Prevost Advanced Multiplex System

Developed and tested to optimize H-Series operational efficiency:
reliability, user-friendliness, ease of maintenance

Custom-designed for a perfect fit
- Proprietary technology developed by Prevost and Volvo Bus Corporation
- Unique features and design flexibility to adapt this technology
- Proven reliability through years of testing and over-the-road application
  (operation under climatic conditions ranging between -40°F and 158°F)

Fast and accurate diagnostic of vital components
- Increased up-time through faster troubleshooting
- TEXTUAL diagnostic read-outs in dashboard (no deciphering or code book needed)
- No external read-out module needed
- Dashboard pre-trip inspection mode (all lights and vital functions)
Increased functionality and reliability

– Vehicle remains operational at all times (even in the unlikely event of a system malfunction)
– 1/3 less wiring, relays and terminals
– Dual mode to allow stand-alone operation
– All multiplex modules protected by electronic fuses

Unparalleled integration

– Lower operating cost and inventory
– All same-type modules and relays are interchangeable
– Prevost’s new multiplex system controls all major components:
  • Entrance door control & lighting
  • Kneeling/tag and low buoy
  • HVAC system and defroster
  • Exterior lights
  • Power supply to the interior lights
  • Under-floor compartments lighting
  • Wipers and washers
  • Dash cluster tell-tales
  • Front & rear start
  • Charging system status
  • Horn and fire alarm
  • Lavatory fan, lighting & indicators
  • Prime pump, ether injection and water filter
  • Radiator fan clutch
  • Pre-heater
  • Driver lights
  • Window open sensors
  • Baggage doors lock-unlock
  • Wheelchair lift

Plug & play technology

– Master ID module programmed for each coach (standard equipment and options)
– Master ID module is an onboard permanent software back-up for all modules
– All other system modules automatically programmed (without any tool)