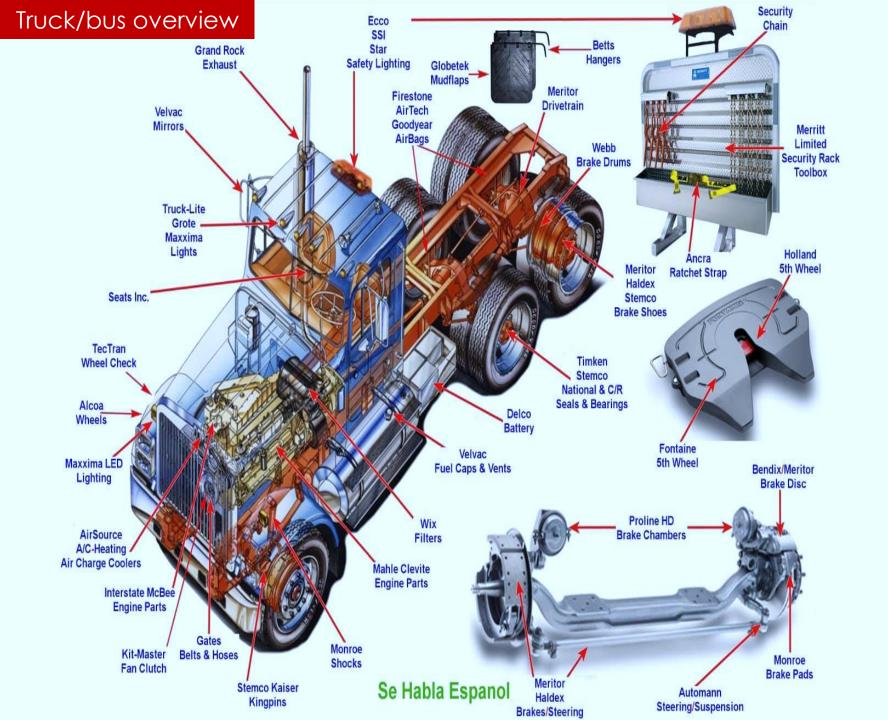
MODULE 5: TRUCKS AND BUSES

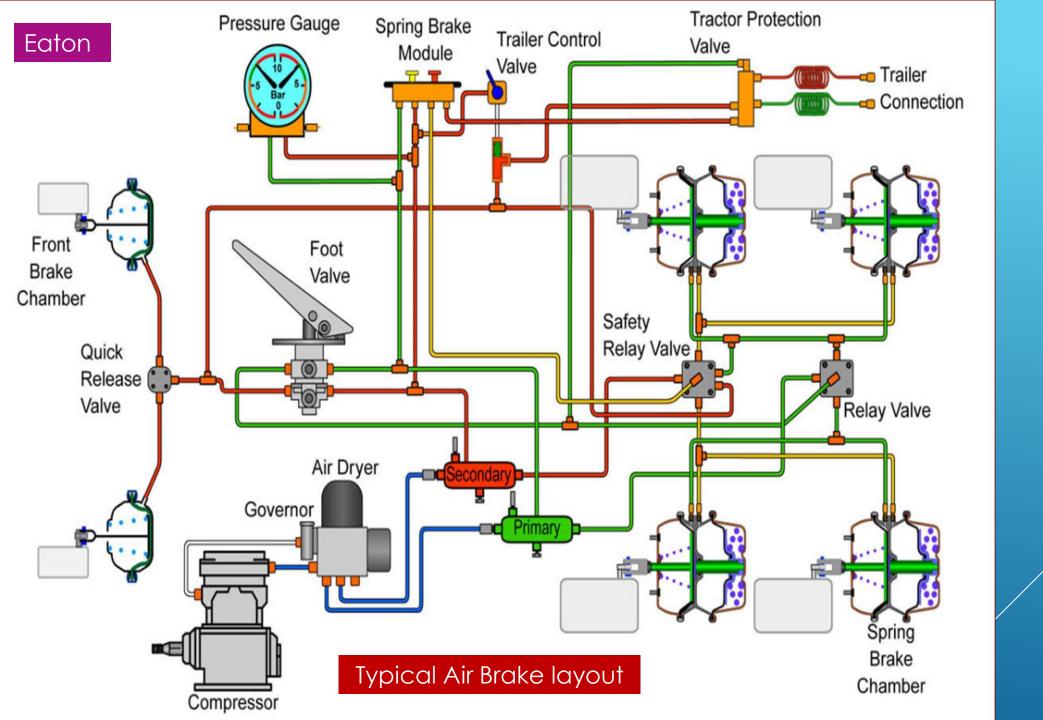
Your Tour Guide for Today Tim Janello



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

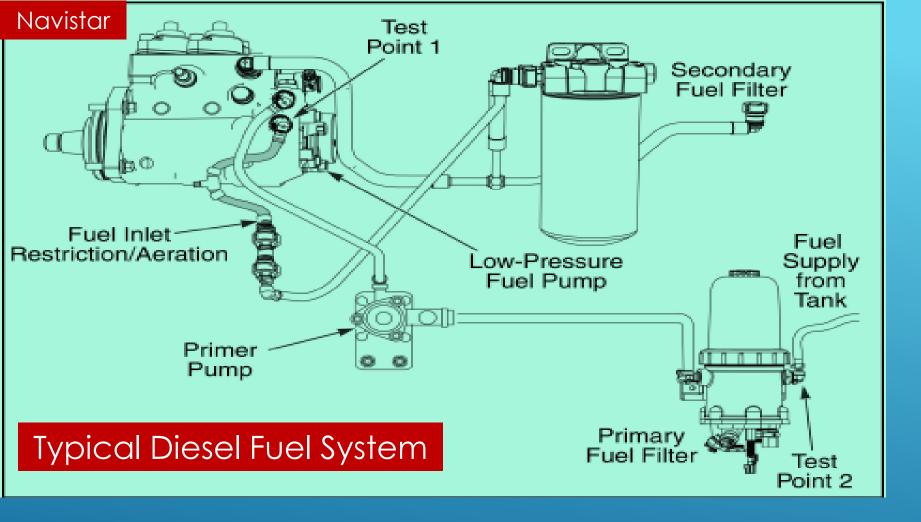
Manual and Auto-shift

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





TRANSMISSION MANUFACTURES



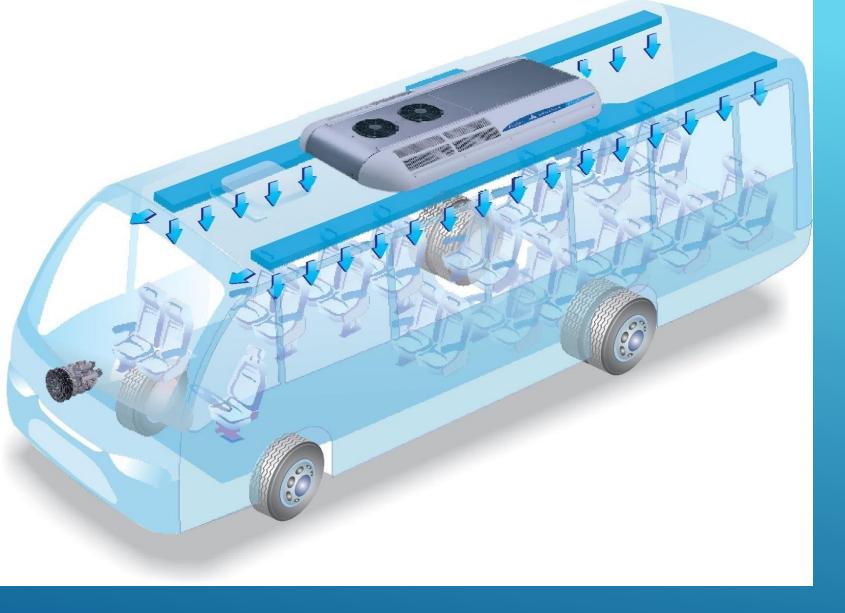
Typical Bus Heater Overview

Passenger Heating units

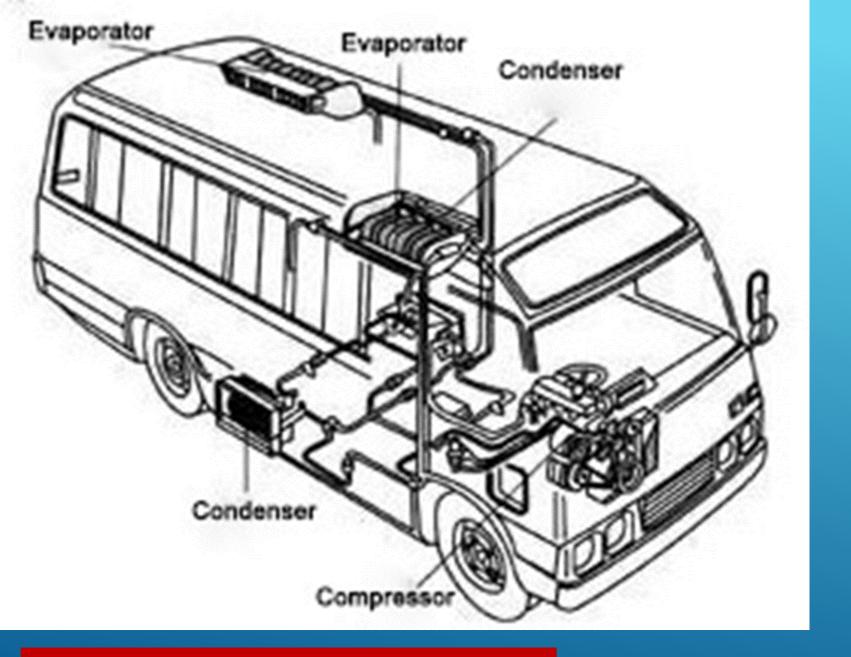
TYPICAL BUS HEATERS

Figure 217 Filter Remove

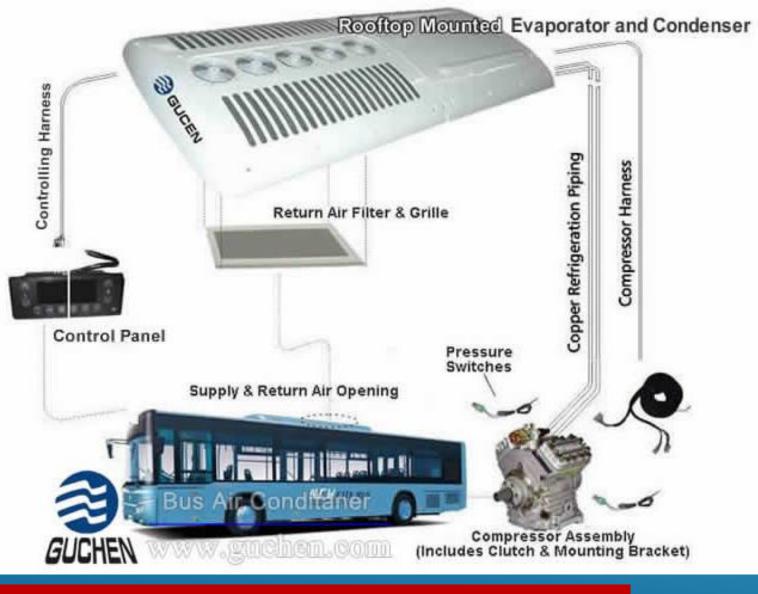
- 1. HEATER FILTER
- 2. HEATER FRONT COVER PLATE
- 3. FILTER ACCESS COVER MOUNTING SCREWS
- 4. FILTER ACCESS COVER
- 5. HEATER BODY ASSEMBLY



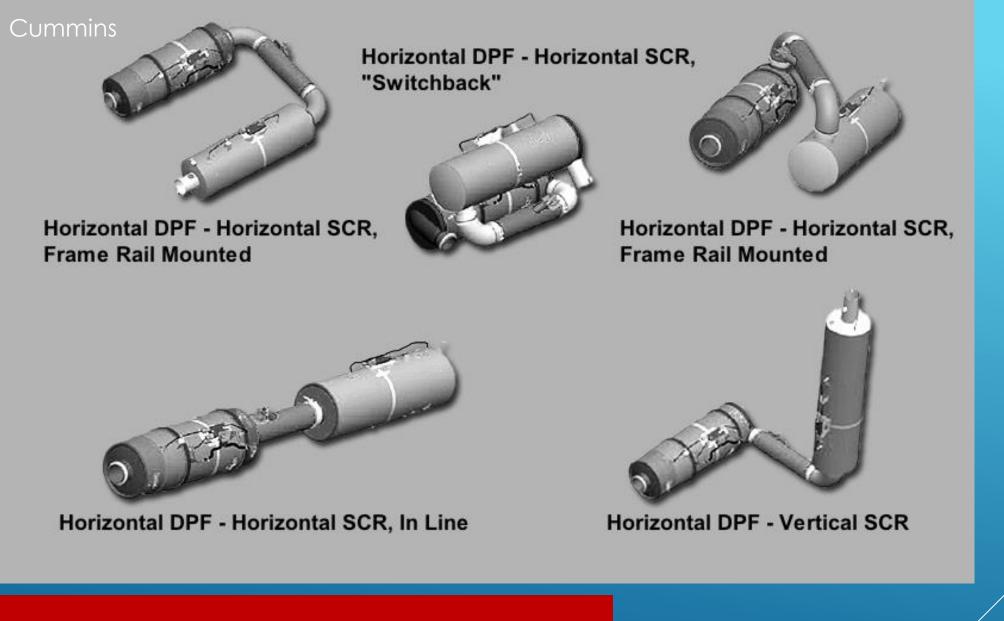
TYPICAL BUS OVERHEAD AC UNITS



INTEGRATED AC SYSTEM OUTLINE



LARGE TRANSIT BUS AC SYSTEM LAYOUT

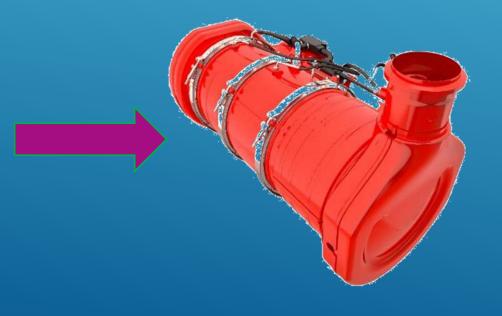


DIESEL EXHAUST AFTER-TREATMENT SYSTEMS

NEXT GENERATION AFTER-TREATMENT

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





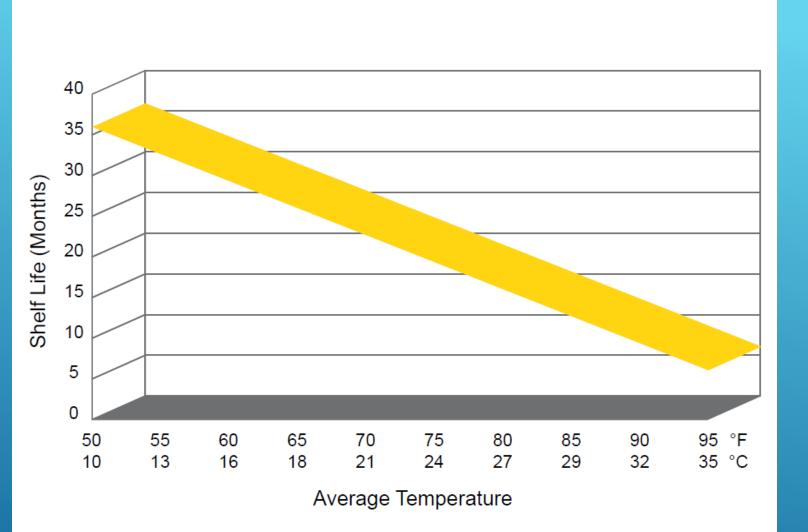




DEF Quality Testing







DEF SHELF LIFE