

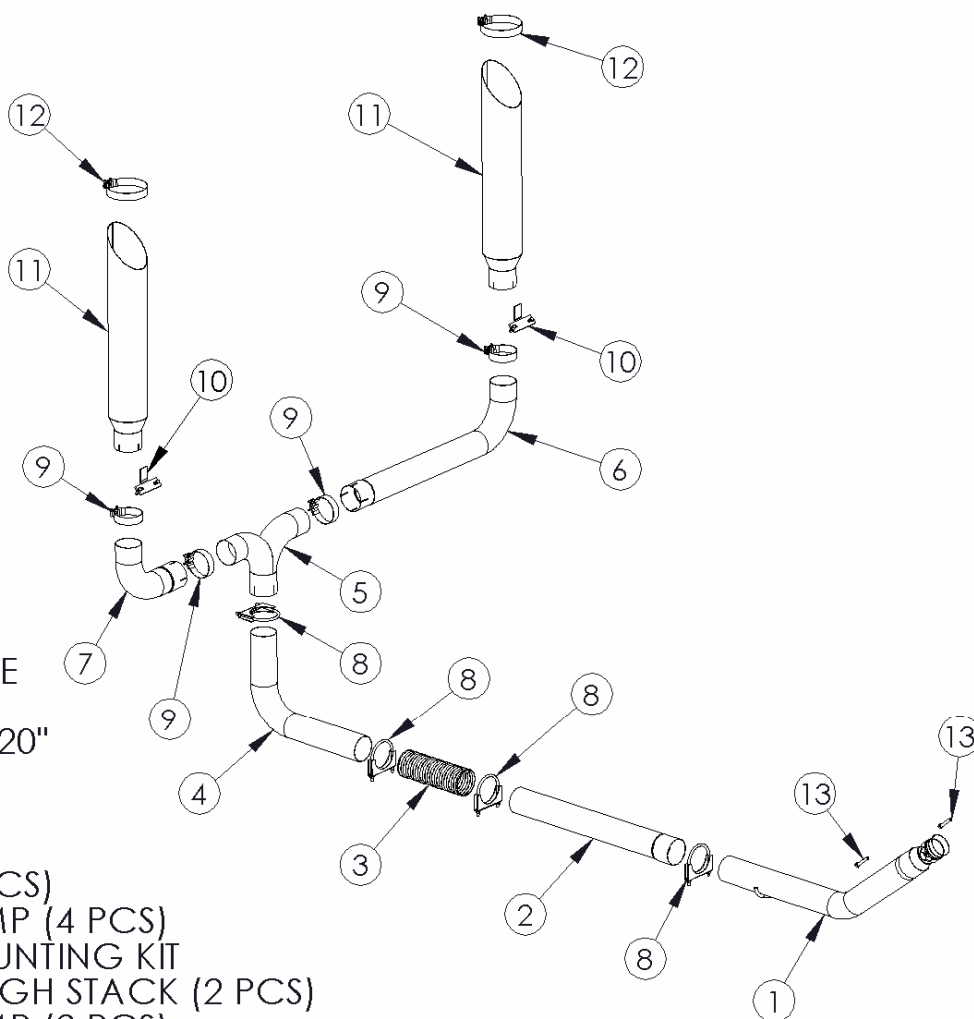
S9100

94-02 DODGE CUMMINS, TURBO BACK
SMOKERS, c/w B1610 STACKS

MBRP

INC.

PERFORMANCE EXHAUST



1. DOWN PIPE
2. EXTENSION PIPE
3. FLEX PIPE
4. ELBOW - 14" X 20"
5. T-PIPE
6. ELBOW - 37"
7. ELBOW - 13"
8. 4" CLAMP (4 PCS)
9. 4" BAND CLAMP (4 PCS)
10. SMOKERS MOUNTING KIT
11. 6" DIA. X 36" HIGH STACK (2 PCS)
12. 6" BAND CLAMP (2 PCS)
13. HEX BOLT (2 PCS)

PLEASE READ BEFORE STARTING INSTALLATION

While MBRP Inc. has made every effort to ensure that all components of this system are of superior quality and properly packaged it is the installer's responsibility to ensure the following before removal of the factory exhaust:

- that ALL components shown above are present.
- that ALL mating components fit together.
- that there are no damaged components.
- that the system you have purchased is appropriate for your vehicle year, model and configuration.
- that the system will not interfere with any modifications previously installed or planned.
- that you have read and understand these instructions.

If you have any questions or are uncertain about any aspect of the installation of this system to your vehicle please contact your dealer before commencing installation.



Removal of stock system:

1. Apply a penetrating lubricant liberally to all exhaust fasteners, hangers and rubber insulators.
2. Separate the stock exhaust system at the slip joint by the muffler. Remove the rear exhaust from rubber hangers and remove the system from under the truck.
3. Using a 15mm socket or wrench, remove the two (2) bolts at the turbo flange and remove the stock down pipe.

Installation of MBRP Inc. "Smokers™"



Figure 1

1. Install the **Down Pipe** in the same position as the stock down pipe placing the hanger into the OEM rubber insulator and attaching the flared end to the turbo using the supplied hardware. **Do not fully tighten until all components are in place. See Figure 1.**

2. Loosely install the **Extension Pipe** over the **Down Pipe**. The **Extension Pipe** may require cutting to accommodate vehicles other than the Quad Cab Long Bed.



Figure 2

3. Loosely assemble the in bed portion of the **"T" Pipe** assembly. Some models may require trimming of the **"T" Pipe** in order to accommodate the width of the truck bed and the Stacks. Be sure to place the **Band Clamps** over the pieces before they are assembled.

4. Place the **Stacks** onto the **13"** and **37" Elbows** assembled to the **"T" Pipe Assembly** and place in the desired position in the truck bed. The **37" Elbow** should be on the driver side so that the **"T" Pipe** passes through the bed floor on the passenger side. **See Figure 2.**



Figure 3

5. Place the **Mounting Brackets** between the **Stacks** and the front of the truck bed so that the **Stacks** are properly spaced from the front of the truck bed. Center the **Mounting Brackets** on the **Stacks** and mark the front of the truck bed in the center of the slotted holes in the **Mounting Brackets**. Center punch the marks and drill holes to accommodate a **3/8" Bolt**. **See Figure 3.**

6. Loosely attach the **Mounting Brackets** to the front of the truck bed using the **3/8"** hardware supplied. Set the **Stacks** up in the bed and loosely attach them to the **Mounting Brackets**. Make sure the **Stacks** are in the desired position and the **"T" Pipe** assembled with the **13"** and **37" Elbows** is level.



Figure 4

7. Mark the bed floor where the **"T" Pipe** is resting. MBRP Inc. recommends tracing around where the **"T" Pipe** meets the bed floor. See **Figure 4**. Remove the **Stacks** and **"T" Pipe assembly** from the bed of the truck. Find the center of the circle traced onto the bed floor, mark and center punch it. Go under the vehicle and locate the center punch mark. This marks the location where you are going to cut a hole for the **"T" Pipe** to pass through the bed of the truck. If you cannot find the center punch mark measure to it in the bed and transfer these measurements under the vehicle. Make sure that there is clearance for the **20" Elbow** to pass by any frame cross members.



Figure 5

8. Cut a hole through the truck bed providing adequate clearance around the part of the **"T" Pipe** that passes through the truck bed. MBRP Inc. recommends using a 5" diameter hole saw. It may be required to cut part of a bed rail away. See **Figure 5**.

9. Set the **"T" Pipe**, assembled with the **13" and 37" Elbows** at the desired height from the floor of the bed (This will set the height of the **Stacks**). Using spacers to hold the **"T" Pipe** and both **13" and 37" Elbows** at the desired height, loosely attach the **Stacks** to the **Mounting Brackets** making sure that they are straight. This will hold the assembly steady while you line the system up to the exhaust under the vehicle. See **Figure 6**.



Figure 6

10. Measure the vertical distance from the **"T" Pipe** slip joint to the **Flex Pipe**. Mark and cut the shorter side of the **20" Elbow** to the required length so that it lines up with the **Flex Pipe**. See **Figure 7**.

11. Loosely install the **20" Elbow** into the **"T" Pipe**. Measure and mark the **Elbow, Extension Pipe** and **Flex Pipe** so that you will end up with the longest section of **Flex Pipe** possible. Cut the pieces to the required lengths.



Figure 7

12. Attach the **Elbow** to the **"T" Pipe** slip joint and then attach the **Flex Pipe** to both the **Elbow** and the **Mid Pipe**. Be sure to slide the required **Clamps** over the **Elbow** and **Flex Pipe** before connecting them to the vehicle's exhaust system.

13. Make sure that the **Mounting Brackets** are centered on the **Stacks** and tighten fasteners holding the **Mounting Brackets** to the front of the truck bed. Tighten all the **Clamps** making sure the *"Smokers"* remains properly aligned.



14. Install remaining **Clamps** around pipes where required. Check along the whole length of the exhaust system to ensure that there is adequate clearance around the fuel and brake lines or any wiring. If any interference is detected, relocate or adjust.



Shown with Checker Plate BB0001

Congratulations! You are ready to begin experiencing the improved power, sound and driving excitement of your MBRP Inc. performance exhaust system. We know you will enjoy your purchase.