

FTA SPECIAL PROVISIONS
&
BUY AMERICA DOCUMENTS

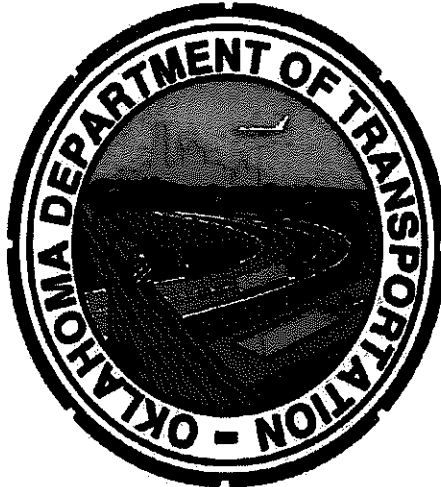
NATIONAL BUS SALES & LEASING

SECTION "L" – GLAVAL

24', 15 PASSENGER, REAR LIFT METAL BUS

GLAVAL

**OKLAHOMA
DEPARTMENT
OF
TRANSPORTATION**



**TRANSIT
PROGRAMS
DIVISION**

**FTA'S
SPECIAL PROVISIONS
FOR THE PROCUREMENT OF CAPITAL EQUIPMENT
WITH AN ESTIMATED CUMULATIVE COST
IN EXCESS OF \$100,000**

STATEMENT OF FEDERAL PARTICIPATION

THIS PROCUREMENT IS DEPENDENT UPON THE AVAILABILITY OF FEDERAL FUNDS THROUGH THE FEDERAL TRANSIT ADMINISTRATION (FTA)

**PAGES 2 THRU 15 OF THIS DOCUMENT ARE TO BE COMPLETED BY
BIDDER/VENDOR**

**PAGES 18 THRU 24 OF THIS DOCUMENT ARE TO BE COMPLETED BY PRE
AWARD REVIEWER AT TIME OF THE BID AWARD**

**PAGES 26 THRU 32 ARE TO BE COMPLETED BY THE PURCHASER AT THE
TIME OF VEHICLE DELIVERY**

**SPECIAL PROVISIONS FOR THE PROCUREMENT OF CAPITAL EQUIPMENT
USING FEDERAL FUNDS**

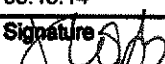
**THE FOLLOWING REQUIREMENTS AND CONDITIONS ARE INCLUDED AS AN
ESSENTIAL PART OF THE SPECIFICATIONS ATTACHED HERETO.**

SECTION I. FOR ALL BIDS:

**FMVSS CERTIFICATION - 49 CFR 571 Part D
(Circle all applicable standard #s)**

#	Title	#	Title
101	#*Controls and Displays	102	#*Transmission shift lever sequence, starter, interlock, transmission braking effect
103	#*Windshield defrost and defogging system	104	#*Windshield wiping and washing system.
105	#*Hydraulic brake system.	106	#*Brake hoses
107	#*Reflecting surfaces	108	#*Lamps, reflective devices, and assoc. equip.
109	#New pneumatic tires	110	#Tire selection and rims.
111	#*Rearview mirrors	112	#*Headlamps concealment devices.
113	#*Hood latch system	114	#Theft Protection (not for walk-in vans)
115	#*VIN -basic requirements.	116	#*Motor vehicle brake fluids.
117	#Re-treaded pneumatic tires (to be used on rear wheels only)	118	#Power-operated window, partition, roof panel system (GVWR < 10K)
119	*New pneumatic tires for vehicles other than passenger cars	120	*Tire selection & rims for vehicles other than passenger cars
121	*Air brake system	124	#*Accelerator control system.
129	#New non-pneumatic tires for passenger cars.	201	#@Occupant protection in interior impact
202	#@Head restraints	203	#@Impact protect, driver steering control system
204	#*Steering control rearward displace (not walk-in vans)	205	#*Glazing materials
206	#Doors, locks, and door retention components.	207	#*Seating system
208	#*Occupant crash protection	209	#*Seat belt assemblies.
210	#@Seat belt assembly anchorages.	211	#Wheels, nuts, wheel discs, and hub caps
212	#@Windshield mounting	213	#*Child restraint system.
214	#@Side impact protection (not walk-in vans)	217	*Bus emergency. exits / window retention & release
219	#@Windshield zone intrusion	220	*School Bus rollover protection
301	#@Fuel system integrity (+School Bus >10K GVWR)	302	#*Flammability of interior materials.

The undersigned BIDDER/VENDOR hereby certifies that all vehicles furnished meet the FMVSS IAW 49 CFR 571.

Name of Company National Bus Sales & Leasing Inc	Date 05.15.14
Printed Name of Person Signing Form Jennifer Cobb, Sales Coordinator	Signature 

*Bus

@Bus with GVWR below 10,000 lbs.

#Passenger Car

In submitting this bid, the undersigned **BIDDER/VENDOR** as noted in Section III - Certification to Purchaser, certifies and agrees to the following clauses, assurances and certifications.

The **BIDDER/VENDOR** agrees to include these requirements in subcontracts financed in whole or in part by Federal Transit Administration funding. The bidder/vendor must execute all certifications below.

A. INCORPORATION of FEDERAL TRANSIT ADMINISTRATION (FTA) TERMS: The following provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in FTA Circular 4220.1E are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The **BIDDER/VENDOR** shall not perform any act, fail to perform any act, or refuse to comply with any **PURCHASER'S** requests which would cause the **PURCHASER** to be in violation of the FTA terms and conditions

B. FEDERAL CHANGES: **BIDDER/VENDOR** shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between the **PURCHASER** and FTA, as they may be amended or promulgated from time to time during the term of this contract **BIDDER/VENDOR's** failure to so comply shall constitute a material breach in this contract.

C. DBE CERTIFICATION: The **BIDDER/VENDOR** complies with 49 CFR 26.49 regarding the transit vehicle manufacturer=s overall DBE goal.

D. AIR CONDITIONING PERFORMANCE: The **BIDDER/VENDOR** will provide vehicles that meet or exceed the performance requirements of the air conditioning system(s) as detailed in the specification.

E. INTEREST of MEMBERS of or DELEGATES to CONGRESS: The **BIDDER/VENDOR** certifies that no member of or delegate to the Congress of the United States shall be admitted to any share or part of this contract or to any benefit arising there from.

F. PROHIBITED INTEREST: The **BIDDER/VENDOR** certifies that no member, officer, or employee of the Public Body or of a local public body during his or her tenure or one year thereafter shall have any interest, direct or indirect, in this contract or the proceeds thereof.

G. CARGO PREFERENCE - USE of UNITED STATES-FLAG VESSELS: The **BIDDER/VENDOR** agrees: a. to use privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels; b. to furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the FTA recipient (through the contractor in the case of a subcontractor's bill-of-lading.)

H. ENERGY CONSERVATION: The **BIDDER/VENDOR** agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

I. CLEAN WATER & AIR: The **BIDDER/VENDOR** agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. The **BIDDER/VENDOR** agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. ' ' 7401 et seq. The **BIDDER/VENDOR** agrees to report each violation to the **PURCHASER** and understands and agrees that the **PURCHASER** will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

J. NO OBLIGATION by the FEDERAL GOVERNMENT: The **PURCHASER** and **BIDDER/VENDOR** acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the **PURCHASER**, **BIDDER/VENDOR**, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

K. PROGRAM FRAUD and FALSE or FRAUDULENT STATEMENTS or REALTED ACTS: The **BIDDER/VENDOR** acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. ' ' 3801 et seq. and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to this Project. The **BIDDER/VENDOR** certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the resultant contract or the FTA assisted project for which this work is being performed. The **BIDDER/VENDOR** further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the **BIDDER/VENDOR** to the extent the Federal Government deems appropriate. The **BIDDER/VENDOR** also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. ' 5307, the Government reserves the right to impose the penalties of 18 U.S.C. ' 1001 and 49 U.S.C. ' 5307(n)(1) on the **BIDDER/VENDOR**, to the extent the Federal Government deems appropriate.

L. CONTRACT WORK HOURS:

1. **Overtime requirements:** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. **Violation; liability for unpaid wages; liquidated damages:** In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefore shall be liable for unpaid wages. Such contractor and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to

each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$ 10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

3. Withholding for unpaid wages and liquidated damages: The PURCHASER shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

4. Subcontracts: The contractor or subcontractor shall include the clauses set forth in this section and require the same from subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these clauses.

5. Payrolls and basic records: (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

M. CIVIL RIGHTS:

1. Nondiscrimination: In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. ' 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. ' 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. ' 12132, and Federal transit law at 49 U.S.C. ' 5332, the BIDDER/VENDOR agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the BIDDER/VENDOR agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

2. Equal Employment Opportunity: The following equal employment opportunity requirements apply:

Race, Color, Creed, National Origin, Sex - In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. ' 2000e, and Federal transit laws at 49 U.S.C. ' 5332, the **BIDDER/VENDOR** agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq ., (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. ' 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The **BIDDER/VENDOR** agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the **BIDDER/VENDOR** agrees to comply with any implementing requirements FTA may issue. (b) Age - In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. ' ' 623 and Federal transit law at 49 U.S.C. ' 5332, the **BIDDER/VENDOR** agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the **BIDDER/VENDOR** agrees to comply with any implementing requirements FTA may issue. (c) Disabilities - In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. ' 12112, the **BIDDER/VENDOR** agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the **BIDDER/VENDOR** agrees to comply with any implementing requirements FTA may issue.

N. ALTOONA TEST CERTIFICATION: (Check one of the following):

- ☒ The vehicle has been Altoona tested, report number: PT1-BT-R9910-13-99
☐ The vehicle is exempt from testing in accordance with 49 CFR 665
☐ The vehicle is currently being tested at Altoona

O. DEBARMENT AND SUSPENSIONS: This contract is a covered transaction for purposes of 2 CFR Part 1200, which adopts and supplements the provisions of U.S. Office of Management and Budget (U.S. OMB) "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 CFR Part 180. As such, the contractor is required to verify that none of the contractor, its principals, as defined at 2 CFR 180.995, or affiliates, as defined at 2 CFR 180.905, are excluded or disqualified as defined at 2 CFR 180.940, 180.935 and 180.945.

The **BIDDER/VENDOR** is required to comply with 2 CFR 180, Subpart C and must include the requirement to comply with 2 CFR 180, Subpart C in any lower tier covered transaction it enters into.

By signing and submitting its bid or proposal, the **BIDDER/VENDOR** or proposer certifies as follows:

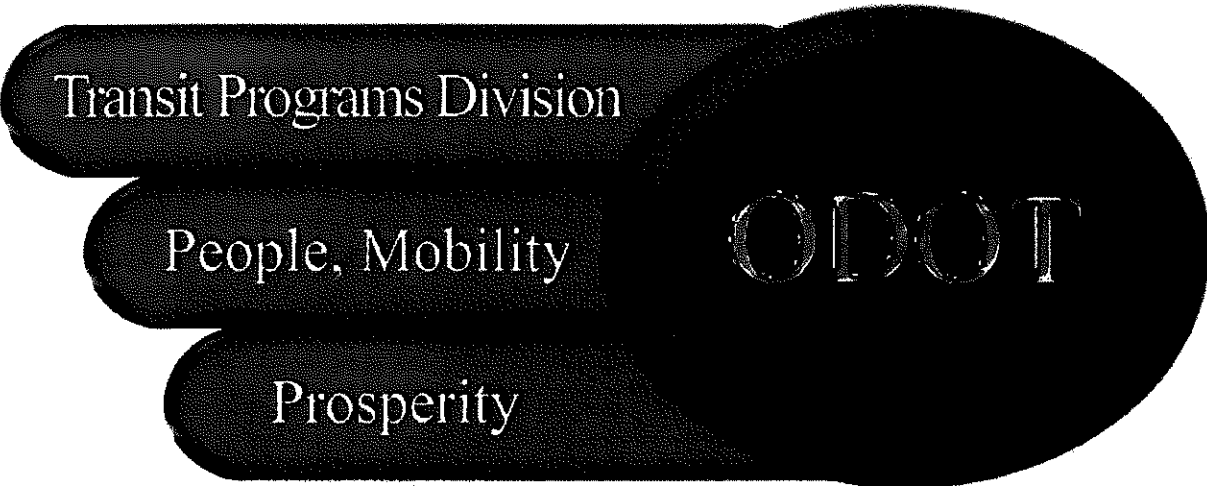
The certification in this clause is a material representation of fact relied upon by the **Procuring Agency**. If it is later determined that the **BIDDER/VENDOR** or proposer knowingly rendered an erroneous certification, in addition to remedies available to **Procuring Agency**, the Federal Government may pursue available remedies, including but not limited to suspension and/or

debarment. The bidder or proposer agrees to comply with the requirements of 2 CFR 180, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The BIDDER/VENDOR or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

The Procuring Agency agrees and assures that its third party contractors and lessees will review the "Excluded Parties Listing System" at <http://epls.gov/> before entering into any subagreement, lease or third party contract.

The Procuring Agency will be reviewing all third party contractors under the Excluded Parties Listing System at <http://epls.gov/> before entering into any contracts.

FEDERAL FUNDS WILL NOT BE RELEASED UNTIL THE PURCHASING AGENCY RECEIVES A COPY OF THE ALTOONA TEST REPORT IF REQUIRED IN ACCORDANCE WITH 49 CFR 665



Transit Programs Division

People, Mobility

Prosperity

ODOT

SECTION II

A. BUY AMERICA CERTIFICATION:

BIDDER/VENDOR to complete the *Buy America Certification* listed below. **BIDDER/VENDOR** shall certify **EITHER COMPLIANCE OR NON-COMPLIANCE** (not both).

Certification requirement for procurement of buses, other rolling stock, and associated equipment.

Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C)

The bidder/vendor or offer or hereby certifies that it will meet the requirements of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 C.F.R. Part 661.11.

Signature 

Company Name National Bus Sales & Leasing Inc

Title Sales Coordinator

Date 05.15.14

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)

The bidder/vendor or offer or hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11, but it may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Signature _____

Company Name _____

Title _____

Date _____

Instructions:

Special Note: Make sure you have signed only one of the above statements -- either Compliance OR Non-Compliance (not both).

Subscribed and sworn to before me this 15 day of May 2014.



Notary Public

345601

My Commission Number

5-14-2017

Commission Expiration Date



This form **MUST** be prepared and signed by the offeror/vendor and submitted with all bids or offers on FTA-funded contracts. Bids or offers not accompanied by this form will be **REJECTED**

B. DOMESTIC CONTENT WORKSHEET:

(Typical Components of Buses from Appendix B to 49 CFR Sec. 661.11, an itemized component listing from the manufacturer that verifies compliance with the Buy America Provisions may be submitted in lieu of this form)

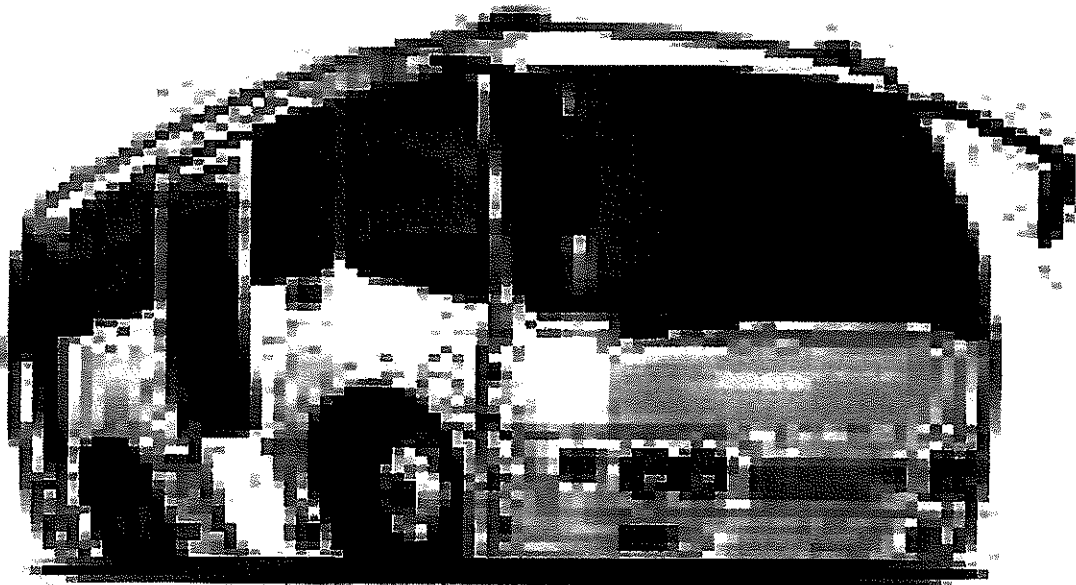
If you plan on using another components listing, you must include it with your bid and place an X in the following box. ☒

I. Components	% Domestic	X % Value	Dom. Value
engines			
transmissions			
front axle assemblies			
rear axle assemblies			
drive shaft assemblies			
front suspension assemblies			
rear suspension assemblies			
air compressor and pneumatic systems			
generator, alternator & electrical systems			
steering system assemblies			
front and rear air brake assemblies			
air conditioning compressor assemblies			
air conditioning evaporator/condenser assemblies			
heating systems.			
passenger seats			
driver's seat assemblies			
window assemblies			
entrance and exit door assemblies			
door control systems			
destination sign assemblies			
interior lighting assemblies			
front and rear end cap assemblies			
front and rear bumper assemblies			
specialty steel (structural steel tubing etc.) and aluminum extrusions			
aluminum, steel or fiberglass exterior panels and interior trim			
flooring and floor coverings			
TOTAL DOMESTIC CONTENT OF COMPONENTS (%)			

B. CONTINUED DOMESTIC CONTENT WORKSHEET:

II. Construction Activities (Describe Activities) <i>Final Assembly</i>	
Location of Construction Activities: <i>Elkhart, IN</i>	% OF DOMESTIC CONSTRUCTION ACTIVITIES:

<i>Elaval</i>	<i>Universal</i>	<i>2014</i>
Vehicle Manufacturer	Model	Model Year
<i>National Bus Sales</i>	<i>[Signature]</i>	<i>05.15.14</i>
Vendor Name	Signature	Date



C. LOBBYING:

The BIDDER/VENDOR certifies compliance with the Anti-Lobbying amendment, 31 U.S.C. ' 1352, as amended by the Lobbying Disclosure Act of 1995, Public Law 104-65 [to be codified at 2 U.S.C. ' 1601, et seq.]. The BIDDER/VENDOR also certifies that it will execute the following, "Certification Regarding Lobbying", as required by 49 CFR Part 20, AA New Restriction on Lobbying.e

EXECUTE THE FOLLOWING

CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements
(To be submitted with each bid or offer exceeding \$100,000)

The undersigned,

National Bus Sales & Leasing Inc

(Bidder/Vendor)

certifies, to the best of his or her knowledge and belief, that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal Contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal Contract, grant, loan, or cooperative agreement.

B. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal Contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/96). Note: Language in paragraph "B" herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (Public Law 104-65, to be codified at 2 U.S.C. ' 1601, et seq .)]

C. The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, and contracts under grants, loans, and cooperative agreements) and that all Subrecipient's shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. ' 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

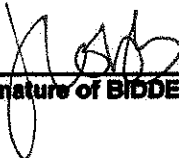
C. CONTINUED LOBBYING:

[Note: Pursuant to 31 U.S.C. ' 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.

National Bus Sales & Leasing Inc

(Bidder/Vendor)

certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the BIDDER/VENDOR understands and agrees that the provisions of 31 U.S.C. ' 3801, et seq., apply to this certification and disclosure, if any.


Signature of BIDDER/VENDOR's Authorized Official

Jennifer Cobb, Sales Coordinator

Name and Title of BIDDER's Authorized Official

05.15.14

Date



SECTION III

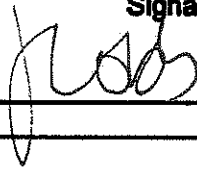
CERTIFICATION TO PURCHASER:

The undersigned **BIDDER/VENDOR** certifies that the vehicle(s) furnished will meet or exceed the specifications.

The **BIDDER/VENDOR** hereby certifies that it has attached all applicable documentation including:

1. Federal Motor Vehicle Safety Standards (FMVSS)
2. Altoona Test Certification
3. Buy America Certification Form
4. Domestic Content Worksheet
5. Lobbying Certification Form
6. Government wide Debarment & Suspension Certification Form
7. Certification to Purchaser Form
8. Drawing of proposed floor plan.
9. Printed product literature of the vehicle and all ancillary equipment

The undersigned **BIDDER/VENDOR** certifies that it has read all of the bid documents and agrees to abide by the terms, certifications, and conditions thereof.

Name of Company: National Bus Sales & Leasing Inc	Printed Name of Person Completing Form: Jennifer Cobb, Sales Coordinator
Address: (City, State, Zip) 15580 Hwy 114 Justin, TX 76247	SS# or Tax ID #: 58-1216021
Telephone: (Area Code) 800.282.7981 817.636.2365	Signature: 

Disadvantaged Business Enterprise Information (DBE)	Bidders type of organization (circle)	
Is your firm a DBE? No	Sole Proprietorship	General Proprietorship
(yes) <u>(no)</u>	<u>Corporation</u>	Limited Partnership
If yes, what type?	Other? Please List	

BIDDER/VENDOR CHECKLIST

THE FOLLOWING CHECKLIST MUST BE COMPLETED BY THE BIDDER/VENDOR BEFORE THE BID IS SUBMITTED.

This checklist will be used to ensure that all required procurement clauses and certifications listed within these special provisions have been read, initialed, and signed by the Bidder/Vendor along with any necessary signed certifications.

Section I. FOR ALL BIDS:

Bidder's initial all lines below:

- FMVSS CERTIFICATION: Circled all applicable Standards & Signed?**
- A. Incorporation of Federal Transit Administration Terms: Read?**
 - B. Federal Changes: Read?**
 - C. DBE Certification: Read?**
 - D. Air Conditioning Performance: Read?**
 - E. Interest of Members of or Delegates to Congress: Read?**
 - F. Prohibited Interest: Read?**
 - G. Cargo Preference: Read?**
 - H. Energy Conservation: Read?**
 - I. Clean Water and Air: Read?**
 - J. No Obligation By the Federal Government: Read?**
 - K. Program Fraud and False or Fraudulent Statements: Read?**
 - L. Contract Work Hours: Read?**
 - 1. Overtime requirements:
 - 2. Violation; liability for unpaid wages:
 - 3. Withholding for unpaid wages:
 - 4. Subcontracts:
 - 5. Payrolls and basic records:
 - M. Civil Rights: Read?**
 - 1. Nondiscrimination:
 - 2. Equal Employment Opportunity:
 - N. Altoona Test Certification: Completed the following?**
 - 1. Report Summary enclosed? Attached?
 - 2. Report # PTI-BI-R9910-13-99 : Completed?
 - O. Debarment and Suspensions: Read & Understood?**
 - 1. EPLS Report www.epls.gov (Must Not be Debarred)

CONTINUED BIDDER/VENDOR CHECKLIST

Section II.

- A. Buy America Certification: Completed and signed?
- B. Domestic Content Worksheet: Calculated, Completed & Signed?
- C. Lobbying Certification signed: Completed and signed?

[Handwritten initials]

Section III. CERTIFICATION TO PURCHASER Completed and signed?

I hereby attest that each item was reviewed and that my initials above indicate that the item was properly executed on this date.

National Bus Sales & Leasing Inc

Bidder/Vendor Company

05.15.14

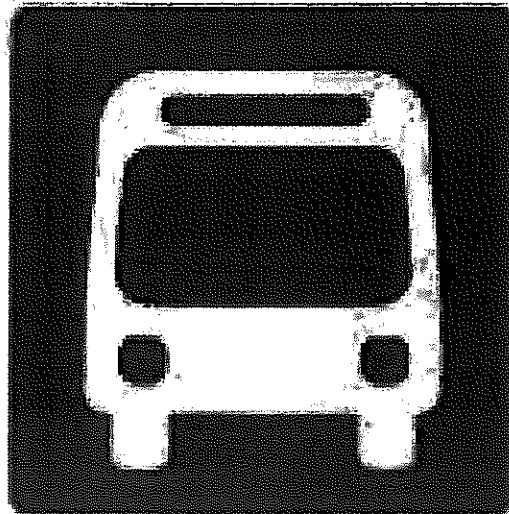
Date

Jennifer Cobb, Sales Coordinator

Bidder/Vendor Representative

05.15.14

Date



USER NAME

PASSWORD

[Forgot Username?](#)[Forgot Password?](#)[Create an Account](#)

Entity Dashboard

National Bus Sales And Leasing, Inc.

DUNS: 070318670 CAGE Code: 3P7W4

Status: Active

800 Pickens Dr Extension

Marietta, GA, 30062-3170

UNITED STATES

[Entity Overview](#)

Entity Overview

[Entity Record](#)[Core Data](#)[Assertions](#)[Reps & Certs](#)[POCs](#)[Reports](#)[Service Contract Report](#)[BioPreferred Report](#)[Exclusions](#)[Active Exclusions](#)[Inactive Exclusions](#)[RETURN TO SEARCH](#)

Entity Information

Name: National Bus Sales And Leasing, Inc.

Business Type: Business or Organization

POC Name: David Clawson

Registration Status: Active

Activation Date: 11/20/2013

Expiration Date: 11/07/2014

Exclusions

Active Exclusion Records? No

SAM | System for Award Management 1.0

IBM v1.1972.20140711-1717

WWW4

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.



USA.gov

***NOTE: PAGES 18 THRU 24
ARE TO BE COMPLETED BY THE PRE AWARD
REVIEWER AT TIME OF THE BID AWARD***

SECTION IV PRE AWARD AUDIT:

A. Purchaser's Certification - 49 CFR 663, subpart B:

The **bidder/vendor** has certified that the vehicle to be provided will be the same product as described in the advertised specification. (See attached consolidated certification form signed by the **bidder/vendor**, part III -A). The pre-award reviewer certifies that the **bidder/vendor** is responsible and will provide a vehicle that will meet or exceed the specifications.

EXECUTE THE FOLLOWING

PRE-AWARD PURCHASER'S REQUIREMENTS CERTIFICATION

As required by Title 49 of the CFR, Part 663 -- Subpart B,

Justin M. Neidel
(Pre Award Reviewer)

certifies that the buses to be purchased,

Section L - 24' 15 Passenger, rear lift Metal BUS
(Number and Description of Buses)

from

Glaval (Nationwide BUS Sales & Leasing)
(The Manufacturer/Vendor),

are the same product described in the recipient's solicitation specification and that the proposed **bidder/vendor** is a responsible **bidder/vendor** with the capability to produce a bus that meets the specifications.

8/14/2014
Date:

Justin M. Neidel
Pre-Award Reviewer Signature:

Transportation Manager
Title:

B. BUY AMERICA - 49 CFR 663, subpart B:

The total price of this purchase is less than the small purchase threshold of \$100,000 and is not subject to Buy America requirements. **OR**

The vehicles provided by the **bidder/vendor** (# of vehicles, make, and model) cannot comply with the Buy America requirements, but may qualify for an exception (see attached consolidated certification form signed by the **bidder/vendor**, part II-A). **OR**

The **bidder/vendor** has certified that the vehicles (# of vehicles, make, and model) will comply with the Buy America requirements. (See attached consolidated certification form signed by the **bidder/vendor**, part II-A). The **bidder/vendor** has also completed the attached domestic content worksheet. (Or the **bidder/vendor** has provided a certificate from the manufacturer that lists the domestic content of each component, states that the vehicle is composed of at least 60% domestic content, describes construction activities, and gives the location of construction activities.) The agency certifies that the vehicles provided will meet the Buy America requirements.

NOTE: Only one of the following Certifications should be signed, not both.

PRE-AWARD BUY AMERICA COMPLIANCE CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart B,

Justin M. Neidel
(Pre Award Reviewer)

is satisfied that the buses to be purchased,

Section 4 - 24' 15 Passenger, rear lift Metal BUS
(Number and Description of Buses)

from Global / National BUS Sales & Leasing
(The Manufacturer/Vendor)

Do in fact meet all of the requirements of Section 165(b) (3) of the Surface Transportation Assistance Act of 1982, as amended. The recipient or its appointed analyst

N/A
(The Analyst Not the Manufacturer or Its Agent)

has reviewed documentation provided by the **manufacturer**, which lists (1) the actual component and subcomponent parts of the buses identified by the **manufacturer**, country of origin, and cost; and (2) the actual location of the final assembly point for the buses, including a description of the activities that took place at the final assembly point and the cost of final assembly.

Justin M. Neidel
Pre-Award Reviewer Signature:

8/14/2014
Date:
Transportation Manager
Title:

OR

If not applicable, execute the following exemption certification
On next page

B. PRE-AWARD BUY AMERICA EXEMPTION CERTIFICATION

For the Procurement of vehicle(s) that require an FTA waiver:

As required by Title 49 of the CFR, Part 663 – Subpart B,

(Pre Award Reviewer)

certifies that there is a letter from FTA that grants a waiver to the buses to be purchased

(Number and Description of Buses)

from

(The Manufacturer/Vendor)

from the Buy America requirements under Section 165(b)(1), (b)(2), or (b)(4) of the Surface Transportation Assistance Act of 1982, as amended.

Date:

Pre-Award Reviewer Signature:

Title:

C. FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS) - 49 CFR 663, subpart D:

The **bidder/vendor** has certified that the vehicle complies with relevant **FMVSS** issued by the National Highway Traffic Safety Administration in 49 CFR Part 571 (see attached **FMVSS** certification form signed by **bidder/vendor**). The **PURCHASER** certifies that the vehicles that the vehicles will meet **FMVSS**.

EXECUTE THE FOLLOWING:

EXECUTE THE FOLLOWING (Only one of the following FMVSS Certifications should be signed, not both.

PRE-AWARD FMVSS COMPLIANCE CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart D,

Justin M. Neidel
(Pre Award Reviewer)

certifies that it received, at the post-delivery stage, a copy of

Glaval / National Bus Sales & Leasing
(The Manufacturer/Vendor)

self-certification information stating that the buses,

Section 4 - 24' 15 Passenger, rear lift Metal Bus
(Number and Description of Buses)

do comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571.

8/14/2014
Date:

Justin M. Neidel
Pre-Award Reviewer Signature:

Transportation Manager
Title:

OR

NEXT PAGE

C. PRE-AWARD FMVSS EXEMPTION CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart D,

(Pre Award Reviewer)

certifies that it received at the pre-award stage, a statement from

(The Manufacturer/Vendor)

indicated that the buses,

(Number and Description of Buses)

will not be subject to the Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571.

Date:

Pre-Award Reviewer Signature:

Title:

PRE- AWARD CHECKLIST:

THE FOLLOWING CHECKLIST IS TO BE COMPLETED BY THE BUYER AND PRE AWARD REVIEWER BEFORE BID IS AWARDED.

This checklist will be used to ensure that all required clauses and certifications are included in the vendor's returned bid packet and that all required certifications have been signed by the vendor.

Section I. FOR ALL BIDS:

Buyer's initial all lines below:

FMVSS CERTIFICATION: Signed by Bidder/Vendor?

A. **Incorporation of Federal Transit Administration Terms:** Initialed by Bidder?

B. **Federal Changes:** Initialed by Bidder?

C. **DBE Certification:** Initialed by Bidder?

D. **Air Conditioning Performance:** Initialed by Bidder?

E. **Interest of Members of or Delegates to Congress:** Initialed by Bidder?

F. **Prohibited Interest:** Initialed by Bidder?

G. **Cargo Preference:** Initialed by Bidder?

H. **Energy Conservation:** Initialed by Bidder?

I. **Clean Water and Air:** Initialed by Bidder?

J. **No Obligation By the Federal Government:** Initialed by Bidder?

K. **Program Fraud and False or Fraudulent Statements:** Initialed by Bidder?

L. **Contract Work Hours:** Initialed by Bidder?

1. Overtime requirements:
2. Violation; liability for unpaid wages:
3. Withholding for unpaid wages:
4. Subcontracts:
5. Payrolls and basic records:

M. **Civil Rights:** Initialed by Bidder?

1. Nondiscrimination:
2. Equal Employment Opportunity:

N. **Altoona Test Certification completed:** Initialed by Bidder?

1. Report Summary enclosed? Attached to bid?
2. Altoona Test Report # listed by Bidder?

O. **Debarment and Suspensions:** Initialed by Bidder?

1. **EPLS Report** from www.epls.gov: Attached to bid by Procuring Agency?

CONTINUED PRE- AWARD CHECKLIST:

Section II.

- A. Buy America Certification signed: Signed by Bidder/Vendor?
- B. Domestic Content Worksheet signed: Signed by Bidder/Vendor?
- C. Lobbying Certification signed: Signed by Bidder/Vendor?

[Handwritten initials]
[Handwritten initials]
[Handwritten initials]

Section III. CERTIFICATION TO PURCHASER:

- A. Completed and signed?

[Handwritten initials]

The previous checklist was to determine if the Bidder/Vendor read and completed all required necessary documentation. The following checklist is to determine if all of the pre-award documents and required Certifications are signed and completed.

Section IV. PRE AWARD AUDIT (signed by Pre-Award Reviewer)

- A. Purchaser's Certification - 49 CFR 663, subpart B: Executed by Reviewer?
Pre-Award Purchaser's Requirements Certification:
- B. Buy America - 49 CFR 663, subpart B: Executed by Reviewer?
Pre-Award Buy America Compliance Certification, or
Pre-Award Buy America Exemption Certification:
- C. FMVSS - 49 CFR 663, subpart D: Executed by Reviewer?
Pre-Award FMVSS Compliance Certification, or
Pre-Award FMVSS Exemption Certification:

[Handwritten initials]
[Handwritten initials]
[Handwritten initials]

I hereby attest that each item was reviewed and that my initials above indicate that the item was properly executed on this date.

[Handwritten signature: Justin M. Neidel]

(Pre Award Reviewer)

[Handwritten date: 8/14/2014]

Date

[Handwritten signature]

Additional Oversight

[Handwritten date: 8/14/14]

Date

**NOTE: PAGES 26 THRU 32
ARE TO BE COMPLETED BY THE PURCHASER
AT TIME OF VEHICLE DELIVERY**

SECTION V POST DELIVERY AUDIT:

A. Purchaser's Certification - 49 CFR 663, subpart C:

After visually inspecting and road testing the contract buses, the agency certifies that the (# of vehicles, make, and model) meet the contract specifications.

- o or, Grantees in areas with populations of 200,000 or less that purchase more than 20 buses.

The agency's resident inspector monitored manufacturing and completed a report providing accurate records of all construction activities. The report addresses how the construction and operation of the vehicles fulfill the contract specifications. After reviewing the report, visually inspecting and road testing the contract buses, the agency certifies that the (# of vehicles, make, and model) meet the contract specifications.

EXECUTE THE FOLLOWING:

NOTE: Only one of the following Certifications should be signed, not both.

POST-DELIVERY PURCHASER'S REQUIREMENTS CERTIFICATION

As required by Title 49 of the CFR, Part 663 – Subpart C, after visually inspecting and road testing the contract buses,

(The Purchaser)

certifies that the buses,

(Number and the Description of Buses)

from

(The Manufacturer/Vendor),

meet the contract specifications.

Date:

Signature:

Title:

OR

NEXT PAGE

A. POST-DELIVERY PURCHASER'S REQUIREMENTS CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart C,

(The Purchaser)

certifies that a resident inspector,

(Not an Agent or Employee of the Manufacturer),

was at manufacturing site during the period of manufacture of

(Number and Description of Buses)

The inspector monitored manufacturing and completed a report on the manufacture of the buses providing accurate records of all bus construction activities. The report addresses how the construction and operation of the buses fulfill the contract specifications. After reviewing the report, visually inspecting the buses, and road testing the buses, the recipient certifies that the buses meet the contract specifications.

Date:

Signature:

Title:

B. BUY AMERICA - 49 CFR 663, subpart C:

The total price of this purchase is less than the small purchase threshold of \$100,000 and is not subject to Buy America requirements. **OR**

The agency certifies that there is a letter from FTA, which grants a waiver to the vehicles provided by the vendor (# of vehicles, make, and model) from the Buy America requirements, under Section 165 (b)(1), (b)(2), or (b)(4) of the Surface Transportation Assistance Act of 1982, as amended. **OR**

The agency certifies that it is satisfied that the (# of vehicles, make, and model) meet the requirements of Section 165 (b)(3) . The agency has reviewed documentation provided by the **manufacturer** that lists the domestic content of each component, states that the vehicle is composed of at least 60% domestic content, describes construction activities, and gives the location of final construction activities.

NOTE: Only one of the following Certifications should be signed, not both.

POST-DELIVERY BUY AMERICA COMPLIANCE CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart C,

(The Purchaser)

certifies that the buses received are in fact what they ordered and are satisfied with the,

(Number and Description of Buses)

from

(The Manufacturer/Vendor)

meet the requirements of section 165(b)(3) of the Surface Transportation Assistance Act of 1982, as amended. The recipient or its appointed analyst

(The Analyst Not the Manufacturer or Its Agent)

has reviewed documentation provided by the **manufacturer**, which lists (1) the actual component and subcomponent parts of the buses identified by the **manufacturer**, country of origin, and cost; and (2) the actual location of the final assembly point for the buses, including a description of the activities that took place at the final assembly point and the cost of final assembly.

Date:

Signature:

Title:

OR

**If not applicable, execute the following exemption certification
On next page**

B. POST-DELIVERY BUY AMERICA EXEMPTION CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart C,

(The Purchaser)

certifies that there is a letter from FTA, which grants a waiver to the buses received,

(Manufacturer, Number and Description of Buses)

from the Buy America requirements under Section 165(b)(1), (b)(2), or (b)(4) of the Surface Transportation Assistance Act of 1982, as amended.

Date:

Signature:

Title:

Vehicle Vin Numbers:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

C. FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS) - 49 CFR 663, subpart D:

The vendor has certified that the vehicle complies with relevant FMVSS issued by the National Highway Traffic Safety Administration in 49 CFR Part 571 (see attached FMVSS certification form provided by the **bidder** upon vehicle delivery). The agency certifies that the vehicles provided meet FMVSS.

EXECUTE THE FOLLOWING:

NOTE: Only one of the following Certifications should be signed, not both.

POST-DELIVERY FMVSS COMPLIANCE CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart D,

(The Purchaser)

certifies that it received, at the post-delivery stage, a copy of

(The Manufacturer/Vendor)

self-certification information stating that the buses,

(Number and Description of Buses)

comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571.

Date:

Signature:

Title:

OR

NEXT PAGE

C. POST-DELIVERY FMVSS EXEMPTION CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart D,

(The Purchaser)

certifies that it received, at the Post-delivery stage, a statement from

(The Manufacturer/Vendor)

indicating that the buses,

(Number and Description of Buses)

are not subject to the Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571.

Date

Signature

Title

POST DELIVERY AUDIT

THE FOLLOWING CHECKLIST IS TO BE COMPLETED BY THE BUYER AND GOVERNMENT REVIEWER BEFORE THE VEHICLE(S) ARE ACCEPTED.

Section V VEHICLE DELIVERY CHECKLIST: (to be signed by buyer upon acceptance of vehicle)

Buyer initials all lines below:

A. Purchaser's Certification - 49 CFR 663, subpart C:

Post-Delivery Purchaser's Requirements Certification or
Post-Delivery Purchaser's Requirements Certification (Inspector): _____

B. Buy America - 49 CFR 663, subpart C:

Post-Delivery Buy America Compliance Certification or
Post-Delivery Buy America Exemption Certification: _____

B. FMVSS - 49 CFR 663, subpart D:

Post-Delivery FMVSS Compliance Certification or
Post-Delivery FMVSS Exemption Certification: _____

Section VI CERTIFICATION OF DELIVERY:

By executing this document,

- A. You hereby request that a Lien Entry Form – Motor Vehicle be issued naming the Government Agency utilizing federal funds as Secured Party and that said form(s) will be delivered by the purchaser to a local tag agent for executing and
- B. Assure the vehicle be used in accordance with the federal regulations and current provisions, as applicable.

I hereby attest that each item was reviewed and that my initials above indicate that the item was properly executed.

Purchaser

Date

Government Reviewer

Date



TO WHOM IT MAY CONCERN
RE: FMVSS & ADA REQUIREMENTS FOR GLAVAL BUS
DATE: January 2, 2013

This is to certify that all bus models manufactured by Glaval Bus are in full compliance with all current applicable FMVSS and ADA requirements. Including:

A.	FMVSS No. 101:	Controls and Displays
B.	FMVSS No. 102:	Transmission Shift Lever Sequence, Starter Interlock, and Transmission Braking Effect
C.	FMVSS No. 103:	Windshield Defrosting and Defogging Systems
D.	FMVSS No. 104:	Windshield Wiping and Washing Systems
E.	FMVSS No. 105:	Hydraulic and Electric Brake Systems
F.	FMVSS No. 106:	Brake Hoses
G.	FMVSS No. 108:	Lamps, Reflective Devices, and Associated Equipment
H.	FMVSS No. 111:	Rearview Mirrors
I.	FMVSS No. 113:	Hood Latch System
J.	FMVSS No. 116:	Motor Vehicle Brake Fluids
K.	FMVSS No. 117:	Re-treaded Pneumatic Tires
L.	FMVSS No. 119:	New Pneumatic Tires
M.	FMVSS No. 120:	Tire Selection and Rims for Motor Vehicles Other Than Passenger Cars
N.	FMVSS No. 124:	Accelerator Control Systems
O.	FMVSS No. 125:	Warning Devices
P.	FMVSS No. 205:	Glazing Materials
Q.	FMVSS No. 207:	Seating Systems
R.	FMVSS No. 208:	Occupant Crash Protection
S.	FMVSS No. 209:	Seat Belt Assemblies
T.	FMVSS No. 210:	Seat Belt Assembly Anchorages
U.	FMVSS No. 217:	Bus Emergency Exits and Window Retention and Release
V.	FMVSS No. 220:	School Bus Rollover Protection
W.	FMVSS No. 221:	Joint Strength (available with FRP composite exterior skin)
X.	FMVSS No. 302:	Flammability of Interior Materials
Y.	FMVSS No. 403:	Platform Lift Systems for Motor Vehicles
Z.	FMVSS No. 404:	Platform Lift Installations on Motor Vehicles

John Skelton

Director of Engineering



U.S. Department
of Transportation
**Federal Transit
Administration**

Headquarters

East Building, 5th Floor – TCR
1200 New Jersey Avenue, SE
Washington, DC 20590

November 1, 2013

Glaval Bus
914 County Road 1
Elkhart, IN 46514

Attn: Phil Hayes, President
Joe Geoglien, DBELO

Re: TVM DBE Goal Concurrence – Fiscal Year 2014

Dear Mr. Hayes:

This letter is to inform you that the Federal Transit Administration's (FTA) Office of Civil Rights has received the Glaval Bus's Disadvantaged Business Enterprise (DBE) goal and methodology for FY 2014 for the period of October 1, 2013–September 30, 2014. This goal submission is required by the U.S. Department of Transportation's DBE regulations at 49 CFR Part 26 and must be implemented in good faith.

We have reviewed your FY 2014 DBE goal and determined that it is compliant with DOT's DBE regulations. You are now eligible to bid on FTA funded transit contracts. This letter or a copy of the TVM listing on FTA's website is documentation that may be used to demonstrate your compliance with DBE requirements when bidding on future contracts.

FTA reserves the right to remove/suspend this concurrence if your DBE program or FY 2014 DBE goal is not implemented in good faith. In accordance with this good faith requirement, you must submit your DBE Uniform Report in the DOORS system by December 1, 2013. This report should reflect all FTA funded contracting activity for the second period of FY 2013 (i.e., from April 1 to September 30).

Please also be mindful that your FY 2015 DBE goal methodology must be submitted to FTA by August 1, 2014. Therefore, you should publish your goal on or before June 17, 2014. Thank you for your cooperation. If you have any questions regarding this approval, please contact Britney Berry at (202) 366-1065 or via e-mail britney.berry@dot.gov.

Sincerely,

Dawn Sweet
Acting Title VI/DBE Team Leader
Office of Civil Rights

STURAA TEST

5 YEAR

150,000 MILE BUS

from

GLAVAL CORPORATION

MODEL UNIVERSAL

AUGUST 1999

PTI-BT-R9910-13-99

PENNSTATE



The Pennsylvania Transportation Institute

201 Research Office Building (814) 865-1891
The Pennsylvania State University
University Park, PA 16802

Bus Testing and Research Center

6th Avenue and 45th Street (814) 949-7944
Altoona, PA 16602

TABLE OF CONTENTS

	<u>Page</u>
EXECUTIVE SUMMARY	3
ABBREVIATIONS	5
BUS CHECK-IN	6
 1. MAINTAINABILITY	
1.1 ACCESSIBILITY OF COMPONENTS AND SUBSYSTEMS	16
1.2 SERVICING, PREVENTATIVE MAINTENANCE, AND REPAIR AND MAINTENANCE DURING TESTING	19
1.3 REPLACEMENT AND/OR REPAIR OF SELECTED SUBSYSTEMS	23
 2. RELIABILITY - DOCUMENTATION OF BREAKDOWN AND REPAIR TIMES DURING TESTING	
	25
 3. SAFETY - A DOUBLE-LANE CHANGE (OBSTACLE AVOIDANCE TEST)	
	28
 4. PERFORMANCE - AN ACCELERATION, GRADEABILITY, AND TOP SPEED TEST	
	31
 5. STRUCTURAL INTEGRITY	
5.1 STRUCTURAL STRENGTH AND DISTORTION TESTS - STRUCTURAL SHAKEDOWN TEST	35
5.2 STRUCTURAL STRENGTH AND DISTORTION TESTS - STRUCTURAL DISTORTION	39
5.3 STRUCTURAL STRENGTH AND DISTORTION TESTS - STATIC TOWING TEST	51
5.4 STRUCTURAL STRENGTH AND DISTORTION TESTS - DYNAMIC TOWING TEST	52
5.5 STRUCTURAL STRENGTH AND DISTORTION TESTS - JACKING TEST	55
5.6 STRUCTURAL STRENGTH AND DISTORTION TESTS - HOISTING TEST	57
5.7 STRUCTURAL DURABILITY TEST	60
 6. FUEL ECONOMY TEST - A FUEL CONSUMPTION TEST USING AN APPROPRIATE OPERATING CYCLE	
	70
 7. NOISE	
7.1 INTERIOR NOISE AND VIBRATION TESTS	85
7.2 EXTERIOR NOISE TESTS	91

EXECUTIVE SUMMARY

Glaval Bus submitted a model Universal, diesel powered 26 seat/25-foot bus, for a 5 year/150,000 mile STURAA test. The odometer reading at the time of delivery was 493.0 miles. Testing started on May 11, 1999, and was completed on July 19, 1999. The Check-In section of the report provides a description of the bus and specifies its major components.

The primary part of the test program is the Structural Durability Test, which also provides the information for the Maintainability and Reliability results. The Structural Durability Test started on May 20, 1999 and was completed on July 9, 1999.

The interior of the bus is configured with seating for 26 passengers including the driver. Additionally, free floor space will accommodate 10 standing passengers resulting in a potential load of 36 persons. At 150 lbs per person, this load results in a total vehicle weight of 15,340 lbs and exceeds the GAWR of the rear axle (9,450 lbs). In order to avoid exceeding the axle weight ratings, ballast simulating all 10 standing passengers (1,500 lbs) and 1 rear seated passenger (150 lbs) was removed. Elimination of this ballast resulted in an adjusted gross vehicle weight of 13,730 lbs. The adjusted weight was used for both the GVW and middle SLW segments of the Structural Durability Test. The final segment of the test was performed at a CW of 10,110 lbs. Durability driving resulted in several failures that required unscheduled maintenance. A description of failures, and a complete and detailed listing of scheduled and unscheduled maintenance, is provided in the Maintainability section of this report.

The components covered in Section 1.3 (Repair and/or Replacement of Selected Subsystems) along with all other components encountered during testing were found to be readily accessible and no restrictions were noted.

The Reliability Section compiles failures that occurred during structural durability testing. Breakdowns are classified according to subsystems. The data in this section are arranged so that those subsystems with more frequent problems are apparent. Also the problems are listed by class as defined in Section 2. The test bus encountered no Class 1 or Class 2 failures. Of the eight reported failures, seven were Class 3 and one was Class 4.

The Safety Test, a double-lane change maneuver was safely performed in both right-hand and left-hand directions up to a maximum test speed of 45 mph. The performance of the bus is illustrated by a speed vs. time plot. Acceleration and gradeability test data are provided in Section 4, Performance. The average time to obtain 50 mph was 18.55 seconds.

The Shakedown Test produced a maximum final loaded deflection of 0.069 inches under a distributed static load of 13,500 lbs. The test resulted in essentially no permanent deflection of the structure. The Distortion Test was completed with all subsystems, doors and escape mechanism operating properly. No water leakage was observed during the test. Due to the lack of tow eyes or tow hooks the Static Towing Test was not performed. The Dynamic Towing Test was performed by means of a front lift tow. The towing interface was accomplished by chaining to the front axle. The bus was towed without incident and no damage resulted from the test. The manufacturer does not recommend towing the bus from the rear, therefore a rear test was not performed. The Jacking and Hoisting Tests were performed without incident. The bus was found to be stable on the jack stands and the minimum jacking clearance, measured with a tire deflated, was 8.5 inches.

A Fuel Economy Test was run on simulated central business district, arterial, and commuter courses. The results were 6.64 mpg, 7.03 mpg, and 11.76 mpg respectively; with an overall average of 7.72 mpg.

A series of Interior and Exterior Noise Tests was performed. This data is listed in Section 7.1 and 7.2 respectively.

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
6.8L CYL/HEAD 2V ROUGH CASTING	MEXICO	1.67%
REAR LEAF SPRING - E450 C/A DRW	MEXICO	1.59%
PMP ASY WITH NOTCH & THERMAL VALVE	CANADA	1.14%
PROCS ASY ENG (XWS6)	MEXICO	1.00%
ROD & LNK ASY-STNG LKGE	CANADA	0.62%
PMP & PLY ASY PWR STNG	GERMANY	0.49%
CLPR ASY FRT WHL BRK	MEXICO	0.34%
CLPR ASY FRT WHL BRK LH	MEXICO	0.34%
BALANCE SHAFT 6.8L 2V	CANADA	0.32%
ACUM & HOS ASY A/C	CANADA	0.25%
CONTR ASY OCC RESTNT SYS	CANADA	0.23%
4X4 EXTENSION ASY-FIXED YOKE	CHINA	0.23%
WATER PUMP - ALL 6.8L	CANADA	0.19%
SHK ABS ASY STNG	BRAZIL	0.17%
SPCR THROT BDY TO INTK MANF	CANADA	0.16%
COOL ASY TRANS OIL	CANADA	0.14%
SHAFT ASY - 4X4 OUTPUT	CANADA	0.14%
CARRIER-GAS 6GR FORWARD	CANADA	0.11%
BEL & RETR ASY FRT ST LH	MEXICO	0.11%
INS ASY-ENG FRT SUPT-LH	CANADA	0.11%
FILTER AND SEAL ASY- OIL	MEXICO	0.10%
FLNG DRV/SHT	CANADA	0.10%
BRK & CL PDL & BRKT ASY	CANADA	0.09%
HOS ASY HTR	MEXICO	0.08%
TENSIONER ASSEMBLY-ENG DRIV	CANADA	0.08%
W/S ASY FRT DR	CANADA	0.08%
HOS ASY HTR	MEXICO	0.08%
W/S ASY DR OPG LH	CANADA	0.07%
FLYWHEEL ASY 4R75W/5R110W B137	CANADA	0.07%
CAP ASY-RR BRG CAMSHAFT 6049	CHINA	0.06%
LAT & R/CONTR ASY DR	CANADA	0.05%
STEEL PLATE-INTERMEDIATE CLT	CANADA	0.05%
LOCK SET-IGN & 1 DR (2 KEYS)	MEXICO	0.05%
SNS ASY TRANS TRB SHFT SPD	MEXICO	0.05%
RESVR TUB & BRKT ASY PWR STNG	MEXICO	0.05%
DEFL A/C COND AIR LWR	CANADA	0.04%
SNS & BRKT ASY AIR BAG CTR	CANADA	0.04%
STEEL PLATE- REVERSE CLUTCH	CANADA	0.04%
BEL DRV(AC)	MEXICO	0.04%
BMPR ASY FRT AX	CHINA	0.04%
SHFT-TRANS PLNT GR SHRT	CANADA	0.04%
HGE & CHK ASY FRT DR LWR	CANADA	0.04%
STEEL PLATE-OVERDRIVE CLT	CANADA	0.04%
BMPR ASY RR AX (E350/450)	CHINA	0.03%
LAT ASY HOD	CANADA	0.03%
SNS ASY TRANS OPUT SHFT SPD	MEXICO	0.03%
REINF ASY BRK PDL SUPT	CANADA	0.03%
ADJ ASY FRT ST SHLDR STRP GID	MEXICO	0.03%
SHAFT-OVERDRIVE PLANET	CANADA	0.03%
ASSIST HANDLE L/H MEDIUM FLINT	INDIA	0.03%
CAP ASSY-CAM & BAL SHFT BRG RR	CHINA	0.03%
SHL-FU/VPR STRG CNSTR	CANADA	0.03%
HGE ASY FRT DR UPPER	CANADA	0.03%
REAR SEAL RETAINER	MEXICO	0.03%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
ROD ASY TRANS PRK PWL ACTU	CANADA	0.02%
IDLER ASSY V8/V10 D109	CANADA	0.02%
WATER PUMP PULLEY-ALL EXCPT-696-	CANADA	0.02%
SPKR ASY RADO RECV	CHINA	0.02%
SENSOR ASY-CYL HEAD TEMP 2V	CHINA	0.02%
CA & HNDL ASY HOD LAT	MEXICO	0.02%
SE CWL TOP PNL TO HOD	CANADA	0.02%
HOSE ASY-REAR WINDOW WASHER(FRONT)	MEXICO	0.02%
PLATE-ENGINE REAR COVER	CANADA	0.01%
CAP ASY-CCAM/BAL SHFT BR FRT-LH	CHINA	0.01%
RET ASY-FRT WHL HB GRSE	MEXICO	0.01%
CONN-WATER OUTLET ALL D027E	CHINA	0.01%
SW ASY SPD CONTR & STP LP	GERMANY	0.01%
PROP ASY HOD SUPT	CANADA	0.01%
CAP ASY-FRT BRG CAMSHAFT 6049	CHINA	0.01%
DEFL ASY RAD AIR SD RH	CANADA	0.01%
DEFL ASY RAD AIR SD LH	CANADA	0.01%
BUSHING-CASE INSTALLED IN ASSY	MEXICO	0.01%
CAP-FRT HUB GREASE	CANADA	0.01%
STUD PIERCE M8X13 CNE 8	GERMANY	0.01%
CAP ASSY-BAL SHFT BRG FRT-LH	CHINA	0.01%
STEEL PLATE-COAST CLT-5R110S	CANADA	0.01%
NUT-STNG TIE ROD	CANADA	0.01%
ADHSV TOX#178271 (RED)	CANADA	0.01%
CVR-FU/VPR STRG CNSTR	CANADA	0.01%
EXT ASY-P/BRK CA	MEXICO	0.01%
NUT-M8 X 1.25 HEX FLG LK P/T	CANADA	0.00%
NUT M18X2.5 HEX FLNG P/T	CANADA	0.00%
BOLT M8X115 HF PIL 8	TAIWAN	0.00%
SLR-RTV HI-VIS 55 GAL DR B097	CANADA	0.00%
SLR-RTV HI-VIS 5 GAL-50# PAILS	CANADA	0.00%
NUT-M8 X 1.25 HEX FLG LK P/T	CANADA	0.00%
NUT #8-18 SPRING	CANADA	0.00%
PIN-DOWEL 6049 TO 6010 C054	CANADA	0.00%
NUT M8 HF PTM 8	CANADA	0.00%
SEAL - MANUAL CONTROL LEVER	MEXICO	0.00%
PLUG EXP CUP 11.4 STL	CANADA	0.00%
NUT 3/4 - 16 HEX	CANADA	0.00%
BOLT M8X1.25X31 HEX FLNG PI	TAIWAN	0.00%
NUT-M14X2.0 HEX LOCK P/T 10	CANADA	0.00%
CAP HNDL I/S ASST ATT HLE	INDIA	0.00%
NUT M10 HF PTM 10	CANADA	0.00%
NUT M8 HF PTP 10	CANADA	0.00%
NUT 3/8-16 HEX FLNG LOCK P/T	CANADA	0.00%
NUT-M8X1.25 V8/V10 D115 E580	CANADA	0.00%
NUT M10 HF PTM 10	CANADA	0.00%
NUT M6 HF PTM 8	CANADA	0.00%
NUT M10 HF PTM 10	CANADA	0.00%
NUT 3/8-16 HEX FLNG LOCK P/T	CANADA	0.00%
PIN-SHAFT RETAINING	CANADA	0.00%
NUT&WSHR M6 HX CON 8	CANADA	0.00%
PLUG EXP CUP 13.8 STL	CANADA	0.00%
COMMON MAN LEVER SHAFT RETAIN PIN	CANADA	0.00%
BOLT M6X20 HF PIL 8	TAIWAN	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
NUT-M4.2 X 1.41 U P/T (J-CLIP)	CANADA	0.00%
OIL-SAE50 ENG ASY AST TOX#176470	CANADA	0.00%
SLR RTV HI-VISC 30ML CARTRIDGE	CANADA	0.00%
6.8L CRANK/STL ROUGH EX GERLCH	GERMANY	0.00%
Foreign Vehicle Content		11.42%
AX ASY RR LES WHL	UNITED STATES	8.54%
LT225/75R16 MICHELIN LTX MS LRE BW	UNITED STATES	7.72%
SOLENOID- 5R110	UNITED STATES	3.36%
FR ASY A/P	UNITED STATES	2.94%
TNK & SDR ASY FUL	UNITED STATES	2.31%
RIM ASY-WHL (WHITE) 16X6 DRW	UNITED STATES	1.97%
6.8L BLOCK-CASTING 2V/3V CIFUNSA	UNITED STATES	1.93%
CONV ASY EXH(JJJ)	UNITED STATES	1.57%
GR ASY PWR STNG	UNITED STATES	1.41%
DRV/SHT & CPL ASY	UNITED STATES	1.34%
WIR ASY ENG CONTR SNS	UNITED STATES	1.34%
PNL ASY I/PNL (FLINT)	UNITED STATES	1.23%
INTAKE - 6.8L 2-VALVE	UNITED STATES	1.21%
ST ASY FRT TR LH	UNITED STATES	1.16%
ALTERNATOR-225A (GAS)	UNITED STATES	1.12%
FRONT BUMPER - CHROME	UNITED STATES	0.94%
RECV ASY DIGT AUD DSC PLYR W AMPL	UNITED STATES	0.94%
HUB & BRK DRM ASY FRT WHL	UNITED STATES	0.90%
COL ASY STNG	UNITED STATES	0.90%
BATTERY ASSY-78AH (750 COLD CRANK)	UNITED STATES	0.84%
BST ASY BRK HYD	UNITED STATES	0.77%
CONTR & MOD ASY BRK ANTI/LK	UNITED STATES	0.76%
CASE CASTING- REGULAR	UNITED STATES	0.70%
COMPR & CL ASY A/C	UNITED STATES	0.70%
MFLR & OLET PIP ASY	UNITED STATES	0.66%
PAN ASY FRT FLR	UNITED STATES	0.56%
GRL ASY RAD (CHROME)	UNITED STATES	0.56%
6.8L BILLET STEEL	UNITED STATES	0.52%
CLUS ASY INSTR	UNITED STATES	0.52%
WIR ASY MN	UNITED STATES	0.50%
CLUTCH ASY-4 PLT FORWARD	UNITED STATES	0.49%
EVP & BLW ASY A/C	UNITED STATES	0.47%
PNL ASY ENG CVR	UNITED STATES	0.46%
PIP ASY MFLR INLT FRT	UNITED STATES	0.46%
5.4L/6.8L 2-VALVE PISTON "E"	UNITED STATES	0.43%
AX ASY FRT RH	UNITED STATES	0.43%
IND ASY RADO RECV CONTR	UNITED STATES	0.43%
STR MTR DRV & RLY ASY(BSM V8/V10)	UNITED STATES	0.42%
AX ASY FRT LH	UNITED STATES	0.42%
WIR ASY RR LP	UNITED STATES	0.41%
KIT SPDL FRT WHL	UNITED STATES	0.38%
KIT SPDL FRT WHL LH	UNITED STATES	0.38%
SUPT ASY RAD	UNITED STATES	0.37%
FUEL INJECTOR - 6.8L 2V VN127	UNITED STATES	0.36%
CYL ASY BRK MSTR LES P/RD	UNITED STATES	0.36%
CL ASY TRANS LOW ONE/WY	UNITED STATES	0.36%
BDY & MTR ASY A/INTK CHG THROT	UNITED STATES	0.35%
PNT BDY EXT FIN	UNITED STATES	0.32%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
COND ASY A/C	UNITED STATES	0.31%
MOD ASY DRV AIR BAG RESTNT	UNITED STATES	0.31%
FUEL RAIL - 6.8L 2V VN127	UNITED STATES	0.31%
GL ASY W/SHLD	UNITED STATES	0.30%
HD/LP ASY RH (AERO)	UNITED STATES	0.30%
HD/LP ASY LH (AERO)	UNITED STATES	0.30%
WIR ASY-FU/TNK SDR	UNITED STATES	0.29%
A-OIL WITH ADDITIVE	UNITED STATES	0.28%
WIRE HARNESS-6.8L 2V VN127 2013	UNITED STATES	0.28%
CONTR ASY A/C	UNITED STATES	0.28%
CA ASY-STR MTR RLY & BAT GRD	UNITED STATES	0.28%
CENTER SUPPORT- ASY	UNITED STATES	0.28%
MAT ASY FRT FLR	UNITED STATES	0.27%
FRONT COIL SPRING	UNITED STATES	0.27%
PNL ASY DASH	UNITED STATES	0.27%
EXHAUST MANIFOLD (LH) 6.8L 2V	UNITED STATES	0.27%
EXHAUST MANIFOLD-RH 2V V10	UNITED STATES	0.26%
5.4/6.8L CONN/ROD ROUGH	UNITED STATES	0.26%
CA ASY-STR MTR RLY & BAT GRD	UNITED STATES	0.25%
CL ASY FAN	UNITED STATES	0.25%
6.8 RH CAMSHAFT 2V ROUGH	UNITED STATES	0.25%
6.8 LH CAMSHAFT 2V ROUGH	UNITED STATES	0.25%
CAM COVER LH 6.8L 2V	UNITED STATES	0.24%
CAM COVER (RH) 6.8L 2V ECONOLINE	UNITED STATES	0.24%
TURBINE ASY-6.8L/6.0L/4.5L 5R110	UNITED STATES	0.23%
FRONT COVER - ALL 2V'S	UNITED STATES	0.22%
PNL ASY I/PNL CLUS OPG FIN	UNITED STATES	0.22%
PISTON & DAMPER ASY-6.8L/4.5L	UNITED STATES	0.22%
ADPT OIL FLTR 6.8L (CHINA)	UNITED STATES	0.21%
MTR & LNK ASY W/WPR	UNITED STATES	0.21%
WHL ASY STNG	UNITED STATES	0.21%
UNLEADED GAS W/ 10% ETHANOL	UNITED STATES	0.21%
PNL ASY FRT DR TR LH	UNITED STATES	0.21%
PNL FRAME DR OPG LH BLANK	UNITED STATES	0.21%
TUB ASY FUL & BRK	UNITED STATES	0.20%
SHK ABS ASY RR	UNITED STATES	0.20%
HOS & CLMP ASY RAD LWR	UNITED STATES	0.20%
REINF-RAD GRL OPG PNL LWR	UNITED STATES	0.20%
HTR ASY	UNITED STATES	0.20%
FRAME-DOOR OPENING PANEL RH	UNITED STATES	0.20%
SHK ABS ASY	UNITED STATES	0.20%
DAMPER ASSY-CRANK 6.8L	UNITED STATES	0.19%
KIT - RADIO ASSORTMENT	UNITED STATES	0.18%
INS ASY BDY BLT SND UPR	UNITED STATES	0.18%
WHEEL NUT - BLACK	UNITED STATES	0.18%
ADJ ASY-VALVE LASH 6F093/6M099	UNITED STATES	0.17%
SHFT ASY STNG COL LWR	UNITED STATES	0.17%
ROCKER ARM ASY 6F093/6M099	UNITED STATES	0.17%
SNS ASY EXH GAS O UNIV	UNITED STATES	0.17%
SNS ASY EXH GAS O UNIV	UNITED STATES	0.17%
KIT FUL SYS CONV	UNITED STATES	0.16%
BRA BAT SUPT	UNITED STATES	0.16%
WIR ASY TRANS CONTR SEL NEUT SW	UNITED STATES	0.16%
GAS DIODE CLUTCH ASY-OVERDRIVE	UNITED STATES	0.16%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
TUB ASY PWR STNG RTN LN	UNITED STATES	0.16%
BRKT ASY FUL TUB SUPT	UNITED STATES	0.16%
COOLANT-LONG LIFE CONCENTRATE	UNITED STATES	0.16%
BAR ASY-RR STAB	UNITED STATES	0.15%
CMPT & DR ASY GLV (FLINT)	UNITED STATES	0.15%
SHFT ASY-STNG GR INTERM	UNITED STATES	0.14%
HUB & BUSHING ASY- DIRECT CLUTCH	UNITED STATES	0.14%
TUB ASY A/C COMPR TO COND	UNITED STATES	0.14%
DETENT ASY-TRANS RANGE SENSOR	UNITED STATES	0.14%
INS ASY-ENG FRT SUPT (6.8L)	UNITED STATES	0.13%
PAN ASSEMBLY - OIL 6.8L 2V/3V	UNITED STATES	0.13%
HOS ASY PWR STNG PRESS LN	UNITED STATES	0.13%
FAN ASY ENG COOL (6.8L)	UNITED STATES	0.13%
RADIUS ARM ASY FRT	UNITED STATES	0.13%
RADIUS ARM ASY FRT LH	UNITED STATES	0.13%
PNL DR OTR BLANK	UNITED STATES	0.13%
RSON & TUB ASY-ENG AIR INTK	UNITED STATES	0.12%
MAIN BEARING CAP - ROUGH	UNITED STATES	0.12%
TIMING CHAIN- V8 / V10	UNITED STATES	0.12%
OIL COOLER ASSY-ALL 6.8L	UNITED STATES	0.12%
TUB ASY TRANS OIL COOL INLT & OLET	UNITED STATES	0.12%
CONTR ASY P/BRK	UNITED STATES	0.12%
SW ASY-TRN/SIG & W/WPR	UNITED STATES	0.12%
VALVE-EXHAUST N/A:HEAD/CAM ASY	UNITED STATES	0.12%
WIR ASY ENG BLK HTR	UNITED STATES	0.12%
PNL DOOR INR LH BLANK	UNITED STATES	0.11%
SUPT ASY-FU/TNK	UNITED STATES	0.11%
PNL HOOD INNER BLANK	UNITED STATES	0.11%
PNL HOOD OUTER BLANK	UNITED STATES	0.11%
ABS-BDY BLT LWR	UNITED STATES	0.11%
SNS ASY-ENG ELETR CONTR MS AIR FLO	UNITED STATES	0.11%
REINF-RAD GRL OPG PNL UPR	UNITED STATES	0.10%
CHMB ASY-HTR PLNM	UNITED STATES	0.10%
RET ASY-BDY BLT ABS LWR	UNITED STATES	0.10%
HOS ASY PWR STNG PRESS LN LH	UNITED STATES	0.10%
CARR-TRANS O/DRV	UNITED STATES	0.10%
PANEL ROOF CUT AWAY BLANK	UNITED STATES	0.10%
PIP ASY FU/TNK FILL	UNITED STATES	0.10%
OIL PUMP LESS SCRNS&COVER 2V	UNITED STATES	0.10%
CVR ASY I/PNL STNG COL OPG	UNITED STATES	0.09%
HUB & BUSHING ASY-COAST CLUTCH	UNITED STATES	0.09%
CONT ASY-AIR BAG SLD	UNITED STATES	0.09%
HIGH ACTIVITY ACTIVATED CARBON	UNITED STATES	0.09%
BRKT ASY FU/VPTR STRG CNSTR	UNITED STATES	0.09%
BDY FRT FNDR RH BLANK	UNITED STATES	0.09%
BDY FRT FNDR LH BLANK	UNITED STATES	0.09%
KIT-ENG VLV SPRNG,RETAINER,KEY	UNITED STATES	0.09%
FRONT STABILIZER BAR /DRW (YELLOW)	UNITED STATES	0.09%
REACTOR CASTING-STATOR	UNITED STATES	0.09%
CENTER SHAFT-OVERDRIVE	UNITED STATES	0.09%
HOS PWR STNG RTN LN UPR	UNITED STATES	0.08%
SENSOR ASY-EXH GAS OXYGEN (HEATED)	UNITED STATES	0.08%
HB ASY-TRANS CST CL INP	UNITED STATES	0.08%
OIL ENGINE ILSAC GF-5 SAE 5W-20	UNITED STATES	0.08%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
GSKT-INT MFLD TO 6049 6.8L 2V	UNITED STATES	0.08%
PNL C/T INR BLANK	UNITED STATES	0.08%
SUPT FR ENG RR	UNITED STATES	0.08%
TUB ASY FU/TNK TO CVR & FUL LN	UNITED STATES	0.08%
PARK GEAR-OUTPUT SHAFT	UNITED STATES	0.08%
KIT-CMP WIR	UNITED STATES	0.08%
PIP ASY MFLR INLT EXT	UNITED STATES	0.08%
PDL & SNS ASY ACEL	UNITED STATES	0.08%
TUB ASY A/C EVP OLET	UNITED STATES	0.08%
WIR ASY D/PNL HD/LP JCT	UNITED STATES	0.08%
LVR ASY TRANS GR SH	UNITED STATES	0.07%
TUBE ASY- HTR WTR UNDERBODT	UNITED STATES	0.07%
CYLINDER HEAD BOLT	UNITED STATES	0.07%
REG ASY FRT DR WDO LH	UNITED STATES	0.07%
PLR ASY FRT BDY INR LH	UNITED STATES	0.07%
PLR ASY FRT BDY INR	UNITED STATES	0.07%
BRKT & INS ASY-MFLR/O/P FRT RH	UNITED STATES	0.07%
SUN GEAR BLANK-FWD/REV	UNITED STATES	0.07%
RING-PIS.COMPRESS UPPER :6100	UNITED STATES	0.07%
PIN - PISTON ALL 6100 ASSYS	UNITED STATES	0.07%
RUN ASY DR GL LH	UNITED STATES	0.07%
INS ASY D/PNL SND	UNITED STATES	0.07%
U-BOLT-RR SPRING	UNITED STATES	0.07%
PLT ASY BK DR NM (E450 /SUPER DTY)	UNITED STATES	0.07%
SHRD-FAN	UNITED STATES	0.07%
HUB-OUTPUT SHAFT	UNITED STATES	0.07%
HOS ASY-RR WHL BRK LH	UNITED STATES	0.07%
TNK ASY RAD SPLY	UNITED STATES	0.07%
APR ASY FRT FNDR FRT LH	UNITED STATES	0.06%
HOS ASY-PWR STNG PRESS LN RH	UNITED STATES	0.06%
GL ASY-FRT DR WDO	UNITED STATES	0.06%
EXT ASY MFLR OLET PIP	UNITED STATES	0.06%
BRKT & VLV ASY FU/VPR MGT	UNITED STATES	0.06%
COWL SIDE INNER RH BLANK	UNITED STATES	0.06%
COWL SIDE INNER RH BLANK	UNITED STATES	0.06%
HOS ASY-PWR STNG PRESS LN LH	UNITED STATES	0.06%
SHLD ASY EXH SYS FRT	UNITED STATES	0.06%
COVER-(PRIME METAL)CONV E40D SHW	UNITED STATES	0.06%
GEAR-BALANCE SHAFT 6.8L	UNITED STATES	0.06%
REFRIGERANT R134A	UNITED STATES	0.06%
FUEL PUMP RELAY (FPR)	UNITED STATES	0.06%
LNK ASY-FRT STAB BAR	UNITED STATES	0.06%
RESVR & MTR ASY W/WSHR	UNITED STATES	0.06%
COWL TOP OTR	UNITED STATES	0.06%
GASKET EXH MFLD(RR) V8/V10	UNITED STATES	0.06%
PRE-TREATMENT CHEMICALS	UNITED STATES	0.06%
BEARING & CASE ASY-FWD NEEDLE	UNITED STATES	0.06%
ARM & PVT SHFT ASY W/WPR MTNG	UNITED STATES	0.06%
FRICTION PLATE- INTERMEDIATE CL	UNITED STATES	0.06%
REINF-DR HGE ON BDY BLANK	UNITED STATES	0.06%
REINF-DR HGE ON BDY BLANK	UNITED STATES	0.06%
FRICTION PLATE- REVERSE CLUTCH	UNITED STATES	0.06%
INPUT SHELL-FWD/DIRECT	UNITED STATES	0.06%
PAN ASY-OIL	UNITED STATES	0.05%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
SPARK PLUG ASSY -SOME 2V	UNITED STATES	0.05%
PLT-RR SPG CLMP UPR	UNITED STATES	0.05%
TUB ASY A/C COND TO EVP	UNITED STATES	0.05%
TUB ASY PWR STNG RTN LN	UNITED STATES	0.05%
PNL-BDY SD OTR LH	UNITED STATES	0.05%
PNL-BDY SD OTR LH	UNITED STATES	0.05%
BSHG-CONN ROD ALL 6200	UNITED STATES	0.05%
HOS ASY-TRANS OIL COOL	UNITED STATES	0.05%
INS ASY-BDY BLT UPR SND	UNITED STATES	0.05%
VISOR ASY-LH GREY VINYL	UNITED STATES	0.05%
ARM-STNG GR PTMN	UNITED STATES	0.05%
GASKET EXH MFLD(FRONT) 6.8L 2V	UNITED STATES	0.05%
RING GEAR BLANK-OVERDRIVE	UNITED STATES	0.05%
BRKT ASY FRT ROD	UNITED STATES	0.05%
BRKT ASY FRT R ARM LH	UNITED STATES	0.05%
PINION GEAR BLANK-REVERSE PLANET	UNITED STATES	0.05%
REINF-BDY LK PLR RH	UNITED STATES	0.05%
ARM ASY W/WPR	UNITED STATES	0.05%
CARDBOARD DOOR PANEL	UNITED STATES	0.05%
BSE & CA ASY-RADO ANT	UNITED STATES	0.05%
VALVE-INTAKE N/A:HEAD/CAM ASY	UNITED STATES	0.05%
COOL ASY PWR STNG OIL	UNITED STATES	0.05%
SHLD ASY-BDY MT HT RH	UNITED STATES	0.05%
CYLINDER HEAD GASKET - 6.8L LH	UNITED STATES	0.05%
CYLINDER HEAD GASKET - 6.8L RH	UNITED STATES	0.05%
CA & CONDU ASY P/BRK RR	UNITED STATES	0.05%
CA ASY TRANS SH	UNITED STATES	0.05%
PIP ASY-OIL FILL	UNITED STATES	0.05%
HOS ASY FRT WHL BRK	UNITED STATES	0.05%
HOS ASY-FRT WHL BRK LH	UNITED STATES	0.05%
SHLD ASY EXH SYS FRT	UNITED STATES	0.05%
TENSIONER-TIMING CHAIN LH C130	UNITED STATES	0.05%
TENSIONER-TIMING CHAIN RH C138	UNITED STATES	0.05%
HOS ASY RR WHL BRK	UNITED STATES	0.05%
PLR ASY-BDY LK INR	UNITED STATES	0.04%
INS ENG HSG SND (GAS)	UNITED STATES	0.04%
HEATER ASSY ENGINE BLOCK	UNITED STATES	0.04%
SEP-FU/VPR	UNITED STATES	0.04%
INSERT-V/SEAT-INTAKE PI (6049)	UNITED STATES	0.04%
RING GEAR BLANK-FORWARD	UNITED STATES	0.04%
BEARING CONNECTING ROD 6100	UNITED STATES	0.04%
OIL PAN GASKET - 6.8L 2V/3V	UNITED STATES	0.04%
SNS ASY FRT BRK ANTI/LK	UNITED STATES	0.04%
SNS ASY FRT BRK ANTI/LK LH	UNITED STATES	0.04%
INS ASY D/PNL SND	UNITED STATES	0.04%
REINF-BDY LK PLR LH BLANK	UNITED STATES	0.04%
REINF FRT FNDR APR UPR RR	UNITED STATES	0.04%
REINF FRT FNDR APR UPR RR	UNITED STATES	0.04%
HRN & SUPT ASY	UNITED STATES	0.04%
HOS & CLMP ASY RAD UPR	UNITED STATES	0.04%
CNE & RLR ASY-FRT WHL OTR BRG	UNITED STATES	0.04%
DEFL ASY A/C COND AIR UPR	UNITED STATES	0.04%
GRL ASY CWL TOP VEN	UNITED STATES	0.04%
LINK ASY-STAB BAR REAR	UNITED STATES	0.04%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
GRL ASY CWL TOP VEN	UNITED STATES	0.04%
TUB ASY-FRT WHL BRK RH	UNITED STATES	0.04%
GEAR BLANK-FWD PLANET PINION	UNITED STATES	0.04%
BRKT & INS ASY-MFLR INLT PIP	UNITED STATES	0.04%
INS & RET ASY-ENG RR SUPT	UNITED STATES	0.04%
IMPELLER STEEL-12" DRY LUBE TRIAL	UNITED STATES	0.04%
PLR ASY QTR LK UPR OTR	UNITED STATES	0.04%
CUTAWAYS, PAINT SEALER KIT SHEET	UNITED STATES	0.04%
STEP ASY-RNG BD RH	UNITED STATES	0.04%
RING GEAR BLANK-OUTPUT SHAFT	UNITED STATES	0.04%
TUB ASY PWR STNG RTN LN	UNITED STATES	0.04%
BLD ASY-W/WPR	UNITED STATES	0.04%
SPANOR ASY- 4X4 OUTPUT SHAFT	UNITED STATES	0.04%
PISTON-REVERSE CLUTCH	UNITED STATES	0.04%
CLEAR PLASTIC CUTAWAY SHEETING	UNITED STATES	0.04%
WINDSHIELD URÉTHANE ADHESIVE	UNITED STATES	0.04%
CA & CONDU ASY P/BRK RR LH	UNITED STATES	0.04%
SHKL ASY-RR SPG	UNITED STATES	0.04%
KIT OWNR GID MATL (U.S./ENGLISH)	UNITED STATES	0.04%
PINION GEAR BLANK-OVERDRIVE	UNITED STATES	0.04%
CAP-BATTERY TERMINAL ACCESS	UNITED STATES	0.04%
RING- PIS.COMPRESS LWR :6100	UNITED STATES	0.04%
PLT ASY-FRT DR SCF LH	UNITED STATES	0.04%
STEP ASY-RNG/BOARD LH	UNITED STATES	0.04%
CNE & RLR ASY-RR AX DIFF BRG	UNITED STATES	0.04%
DOWEL-MN BRG CAP TO BLOCK:6010	UNITED STATES	0.04%
HOS ASY-BRK PRESS CONTR VLV INLT	UNITED STATES	0.04%
NOZ ASY-HTR W/SHLD DEF	UNITED STATES	0.04%
BRKT & INS ASY-MFLR INLT PIP	UNITED STATES	0.04%
HUB & BUSHING ASY-FORWARD CLT	UNITED STATES	0.04%
VALVE GUIDE (ALL 6049/6050-2V)	UNITED STATES	0.04%
HOS ASY-TRANS OIL COOL	UNITED STATES	0.03%
BRKT ASY-ENG FRT SUPT LH	UNITED STATES	0.03%
SEAL ASY-VLV STEM :M6049/6050	UNITED STATES	0.03%
INSERT-V/SEAT-EXH 6049	UNITED STATES	0.03%
BRKT-ENG FRT	UNITED STATES	0.03%
BOLT&WSHR-M12X1.75X122.5HEX HD CON	UNITED STATES	0.03%
FLUID, HYDRAULIC BRAKE / DOT-3	UNITED STATES	0.03%
HSG ASY-IGN CIL	UNITED STATES	0.03%
CVR ASY PASS AIR BAG OPG	UNITED STATES	0.03%
MLDG ASY W/SHLD O/S TOP	UNITED STATES	0.03%
PRE-TREATMENT CHEMICALS	UNITED STATES	0.03%
REINF FRT FNDR FRT	UNITED STATES	0.03%
REINF FRT FNDR FRT LH	UNITED STATES	0.03%
SHAFT BLANK-INPUT	UNITED STATES	0.03%
PAINT SOLVENTS	UNITED STATES	0.03%
BRKT ASY ENG ELETR CONTR PROCS	UNITED STATES	0.03%
ABS-BDY BLT LWR	UNITED STATES	0.03%
PISTON ASY-OVERDRIVE COAST CLT	UNITED STATES	0.03%
FUEL CAP-BLACK "GASOLINE/E0-15"	UNITED STATES	0.03%
TUB ASY-FRT WHL BRK LH	UNITED STATES	0.03%
SW & BZL ASY HD/LP	UNITED STATES	0.03%
HNDL ASY FRT DR O/S LH	UNITED STATES	0.03%
SPROCKET-CR/SHAFT 1 PC C126W	UNITED STATES	0.03%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
APR ASY FRT FNDR FRT	UNITED STATES	0.03%
PCV TUBE	UNITED STATES	0.03%
SE ASY HOD FRT OPG	UNITED STATES	0.03%
PLT ASY-TRANS CST CL INT SPLI	UNITED STATES	0.03%
WIR ASY ENG CONTR SNS EXT	UNITED STATES	0.03%
LEVER ASY-MANUAL CONTROL	UNITED STATES	0.03%
REINF FRT DR HGE ON DOOR BLANK	UNITED STATES	0.03%
KIT-RADIO ANTENNA (32" MAST)	UNITED STATES	0.03%
RET ASY-FRT DR GL LK SD	UNITED STATES	0.03%
SCR/CVR ASSY-O/PUMP 6.8L	UNITED STATES	0.03%
VENTURI - AIR INTAKE	UNITED STATES	0.03%
W/S ASY FRT DR GL @ BEL O/S LH	UNITED STATES	0.03%
PISTON ASY-DIRECT CLUTCH	UNITED STATES	0.03%
TRANSMISSION/POWER STEERING FLUID	UNITED STATES	0.03%
BRKT-FRT AX PVT LH	UNITED STATES	0.03%
SPCR FU/TNK BRA	UNITED STATES	0.03%
GASKET-TRANS OIL PAN	UNITED STATES	0.03%
NEEDLE BEARING-REVERSE PLANET	UNITED STATES	0.03%
EXT ASY-FRT FLR RR C/M LH	UNITED STATES	0.03%
BOLT&RET M18X126 HF 10	UNITED STATES	0.03%
1020 BRAZED IMPELLER ASY-LESS HUB	UNITED STATES	0.03%
CVR-ENG A/CLNR OTR	UNITED STATES	0.03%
CONN ASY-IGN CIL	UNITED STATES	0.03%
RSTR ASY-LT SW RHST	UNITED STATES	0.03%
CA & CONDU ASY P/BRK	UNITED STATES	0.03%
PANEL-ROOF HEADER(CUTAWAY)	UNITED STATES	0.03%
INS ASY BDY BLT SND UPR	UNITED STATES	0.03%
FRICTION PLATE- OVERDRIVE CLUTCH	UNITED STATES	0.03%
PRESSURE PLATE-6.8L INTRMD CLUTCH	UNITED STATES	0.03%
CVR ASY BAT	UNITED STATES	0.03%
CYLINDER BLANK-DIRECT CLUTCH	UNITED STATES	0.02%
FILL ASY DR WDO OPG FRT	UNITED STATES	0.02%
BOOT SPARK PLUG	UNITED STATES	0.02%
FRICTION PLATE- DIRECT CLUTCH	UNITED STATES	0.02%
SPROCKET-CAMSHAFT LH 6.8L 2-V	UNITED STATES	0.02%
TUB & BRKT ASY-OIL LVL IND 6.8L 2V	UNITED STATES	0.02%
TUB ASY HTR WTR OLET	UNITED STATES	0.02%
COP SEC WIRE(REG INSUL)	UNITED STATES	0.02%
PAWL- BRAKE PARKING	UNITED STATES	0.02%
BRKT ASY-ENG ELETR CONTR PROCS	UNITED STATES	0.02%
SEAL ASY STNG COL OPENING	UNITED STATES	0.02%
SPROCKET-CAMSHAFT RH 5.4/6.8 2V	UNITED STATES	0.02%
WIR ASY DR LK FD	UNITED STATES	0.02%
REINF-BDY SD RR FILL LH	UNITED STATES	0.02%
TUB ASY CRKC VEN	UNITED STATES	0.02%
ELEM ASY-CARB A/CLNR	UNITED STATES	0.02%
MLDG ASY W/SHLD GARN SD LH	UNITED STATES	0.02%
WINDSHIELD HEADER BLANK	UNITED STATES	0.02%
RACE & BEARING ASY-SUN GEAR	UNITED STATES	0.02%
MIR ASY RV I/S	UNITED STATES	0.02%
BALANCED PISTON - DIRECT CLT	UNITED STATES	0.02%
SUN GEAR BLANK-OVERDRIVE	UNITED STATES	0.02%
KIT SHLD ASY EXH SYS RR	UNITED STATES	0.02%
SHAFT-REVERSE PLANET GEAR	UNITED STATES	0.02%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
PARK GEAR-OUTPUT SHAFT	UNITED STATES	0.02%
HOS ASY FU/VPR VEN	UNITED STATES	0.02%
STUD M10X22+M10X15 RD PTM HITEMP	UNITED STATES	0.02%
DEFL ASY CWL VEN	UNITED STATES	0.02%
RL-RF SD OTR RH	UNITED STATES	0.02%
RL-RF SD OTR LH	UNITED STATES	0.02%
RSTR ASY-IGN CIL	UNITED STATES	0.02%
BRKT ASY-RAD SUPT UPR RH	UNITED STATES	0.02%
RET FRT STAB BAR TO AX	UNITED STATES	0.02%
PRESSURE PLATE - O/DRV CLUTCH	UNITED STATES	0.02%
OUTER RACE BLANK-1" STATOR REACTOR	UNITED STATES	0.02%
HOOD HINGE ASY R/H	UNITED STATES	0.02%
HGR & INS ASY-MFLR OLET PIP	UNITED STATES	0.02%
SHIPPING CONTAINER BOX BOTTOM	UNITED STATES	0.02%
TUBE ASY TRANS OIL FILL	UNITED STATES	0.02%
MAN SAF STD CERT	UNITED STATES	0.02%
WIR ASY WDO REG FRT DR LH	UNITED STATES	0.02%
THERMOSTAT ASSY-WATER V8 D027E	UNITED STATES	0.02%
T-LAM ASSY - COP	UNITED STATES	0.02%
PNL W/WPR MTNG	UNITED STATES	0.02%
STEEL PLATE - DIRECT CLUTCH	UNITED STATES	0.02%
BOLT-M20X2.5X208.7HEX FLNG HD SHLD	UNITED STATES	0.02%
CAP ASY RADO IGN INTFER	UNITED STATES	0.02%
SHLD FRT FNDR APR SPLS RH	UNITED STATES	0.02%
SHLD FRT FNDR APR SPLS LH	UNITED STATES	0.02%
HOOD HINGE ASY L/H	UNITED STATES	0.02%
BOLT-CONNECTING ROD ALL 6200	UNITED STATES	0.02%
C-LAM ASSY - COP	UNITED STATES	0.02%
CLAMP ASY-ENG AIR CLEANER	UNITED STATES	0.02%
SEGMENT-PSTN UPR OIL CTRL RING	UNITED STATES	0.02%
PNL-FRT FLR SD SL INR LH	UNITED STATES	0.02%
PNL-FRT FLR SD SL INR RH	UNITED STATES	0.02%
BOLT&WASH-M14X2.0X133.5HEX PIL SPL	UNITED STATES	0.02%
BRKT FU/VPR STRG CNSTR	UNITED STATES	0.02%
CVR-CARB A/CLNR INR	UNITED STATES	0.02%
EXT FRT FLR RR C/M	UNITED STATES	0.02%
W/S ASY DR GL @ BEL I/S	UNITED STATES	0.02%
RET FRT DR SEAL LH	UNITED STATES	0.02%
SEAL ASY-OUTPUT SHAFT	UNITED STATES	0.02%
HUB TUBING-IMPELLER	UNITED STATES	0.02%
KIT-FUEL TANK TRANSIT	UNITED STATES	0.02%
BRKT-STNG SHK ABS RH	UNITED STATES	0.02%
BRKT WIR	UNITED STATES	0.02%
INS-FRT SUSP SPG LWR	UNITED STATES	0.02%
BOLT-CR/SHFT MN BRG CAP (6010)	UNITED STATES	0.02%
REINF CWL SD INR PNL	UNITED STATES	0.02%
REINF CWL SD INR PNL	UNITED STATES	0.02%
REINF FRT DR AT BELT R&L	UNITED STATES	0.02%
BLT ASY-FR ATT	UNITED STATES	0.02%
1330 TRAY - AIR CLNR	UNITED STATES	0.02%
INS ASY STAB BAR	UNITED STATES	0.02%
BOLT&WSHR M18X133 HF NP CTP 10	UNITED STATES	0.02%
BRKT ASY-A/C COND MTNG RH	UNITED STATES	0.02%
SEALER, NON-EXPANDING, PUMPABLE, A	UNITED STATES	0.02%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
STUD-9430/9431 TO 6049-COL.D35	UNITED STATES	0.02%
FRT DR INTRUSION BEAM	UNITED STATES	0.02%
REINF-FRT FLR SD INR SL RH	UNITED STATES	0.01%
REINF-FRT FLR SD INR SL LH	UNITED STATES	0.01%
72MMX55M 3-M PERF PLS 8979-S(BLUE)	UNITED STATES	0.01%
CUP DR I/S HNDL	UNITED STATES	0.01%
STUD M10X53+M10X15 P/T	UNITED STATES	0.01%
BRKT FRT LIC PLT MTNG	UNITED STATES	0.01%
REINF ASY DR O/S BEL	UNITED STATES	0.01%
TRY ASY-BAT	UNITED STATES	0.01%
STUD/WSHR 6C086 TO 6049 C170	UNITED STATES	0.01%
CONNECTOR ASY-OIL TUBE	UNITED STATES	0.01%
GUIDE-TIMING CHAIN RH C124	UNITED STATES	0.01%
BOLT M12X100 HF PIL ADH 10	UNITED STATES	0.01%
BEARING-OVERDRIVE PLANET	UNITED STATES	0.01%
NUT M16 HF PTM 10	UNITED STATES	0.01%
PLUG-CUP STAINLESS STEEL :6010	UNITED STATES	0.01%
GASKET-TRANS. EXTENSION	UNITED STATES	0.01%
1020 BLADE STEEL-4" IMPELLER	UNITED STATES	0.01%
BRKT-MFLR INLT PIP SUPT	UNITED STATES	0.01%
BLT ASY-CR/SHFT MN BR CAP-SIDE	UNITED STATES	0.01%
SEAL- RR CRANKSHAFT	UNITED STATES	0.01%
SPCR-PSTN O/CTRL RING SEG:6100	UNITED STATES	0.01%
BRKT-FRT AX PVT RH	UNITED STATES	0.01%
SENSOR ASY-CR/SHFT (HDR) D093L	UNITED STATES	0.01%
RING-IGN PULSE C/S SENSOR C140	UNITED STATES	0.01%
BEARING & RACE ASY-SUN GEAR	UNITED STATES	0.01%
GUIDE-TIMING CHAIN LH C122	UNITED STATES	0.01%
ARM-T/CHAIN TENSIONER RH C138	UNITED STATES	0.01%
ARM-T/CHAIN TENSIONER LH C130	UNITED STATES	0.01%
BRACKET-ALTERNATOR SUPPORT	UNITED STATES	0.01%
OIL FILTER ASSY	UNITED STATES	0.01%
REINF FRT FLR PAN TO S/M	UNITED STATES	0.01%
REINF FRT FLR PAN TO S/M	UNITED STATES	0.01%
WSHR-CONV STATR THRS	UNITED STATES	0.01%
BLT&WSHR M12X149 HEX ADH PIL CNE 9	UNITED STATES	0.01%
MAGNET IGNITION COIL	UNITED STATES	0.01%
CYLINDER STEEL-COAST CLUTCH	UNITED STATES	0.01%
SUPT ASY RAD GRL OPG PNL	UNITED STATES	0.01%
SHAFT - INPUT	UNITED STATES	0.01%
BEARING ASY-FWD/OUTPUT THRUST	UNITED STATES	0.01%
EXT ASY FRT FNDR APR FRT	UNITED STATES	0.01%
PNL ASY BDY LK PLR I/S FIN UPR	UNITED STATES	0.01%
PLATE-DIRECT CLT PRESSURE	UNITED STATES	0.01%
SHLD ASY FU/TNK	UNITED STATES	0.01%
SENSOR-CAMSHFT TIMING (CTS)D107	UNITED STATES	0.01%
BRKT ASY-A/C COND MTNG RH	UNITED STATES	0.01%
BEARING ASY-INTERMEDIATE CLUTCH	UNITED STATES	0.01%
WASHER-OVERDRIVE PLANET GEAR	UNITED STATES	0.01%
PNL ASY-CWL SD TR RH	UNITED STATES	0.01%
BOLT-PUMP TO CASE	UNITED STATES	0.01%
BOLT M16 X 2.0 X 53.0 HEX FLNG	UNITED STATES	0.01%
BOLT/WSHR-ATT OILPAN B109,C178	UNITED STATES	0.01%
GASKET-OIL FILTER ADAPTOR	UNITED STATES	0.01%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
HOOD LATCH STRIKER	UNITED STATES	0.01%
RETURN SPRING-DIRECT CLT PISTON	UNITED STATES	0.01%
BRKT ASY FRT FNDR MTG RR UPR RH	UNITED STATES	0.01%
BRKT ASY FRT FNDR MTG RR UPR LH	UNITED STATES	0.01%
INS ASY-RR SHK ABS UPR MTG	UNITED STATES	0.01%
SW ASY-CURT LP (FRNT DR)	UNITED STATES	0.01%
BOLT MJ14X110 HF NP ADH SPL 10	UNITED STATES	0.01%
SUPT ASY RAD GRL OPG PNL LH	UNITED STATES	0.01%
BRKT ASY P/BRK CA RR LH	UNITED STATES	0.01%
BRKT-BRK BST SUPT MTNG	UNITED STATES	0.01%
CAP ASY-PRESS RLEF VLV	UNITED STATES	0.01%
BOBBIN-IGNITION COIL SECONDARY	UNITED STATES	0.01%
BRG CSHAFT MAIN LOWER GRADE 2	UNITED STATES	0.01%
INS - RAD SUPT LWR (GAS)	UNITED STATES	0.01%
REINF FRT FLR CS RR MBR	UNITED STATES	0.01%
SHLD FRT BRK DSC	UNITED STATES	0.01%
SHLD FRT BRK DSC LH	UNITED STATES	0.01%
THRUST WASHER-CONVERTER	UNITED STATES	0.01%
BRA ASY-BAT SUPT RH	UNITED STATES	0.01%
BEARING-CONVERTER	UNITED STATES	0.01%
WIR ASY INTR LP	UNITED STATES	0.01%
INNER RACE BLANK-1" STATOR REACTOR	UNITED STATES	0.01%
IND ASY-OIL LVL	UNITED STATES	0.01%
WIR ASY A/C JMPR	UNITED STATES	0.01%
WASHER-IMPELLER THRUST	UNITED STATES	0.01%
INS-RR STAB BAR	UNITED STATES	0.01%
SHLD-FRT DR TR WTR LH	UNITED STATES	0.01%
PNL ASY-CWL SD TR LH	UNITED STATES	0.01%
WIRE ASSY-TEMP SENSOR (JUMPER)	UNITED STATES	0.01%
WASHER-REVERSE PLANET GEAR THRUST	UNITED STATES	0.01%
STRKR ASY-FRT DR LAT	UNITED STATES	0.01%
BLT & RET-M12X1.75X34.5 HEX FLG HD	UNITED STATES	0.01%
WASHER-REACTOR THRUST (PHENOLIC)	UNITED STATES	0.01%
IND ASY-TRANS OIL LVL	UNITED STATES	0.01%
SWITCH-OIL PRESS SENDER -6.8L	UNITED STATES	0.01%
SNAP RING-CENTER SUPPORT	UNITED STATES	0.01%
CTNR I/PNL STRG	UNITED STATES	0.01%
HNDL ASY FRT DR WDO REG	UNITED STATES	0.01%
THRUST WASHER - UPPER	UNITED STATES	0.01%
BEARING & RACE ASY-LOW REVERSE	UNITED STATES	0.01%
BRKT RAD GRL PNL END	UNITED STATES	0.01%
SCR&WASH M6X1X25 HEX HD PIL 9	UNITED STATES	0.01%
BEARING ASY-O/DRV TO CARRIER	UNITED STATES	0.01%
RET-RR STAB BAR TO AXLE	UNITED STATES	0.01%
VACUUM HARNESS - 2V ECONO(5,4,6,8)	UNITED STATES	0.01%
TUB ASY BRK BST OLET	UNITED STATES	0.01%
ADJ-FRT SUSP UPR DARK BLUE	UNITED STATES	0.01%
BOLT M12X1.75X39.5 HEX FLNG PIL	UNITED STATES	0.01%
NUT & WASHER - M10 X 1.5 HEX P/T	UNITED STATES	0.01%
BOND ASSY-RADO FREQ INTF SUPPRESS	UNITED STATES	0.01%
WASHER-FWD PLANET GEAR	UNITED STATES	0.01%
PLUG-CUP STNLS STEEL 6010/6049	UNITED STATES	0.01%
TUB ASY BRK BST OLET	UNITED STATES	0.01%
BOLT-6884 TO 6010/INT TO 6049	UNITED STATES	0.01%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
SCREW&WSHR M6X20 HF GND SPL 010	UNITED STATES	0.01%
SHROUD STEEL-12" TURBINE/IMPELLER	UNITED STATES	0.01%
PCV VALVE-5.4/6.8L 2V	UNITED STATES	0.01%
SEAL-CR/SHAFT FRT OIL D087	UNITED STATES	0.01%
CIBA EPOXY RESIN-COP	UNITED STATES	0.01%
ADJ FRT SUSP UPR GREEN/BLACK	UNITED STATES	0.01%
CVR ASY RV O/S MIR MTNG HLE LH	UNITED STATES	0.01%
TUBE ASSY-HEATER WATER A129	UNITED STATES	0.01%
BRG CSHAFT MAIN UPPER GRADE 2	UNITED STATES	0.01%
NUT-M20X2.5 HEX FLNG LOCK P/T	UNITED STATES	0.01%
RET FRT SPG MTNG	UNITED STATES	0.01%
BRG/RACE ASY SUN GEAR	UNITED STATES	0.01%
SPRING & RETAINER ASY-REVERSE CLT	UNITED STATES	0.01%
BRKT-AUX A/C MTNG	UNITED STATES	0.01%
TUBE-OIL STUB	UNITED STATES	0.01%
SCR M8X1.25X30 HEX FLNG PNT CLR TR	UNITED STATES	0.01%
INS FRT FLR PAN CTR HT LH	UNITED STATES	0.01%
SLINGER-CR/SHFT RR OIL B129	UNITED STATES	0.01%
BLT-CAM CAPS FRT/RR TO 6049/50	UNITED STATES	0.01%
BON ASY RADO FREQ INTFER SPRS	UNITED STATES	0.01%
ADJ-FRT SUSP UPR LT BLUE/WHITE	UNITED STATES	0.01%
SHRD STNG COL INR	UNITED STATES	0.01%
BOLT M12X1.75X33 TWELVE PT PIL 12	UNITED STATES	0.01%
INS FRT FLR PAN CTR HT	UNITED STATES	0.01%
REFRIGERANT COMPRESSOR OIL (DRUM)	UNITED STATES	0.01%
SPCR ASY BAT H/DWN	UNITED STATES	0.01%
SPCR ASY BAT H/DWN	UNITED STATES	0.01%
BSHG-TRANS SUN GR	UNITED STATES	0.01%
WASHER-CONVERTER CLT THRUST	UNITED STATES	0.01%
PNL ASY DH CTR TR (VINYL)	UNITED STATES	0.01%
RETURN SPRING - COAST CLT	UNITED STATES	0.01%
REINF ASY FRT FNDR APR @ HGE	UNITED STATES	0.01%
REINF ASY FRT FNDR APR @ HGE LH	UNITED STATES	0.01%
ISLT ASY-ENG A/CLNR	UNITED STATES	0.01%
SHRD STNG COL	UNITED STATES	0.01%
GREASE LITHIUM COMPLEX SOAP-LUBE	UNITED STATES	0.01%
NUT-M8X1.25X1.25 STAMPED	UNITED STATES	0.01%
NUT-EXH MFLDS TO 6049:D163/167	UNITED STATES	0.01%
RET-FRT SPG MTNG LWR	UNITED STATES	0.01%
REINF DR O/S PNL RR	UNITED STATES	0.01%
BRKT-WIRE RETENTION 6.8L 2V	UNITED STATES	0.01%
PNL ASY DH CTR TR (VINYL)	UNITED STATES	0.01%
NUT STRIKER M8X 1.25 DR HG ANCHOR	UNITED STATES	0.01%
NUT STRIKER M8X 1.25 DR HG ANCHOR	UNITED STATES	0.01%
BOLT&WSHR M12X1.75X92.7 HEX CONE P	UNITED STATES	0.01%
NUT&RETAINER-M14- 2.0 HEX FLNG P/T	UNITED STATES	0.01%
NUT 3/4-16 HEX SLOT	UNITED STATES	0.01%
SCREW M10X28.5 PN TI PIL 010	UNITED STATES	0.01%
BOLT-LIFTING EYE TO 6049 D175	UNITED STATES	0.01%
CLIP-25.4-25.4 WRAPAROUND B/MT	UNITED STATES	0.01%
ADJ-FRT SUSP UPR LT BLUE/YELLOW	UNITED STATES	0.01%
INSULATOR SHOCK ABSORBER	UNITED STATES	0.01%
COP PRI WIRE 25AWG	UNITED STATES	0.01%
SHLD ASY BDY MT HT RH	UNITED STATES	0.01%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
REINF HOOD INR PNL @ LK	UNITED STATES	0.01%
BRKT ASY FRT FNDR MTNG FRT	UNITED STATES	0.01%
SHORT BOLT-EXTENSION ASY	UNITED STATES	0.01%
NUT&RET M10X1.5X80.0 DUAL HEX	UNITED STATES	0.01%
SE FRT FLR PAN	UNITED STATES	0.01%
PEENED GEAR-REV PLANET PINION	UNITED STATES	0.01%
PLUG BUTTON 1.00X2.00 OBLONG	UNITED STATES	0.01%
PLT ASY CWL TOP PNL ACC HLE CVR	UNITED STATES	0.01%
BOLT-OIL PAN	UNITED STATES	0.01%
HOS ASY-W/SHLD WSHR PMP	UNITED STATES	0.01%
RIVET 7/16X1.12 SOLID BUTTON HD	UNITED STATES	0.01%
BRKT WIR	UNITED STATES	0.01%
HOOD BUMPER (33MM PRESET)	UNITED STATES	0.01%
ISLT ASY-ENG A/CLNR	UNITED STATES	0.01%
FILL ASY FRT FNDR FRT	UNITED STATES	0.00%
FILL ASY FRT FNDR FRT LH	UNITED STATES	0.00%
CLMP-TRANS OIL COOL TUB FRT	UNITED STATES	0.00%
SEALER EXPANDING	UNITED STATES	0.00%
BLT-CAP BALSHFT-LH CYL HD-6.8L	UNITED STATES	0.00%
BOLT M10X70 HF 10	UNITED STATES	0.00%
SPGR-TRANS LOW & REV GR	UNITED STATES	0.00%
REINF FRONT DR INSIDE REAR	UNITED STATES	0.00%
SUN GEAR-FWD/REVERSE	UNITED STATES	0.00%
BRKT ASY-I/PNL CTR SUPT LH	UNITED STATES	0.00%
THRUST WASHER - LOWER	UNITED STATES	0.00%
BOLT M10X65 HF 8	UNITED STATES	0.00%
ADHESIVE EPOXY WELDABLE, THERMAL C	UNITED STATES	0.00%
STUD-CONVERTER DRIVEWIDE BASE	UNITED STATES	0.00%
NUT&RET M8 HF PTP 10	UNITED STATES	0.00%
BOLT&WSHR M14X45 HF PIL ADH	UNITED STATES	0.00%
HOS ASY-W/WSHR	UNITED STATES	0.00%
NUT & RETNR M12X1.75 HEX FLG P/T	UNITED STATES	0.00%
NUT M12 X 1.75 (J-CLIP) BLACK	UNITED STATES	0.00%
STFNR DR I/S PNL BEL REINF	UNITED STATES	0.00%
NUT M10 HF SPL 8	UNITED STATES	0.00%
GSKT ASY-EXH PIP	UNITED STATES	0.00%
DECAL-SAFETY STANDARD CERTIFICATE	UNITED STATES	0.00%
BRKT ASY-I/PNL CTR SUPT RH	UNITED STATES	0.00%
NUT - M12 - 1.75 HEX FLANGE LOCK	UNITED STATES	0.00%
PUMP SEAL-FRONT OIL	UNITED STATES	0.00%
REINF CWL TOP PNL	UNITED STATES	0.00%
REINF CWL TOP PNL	UNITED STATES	0.00%
SEALER-VINYL-THUMB-PNTBL	UNITED STATES	0.00%
SPGR-DR WDO REG HNDL	UNITED STATES	0.00%
BRG CSHAFT MAIN UPPER GRADE 1	UNITED STATES	0.00%
SEAL-FWD CLUTCH CYLINDER	UNITED STATES	0.00%
WSHR-FRT SHK ABS INS OTR	UNITED STATES	0.00%
NUT M12 HF 10	UNITED STATES	0.00%
SE-CWL SD PNL LH	UNITED STATES	0.00%
EXT-FRT FLR PAN RR RH	UNITED STATES	0.00%
EXT-FRT FLR PAN RR LH	UNITED STATES	0.00%
STUD 6C086 TO 6010 V8/V10 C172	UNITED STATES	0.00%
NUT&RETAINER M8X2.5 HEX FLNG P/T	UNITED STATES	0.00%
GUIDE PLATE-PARK ROD	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
SCR/WSHR 6C086 TO 6049 C168W	UNITED STATES	0.00%
BOLT M10 - 1.5 X 30 HEX FLG PLT	UNITED STATES	0.00%
TERMINAL-SECONDARY (IGNITION)	UNITED STATES	0.00%
SCREW&WSHR M8X22.5 HX CON PTC 010	UNITED STATES	0.00%
STUD M12X1.75X1.75X68 RND SHLDR	UNITED STATES	0.00%
INS FRT DR O/S PNL SND LH	UNITED STATES	0.00%
PLG CWL TOP OTR PNL LH	UNITED STATES	0.00%
TRANSMISSION/POWER STEERING FLUID	UNITED STATES	0.00%
CVR-CONV HSG LWR	UNITED STATES	0.00%
CVR SW OPG	UNITED STATES	0.00%
REINF-FRT FNDR APR TO RAD SUPT LH	UNITED STATES	0.00%
RET BRK TUB TO BRKT ANTI/LK SNS	UNITED STATES	0.00%
ADJ FRT SUSP UPR BLACK/RED	UNITED STATES	0.00%
SCREW M6X14 HF 010	UNITED STATES	0.00%
NUT - M12 X 1.75 HEX FLG LOCK P/T	UNITED STATES	0.00%
BOLT-6C086 TO 6010 C166W/168W	UNITED STATES	0.00%
BOLT&WSHR M8X27 HX PIL ADH FL 8	UNITED STATES	0.00%
RETAINER-PISTON PIN ALL 6100	UNITED STATES	0.00%
REINF-FRT FNDR APR TO RAD SUPT RH	UNITED STATES	0.00%
STMPD NUT M8X1.25X1.25/CALIF INDUS	UNITED STATES	0.00%
SHLD FRT SUSP UPR ARM HT	UNITED STATES	0.00%
COVER-CYLINDER BLOCK OPENING	UNITED STATES	0.00%
GASKET-CASE VALVE BODY	UNITED STATES	0.00%
SOLID BOLT-CENTER SUPPORT	UNITED STATES	0.00%
CVR-STNG WHL SPK INS	UNITED STATES	0.00%
HNDL-TLT STNG WHL LVR	UNITED STATES	0.00%
LONG BOLT-SOLENOID BODY TO CASE	UNITED STATES	0.00%
BLACK NYLON STRAP	UNITED STATES	0.00%
BOLT 7/16-14X1.38 HEX FLG PLT 5	UNITED STATES	0.00%
RIVET 6.4 MULTI-GRIP SPLIT	UNITED STATES	0.00%
NUT 4.8 HI-LOX10X20X1.4 SLD	UNITED STATES	0.00%
STUD - ATT OFA	UNITED STATES	0.00%
PLUG 11.2MM DIA PUSH IN	UNITED STATES	0.00%
PLT-FU/VR STRG CNSTR C RET	UNITED STATES	0.00%
BOLT-6375 TO 6303-A/T B137/143	UNITED STATES	0.00%
LONG BOLT-EXTENSION ASY	UNITED STATES	0.00%
PIN-DOWEL HOLLOW 6375 TO 6010	UNITED STATES	0.00%
VENT-RR AX HSG	UNITED STATES	0.00%
SPG-FU/VR INR	UNITED STATES	0.00%
RET-P/BRK CA RR	UNITED STATES	0.00%
BOLT&RET M8X35 HF PIL 8	UNITED STATES	0.00%
SCREW&WSHR M6X28 HX CON 010	UNITED STATES	0.00%
BOLT-ATT CAM SPOCKETS	UNITED STATES	0.00%
BOLT/WSHR-8501 TO 6010 D103	UNITED STATES	0.00%
SPCR-6622 TO 6K258 STUD	UNITED STATES	0.00%
REINF-FRT FNDR APR TOP LWR	UNITED STATES	0.00%
BLT & RET-M12X1.75X34.5 HEX FLG HD	UNITED STATES	0.00%
SCREW M12X25 HF 010	UNITED STATES	0.00%
REACTOR ROLLER-OVERRUNNING CLT	UNITED STATES	0.00%
BOBBIN-IGN. COIL PRIMARY	UNITED STATES	0.00%
SPRING-STATOR REACTOR	UNITED STATES	0.00%
BRKT PWR STNG TUB	UNITED STATES	0.00%
NUT-M6 X 1.0 PIERCE	UNITED STATES	0.00%
BOLT M12X65 HF 10	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
SCR&WASH M8X1.25X33 HEX HD CTP PT	UNITED STATES	0.00%
GASKET-OIL PUMP	UNITED STATES	0.00%
BOND ASSY-RADIO FREQ INTF SUPPRESS	UNITED STATES	0.00%
VENT ASSEMBLY CASE	UNITED STATES	0.00%
SE CWL SD PNL	UNITED STATES	0.00%
WHEEL WELL BLACKOUT COATING	UNITED STATES	0.00%
SLV ASY-FU/VPR STRG CNSTR PRG INLT	UNITED STATES	0.00%
BOLT M12 - 1.75 X 65 HEX HD 9	UNITED STATES	0.00%
BOLT M8X78 HF PIL 8	UNITED STATES	0.00%
SCREW&WSHR M8X25 HX PIL 010	UNITED STATES	0.00%
SPACER-CAMSHAFT SPROCKET C120	UNITED STATES	0.00%
BETAFOAM ISOCYANATE #87100	UNITED STATES	0.00%
PAINT SOLVENTS	UNITED STATES	0.00%
WASHER-CENTER SUPPORT THRUST	UNITED STATES	0.00%
BEARING & RACE-CENTER SUPPORT	UNITED STATES	0.00%
ABUTMENT-PARK PAWL ACTUATOR	UNITED STATES	0.00%
SCREW 4.8X1.59X32 OVAL HD TRIM TAP	UNITED STATES	0.00%
BOLT & WASHER-COAST CLUTCH HUB	UNITED STATES	0.00%
2 TANG FLAT RING	UNITED STATES	0.00%
SCREW&WSHR 1/2-13X1.25 HEX HD	UNITED STATES	0.00%
GREASE FOR COP	UNITED STATES	0.00%
BOLT-M14X2.0X75.0 HEX HEAD	UNITED STATES	0.00%
PIN-PARK PAWL SHAFT	UNITED STATES	0.00%
BOLT M10 - 1.50 X 75 HEX FLG HD 9	UNITED STATES	0.00%
BRKT-TRANS K/DWN CA	UNITED STATES	0.00%
BOLT M10 1.5X25.5 HEX FLNG HD PIL	UNITED STATES	0.00%
NUT M12 HF PTM 10	UNITED STATES	0.00%
RET D/PNL CTR TR	UNITED STATES	0.00%
BOLT M12X65 HF PIL 10	UNITED STATES	0.00%
NATURAL LUBE DAM-GAS FWD CARRIER	UNITED STATES	0.00%
SEALER-EXPNDL-PMPBL-VINYL	UNITED STATES	0.00%
PIN-DOWEL 6C086/6K318 TO BLOCK	UNITED STATES	0.00%
SCR&WASH-M8X1.25X27.5 HEX HD PLT.	UNITED STATES	0.00%
ADJ FRT SUSP UPR GREEN/PINK	UNITED STATES	0.00%
ADJ-FRT SUSP UPR YELLOW/GRAY	UNITED STATES	0.00%
NUT M12X1.5 HF 10	UNITED STATES	0.00%
BOLT-12A366 TO 9424 2V3V	UNITED STATES	0.00%
NUT M6X1.0 PRC/FABRI STEEL	UNITED STATES	0.00%
BUTYL RUBBER SEALER ADHESIVE MASTI	UNITED STATES	0.00%
RET FRT DR SCF PLT	UNITED STATES	0.00%
CVR I/PNL ACC HLE	UNITED STATES	0.00%
CVR FRT ST SHLD STRP GID ADJ	UNITED STATES	0.00%
COMPRESSION PLATE	UNITED STATES	0.00%
SCREW&WSHR M6X20 HF GND SPL 010	UNITED STATES	0.00%
SCREW&WSHR M6X20 HF GND SPL 010	UNITED STATES	0.00%
STAKE PIN-PLANET CARRIER	UNITED STATES	0.00%
STD 18663 TO 6049 V8/V10 C168E P	UNITED STATES	0.00%
BRKT-RR WHL BRK HOS	UNITED STATES	0.00%
BETAFOAM POLYOL #87120	UNITED STATES	0.00%
REINF HOD HGE ON HOD	UNITED STATES	0.00%
REINF HOD HGE ON HOD LH	UNITED STATES	0.00%
S/WSH-B77,101,D29R,93L,107,155	UNITED STATES	0.00%
NUT & RETAINER - M10 -1.5	UNITED STATES	0.00%
NUT M12-1.75 HEX FLANGE LOCK P/T	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
BOLT M8X31 RC TI CTP ADH 10	UNITED STATES	0.00%
PIN-DOWEL ALIGNS GUIDE TO BLK	UNITED STATES	0.00%
NUT 1/2-13 HEX LOCK P/T FLG	UNITED STATES	0.00%
CVR BDY SD LK PLR ACC	UNITED STATES	0.00%
CVR BDY SD LK PLR ACC	UNITED STATES	0.00%
SCR&WASH M6X1X20 HEX HD PIL 9	UNITED STATES	0.00%
WELDWIRE-SEAM WELDER .045 @1000#	UNITED STATES	0.00%
BOLT&WSHR M6X25 HF PIL CON SPL 8	UNITED STATES	0.00%
RET L/C DR LK CYL	UNITED STATES	0.00%
BOLT M10X30 HF PIL 8	UNITED STATES	0.00%
BOLT-8594 TO 9424 C216W/D027E	UNITED STATES	0.00%
BLT-TENSNR'S TO 6049 C130/138 ALL	UNITED STATES	0.00%
SC&WSHR 4.2X6.8 HEX WSHR H	UNITED STATES	0.00%
BRG CSHAFT MAIN LOWER GRADE 1	UNITED STATES	0.00%
SCR&WASH-M4.2X1.41X19HEX HD TAP TO	UNITED STATES	0.00%
WASHER-4X4 PARK GEAR	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0	UNITED STATES	0.00%
BRG CSHAFT MN INTERM UPR #2 100%	UNITED STATES	0.00%
CAP - RADIO ANTENNA BASE	UNITED STATES	0.00%
RET CWL TOP VEN GRL	UNITED STATES	0.00%
CLP P/BRK CA	UNITED STATES	0.00%
BUTYL RUBBER SEALER ADHESI	UNITED STATES	0.00%
FLTR FU/VPR STRG CNSTR	UNITED STATES	0.00%
FRT DR BELT RAIL	UNITED STATES	0.00%
CLAMP .62 ROUND WORM SCR HOSE SS	UNITED STATES	0.00%
CLIP 5 PANEL PUSH-IN	UNITED STATES	0.00%
RIVET 6.6X23.9 SPL	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0 P/T	UNITED STATES	0.00%
NUT M14 HF PTM 10	UNITED STATES	0.00%
BLT ASY-TRANS BREA (AT OUPUT FLNG)	UNITED STATES	0.00%
SCR&WASH M8X1.25X25 HEX HD PIL 9	UNITED STATES	0.00%
PLT CWL TOP PNL OPG	UNITED STATES	0.00%
BRKT-WIR CONN	UNITED STATES	0.00%
BOLT-MAIN CNTRL/ACCMLT TO CASE	UNITED STATES	0.00%
WASHER-FWD CLT HUB	UNITED STATES	0.00%
BOLT M8X1.25X37 HEX FLNG PIL 10	UNITED STATES	0.00%
NUT&WSHR ASSY M12X1.75 HEX P/T	UNITED STATES	0.00%
BRKT-A/C EVP SUPT	UNITED STATES	0.00%
RETAINER 14MM BH STL	UNITED STATES	0.00%
STD-CRSHFT MN BR CAP-HOLE #419	UNITED STATES	0.00%
WASHER-CAM SPROCKET	UNITED STATES	0.00%
CIBA EPOXY-HARDENER-COP	UNITED STATES	0.00%
BOLT M8X16 HF 010	UNITED STATES	0.00%
NUT U SPG M8 0.8-4.0 P/T	UNITED STATES	0.00%
WT WHL BAL(CP 20G)	UNITED STATES	0.00%
TERMINAL-PRIMARY (IGNITION)	UNITED STATES	0.00%
HOSE CLAMP SPRING 14X12 POC	UNITED STATES	0.00%
SCREW M10X30.6 HEX WASHER HEAD TR	UNITED STATES	0.00%
SCR/WSHR 8A528 TO 8501 E130W	UNITED STATES	0.00%
CVR-FU/VPR STRG CNSTR	UNITED STATES	0.00%
PLUG- PIPE C/HD MACH 6049/6050	UNITED STATES	0.00%
BOLT/WAS- 9F792 TO INT	UNITED STATES	0.00%
PIN-WHEEL DISK LOCATOR	UNITED STATES	0.00%
PLT FRT DR WDO REG HNDL	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
FEED BOLT-CENTER SUPPORT	UNITED STATES	0.00%
BOLT-M10 X 1.5 X 35 HEX FLG HD	UNITED STATES	0.00%
WHITE PLASTIC RETAINER CLIP	UNITED STATES	0.00%
RING-OVERDRIVE CLT RETAINING	UNITED STATES	0.00%
SCREW M6X18 HF PTC SERR 010	UNITED STATES	0.00%
SCR M10 X 20 HEX WASH HD TR	UNITED STATES	0.00%
2 PART ADHESIVE (CATALYST)	UNITED STATES	0.00%
ADJ FRT SUSP UPR LT BLUE	UNITED STATES	0.00%
WT WHL BAL(CP 35G)	UNITED STATES	0.00%
PLATE-VEH IDENT	UNITED STATES	0.00%
SCR/WSHR 9E822 TO 9424 D029R	UNITED STATES	0.00%
NUT M12 HF PTP 10	UNITED STATES	0.00%
WASHER-6316 DMPR TO 6303 D115	UNITED STATES	0.00%
CLAMP-HOSE	UNITED STATES	0.00%
PLUG-PIPE 3/8 D115 E440	UNITED STATES	0.00%
BOLT-M12X1.75X60.0 HEX FLNG HEAD	UNITED STATES	0.00%
PLUG BUTTON 32.0 DIA	UNITED STATES	0.00%
SE DR HGE ON BDY REINF	UNITED STATES	0.00%
KEY-6306/16 TO 6303 :6303-OP10	UNITED STATES	0.00%
TAPE-ADHESIVE/RUNNING BRD	UNITED STATES	0.00%
WT WHL BAL(CP 25G)	UNITED STATES	0.00%
BOLT-6316 DAMPER TO 6303 D115	UNITED STATES	0.00%
ORIFICE-TRANS FILTER	UNITED STATES	0.00%
NUT - 3/8 - 24 HEX LOCK	UNITED STATES	0.00%
WT WHL BAL(CP 30G)	UNITED STATES	0.00%
BOLT&WSHR M8X22 HX CTP CON 8	UNITED STATES	0.00%
SPCR ASY W/SHLD GL LWR	UNITED STATES	0.00%
INSERT C/HEAD-LH V8/V10	UNITED STATES	0.00%
REACTOR BAND	UNITED STATES	0.00%
NUT M8 HF PTM 10	UNITED STATES	0.00%
RIVET 6.3X19.0 BLIND PUSH	UNITED STATES	0.00%
NUT&RET 7/16-14 U LOCK	UNITED STATES	0.00%
3M PART # 5047 /EPOXY RESIN(BASE)	UNITED STATES	0.00%
SE FRT FLR PAN	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0	UNITED STATES	0.00%
NUT & WASHER M8 HEX CONL BRASS	UNITED STATES	0.00%
WT WHL BAL(CP 15G)	UNITED STATES	0.00%
BLT/WSHR-19A216 TO 6C086 E555	UNITED STATES	0.00%
STUD M6X1/6.3X1.81X54 HEX WSHR PIL	UNITED STATES	0.00%
BOLT M6X16 HF PIL (LONGER)	UNITED STATES	0.00%
NUT&WASH M6X1.0 HEX	UNITED STATES	0.00%
SCREW-PARK ROD GUIDE PLATE	UNITED STATES	0.00%
SCR&WASH-M7.24X1.59X20.50PAN HD TA	UNITED STATES	0.00%
SCREW M10X20 HF 010	UNITED STATES	0.00%
SCREW M10X20 HF 010	UNITED STATES	0.00%
CLIP-RADIATOR HOSE	UNITED STATES	0.00%
NUT M12 HF 10	UNITED STATES	0.00%
WT WHL BAL(CP 40G)	UNITED STATES	0.00%
STUD BOLT-EXTENSION	UNITED STATES	0.00%
MAGNET - OIL PAN	UNITED STATES	0.00%
ADJ FRT SUSP UPR ORANGE/WHITE	UNITED STATES	0.00%
SHORT BOLT-SOLENOID BODY TO CASE	UNITED STATES	0.00%
SCR&WASH M6X1X20 HEX HD PIL 9	UNITED STATES	0.00%
NUT&WASHER M8X1.25 HEX P/T	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
SCREW 6.3X32 HF C TAP	UNITED STATES	0.00%
VISOR ARM CLIP (FLINT)	UNITED STATES	0.00%
PIPE PLUG - CASE	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0 P/T	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0 P/TTRG	UNITED STATES	0.00%
BOLT-MODULAR STRAP (BLUE)	UNITED STATES	0.00%
LABEL-INCOMPLETE VEHICLE	UNITED STATES	0.00%
BOLT&WSHR M6X25 HF PIL FL 8	UNITED STATES	0.00%
NUT & WASHER - M6 X 1.0 HEX P/T	UNITED STATES	0.00%
SCREW&WSHR M6X35 HX CON 010	UNITED STATES	0.00%
SCREW&WSHR M6X1X27.5 HEX HD PLT	UNITED STATES	0.00%
CLP-TRANS CONTR SEL CA RET	UNITED STATES	0.00%
NUT M12 HF PTM 10	UNITED STATES	0.00%
HARD INNER RACE- 1"	UNITED STATES	0.00%
NUT M8 X 1.25 U P/T	UNITED STATES	0.00%
RIVET PUSH PIN 6.5X7-9.5 PLA	UNITED STATES	0.00%
PLUG BUTTON 27MM DIA	UNITED STATES	0.00%
RESIN HOODS	UNITED STATES	0.00%
NUT M6X1.0 PRC/FABRI STEEL	UNITED STATES	0.00%
NUT M8 RETAINER PUSH ON	UNITED STATES	0.00%
WT WHL BAL(CP 50G)	UNITED STATES	0.00%
BOLT M8X35 HF PIL 8	UNITED STATES	0.00%
BOLT M8X16 HF 010	UNITED STATES	0.00%
NUT - 3/8 - 16 HEX - LOCK	UNITED STATES	0.00%
NUT M12X1.75 HEX FLG LOCK P/T 10	UNITED STATES	0.00%
BOLT M6X1.0X32.5 HEX FLNG PIL 9	UNITED STATES	0.00%
RING-172.5 RET.INT.STYLE"2"	UNITED STATES	0.00%
WT WHL BAL(CP 45G)	UNITED STATES	0.00%
RETAINING RING-HUB & RING GEAR	UNITED STATES	0.00%
RETAINER RING-INPUT SHELL	UNITED STATES	0.00%
SCREW M8X1.25X19 HEX WSHR HD TAP	UNITED STATES	0.00%
SCR&WASH M6X1X25 HEX HD PIL 9	UNITED STATES	0.00%
SCR&WASH M6X1X25 HEX HD PIL 9	UNITED STATES	0.00%
SCR&WASH M6X1X25 HEX HD PIL 9	UNITED STATES	0.00%
SCR 6.3 X 10.0 HEX WASH HD TAP	UNITED STATES	0.00%
WSHR-SPDL OTR BRG RET	UNITED STATES	0.00%
RING - COAST CLT SPRING RETAINER	UNITED STATES	0.00%
BZL-HOD LAT CA OPG LH	UNITED STATES	0.00%
LAT ASY HOS TO TUB TRANS OIL COOL	UNITED STATES	0.00%
SNAP RING-STATOR REACTOR	UNITED STATES	0.00%
STUD M8X30+M8X16 HF PIL SHLDR 8	UNITED STATES	0.00%
BOLT M6X8.2 PC TI CTP ADH 10	UNITED STATES	0.00%
SCR&WASH M6X1.0X18.5 HEX HD PIL 9	UNITED STATES	0.00%
SCREW 4.2X19 HC PIL TAP SERR	UNITED STATES	0.00%
SCREW 4.2X19 HC PIL TAP SERR	UNITED STATES	0.00%
CTNR-LIC PLT HDW	UNITED STATES	0.00%
BOLT M8X30 HF PIL 8	UNITED STATES	0.00%
DECAL ENG EXH EMS IDENT	UNITED STATES	0.00%
PLUG BUTTON-19.0X25.0 OBLONG	UNITED STATES	0.00%
NUT-M10X1.50 WELD ROUND	UNITED STATES	0.00%
SCREW&WSHR M8X22 HF PIL CON 010	UNITED STATES	0.00%
STUD&WASHER M6 X 1 X 1 X 45.6 HEX	UNITED STATES	0.00%
TRIM PIN 5.2X1.7-10 NYL	UNITED STATES	0.00%
SCREW M6X1X30 HEX FLNG T/R	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
CAP .38 ID PROTECTOR	UNITED STATES	0.00%
CAP .38 ID PROTECTOR	UNITED STATES	0.00%
ADHESIVE, HARDENER	UNITED STATES	0.00%
SCREW&WSHR M6X1X24 HEX HEAD PIL	UNITED STATES	0.00%
NUT & WASHER M8 X 1.25 HEX	UNITED STATES	0.00%
PLUG - LUBRICATION	UNITED STATES	0.00%
CLIP 1/2 RETAINING RECT EXT	UNITED STATES	0.00%
CAP ASY-A/C CHARGING VALVE	UNITED STATES	0.00%
PLUG -PIPE C/HEAD: HOLES 130,450	UNITED STATES	0.00%
SCREW 4.2X1.4X19 PC PZ C	UNITED STATES	0.00%
SCREW M8X20 HF 010	UNITED STATES	0.00%
SCREW M8X20 HF 010	UNITED STATES	0.00%
SCREW & WASHER M8 X 1.25 X 59 HEX	UNITED STATES	0.00%
SNAP RING-O/DRV RING GEAR	UNITED STATES	0.00%
WT WHL BAL(CP 55G)	UNITED STATES	0.00%
SCR-M6 X1.00X16 HEX WASH TAP	UNITED STATES	0.00%
PLUG BUTTON 3/4 DIA	UNITED STATES	0.00%
BOLT 3/8-16X.88 HEX FLG HD 5	UNITED STATES	0.00%
WIRE-SILICON BRONZE BRAZING	UNITED STATES	0.00%
SC CNSTR FU/VPR TO BRKT	UNITED STATES	0.00%
CLIP-PLASTIC	UNITED STATES	0.00%
BUTYL RUBBER SEALER ADHESIVE MASTI	UNITED STATES	0.00%
5R110 SNAP RING .067"- END STYLE 2	UNITED STATES	0.00%
SEAL-0.556 X 0.103 "O" RING	UNITED STATES	0.00%
CVR RR ST SHLDR STRP GID	UNITED STATES	0.00%
COVER-IGNITION COIL	UNITED STATES	0.00%
CONNECTOR CAP-WHITE BULKHEAD	UNITED STATES	0.00%
CLIP/WHITE PLASTIC PWR STRNG LINE	UNITED STATES	0.00%
SCR #8-18X1.00 RD WASH HD TAP	UNITED STATES	0.00%
SCREW M6X25 HF 010	UNITED STATES	0.00%
SCREW M6X25 HF 010	UNITED STATES	0.00%
PIN ASY-TRANS GR SH LVR	UNITED STATES	0.00%
SCR M8 X1.25X16 HEX WASH TAP	UNITED STATES	0.00%
BLACK PLASTIC PUSH PIN 6.4 X 20.4	UNITED STATES	0.00%
SCREW&WSHR M6X20 HF GND SPL 010	UNITED STATES	0.00%
LABEL-ENGINE CODE INFO D063	UNITED STATES	0.00%
SCREW M10X1.5X21.8 PAN HEAD PILOT	UNITED STATES	0.00%
NUT & WASH - M8 X 1.25 HEX P/C	UNITED STATES	0.00%
BRKT-FRT FNDR MTNG RR LWR RH	UNITED STATES	0.00%
BRKT-FRT FNDR MTNG RR LWR LH	UNITED STATES	0.00%
SCREW 4X20 HC TFP TH	UNITED STATES	0.00%
NUT U SPG M6-0.8-4.0	UNITED STATES	0.00%
W/SHIELD WSHR FLUID / METHANOL	UNITED STATES	0.00%
SCREW&WSHR M6.3X1.81X19 HEX TAP	UNITED STATES	0.00%
SCREW M8X30 HEX FLNG PNT CLR T/R	UNITED STATES	0.00%
NUT M8 HF PTM 10	UNITED STATES	0.00%
NUT M6 HF PTC SERR	UNITED STATES	0.00%
WHEEL/TIRE ASY LUBE	UNITED STATES	0.00%
BOLT 6621 TO 6010 A139	UNITED STATES	0.00%
NUT & WASH M6 X 1.0 HEX	UNITED STATES	0.00%
SCREW M8X25 HF 010	UNITED STATES	0.00%
NUT M6 X 1.0 HEX LOCK P/T 9	UNITED STATES	0.00%
PLUG PIPE C/HEAD #508/608 C122E	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0 P/T	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
ADHESIVE EPOXY WELDABLE, THERMAL C	UNITED STATES	0.00%
WHITE LASER TAG-TRANS IDENT.	UNITED STATES	0.00%
CVR DR TR PNL RET	UNITED STATES	0.00%
BOLT&RET M6X1X16 WAF HD	UNITED STATES	0.00%
RETAINING RING-HUB & RING GEAR	UNITED STATES	0.00%
DECAL AUX BATTERY INSTRUCT-FRENCH	UNITED STATES	0.00%
SNAP RING-STATOR REACTOR	UNITED STATES	0.00%
NUT M8 HF 8	UNITED STATES	0.00%
PIN SPLT COT 3.2X36 SPL	UNITED STATES	0.00%
BRG CSHAFT MAIN UPPER GRADE 3 10%	UNITED STATES	0.00%
SEAL O-RING 8594 TO 9424 D027E	UNITED STATES	0.00%
WELDING ELECTRODE UNCOATED	UNITED STATES	0.00%
NUT&WSHR M6 HX PTC FL 8	UNITED STATES	0.00%
WT WHL BAL(CP 60G)	UNITED STATES	0.00%
SCREW (BLACK) 4.2X16 TAP HEX FLNG	UNITED STATES	0.00%
SCR&WASH M4X0.7X17.5 HEX HD PIL 9	UNITED STATES	0.00%
SEALER PATCH - EXPANDABLE	UNITED STATES	0.00%
BOLT M8X25 HF NP 10	UNITED STATES	0.00%
SCR&WASH M6X1X20 HEX HD PIL 9	UNITED STATES	0.00%
SCR&WASH M6X1X20 HEX HD PIL 9	UNITED STATES	0.00%
SCR&WASH M6X1X20 HEX HD PIL 9	UNITED STATES	0.00%
SCREW 6.3X12.5 HF TAP SPL	UNITED STATES	0.00%
SCR&WASH M6X1.0X22.5 HX PILOT 9	UNITED STATES	0.00%
BRG CSHAFT MAIN LOWER GRADE 3 10%	UNITED STATES	0.00%
BOLT-MULTI USE(SEE BELOW)D155/C124	UNITED STATES	0.00%
SCREW 4.8X1.59X19 HC TFP	UNITED STATES	0.00%
NUT M8 WELD (W/ COPPER COATING)	UNITED STATES	0.00%
PLUG BUTTON .25 DIA	UNITED STATES	0.00%
WASH FRT PMP SPT BLACK	UNITED STATES	0.00%
PIN 6.35X11.0 PUSH NYLON	UNITED STATES	0.00%
40X1.46X12 TORX PAN SCREW	UNITED STATES	0.00%
PLUG BUTTON 1.00 DIA	UNITED STATES	0.00%
SCR & WASH M6X1X16 HEX HD PIL 9	UNITED STATES	0.00%
BOLT-TSS & OSS	UNITED STATES	0.00%
BOLT&WSHR M6X18 HX PIL CON ADH 8	UNITED STATES	0.00%
RET SPG 9/16 DRILLED SHAFT	UNITED STATES	0.00%
PLUG BUTTON .88 DIA	UNITED STATES	0.00%
BOLT M8X16 HF 010	UNITED STATES	0.00%
PLUG BUTTON 1.75X.75 OBLONG	UNITED STATES	0.00%
NUT&WASH M6X1.0 HEX	UNITED STATES	0.00%
SCREW-PARK ABUTMENT	UNITED STATES	0.00%
SCREW 4.8X16 HC HI/LO SERR	UNITED STATES	0.00%
SCREW M4.2X1.41X25 HEX WSHR HD TAP	UNITED STATES	0.00%
PIN 4.75MMX12.2 PUSH NYLON	UNITED STATES	0.00%
NUT&WASHER M8X1.25 HEX SERR	UNITED STATES	0.00%
SCR&WASH M6X1X25 HEX HD PIL 9	UNITED STATES	0.00%
SCR&WASH M6X1X25 HEX HD PIL 9	UNITED STATES	0.00%
SCREW M8X14 HF 010	UNITED STATES	0.00%
DOOR CORNER PROTECTOR - BLACK VNYL	UNITED STATES	0.00%
NUT & WASHER - M6 X 1.0 HEX	UNITED STATES	0.00%
SCR & WASH M6 X 1.0 X 14 HEX HD	UNITED STATES	0.00%
SCR&WASH M8X1.25X19.HEX HD PLT 9	UNITED STATES	0.00%
SE DR HGE ON BDY REINF	UNITED STATES	0.00%
PIN SPLT COT 3.2X36 SPL	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
CLIP 7.11 WRAPAROUND PUSH-IN(3POS)	UNITED STATES	0.00%
RET-BRK PDL	UNITED STATES	0.00%
SCR 4.2 X 19 OVAL HD TAP	UNITED STATES	0.00%
PLUG BUTTON 38.0MM DIA	UNITED STATES	0.00%
SCREW M6X14 HF GRD 010	UNITED STATES	0.00%
RING-OVERDRIVE CLT RETAINING	UNITED STATES	0.00%
DECAL-VEH NSE EMS CONTR	UNITED STATES	0.00%
DOOR PROTECTOR - FOAM BLOCK/WHITE	UNITED STATES	0.00%
SCR&WASH M6X1X20 HEX HD PIL 9	UNITED STATES	0.00%
PETROLATUM-IND 5LB CANS A075	UNITED STATES	0.00%
NUT M6 X 1.00 U LOCK	UNITED STATES	0.00%
SCREW M8X20 HF 010	UNITED STATES	0.00%
BOLT&WSHR M6X12 HX NP CON 8	UNITED STATES	0.00%
BOLT-6622 TO N806180-S B75,77	UNITED STATES	0.00%
BOLT&WSHR M6X20 HX PIL 8	UNITED STATES	0.00%
WT WHL BAL(CP 65G)	UNITED STATES	0.00%
TAG-EXH SYS TEMP CAUTION	UNITED STATES	0.00%
BOLT-CH/GUIDE-RH TO 6049 C122	UNITED STATES	0.00%
WASH 7/8 HELICAL SPG LK QR	UNITED STATES	0.00%
NUT WELD THDLS 8 RD PIL 8	UNITED STATES	0.00%
TUBE-VENT-NYLON	UNITED STATES	0.00%
BOLT&WASHER M6X16 HEX HD CONL NP 8	UNITED STATES	0.00%
NUT - M8 X 1.25 HEX FLG	UNITED STATES	0.00%
BOLT M8X25 HF PIL 8	UNITED STATES	0.00%
NUT RETAINER, 3/4 OCT COTTER PIN	UNITED STATES	0.00%
STRAP-82MM BUNDLING ADJUSTABLE	UNITED STATES	0.00%
5R110 SNAP RING .076"-END STYLE 3	UNITED STATES	0.00%
NUT & WSHR-M6X1.0 HEX (PAINT CUT)	UNITED STATES	0.00%
DOOR EDGE GUARD 14" CLEAR PLASTIC	UNITED STATES	0.00%
NUT&WASH M6X1.0 HEX	UNITED STATES	0.00%
NUT U SPG M6-0.8-4.0	UNITED STATES	0.00%
SCREW M6X18 HF PTC SERR 010	UNITED STATES	0.00%
COOLER CONNECTOR CAP-GREEN OIL	UNITED STATES	0.00%
SCREW&WSHR M6.3X1.81X19 HEX TAP	UNITED STATES	0.00%
SCREW&WSHR M6.3X1.81X19 HEX TAP	UNITED STATES	0.00%
BOLT-6621 & 6B274 TO 6010 C122	UNITED STATES	0.00%
SE CWL TOP INR TO CWL SD LH	UNITED STATES	0.00%
GREASE, ELECTRICAL	UNITED STATES	0.00%
NUT & WASH M6 X 1.0 HEX	UNITED STATES	0.00%
PLUG BUTTON .75X1.00 OBLONG	UNITED STATES	0.00%
NUT&WSHR M8 HX CON 8	UNITED STATES	0.00%
WT WHL BAL(CP 70G)	UNITED STATES	0.00%
CVR-DR TR PNL RET (FLINT)	UNITED STATES	0.00%
NUT-6884 TO RR 6010 C029	UNITED STATES	0.00%
FTG-TRANS SH ACTU CA	UNITED STATES	0.00%
BOLT-TRS & TSS/OSS	UNITED STATES	0.00%
SCR&WASH M6X1X20 HEX HD PIL 9	UNITED STATES	0.00%
SURFACTANT,CLR,LUB,RBR HOSE & TUB	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0 P/T	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0 P/T	UNITED STATES	0.00%
NUT U SPG M6 0.8-4.0 P/T	UNITED STATES	0.00%
BOLT M8X20 HF PIL ADH 8	UNITED STATES	0.00%
SCREW 4.8X1.59X19 HC TFP	UNITED STATES	0.00%
PLUG BUTTON 3/4 DIA	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
NUT 4.2-6.8X20X0.8-4 SQ PUSH IN	UNITED STATES	0.00%
SCREW M6.3X1.81X16.0 HEX WASH TAP	UNITED STATES	0.00%
PIN 0.250 X 1.22 PUSH NYLON	UNITED STATES	0.00%
SPRING-PARK PAWL	UNITED STATES	0.00%
RING DIR CL PST RET	UNITED STATES	0.00%
CAP-CONVERTER HUB PAPER	UNITED STATES	0.00%
BOLT&WSHR M6X16 HX PIL CON 8	UNITED STATES	0.00%
SCR-M4.2X1.41X16 HEX WSHR HD TAP	UNITED STATES	0.00%
SCR&WASH 5/16-18X.62 HEX HD	UNITED STATES	0.00%
SCR #8-18X1.00 PAN HD TAP	UNITED STATES	0.00%
SCREW&WSHR 4.2X1.41X13 HEX HD TAP	UNITED STATES	0.00%
SCR-4.2X1.41X19 HEX FLNG TAP	UNITED STATES	0.00%
BLACK PLASTIC PUSH PIN 6.4 X 20.4	UNITED STATES	0.00%
RIVET 6.3X19.0 BLIND PUSH	UNITED STATES	0.00%
SPEED SENSOR CAP-BLUE TSS/ISS	UNITED STATES	0.00%
NUT-SHIPPING	UNITED STATES	0.00%
BRG CSHAFT MN INTERM UPR #1 10%	UNITED STATES	0.00%
PUSH PIN 8.5X4.5-7 NYLON BLACK	UNITED STATES	0.00%
SPEED SENSOR CAP-GREEN OSS	UNITED STATES	0.00%
NUT & WASH M6 X 1.0 HEX GREY	UNITED STATES	0.00%
NUT M8 BOLT RETAINER PUSH ON	UNITED STATES	0.00%
BOLT M6X1.0X22 WELD	UNITED STATES	0.00%
CLIP 5/16 WIRHRNS PUSH IN	UNITED STATES	0.00%
WT WHL BAL(CP 75G)	UNITED STATES	0.00%
DECAL-DEW JAG, CARB CAN, & ALT	UNITED STATES	0.00%
LBL-FU TNK IDENT	UNITED STATES	0.00%
SOLDER STICKS	UNITED STATES	0.00%
WT WHL BAL(CP 90G)	UNITED STATES	0.00%
NUT-M6 RND PROJECTION WELD	UNITED STATES	0.00%
ORANGE CAP- OIL FILL CAP	UNITED STATES	0.00%
LBL-FU TNK IDENT	UNITED STATES	0.00%
BAL WEIGHT-.071 X .937 WIDE @ 58KG	UNITED STATES	0.00%
WT WHL BAL(CP 85G)	UNITED STATES	0.00%
WT WHL BAL(CP 80G)	UNITED STATES	0.00%
SCR-#8-18X.62 PAN HD TAP	UNITED STATES	0.00%
SCREW - #8-32 X 0.62 OVAL HD T/R	UNITED STATES	0.00%
RIVET 1/8X.25 BLIND SPL HD	UNITED STATES	0.00%
SE CWL TOP INR PNL TO CWL SD PNL	UNITED STATES	0.00%
NUT-TAG IDENTIFICATION	UNITED STATES	0.00%
SCR #8-18 RD WASH HD TAPP	UNITED STATES	0.00%
BALANCE WGT .029X.560 WIDE @ 52KG	UNITED STATES	0.00%
PLUG BUTTON .25 DIA	UNITED STATES	0.00%
SOLDER PASTE TIN BASED	UNITED STATES	0.00%
4.6/5.4L EFI DECAL-GENERAL TAPE	UNITED STATES	0.00%
BLACK PLASTIC PUSH PIN 6.4 X 20.4	UNITED STATES	0.00%
BLACK PLASTIC PUSH PIN 6.4 X 20.4	UNITED STATES	0.00%
BLACK PLASTIC PUSH PIN 6.4 X 20.4	UNITED STATES	0.00%
ADJ-FRT SUSP UPR RED	UNITED STATES	0.00%
ADJ-FRT SUSP UPR WHITE	UNITED STATES	0.00%
ADJ-FRT SUSP UPR BLUE/GREEN	UNITED STATES	0.00%
ADJ-FRT SUSP UPR GRAY/PINK	UNITED STATES	0.00%
ADJ FRT SUSP UPR GRAY	UNITED STATES	0.00%
ADJ FRT SUSP UPR ORANGE	UNITED STATES	0.00%
ADJ FRT SUSP UPR YELLOW	UNITED STATES	0.00%

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
ADJ FRT SUSP UPR YELLOW/RED	UNITED STATES	0.00%
ADJ FRT SUSP UPR ORANGE/YELLOW	UNITED STATES	0.00%
ADJ-FRT SUSP UPR NO-PAINT	UNITED STATES	0.00%
ADJ-FRT SUSP UPR PINK/RED	UNITED STATES	0.00%
ADJ-FRT SUSP UPR BLACK/YELLOW	UNITED STATES	0.00%
ADJ-FRT SUSP UPR YELLOW/WHITE	UNITED STATES	0.00%
ADJ-FRT SUSP UPR PINK/WHITE	UNITED STATES	0.00%
ADJ-FRT SUSP UPR GREEN	UNITED STATES	0.00%
ADJ-FRT SUSP UPR GREEN/RED	UNITED STATES	0.00%
SCR #8-18 RD WASH HD TAPP	UNITED STATES	0.00%
TAPE - 1" WATER RESISTANT BLACK	UNITED STATES	0.00%
SPCR-BRK MSTR CYL P/ROD	UNITED STATES	0.00%
BLACK PLASTIC PUSH PIN 6.4 X 20.4	UNITED STATES	0.00%
LUB-SYN RBR 1# JARS TOX#044089	UNITED STATES	0.00%
WELDWIRE-REACTOR BAND.035 DIA @30#	UNITED STATES	0.00%
5R110 SNAP RING .085"-END STYLE 1	UNITED STATES	0.00%
5R110 SNAP RING .058"-END STYLE 5	UNITED STATES	0.00%
ENG OIL - SAE 5W-20 / GF-5	UNITED STATES	0.00%
ADJ-FRT SUSP UPR NO-PAINT	UNITED STATES	0.00%
ADJ-FRT SUSP UPR BL JT CMBR	UNITED STATES	0.00%
ADJ-FRT SUSP UPR RED/BLUE	UNITED STATES	0.00%
ADJ-FRT SUSP UPR LT BLUE/ORANGE	UNITED STATES	0.00%
ADJ-FRT SUSP UPR LT BLUE/BLACK	UNITED STATES	0.00%
ADJ-FRT SUSP UPR LT BLUE/RED	UNITED STATES	0.00%
ADJ-FRT SUSP UPR PINK/ORANGE	UNITED STATES	0.00%
ADJ-FRT SUSP UPR PINK/BLACK	UNITED STATES	0.00%
ADJ-FRT SUSP UPR PINK/BLUE	UNITED STATES	0.00%
ADJ-FRT SUSP UPR NO PAINT	UNITED STATES	0.00%
ADJ-FRT SUSP UPR BLUE/GRAY	UNITED STATES	0.00%
ADJ-FRT SUSP UPR GREEN/WHITE	UNITED STATES	0.00%
ADJ-FRT SUSP UPR BL/JT CMBR	UNITED STATES	0.00%
ADJ FRT SUSP UPR BL/JT CMBR	UNITED STATES	0.00%
ADJ FRT SUSP UPR BL/JT CMBR	UNITED STATES	0.00%
ADJ FRT SUSP UPR ORANGE/GRAY	UNITED STATES	0.00%
ADJ FRT SUSP UPR PINK	UNITED STATES	0.00%
ADJ-FRT SUSP UPR BL JT CMBR	UNITED STATES	0.00%
ADJ-FRT SUSP UPR LT BLUE/GREEN	UNITED STATES	0.00%
ADJ-FRT SUSP UPR LT BLUE/WHITE	UNITED STATES	0.00%
BLACK NYLON STRAP	UNITED STATES	0.00%
WT WHL BAL	UNITED STATES	0.00%
ONE-STEP W/SHLD CLEANER/PRIMER	UNITED STATES	0.00%
RADIATOR ASY - 6.8L GAS	UNITED STATES	0.00%
RING-FWD/DIRECT CLT RETAINING	UNITED STATES	0.00%
LUB-SURFACTANT(MERPOL)E190/230	UNITED STATES	0.00%
BRG CSHAFT MN INTERM UPR #3 10%	UNITED STATES	0.00%
US Vehicle Content		88.58%

Foreign Vehicle Content	11.42%
US Vehicle Content	88.58%
Total Vehicle Content	100.00%

Assumptions

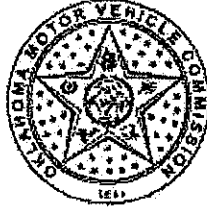
- * Non-Ford manufacturing facilities are noted.
- * Percentages include prorated direct assembly labour, engineering costs, overhead, other costs, and profit.

Privileged and Confidential
Ford Automotive Operations
US CONTENT FOR THE 2014
E-Series_450-BASE-158"-CUTA-

Part Description	Manf. Country	% Content of Total Vehicle
* Component material costs based on 2014 Bill of Material.		
* Costs are for vehicles pertaining to Ford Commercial Truck request. Content for other E-Series . vehicles could be different.		
* E350 vehicles are assembled at Ohio plant, USA		

This document may contain confidential business information. It is being supplied with the understanding that it will not be released to third parties, and that it will be used solely for the purpose of complying with the Buy America requirements of federal law or other applicable content requirements.

OKLAHOMA MOTOR VEHICLE COMMISSION



Certificate of License

282

THE OKLAHOMA MOTOR VEHICLE COMMISSION
has licensed

NATIONAL BUS SALES & LEASING, INC.
800 PICKENS DRIVE EXTENSION
MARIETTA, GEORGIA 30062

AS AN AUTHORIZED
Distributor

And is responsible for the management of its operations and
personnel as provided by the laws of the State of Oklahoma.

IN TESTIMONY WHEREOF WE SET OUR HAND AND CAUSE TO BE AFFIXED

THE SEAL OF THE

OKLAHOMA MOTOR VEHICLE COMMISSION

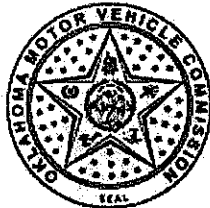
Richard Reynolds
Chairperson

Roy K Dockum
Executive Director

Issue Date: 06/13/2013

Expires: 06/30/2014

OKLAHOMA MOTOR VEHICLE COMMISSION



Certificate of License

526

THE OKLAHOMA MOTOR VEHICLE COMMISSION
has licensed

FOREST RIVER MANUFACTURING LLC

55470 C.R. 1

ELKHART, INDIANA 46515

AS AN AUTHORIZED

Manufacturer

And is responsible for the management of its operations and
personnel as provided by the laws of the State of Oklahoma.

IN TESTIMONY WHEREOF WE SET OUR HAND AND CAUSE TO BE AFFIXED

THE SEAL OF THE

OKLAHOMA MOTOR VEHICLE COMMISSION

R. L. Reynolds

Chairperson

Roy K Dockum

Executive Director

Issue Date: 05/14/2013

Expires: 06/30/2014