



**NEW DGS VEHICLE OPERATION
INSPECTION CHECKLIST**

**PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC TRANSPORTATION**

PURCHASE ORDER NUMBER: _____

AGENCY NAME: _____

VEHICLE TYPE: PCID Number 1153

ACTUAL VEHICLE DELIVERY DATE: _____

VEHICLE IDENTIFICATION NUMBER _____

FLEET NUMBER: _____

VENDOR: _____

INSTRUCTIONS: To complete the New DGS Vehicle Operation Inspection Checklist for each vehicle delivered:

- 1.) Enter the purchase order number, agency name, actual vehicle delivery date, vehicle identification number, fleet number, and vendor on the above spaces.
- 2.) When a vehicle is delivered, complete Part I through Part VII of the checklist. Follow the inspection instructions for each item listed. For each item which passes inspection, place a check mark in the "Pass" column. For each item which is defective during inspection, place a check mark in the "Defective" column and enter any comments in the "Comments" column. Contact the vendor and arrange for correction of all defective items. Once each defective item is corrected, place a check mark in the "Corrected" column of the checklist and enter the date it was corrected in the "Date" column.
- 3.) When all defective items are corrected and the vehicle is determined to be in acceptable condition, the inspector's signature, the date of inspection, and the vehicle identification number must be furnished on the last page of the checklist.
- 4.) A copy of the completed checklist should be mailed to the address shown on the last page of the checklist.

PCID # 1153-Accessible 31' and 33' Transit Bus,
GVWR 19,500 LBS. (Ford Motor Company Chassis)
June 5, 2015

VEHICLE OPERATION INSPECTION – PART I: DELIVERY INSPECTION

ITEM	INSPECTION INSTRUCTIONS	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Federal Motor Vehicle Safety Standards (FMVSS)	Verify that the vehicle does comply with all applicable Federal Motor Vehicle Safety Standards (FMVSS) by checking the affixed safety certification label (driver's side door pillar)			
Operator's Manual	Verify that an operator's manual is provided for the vehicle.			
As Built Service and Electrical Manual	Verify that an as built service and electrical manual is provided for the vehicle and all add-on equipment.			
Front End Alignment with Alignment Sheet	Verify that alignment was completed by the distributor prior to delivery.			
Drawings showing wiring schematics	Verify that drawings showing wiring schematics of auxiliary circuits are provided			
Completely filled fuel tank(s)	Check that the fuel tank or tanks are completely filled.			
Dealer Signs and Emblems	Verify that the vehicle is free of all dealer signs and emblems.			
Original vehicle chassis manufacturer's factory sticker	Verify that the original vehicle chassis manufacturer's factory sticker is provided.			
Valid Pennsylvania State Inspection Sticker	Verify that a valid Pennsylvania State Inspection Sticker is provided			

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM	REQUIREMENT	INSPECTION INSTRUCTIONS	ACTUALLY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
GVWR	19,500 lb. GVWR Minimum	Verify GVWR – Check the safety certification label (driver's side door pillar).				
Engine	Minimum V8 or V10, 6.8 Liter Gas Engine	Verify the engine capacity (Original vehicle chassis manufacturer's factory sticker).				
Transmission	Heavy Duty Five (5) Speed Automatic Transmission With Auxiliary Transmission Oil Cooler	Verify the type of transmission provided (Original vehicle chassis manufacturer's factory sticker).				
Wheelbase	213 Inch Minimum Wheelbase	Verify through measuring the wheelbase of the vehicle that at least 213 inch wheelbase was provided.				
Alternator	Minimum 155 amp total capacity alternator(s).	Verify the alternator capacity (Original vehicle chassis manufacturer's factory sticker, or on plate on exterior of alternator if provided).				
Battery System	12 volt maintenance free dual battery system/1,200 CCA @ 0 Degrees Fahrenheit with one battery mounted in the engine compartment if available from the OEM.	Verify that a 12 volt maintenance free dual battery system/1,200 CCA @ 0 Degrees Fahrenheit is provided, with one battery mounted in the engine compartment if it is available from the OEM.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM	REQUIREMENT	INSPECTION INSTRUCTIONS	ACTUALLY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Stainless Steel Rollout Battery Tray and Battery Box	A stainless steel rollout battery tray completely enclosed in a stainless steel vented battery box shall be provided for all frame mounted batteries.	Verify that a stainless steel rollout battery tray completely enclosed in a stainless steel vented battery box was provided for all frame mounted batteries.				
Gauges	Gauge for Water Temperature is to be provided.	Verify that a gauge for water temperature was provided.				
Exhaust	The exhaust shall exit on the driver's side of each vehicle behind the rear wheels within 6 inches of the rear bumper.	Verify that the exhaust does exit on the driver's side of each vehicle behind the rear wheels within 6 inches of the rear bumper.				
Fuel Tank	40 Gallon Minimum	Verify the size of the fuel tank provided (Original vehicle chassis manufacturer's factory sticker).				
Spare Wheel and Tire	Spare Wheel and Tire Shall be Located Unmounted Inside the Vehicle.	Verify spare wheel and tire is provided and is located unmounted inside the vehicle.				
Two or One Strip Under Hood Light(s)	Two or One strip LED Under Hood Light(s) shall be provided (Minimum 50 lumens).	Verify that two or one strip LED Under Hood Light(s) of minimum 50 lumens were provided.				
AM/FM/CD Radio with Digital Clock, Front Driver Speaker, and Dual Four Rear Compartment Speakers	AM/FM/CD Radio with Digital clock, Front Driver Speaker, and Dual Four Rear Compartment Speakers shall be provided.	Verify that an AM/FM/CD Radio with Digital Clock, Front Driver Speaker, and Dual Four Rear Compartment Speakers were provided.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM	REQUIREMENT	INSPECTION INSTRUCTIONS	ACTUALLY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Sun Visor for Driver	A Sun Visor shall be provided for driver.	Verify that a sun visor is provided for driver.				
T-Slider Sash Windows	T-Slider Sash Windows shall be provided for ventilation.	Verify that T-Slider sash windows were provided for ventilation.				
Lift and Emergency Doors equipped with a Passive hold open Device	Lift and Emergency Doors shall be equipped with a Passive hold open Device.	Verify that the lift and emergency doors are furnished with a passive hold open device.				
Stepwell, Curb and Dome Lights	The Stepwell, Curb and Dome Lights shall be activated when the Front Passenger Door is open while the engine is running.	Verify that the stepwell, curb and dome lights are activated when the front passenger door is open while the engine is running.				
Swivel Dome Light in the Driver's Area	The Driver's Area shall have a LED Swivel Dome Light and operated by an OEM Chassis Light Switch.	Verify that the Driver's Area has a LED Swivel Dome Light and is operated by an OEM Chassis Light Switch.				
Interior Lights	All interior lights (6 Rear) shall be LED with a switch on the dash and door operated switches on all doors.	Verify that all interior lights (6 Rear) are LED with a switch on the dash and door operated switches on all doors.				
Interior Body Width	The Interior Body Width shall be a Minimum 90 inches.	Verify that the Interior Body Width is a Minimum of 90 inches.				
Interior Height	The Interior height shall be a minimum 72 inches.	Verify that the Interior height is a minimum of 72 inches.				
OEM Valve Stems	OEM valve stems shall be provided.	Verify that OEM valve stems were provided.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM	REQUIREMENT	INSPECTION INSTRUCTIONS	ACTUALLY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Chassis OEM Cloth High Back Captain's Reclining Driver's Seat and Six Way Power Pedestal or Adnick Powered Pedestal with Shroud	Chassis OEM Cloth High Back Captain's reclining driver's seat and six way power pedestal or Adnick powered pedestal with shroud.	Verify that a chassis OEM cloth high back captain's reclining driver's seat and six way power pedestal or Adnick powered pedestal with shroud was provided.				
Tinted AS2 Glass in all Body Windows	Tinted AS2 Glass shall be provided in all body windows.	Verify that tinted AS2 glass is provided in all body windows.				
Passenger Rear View Inside Mirror	A Passenger Rear View Inside Mirror with a Minimum 4 inches by 16 inches shall be provided.	Verify that a Passenger Rear View Inside Mirror with a Minimum 4 inches by 16 inches was be provided.				
Handrails on Both Sides of Steps at Entrance Door	Handrails shall be provided on Both Sides of the Steps at the entrance door.	Verify that handrails were provided on both sides of the steps at the entrance door and are full length and parallel to steps for the convenience of ambulatory passengers.				
Back-up Alarm System	A back-up alarm system shall be provided.	Verify that a back-up alarm system was provided.				
Mud Flaps Provided for all Wheels	Mud Flaps shall be provided for all wheels.	Verify that mud flaps were provided for all wheels.				
Tilt Steering Wheel	A Tilt steering Wheel shall be provided.	Verify that a tilt steering wheel shall be provided.				
Driver's Side Running Board or Tube Step	A Driver's Side Running Board or tube step shall be provided.	Verify that a driver's side running board or tube step (Carr HD-18") is provided.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM	REQUIREMENT	INSPECTION INSTRUCTIONS	ACTUALLY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Front Entrance Door Unobstructed Clear Opening Width and Full Height	The front entrance door shall have an unobstructed clear opening width of at least 29 inches and a full height of at least 72 inches.	Verify that the front entrance door has an unobstructed clear opening width of at least 29 inches and a full height of at least 72 inches.				
Stepwell Treads	Stepwell treads shall be at least 8.5 inches deep.	Verify that all stepwell treads are at least 8.5 inches deep.				
Ground to First Step	The distance from Ground to the First Step of the Entryway shall be 11 inches plus or minus 1 inch.	Verify that the distance from ground to the first step of the entryway is 11 inches plus or minus 1 inch.				
Individual Step Risers	Individual step risers shall not exceed 9 inches in height.	Verify that Individual step risers do not exceed 9 inches in height.				
Step Width	Step width shall be a minimum of 29 inches.	Verify that the step width is a minimum of 29 inches.				
Step Nose	Step nose shall be yellow in color.	Verify that the step nose shall be yellow in color.				
Rear Emergency Door	The rear emergency door shall have an upper and lower window.	Verify that the rear emergency door has an upper and lower window.				
OEM Chassis Interior Rear View Mirror	An OEM Chassis interior rear view mirror shall be provided.	Verify that an OEM Chassis interior rear view mirror was provided.				
Electrically Heated First Step	The first step shall be electrically heated.	Verify that the first step is electrically heated.				

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ITEM	REQUIREMENT	INSPECTION INSTRUCTIONS	ACTUALLY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Metal Roof Gutters over all Windows and Doors, including Driver's Door.	Metal roof gutters shall be provided over all windows and doors, including driver's door.	Verify that metal roof gutters were provided over all windows and doors, including driver's door.				
Unladen Clearance Height Decal or Sign with 1 ½ Inch High Lettering.	The unladen clearance height plus two inches shall be marked on a decal or sign that is clearly visible to driver. The lettering shall be 1 ½ inches high.	Verify that the unladen clearance height plus two inches shall be marked on a decal or sign that is clearly visible to driver. The lettering shall be 1 ½ inches high.				
Escape Roof Hatch with a Audible Alarm.	An escape roof hatch with an audible alarm shall be provided that can be opened from inside or outside each vehicle.	Verify that an escape roof hatch with an audible alarm was provided that can be opened from inside or outside each vehicle.				
Rear Center Stop Light.	A rear center stop light shall be provided.	Verify that a rear center stop light shall be provided.				
Overhead Evaporator and Rear Heater.	An overhead evaporator with a minimum of 80,000 BTU shall be mounted in the rear with a 45,000 BTU passenger compartment heater with two brass and/or stainless steel ball shut off valves.	Verify that an overhead evaporator with a minimum of 80,000 BTU was mounted in the rear with a 45,000 BTU passenger compartment heater with two brass and/or stainless steel ball shut off valves.				
Air Conditioning Winter Protection Covers	Air Conditioning Winter Protection Covers shall be provided.	Verify that Air Conditioning Winter Protection Covers shall be provided				

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Passenger Area Condenser	The passenger area condenser (separate from the radiator) shall be skirt mounted with a minimum of three (3) fans and three (3) motors.	Verify that the passenger area condenser (separate from the radiator) shall be skirt mounted with a minimum of three (3) fans and three (3) motors.				
Wall Mounted First Aid Kit.	A wall mounted first aid kit in a hard shell case (Johnson and Johnson First Aid Kit #8172 or approved equal) shall be provided.	Verify that a wall mounted first aid kit in a hard shell case (Johnson and Johnson First Aid Kit #8172 or approved equal) was provided.				
Five Pound Fire Extinguisher	A mounted five pound dry chemical type A-B-C fire extinguisher shall be provided.	Verify that a mounted five pound dry chemical type A-B-C fire extinguisher was provided.				
Emergency Warning Triangle and Flare Kit	A mounted emergency warning triangle and flare kit shall be provided.	Verify that a mounted emergency warning triangle and flare kit was provided.				
OHSA Approved Body Fluids Clean-up Kit	A mounted OHSA approved body fluids clean-up kit in a hard shell case shall be provided.	Verify that a mounted OHSA approved body fluids clean-up kit in a hard shell case was provided.				

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ITEM	REQUIREMENT	INSPECTION INSTRUCTIONS	ACTUALLY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Two Belt Cutters	Two belt cutters shall be shipped loose with self-adhesive Velcro tape.	Verify that two belt cutters shall be shipped loose with self-adhesive Velcro tape.				
Auto Wallet	An Auto Wallet (NAPA Brand) or approved equal with self adhesive shall be provided.	Verify that an Auto Wallet (NAPA Brand) or approved equal with self adhesive was provided.				
Rear Windows on each Side of Rear Door	Twin rear windows shall be provided on each side of the rear door.	Verify that rear windows are provided on each side of the rear door.				
LAYOUT SPECIFIC EQUIPMENT SECTION						
ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Double Forward Facing Two Stage Fold Down Seat		Verify that each double forward facing two stage fold down seat includes a seat mounted retractable seat belt for each person, aisle side arm rest and padded hand hold. Seat width 17 ½ inches, depth 19 inches ± 2 inches, back height 22 inches ± 2 inches, floor to top of seat cushion: range 17 ½ inches to 18 ½ inches .				

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ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Single Forward Facing Two Stage Fold Down Seat		Verify that each single forward facing two stage fold down seat includes a seat mounted retractable seat belt, aisle side arm rest and padded hand hold. Seat width 17 ½ inches, depth 19 inches ± 2 inches, back height 22 inches ± 2 inches, floor to top of seat cushion: range 17 ½ inches to 18 ½ inches .				
Double Aisle Facing Flip Seat		Verify that each double aisle facing flip seat includes a seat mounted retractable seat belt for each person and arm rests. Seat width 17 ½ inches, depth 19 inches ± 2 inches, back height 22 inches ± 2 inches, floor to top of seat cushion: range 17 ½ inches to 18 ½ inches				
Single Aisle Facing Flip Seat		Verify that each single aisle facing flip seat includes a seat mounted retractable seat belt and arm rests. Seat width 17 ½ inches, depth 19 inches ± 2 inches, back height 22 inches ± 2 inches, floor to top of seat cushion: range 17 ½ inches to 18 ½ inches				

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ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Double Forward Facing Fixed Seat		Verify that each double forward facing fixed seat includes a seat mounted retractable seat belt for each person, aisle side arm rest and padded hand hold. Seat width 17 ½ inches, depth 19 inches ± 2 inches, back height 22 inches ± 2 inches, floor to top of seat cushion: range 17 ½ inches to 18 ½ inches .				
Single Forward Facing Fixed Seat		Verify that each single forward facing fixed seat includes a seat mounted retractable seat belt, aisle side arm rest and padded hand hold. Seat width 17 ½ inches, depth 19 inches ± 2 inches, back height 22 inches ± 2 inches, floor to top of seat cushion: range 17 ½ inches to 18 ½ inches				
Single Panel Wheelchair Lift Door		Verify that an outward opening, single panel, stainless steel or galvanized or anodized aluminum side wheelchair lift door equipped with window, including a stainless steel door jam, for installation of a wheelchair lift.				

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ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Double Panel Wheelchair Lift Doors		Verify that an outward opening, double panel, stainless steel or galvanized or anodized aluminum side wheelchair lift doors equipped with windows, including a stainless steel door jam, for installation of a wheelchair lift.				
ADA Compliant Wheelchair Lift Package: Braun ADA Fully-Automatic, Millennium-2, Lift NL919FIB-2		Verify that the wheelchair lift is a Braun ADA fully-automatic Millennium -2 lift Model # NL919FIB-2.				
ADA Compliant Wheelchair Lift Package: Braun ADA Fully-Automatic, Century-2, Lift NCL919FIB-2		Verify that the wheelchair lift is a Braun ADA fully-automatic Century-2 lift Model # NCL919FIB-2.				
ADA Compliant Wheelchair Lift Package: Ricon S5510-ADA or Ricon S2010-ADA Fully-Automatic Lift		Verify that the wheelchair lift is a Ricon S5510-ADA or Ricon S2010-ADA fully-automatic lift.				
Wheelchair Securement and Occupant Restraint Systems: Sure-Lok L-Track System (Retractor) #AL712S-4C Titan		Verify that the wheelchair securement and automatic height adjustable occupant restraint system is a Sure-Lok L-Track System (retractor) Model #AL712S-4C Titan.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
Wheelchair Securement and Occupant Restraint Systems: Sure-Lok L-Track System (Retractor) SOLO #AL760S-4C		Verify that the wheelchair securement and automatic height adjustable occupant restraint system is a Sure-Lok L-Track System (retractor) SOLO Model #AL760S-4C.				
Wheelchair Securement and Occupant Restraint Systems: Q-Straint DELUXE L-Track System (Retractor) #Q-8100-A1-L		Verify that the wheelchair securement and automatic height adjustable occupant restraint system is a Q-Straint DELUXE L-Track System (Retractor) #Q-8100-A1-L.				
Wheelchair Securement and Occupant Restraint Systems: Q-Straint Slide'N-Click L-Track System (Retractor) #Q-8100-A1-SC		Verify that the wheelchair securement and automatic height adjustable occupant restraint system is a Q-Straint Slide'N-Click L-Track System (Retractor) #Q-8100-A1-SC.				
LAYOUT 1153/A		Verify that six double forward facing fixed seats, two wheelchair positions, two specified wheelchair securement and occupant restraint systems, one specified ADA compliant wheelchair lift package, and single or double panel wheelchair lift door(s).				

ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
LAYOUT 1153/B		Verify that eight double forward facing fixed seats, two wheelchair positions, two specified wheelchair securement and occupant restraint systems, one specified ADA compliant wheelchair lift package, single or double panel wheelchair lift door(s), and a flat floor.				
PCID # 1153 OPTIONAL EQUIPMENT SECTION						
ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
#1 Rear Axle Limited Slip Gas Engine		Verify that chassis OEM rear axle limited slip is provided. Aftermarket is acceptable.				
#2 Front Entrance Electric Door		Verify that a front entrance electric door is provided (A & M or approved equal).				
#3 Locking Overhead Storage Box		Verify that an overhead locking storage area is provided above the driver.				
#4 Exterior Body Paint – One Color		Verify that one exterior color of paint for the entire bus other than standard white with base coat and clear coat was provided.				
#5 Exterior Body Paint – Two Colors		Verify that two exterior colors (two tone) of paint for the entire bus other than standard white with base coat and clear coat with standard body line break was provided.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
#6 Vinyl Graphics Decaling		Verify that logo, stripping and lettering and partial wrap (maximum \$750) is provided.				
#7 Vinyl Graphics Decaling		Verify that logo, stripping and lettering (maximum \$1,500) is provided.				
#8 Vinyl Graphics Decaling		Verify that a full wrap (maximum \$3,000) is provided..				
#9 Wheelchair Securement and Occupant Restraint Systems: American Seating ARM and Dual Auto-Lok, Lok-It System		Verify that the wheelchair securement and occupant restraint system is a American Seating ARM and Dual Auto-Lok, Lok-It System comprised of the ARM with Sure-Lok Retractors and the dual Auto-Lok.				
#10 Fixed Route Service Package and Public Address System		Verify that a fixed route service package and public address system was provided, which includes: Two different tone chime cords with lighted "Stop Requested" 4 inches height x 15 1/2 inches width sign, farebox prep, and PA amplifier/control head used in the radio Engineering Industries, Inc. (REI) PA system (#769982) is an integrated Radio/CD Player/PA system (REI #710053).				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
#11A Destination Signage: Twin Vision na, Inc., Model: Mobile Lite Series		Verify that LED front and side destination signage is a Twin Vision na, Inc., Model: Mobile Lite series.				
#11B Destination Signage: Twin Vision na, Inc., Model: Smart Series		Verify that LED front and side destination signage is a Twin Vision na, Inc., Model: Smart Series.				
#11C Destination Signage: Luminator USA, Model: Horizon Series		Verify that LED front and side destination signage is a Luminator USA, Model: Horizon Series.				
#11D Destination Signage: Transign, Model: LED Series		Verify that LED front and side destination signage is a Transign, Model: LED Series.				
#11E Destination Signage: Aesys, Inc., Model: VerbaBUS		Verify that LED front and side destination signage is a Aesys, Inc., Model: VerbaBUS.				
#12 Farebox		Verify that a two (2) vault fare box was provided and mounted on a stanchion with the trip handle toward the driver. Reference: Main Fare Box-Model M4, Diamond Fare box or approved equal.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
#13 Vinyl Flooring		Verify that a 2.2 mil Altro transfloor or approved equal was provided.				
#14A Fire Suppression System: Amerex		Verify that the engine compartment is equipped with an automatic fire suppression system: Amerex with 13 pound capacity extinguisher.				
#14B Fire Suppression System: Kidde Dual Spectrum		Verify that the engine compartment is equipped with an automatic fire suppression system: Kidde Dual Spectrum with 13 pound capacity extinguisher.				
#15 Brake Retarder		Verify that the vehicle was equipped with a foot operated electric brake retarder. Reference: Telma Electromagnetic CC-50 LAD, Martin Electric Retarder, Jacob's Driveline Brake Retarder, Voith Magnetarder or approved equal.				
#16 Energy Absorbing Rear Bumper		Verify that the vehicle was equipped with an energy absorbing rear bumper.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
#17 Supplemental Rubber Suspension System		Verify that the vehicle was equipped with a supplemental rubber suspension system, MOR/Ryde RL suspension system, EZ Ride, Roll Guard, or approved equal.				
#18A Four Camera On-Board Digital Recording System		Verify that a four camera mobile DVR system, Bus-Watch DBW6, Safety Vision RR4CSD, SerVision MVG400, Seon MX4, Apollo MRH4 Roadrunner, Zen-Tinel SD-VX or approved equal was installed in the vehicle.				
#18B Two Camera, Windshield Mounted Recording System		Verify that a two camera windshield mounted video system, Rosco Dual-Vision DV101E, Zen-Tinel CFR-WM or approved equal was installed in the vehicle.				
#18C Eight Camera On-Board Digital Recording System		Verify that an eight camera mobile DVR system, RoadRunner Mobile Digital Video System, Apollo MRH8 Roadrunner or approved equal was installed in the vehicle.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
#19 OEM Service Manuals, CD-ROM		Verify that a complete set of chassis OEM service CD-ROM manuals were provided with the vehicle, which include electrical, emissions and service.				
#20 Safe-T-Net		Verify that Safe-T-Net was provided with the vehicle.				
#21 Two Way Radio Antenna Access Panel		Verify that a two-way radio antenna access panel was supplied in the front ceiling section of the vehicle above the driver.				
#22 Heated Back-Up Camera System		Verify that a heated back-up camera system was provided with the vehicle, including weatherproof heated camera with night vision, seven inch high-resolution color monitor, integrated audio, versatile mounting hardware, harness, accessories, and user manual. Rosco Safe-T-Scope Color Back-Up Camera System Kit STSK7360 or approved equal.				
#23 Bicycle Rack		Verify that a bicycle rack was provided with the vehicle. Sportworks two-position stainless steel rack DL2NP or approved equal.				

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#24 Longitudinal Full Length "L" Track		Verify that four 50 inch lengths of "L" -track was installed in the floor lengthwise throughout the wheelchair position. The two inside tracks were spaced on 17 inch centers and the outside track was spaced on 30 inch centers. In addition to the floor tracks, a 50 inch section of track was installed above the windows in the same corresponding longitudinal locations as the floor track.				
#25 Diesel Engine: 6.7 L V8 Diesel Engine		Verify that a 6.7L V8 diesel engine which includes a 6 speed automatic transmission with overdrive, 320 Amp dual alternators, dual 750 CCA battery system and engine block heater.				
#26 CNG System		Verify that a dedicated compressed natural gas system which will include Ford's OEM hardened valves. Each CNG fuel cylinder shall be secured to the frame of the vehicle. All shields shall be 16 gauge stainless steel covering the front, back, sides, and bottom. CNG fuel fill; receptacle shall be a Sherex 1000 or approved equal.				

ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
#26A Floor Plan 1153/A		Verify that the dedicated minimum CNG capacity of 38 Gas Gallon Equivalent (GGE). This option will allow for the removal of the side battery box and accept the secondary battery to be frame mounted.				
#26B Floor Plan 1153/B		Verify that the dedicated minimum CNG capacity of 38 Gas Gallon Equivalent (GGE).				
#27 Bi-Fuel System		Verify that a bi-fuel CNG/Gas package was provided. This system will include Ford's OEM hardened valves.				
#27A Floor Plan 1153/A		Verify that the Ford OEM 40 gallon gas tank is located behind the rear axle.				
#27B Floor Plan 1153/B		Verify that the Ford OEM 40 gallon gas tank is located behind the rear axle.				
28 Mobile Gas Detection System		Verify that a vapor monitoring system has been provided for the detection of compressed natural gas (CNG), and any other hydrocarbon fuel vapors. This system consists of two sensors and have both visual and audible alarms at trace and significant gas concentration levels.				
29 Condenser		Verify that the skirt mounted condenser has been relocated to the roof.				

VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

CHANGE ORDER ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
		Verify that the requested Change Order Item and the quantity of the requested Change Order Item was provided.				
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CHANGE ORDER ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
		Verify that the requested Change Order Item and the quantity of the requested Change Order Item was provided.				
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VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

CHANGE ORDER ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
		Verify that the requested Change Order Item and the quantity of the requested Change Order Item was provided.				
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VEHICLE OPERATION INSPECTION – PART II: CONFIGURATION AUDIT

CHANGE ORDER ITEM DESCRIPTION	QUANTITY REQUIRED	INSPECTION INSTRUCTIONS	QUANTITY PROVIDED	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
		Verify that the requested Change Order Item and the quantity of the requested Change Order Item was provided.				
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VEHICLE OPERATION INSPECTION – PART III:
INSPECTION ON LEVEL GROUND, ENGINE OFF AND COLD

ITEM	INSPECTION INSTRUCTIONS	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
<u>A. Hood Up</u> 1. Engine, General a) Belts	Check condition, tightness, and tension			
b) Filters	Verify air filter, oil filter. Check for leaks around oil filter.			
2. Electrical a) Battery	Inspect connections, case, cables, terminals, mountings, check for excessive corrosion.			
b) Wiring and Junction Box	Open electrical and junction box: Inspect for loose and stretched wires, check wiring supports and damaged insulation.			
3. Fluid Levels a) Coolant	Check anti-freeze level, maintain 20 degrees F year round.			
b) Engine Oil	Check oil level and for dipstick damage			
c) Brake Master Cylinder	Check mountings, fluid level, inspect for leaks.			
d) Power Steering pump	Check mountings, fluid level, inspect for leaks.			
4. Hoses	Check radiator, heater, and vacuum hoses and hose clamps. Check hoses for excessive cracks or weathering, firmness – not too soft to collapse. Check for leaks.			
5. Windshield Wiper And Washer	Check blade sweep and operation, blade condition, washer operation.			

VEHICLE OPERATION INSPECTION – PART III:
INSPECTION ON LEVEL GROUND, ENGINE OFF AND COLD

ITEM	INSPECTION INSTRUCTIONS	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
<u>B. Walk Around, External</u>				
1. Tires (Including Spare)	Check for bulges, cracks, and abrasions severe enough to expose cords, check tread depth and correct air pressure. Inspect valve stem (Check for damage, deterioration, air leaks, and valve caps).			
2. Wheels	Inspect each rim for dents and cracking. Check lugs and lug nuts (None missing and all tight), and insure that wheel covers are secure.			
3. Lights (All Functions) a) Headlights	Check alignment, operation (Both high and low beam elements must be operational), high beam indicator, headlight switch operation, instrument panel lights operation.			
b) Turn Signals and Exterior Lights	Check lever condition, indicator lights operation, tail lights, brake lights, parking lights, emergency flasher, license plate light.			
4. Ramp or Wheelchair Lift	Inspect operation (Check for binding and pulsating movement, lift assembly fatigue), lock operation, hydraulic lines and fittings (Check for fluid leaks and excessive flexible hose wear). Check for loose parts. Listen for rattling noises.			
5. Finish and Color	Visually inspect all exterior surfaces for body work and paint flaws.			

VEHICLE OPERATION INSPECTION – PART III:
INSPECTION ON LEVEL GROUND, ENGINE OFF AND COLD

ITEM	INSPECTION INSTRUCTIONS	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
<u>C. Interior</u> 1. Door Assembly and Operation, Window Assembly and Operation	Inspect panels (Check for loose or missing bolts, moldings, and handles), hinges and pins (Check for free movement and secure mountings), locking mechanism and handle operation, weather stripping (Check for worn, missing and broken stripping and water leakage due to improper sealing), door fit and hinges lubed, key lock operation, window condition, and window handle and operation.			
2. Seats, Belts, and Tiedowns	Inspect condition of driver's and passenger's seats; check seatbelts for hazardous protrusions, good fit and workmanship; check adjustments and lock of wheelchair tiedowns.			
3. Leaks	Check for leaks (Use garden hose, coarse spray or take to carwash)			
4. Accessories	Check mirrors (Action and secure); fire, first aid and emergency equipment. Verify lamp operation for all interior lighting.			

**VEHICLE OPERATION INSPECTION – PART IV:
INSPECTION ON LIFT, ENGINE COLD**

ITEM	INSPECTION INSTRUCTIONS	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
A. Steering Linkage	Check for loose parts, excessive play.			
B. Leaks	Inspect brake lines; transmission seals and cooling lines; oil sump and valve covers; radiator pump, and heater; shocks; and air conditioner seals and lines.			
C. Lube Fittings	Inspect steering linkage, control arms, and universals, check lube level (rear end).			
D. Clear Passage/Lines	Check for abrasion and damage on brake lines and cables, fuel lines, transmission, cooling and refrigerant lines, wires and hoses.			
E. Suspension	Inspect springs (Check for breakage and distortion), spring hangers (Check for distortion, breakage and loose anchors), U-bolts and nuts (None loose or missing), axle housing and backing plate (Check for distortion, breakage, and leaks).			
F. Exhaust System	Visually check for holes and excessive bends in piping and muffler; loose clamps, hangers, and flanges; damage.			
G. Undercoating	Inspect for completeness of undercoating.			

VEHICLE OPERATION INSPECTION – PART V:
INSPECTION ON LEVEL GROUND, ENGINE COLD, IDLING

ITEM	INSPECTION INSTRUCTIONS	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
A. Start Sequence List	Place gear selector in park or neutral, depress foot brake and check engine for: choke operation, ignition key lock and operation, starter, acceleration pedal, engine operation and idle.			
B. Dash Gauge Functioning	Check the operation of the fuel gauge, speedometer, temperature indicator, oil pressure indicator, and amperage (alternator) indicator.			
C. Brake Operation and Adjustment 1.) Parking Brake Release	Check the operation of the parking brake release.			
2.) Foot Brake Pedal Travel	Free pedal travel should not exceed the halfway point.			
D. Power Steering	Swing wheel lock to lock, check for full movement of whets, belt slip, leaks			
E. External Inspection, Engine Idling (Hood Up) 1.) Exhaust System	Listen for escaping exhaust gases.			
2.) Air Conditioning	Examine belt tensions, check for leaks, verify that mountings are secure.			
3.) Electrical System/ Alternator, Regulator	Verify that mountings are secure, check for bearing and belt squeaks, and vibrations.			
F. Heater	Check the operation of the heater.			

VEHICLE OPERATION INSPECTION – PART VI: ROAD TEST

ITEM	INSPECTION INSTRUCTIONS	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
A. Brake Functions 1.) Service and Parking Brakes	Verify function of service and parking brakes – easy slow down and stop test run: straight, noticeable power assist, no noise. Hard, powerful braking test: straight, level power assist adequacy (Some groan or rumble acceptable). Parking brake holds in “drive” (Automatic)			
2.) Parking Brake Indicator	Verify function of brake indicator – indicator is “on” when parking brakes are set, indicator is off when they are released.			
B. Transmission	Check shift points and smoothness (Automatic)			
C. Air Conditioning	Check controls and performance.			
D. Steering (In open lot)	Check alignment (No oversensitivity to small wheel motions, neutral wheel on center, no drift or pull), normal turns (Quick response, good handling), and hard turns (No severe over/under steer).			
E. Radio (If equipped)	Check reception, and tuning (No spark noise)			

VEHICLE OPERATION INSPECTION – PART VII:
INSPECTION ON LEVEL GROUND, ENGINE HOT, IDLING

ITEM	INSPECTION INSTRUCTIONS	PASS (YES/NO)	DEFECTIVE COMMENTS	DATE CORRECTED
A. Leaks	Check for leaks under vehicle and in engine compartment. Verify coolant and lubricant quantities are unchanged from initiation of road test.			
B. Engine	Check smoothness/vibrations, exhaust fumes and smoke, noises (Belts, bearings, intakes), and cooling at idle.			
C. Air Conditioning	Open door and operate lift (If equipped). Check cooling performance after doors close.			

Add any additional comments as necessary to more clearly define the vehicle condition and operation.

Sign your name and enter the date of inspection, and Vehicle Identification Number (V.I.N.).

 Signature of Inspector Date of Vehicle Acceptance Vehicle Identification Number

Forward one copy of each part of the completed vehicle operation inspection checklist to:

Pennsylvania Department of Transportation
 Bureau of Public Transportation
 P. O. Box 3151
 Harrisburg, PA 17105-3151
 ATTENTION: Mr. Robert Zolyak, Projects Engineer
 Email: rzolyak@state.pa.us
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