

## 4" / 5" PRXB INSTALLATION

# addendum

### 2003-2007 DODGE CUMMINS 5.9L DIESEL TRUCKS (WITH A 4" OR 5" AFTERMARKET EXHAUST SYSTEM)

#### IMPORTANT NOTICE

The exhaust brake provided in this kit is an inline mounted unit specifically for 2003-2007 Dodge trucks equipped with a Cummins 5.9L diesel engine and a 4" or 5" aftermarket exhaust system.

The installation procedure for the exhaust brake differs from the procedure in the DirectMount installation manual provided. Follow the steps and notes listed below for installing the exhaust brake into the exhaust system and then follow the manual provided for the remainder of the installation.

#### BEFORE INSTALLING ANY PART OF THIS KIT, PLEASE CHECK THE FOLLOWING:

- Confirm the exhaust pipe outside diameter is not greater than the adapter provided. The adapters are expanded to slip over the exhaust pipe to make welding easier.
- Confirm all the exhaust system connections between the exhaust brake and the cylinder head will withstand 60 PSI without leaking. Clamped connections must be welded.
- A remote breather is provided for the air cylinder. Install the hose over the barbed fitting on the air cylinder. Secure it to the barbed fitting with one of the tie-straps provided and route the end with the bronze breather to a clean, dry location (to ensure maximum cylinder life).
- Route the supply line to the cylinder a minimum of 6" away from the exhaust system and moving components. Secure with the tie-straps provided.

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4" Exhaust Only

#### 4" EXHAUST ONLY -

Select a location that has a minimum of 12" of straight pipe and has sufficient clearance for installation and servicing of the exhaust brake. This location should be as close to the turbocharger as possible and away from dirt and road spray. A 7" section of exhaust pipe needs to be removed. Measured and mark the pipe for cutting.



5" Exhaust Only

#### 5" EXHAUST ONLY -

Select a location that has a minimum of 12" of straight pipe and has sufficient clearance for installation and servicing of the exhaust brake. This location should be as close to the turbocharger as possible and away from dirt and road spray. A 9" section of exhaust pipe needs to be removed. Measured and mark the pipe for cutting.

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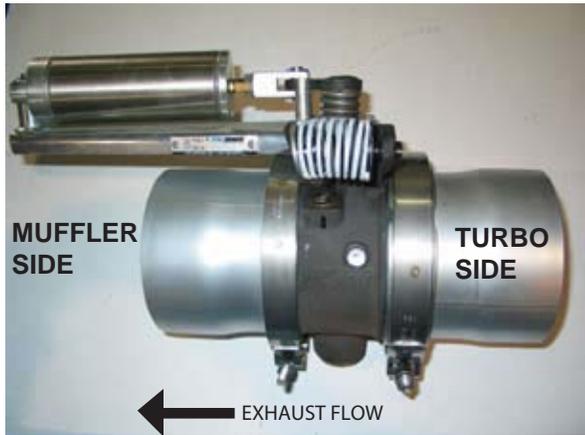
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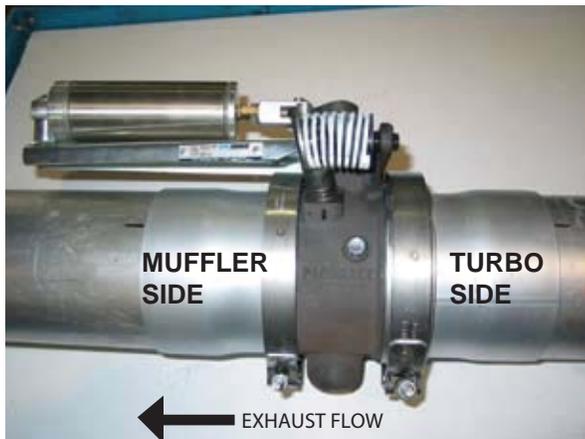
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Install the heavy duty "V" clamp and one adapter on the pressure side flange (and adapter ring if necessary). Install the low pressure side "V" clamp and adapter loosely, then insert into the exhaust system. Adjust the exhaust brake and exhaust system to attain clearance and tack weld the adapters in place, being careful to maintain the proper length and angles that exist. Weld the adapters to the sections of pipe. Welding can be done on the outside or the inside of the adapter, but it must be leak free.

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If removed, re-install the front section of pipe on the engine. Torque the turbo "V" clamp to the manufacturer's specifications. Center the Pacbrake on the pressure side adapter and install the heavy duty "V" clamp. Torque to 15 ft-lbs. Install the rear section of pipe to the Pacbrake and install the remaining "V" clamp loosely. Check the alignment of the exhaust system and adjust if necessary. Then torque both "V" clamps to 15 ft-lbs.

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