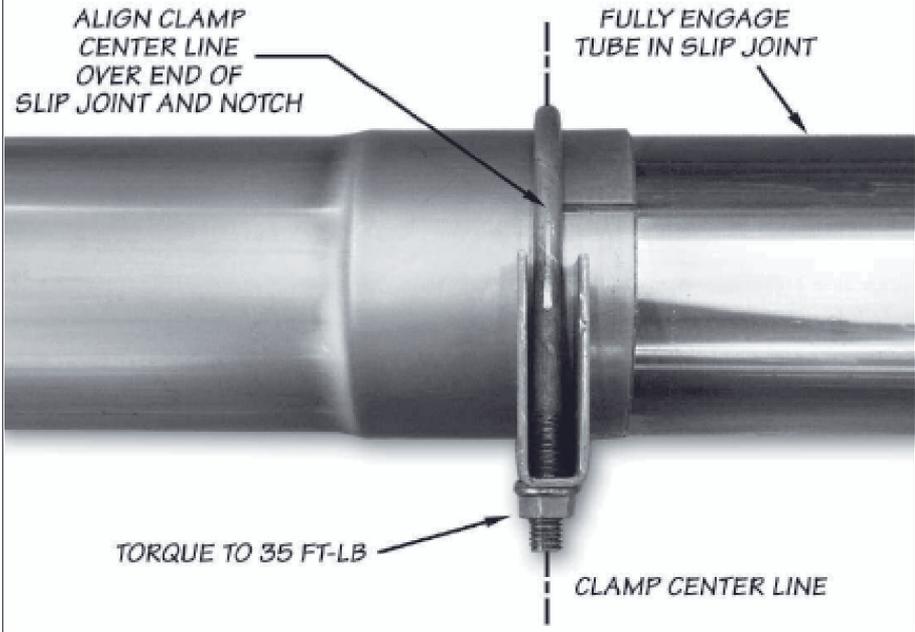


Figure 3



8. Route the Front Tailpipe over the rear axle housing and install onto the flanged intermediate pipe outlet. Be sure that the two pipes are completely engaged. Loosely snug the 4" hanger clamp.

9. Install a 4" exhaust clamp onto the inlet of the Rear Tailpipe. Install the Rear Tailpipe onto the outlet of the Front Tailpipe. Insert the Rear Tailpipe hanger pin into the factory rubber hanger. Rotate the tailpipe until the hanger pins are parallel with the frame mounted pin. Slide the 4" clamp and position as shown in **Figure 3**. Loosely snug the 4" clamp.

NOTE: Maintain an adequate air gap clearance of one (1) inch between the exhaust and the shock absorber and between the exhaust and the spare tire.

10. Install Banks Monster tailpipe tip with exhaust band clamp on the exhaust. Keep the wrapping on until installation is complete. Adjust the tip past the edge of the body or where aesthetically pleasing. Loosely snug the 4" clamp.

NOTE: Minimum distance between exhaust tip and body is one (1) inch.

11. Adjust each of the pipes to ensure that all of the hanger pins are parallel with the frame mounted pins and that the rubber hangers are all positioned slightly forward (See **Figure 2**). The amount of forward angle on the rubber hangers should increase the farther downstream the hanger is positioned. This allows the hangers to be properly positioned once the exhaust system reaches operating temperature.

12. Figure 3 illustrates the proper location of an exhaust clamp on a tubing joint. Torque the nuts on each of the exhaust clamps to 35 ft-lb.

NOTE: The clamps only need to be tight enough to form a seal and hold the pipes together. Over tightening the clamps may cause the system to leak due to the pipe being crimped.

13. Remove the protective covering from the clamp-on tailpipe tip.

CAUTION: the protective covering may ignite and burn if not removed prior to running the engine.

14. Your system includes two (2) Banks Power decals designed to complement the Duramax emblems on the vehicle's front doors.

15. Re-connect the negative battery cable. Start the engine and listen for exhaust leaks. Tighten the exhaust clamps as necessary. Whenever possible, tack weld slip connections to prevent disengagement is recommended. The Banks Monster Exhaust installation is now complete.

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