

Spirit of Equest



Patent Pending

Presenting the ARBOC **Spirit of Equest**, a low-floor rural transit bus built on an ARBOC Specialty Vehicles, LLC purpose built chassis. The **Spirit of Equest** can accommodate up to 25 seated passengers and 4 ambulatory passengers. This bus truly displays Equal Access for ALL passengers with no steps throughout the bus! ARBOC's advanced technology exceeds ADA guidelines with a 1:6 ramp slope and 36" door opening for passengers in need of extra assistance and wheelchair accessibility. Backed by a Cummins engine and an Allison transmission, serviceability and reliability make the **Spirit of Equest** the right choice as your rural transportation solution!



EQUAL ACCESS for Everyone



For more information please contact us at
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CHASSIS SPECIFICATIONS

- Chassis - ARBOC Specialty Vehicles, LLC
- Engine - Cummins ISB 6.7L Diesel/6.7G CNG
- Engine Horse Power - 220 @ 2400 RPM
- Top Vehicle Speed - 70 MPH
- Torque - 520 ft. lbs. @ 1600 RPM
- Gross Vehicle Weight (GVWR) - 22,700# (10,272kg)
- Gross Axle Weight (Front) - 9,492# (4,295kg)
- Gross Axle Weight (Rear) - 13,208# (5,976kg)
- Estimated Curb Weight - 15,500# (7,014kg)
- Axle Ratio - 5.78:1
- Transmission - Allison 2200 PTS Heavy Duty 6-Speed Automatic
- Transmission Shifter - Electronic 6 Speed
- Transmission Cooler - Rocore 5-7053D
- Power Steering Pump - TRW Model EV181619L10100
- ZF Front Axle with Air Ride Independent Front Suspension
- ZF Rear Portal Axle with 4 Air Springs
- Air Park Brake - Axle Mounted Spring Setting
- Front Kneeling Air-Spring Suspension w/Mechanical
- Height Control
- WABCO Engine Driven Twin Piston Air Compressor
- VGT Turbo Braking
- Bendix AD-1S Air Dryer
- Wheels 19.5" x 6.5", 8 Lug
- Tires - 245/70 R 19.5
- Front Air Brakes/Disc - Knorr-Bremse/Bendix Type 14
- Rear Air Brakes/Disc - Knorr-Bremse/Bendix Type 16/24
- Fuel Tank - 70 Gal (265 Liters) Diesel or 71 gal DGE (268 Liters)
- Natural Gas
- C/S & R/S Fuel Fills STD
- Radiator Capacity - 6 Gallons (22.5 Liters)
- Radiator Fan Speed Control Type - Electric PWM
- Engine Thermostat Temp Setting - 190 Degrees
- Overheat Alarm Temp Setting - 225 Degrees
- In-Line Circulation Pumps
- Oil Filter - Full Flow/Disposable Type
- Air Cleaner - Heavy Duty Cartridge Type
- Front and Rear Mud Flaps
- Steel Front and Rear Bumper- painted Black
- Exhaust Location - Streetside Roof
- Daytime Running Lights
- Horn / Dual Note Tone
- Cruise Control
- Rear Tow Hooks

STANDARD S

BASE MODELS

- SOE 29' - 191" WB / 29'-8" Overall Length

CONSTRUCTION

- All Tubular Steel Cage Construction w/E-Coat for Anti-Corrosion
- Fully Laminated, Bolt & Bonded Construction
- 5/8" Wood Floor
- Body Width: 100" (2.54M) - or 121.5" (3.08M) w/ext. mirrors
- Exterior Height: 102" (3.04M) - does not include roof hatch or AC
- Interior Height (Front to Rear) - 84"/2.13 M
- Interior Width - 97"/2.46 M
- Entrance Step Height @ Ride Height - 13"/330 MM
- Entrance Step Height when kneeling - 10"/254 MM
- Seating Capacity: Up to 25 Passengers (up to 4 Wheelchairs)
- Altoona Tested- 10 Years/350,000 Miles
- Meets all applicable FMVSS Regulations

ELECTRICAL

- 12-Volt MultiPlex Electrical System
- Battery/Group 31 - (2) Heavy Duty 1540 CCA Total
- Alternator - Prestolite 425-AMP
- Fast Idle
- Ramp Activation System (Includes: Exterior Ramp Toggle Switch)
- "ONE TOUCH" Kneel Switch
- Interior Passenger Lights "ON" with door
- Master Battery Disconnect Switch
- Battery Box (roadside rear)
- Power Port 12-Volt

EXTERIOR BODY/LIGHTS

- Black Rubber Rear Wheel Well Flares
- One Piece Exterior FRP Wall/Skirt
- All Exterior Lights-LED (Incl. Standard Rear Center Mounted Brake Light)

INTERIOR

- Driver's Seat- USSC G2E (right hand armrest)
- Driver's HVAC
- Driver's Side Sun Visor
- Left Hand Stanchion - Stainless Steel
- Right Hand Stanchion - Stainless Steel
- Entry Assist Handles - Stainless Steel
- One Piece FRP Interior Walls/Ceiling
- Door Header Access Panel

MIRRORS/SAFETY

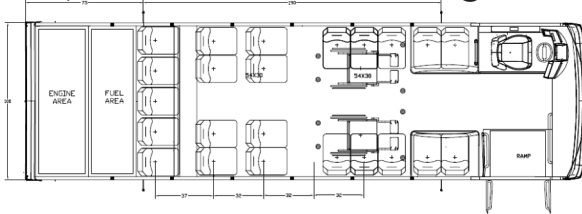
- Interior Convex Mirror
- Remote Exterior Mirrors
- White Standee Line w/Sign
- Egress Window Lights
- Alarm Backup

WINDOWS/DOORS

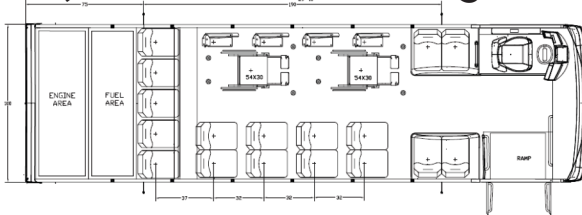
- Extra Egress Window Front Driver Side
- Solid Framed Windows (Optional t-slider or bonded frameless)
- Electric Outward 36" Wide Clear Opening Entrance with Handles

FLOOR PLANS

29', 191" WB - 23 Passenger



29', 191" WB - 25 Passenger



29', 191" WB - 25 Passenger

