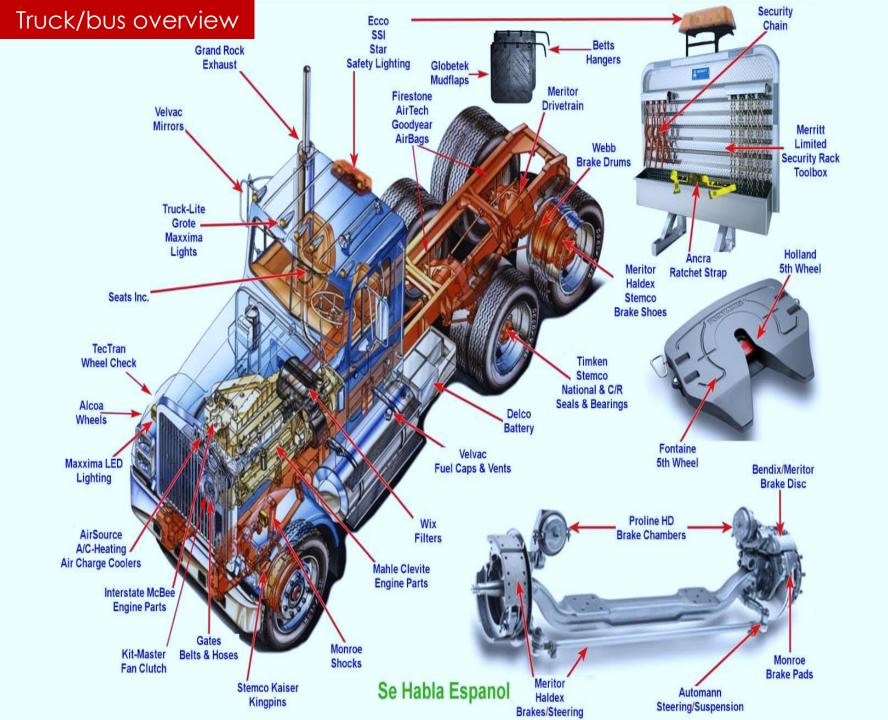
# MODULE 5: TRUCKS AND BUSES

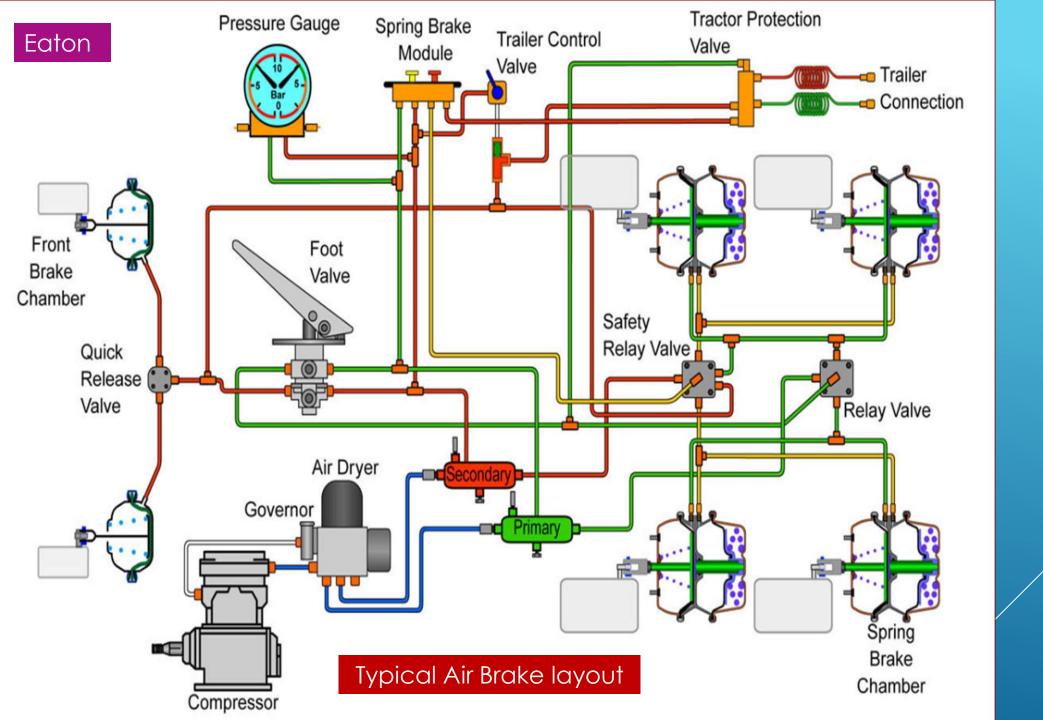
Your Tour Guide for Today Tim Janello



## MAJOR BRAKE AND DRIVELINE MANUFACTURES

Meritor

Bendix



Combination Air Brake Chamber

A. Parking Brake Transfer RodB. Parking Brake Spring

Service Brake Piston and Boot (pancake)

Parking Brake Piston and Boot (pancake)

в

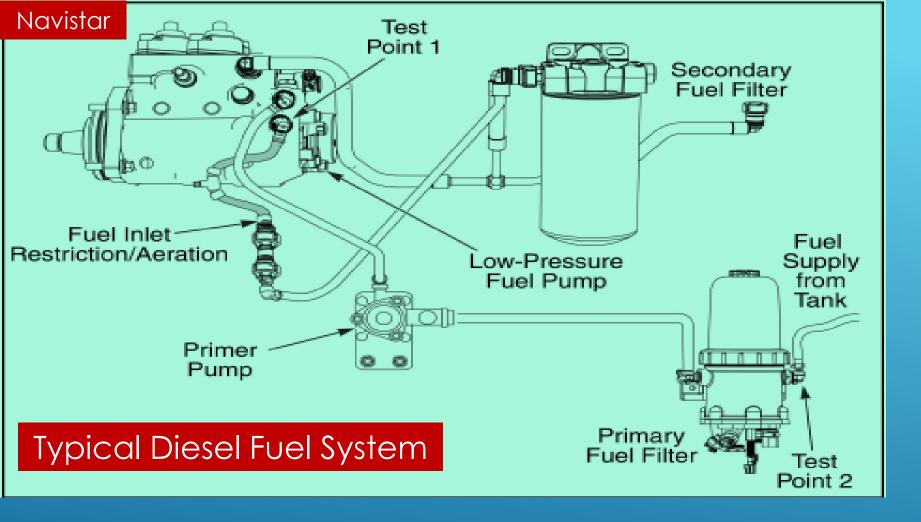
#### Manual and Auto-shift

- Eaton (Cummins)
- Detroit Diesel
- ► Volvo
- ► Tremec
- Fully Automatic
  - ► Allison
  - ► Aisin





## TRANSMISSION MANUFACTURES



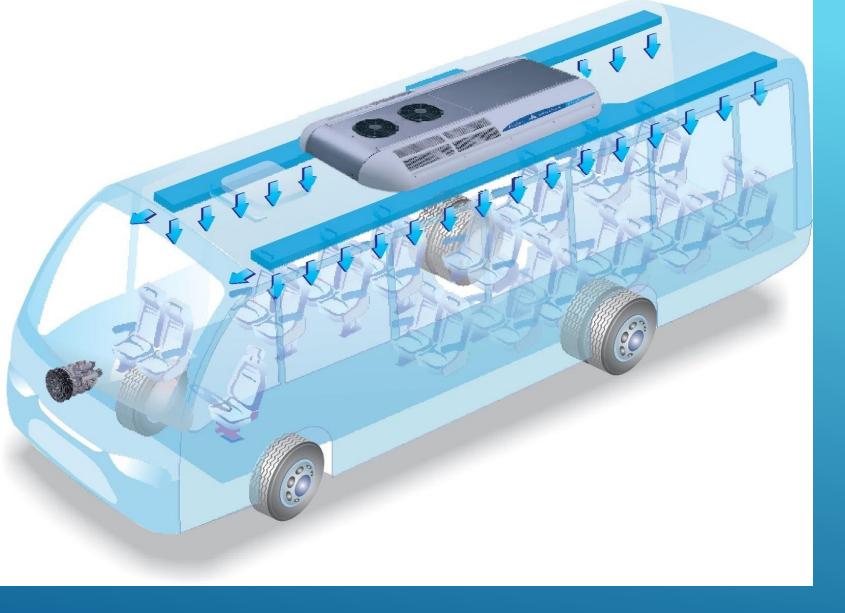
#### Typical Bus Heater Overview

Passenger Heating units

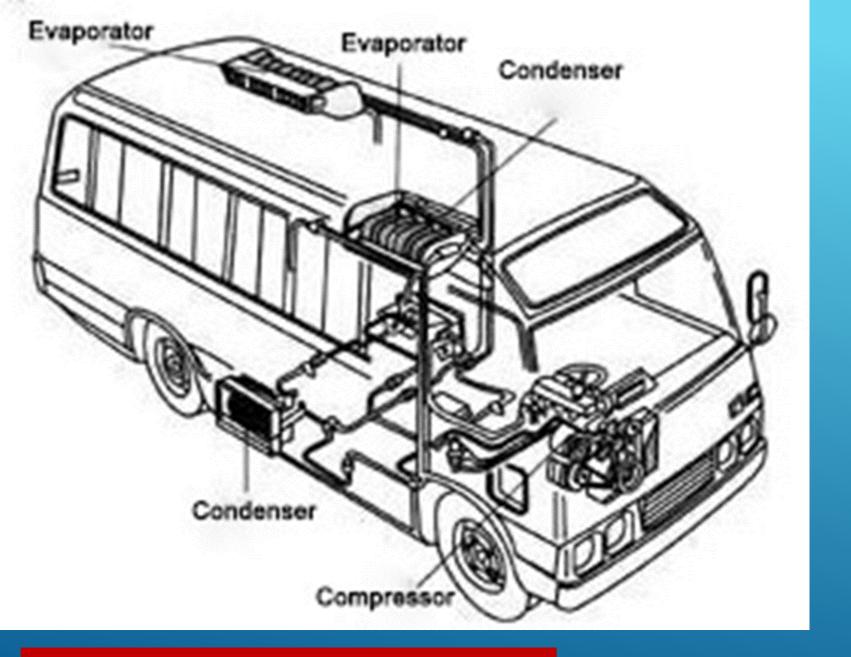
## TYPICAL BUS HEATERS

#### Figure 217 Filter Remove

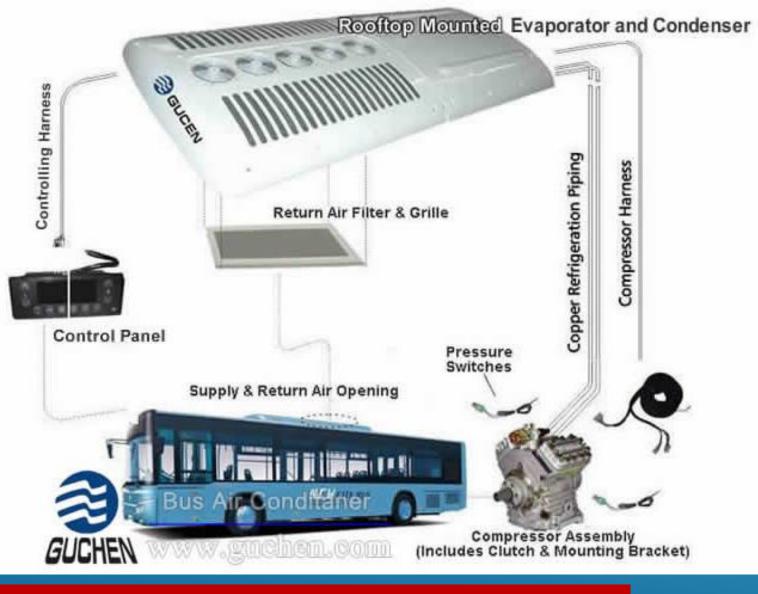
- 1. HEATER FILTER
- 2. HEATER FRONT COVER PLATE
- 3. FILTER ACCESS COVER MOUNTING SCREWS
- 4. FILTER ACCESS COVER
- 5. HEATER BODY ASSEMBLY



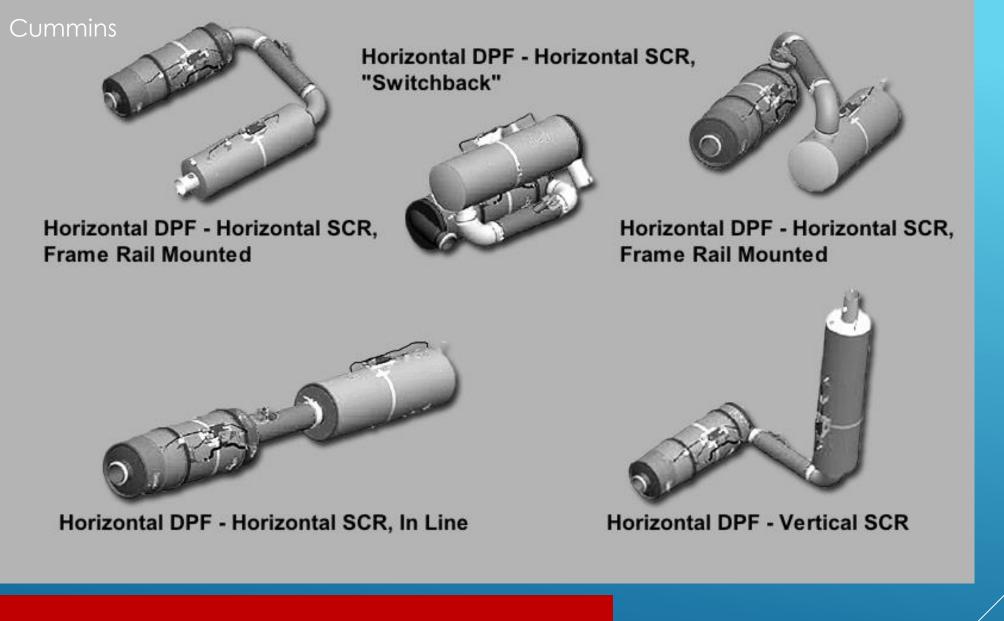
#### TYPICAL BUS OVERHEAD AC UNITS



### INTEGRATED AC SYSTEM OUTLINE



### LARGE TRANSIT BUS AC SYSTEM LAYOUT

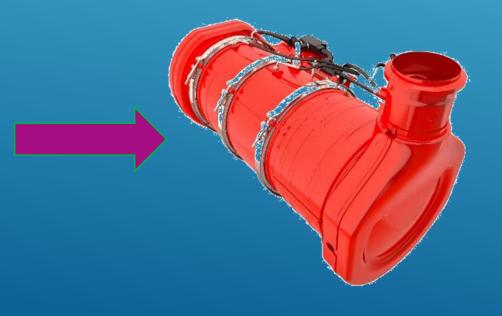


#### DIESEL EXHAUST AFTER-TREATMENT SYSTEMS

## NEXT GENERATION AFTER-TREATMENT

- Single Unit
- Combines = DOC, DPF, Decomp Tube, & SCR
- ▶ 40% less weight
- Improved Heat Retention & Regeneration for Low Cycle Driving





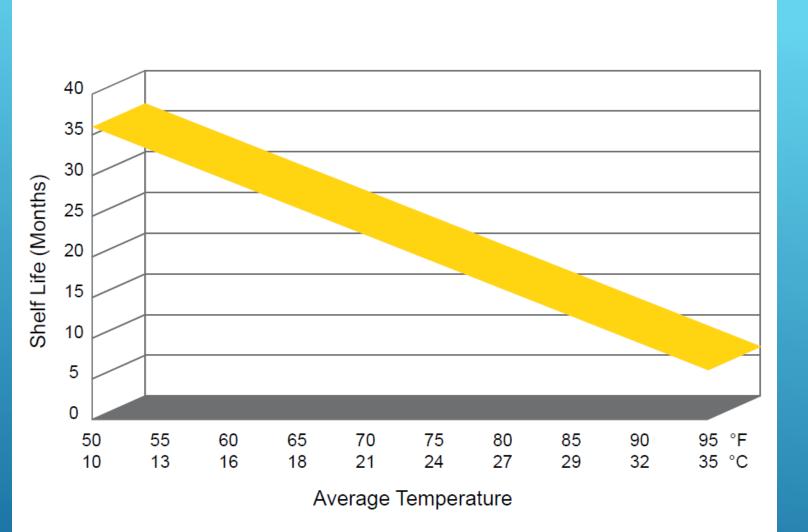




#### **DEF Quality Testing**







## DEF SHELF LIFE