

## EXHAUST BRAKE MOUNTING

### Important Considerations About Exhaust Brake Mounting

3 types of exhaust brake housing mounting exist.

#### 1 Direct Turbocharger Mounting (fig. 1)

This application is preferred because it has only one connection between the exhaust brake and the turbocharger. The mating surfaces are both machined cast iron, this virtually eliminates any chance of exhaust leaks. This method on vehicles with straight back systems only requires shortening of the header pipe to maintain an adequate amount of flex pipe. Vehicles with a 90° header pipe use the cast elbow to interface with the stock header pipe. Pacbrake offers replacement header pipes for some model trucks.

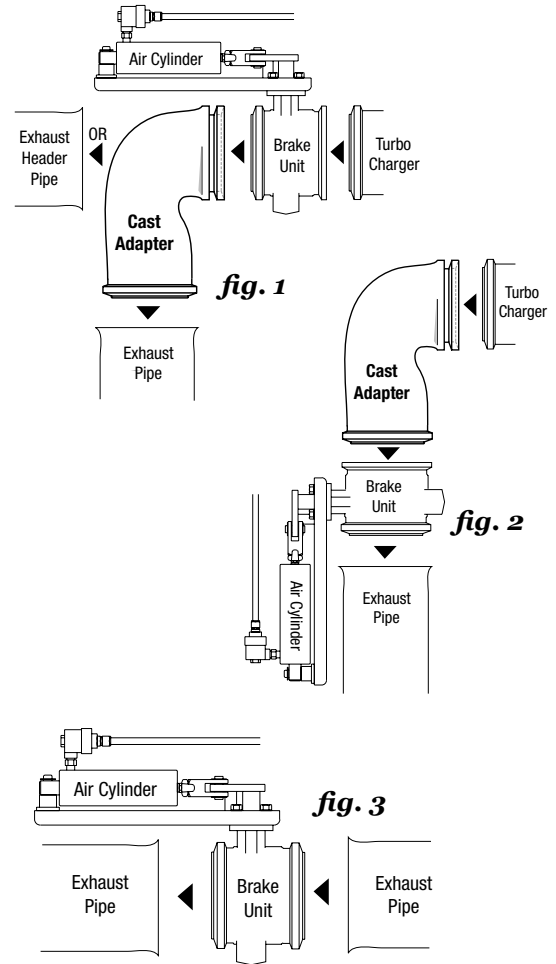
#### 2 Mounting At The End Of Pacbrake's Cast Adapter (fig. 2)

This application is the best option for vehicles with a tight 90° bent header pipe after the turbocharger. The Cast Adapter is cast iron and has machined mating surfaces on both ends virtually eliminating any chance of exhaust leaks.

#### 3 Inline Mounting (fig. 3)

Some vehicle configurations do not have clearance around the turbocharger to install a direct exhaust brake, these require an inline mount. This model requires minimum 7" of straight exhaust pipe which is then cut and exhaust flange adapters installed. This method should ensure the exhaust brake be mounted as close to the turbocharger as possible and away from road spray.

**NOTE:** Clamped joints that exist between the brake and the engine must be welded to ensure that the joints cannot separate or leak under pressure and no flex pipe is allowed between the exhaust brake and the turbocharger.



### Cobra Head Exhaust Adapter Applications

PART NUMBER	DESCRIPTION	SAMPLE APPLICATIONS
<b>C11969</b>	Caterpillar Direct Mount 4" Full Marmon inlet with 4" OD flex slip on outlet.	Cat 3116/3126/3126B, E/C7 & Cummins ISC/ISL
<b>C11970</b>	Caterpillar Direct Mount 4" Full Marmon inlet with 4" Full Marmon outlet.	Cat 3116/3126/3126B, E/C7 & Cummins ISC/ISL
<b>C11982</b>	Cummins Direct Mount 3.5" Half Marmon inlet with 4" Full Marmon outlet.	Cummins C/ISC/ISL
<b>C11985</b>	Navistar Direct Mount 3.5" Full Marmon inlet with 3.5" pipe slip in outlet.	Navistar 466/530
<b>C11986</b>	Cummins Direct Mount 3.5" Full Marmon inlet with 4" Full Marmon outlet.	Cummins C/ISC/ISL

**NOTE:** If you do not see your application above please call for technical support or instructions on how our engineers can custom design adapters to meet your needs.