## **Installation of Retrofit Devices**

Manufacturers of Emission Controls Association

Southeast Diesel Collaborative Third Annual Partners Meeting June 25, 2008

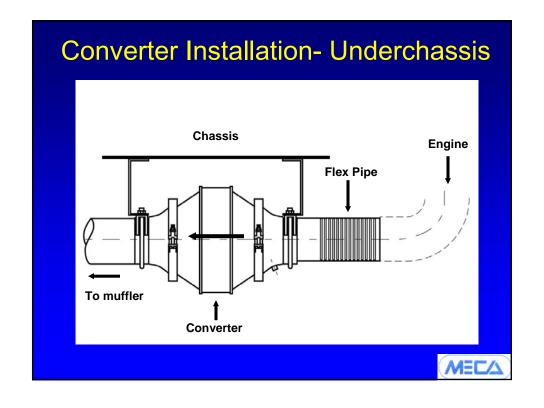


## Introduction

- Installing Diesel Oxidation Catalysts (DOCs)
  - In-line Converters
  - Direct fit Converter Mufflers
- Installing Diesel Particulate Filters
  - Below Chassis
  - Vertical
  - Above or in chassis





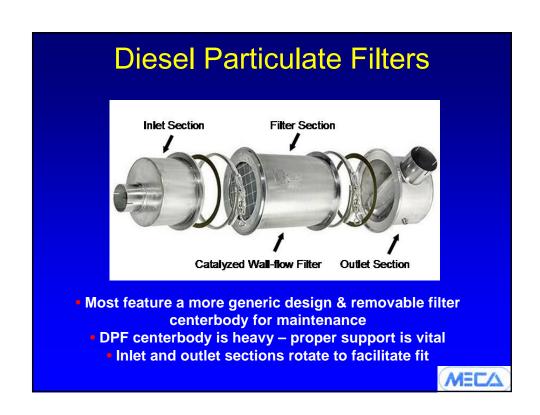


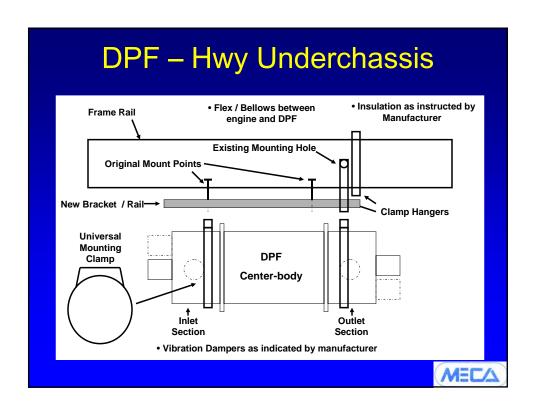
## **Converter Mufflers**

- Direct Fit simply installs in place of the original muffler
  - should have all the features of the original muffler
  - saves labor, reduces hardware and insures correct fit
- Generic converter mufflers may be used with a specialized pipe installation kit
  - can be difficult to obtain replacement pipes



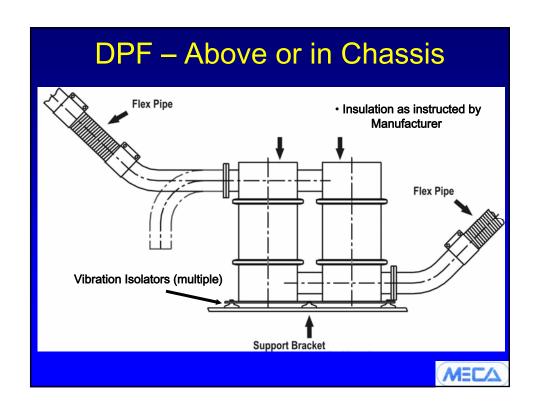
















## Conclusions

- Installation is critical to durable product performance
- Inspect installations at every preventative maintenance
- Continued progress will be made to simplify systems and develop more compact designs
- Consider design attributes when choosing product and vendor



