

Robert Bosch LLC Automotive (RBNA) Routing Guide for Freight Managed by Transfreight LLC

Excludes Robert Bosch Aftermarket Division – Contact Aftermarket Directly for Routing Instructions

Domestic Shipments – NAFTA Region

November, 2007

This Routing Guide Replaces All Previous Versions

1. Transportation Coordination

- 1.1 A limited number of suppliers will be required to contact Robert Bosch LLC's (Bosch's) 3rd Party Logistics Provider, Transfreight LLC (Transfreight), to coordinate standard transportation pick-ups. The majority of transportation coordination will be completed by Transfreight.
- 1.2 Transfreight will provide suppliers with Shipping Instructions via email and fax defining the following:
 - 1.2.1 Pick-up day(s) and time(s)
 - 1.2.2 Carrier
 - 1.2.3 General loading and unloading instructions
 - 1.2.3.1 In the event that a vendor is required to handle another Bosch supplier's freight they will contact Transfreight at (937) 576-2800.

2. Billing Address

- 2.1 **For freight managed by Transfreight (with the exception of UPS, FedEx, and DHL; please use address in item 2.2):**
 - Robert Bosch LLC. (*Include Bosch responsible plant*)
 - C/o Transfreight LLC
 - 125 Maplegrove Road
 - Cambridge, ON Canada N3H 4R7
- 2.2 **All other freight (i.e. UPS, FedEx, Panalpina, etc.)**
 - Robert Bosch LLC. (*Include Bosch responsible plant*)
 - C/o IPS World Wide
 - P.O. Box 730321
 - Ormond Beach, FL 32173

3. Order/Pick-up Logic

- 3.1 Bosch will provide Transfreight on a weekly basis its Supplier 830 releases. Transfreight will use the release data to complete the following:
 - 3.1.1 Establish a pick up schedule
 - 3.1.2 Build optimized delivery routes

- 3.2 Transfreight will be provided Bosch relevant SupplyOn ICH/DCM data (where applicable). SupplyOn ICH/DCM data will be used by Transfreight to establish pick-up quantities the day of pick-up.
- 3.3 Suppliers shipping parts that are not processed through SupplyOn ICH/DCM will follow the below guidelines:
 - 3.3.1 A Supplier receiving an 830/Web EDI forecast for production parts will ship per the 830/WebEDI release. When the 830/WebEDI release changes to a zero quantity on the day of pick-up the supplier must contact Transfreight to cancel a pick-up.
 - 3.3.2 Suppliers being requested to ship non-productive parts (i.e. MRO or prototypes) need coordinate pick-up through one of two manners:
 - 3.3.2.1 Shipments less than 150 lbs. please contact UPS
 - 3.3.2.2 For Shipments greater than or equal to 150 lbs. contact Transfreight for pick-up.
(937) 576-2800
Transfreight will require the following information to set-up your delivery:
 - 3.3.2.2.1 Bosch Contact Requiring Shipment
 - 3.3.2.2.2 Origin – Supplier Code
 - 3.3.2.2.3 Destination – Plant Code
 - 3.3.2.2.4 Part Number (where available)
 - 3.3.2.2.5 Description
 - 3.3.2.2.6 Quantity
 - 3.3.2.2.7 Shipping Dimensions
 - 3.3.2.2.8 Shipping Weight
 - 3.3.2.2.9 Ready Time
 - 3.3.2.2.10 Delivery Date and Time Required
 - 3.3.2.2.11 Supplier Contact

4. Premium Transportation

4.1 All premium transportation moves are required to be coordinated through Transfreight via one of two methods:

4.1.1 Phone –

Transfreight

Dayton, OH 45371

US – (866) 515-6388

Mexico – (937) 576-2800

4.1.2 Web-interface – TBD

4.1.3 **Required Information for a Premium Transportation Move**

4.1.3.1 Bosch Deviation from Normal Transportation (DNT) Number

4.1.3.1.1 Anderson – Premium Freight Authorization Number (PFAN)

4.1.3.1.2 Toluca – ZFreight Authorization Number

4.1.3.2 Origin – Supplier Code

4.1.3.3 Destination – Plant Code

4.1.3.4 Part Number

4.1.3.5 Quantity

4.1.3.6 Shipping Dimensions

4.1.3.7 Shipping Weight

4.1.3.8 Ready Time

4.1.3.9 Delivery Date and Time Required

4.1.3.10 Supplier Contact

4.2 Please communicate any special shipping or pick-up instructions prior to pick-up (i.e. hazmat, non-standard pick-up location, etc.)

5. Supplier Compliance – Suppliers will comply to the following guidelines:

5.1 Adherence to Bosch/Transfreight Shipping Instructions

5.2 Adherence to Bosch/Transfreight trailer load and unload procedure(s)

5.3 Adherence to shipping Bosch ordered quantities

5.4 Adherence to shipping window times

5.5 Follow Transfreight Routing Specs to designated location prior to plant delivery for the following shipments.

5.5.1 From Canada or United States bound for Mexico

5.5.2 From Mexico bound for Canada or United States

5.6 Traffic Related Communication

5.6.1 Supplier to Transfreight – Phone or Email to communicate adjustment/recommended changes to transportation.

5.6.2 Transfreight to supplier – Route Specs that will identify changes to shipping structure.

- 5.6.3 Bosch to Transfreight – Communication outside of normal 830 releases, WebEDI, ICH, etc. should be completed via phone and email to communicate adjustment/recommended changes to transportation.
- 5.7 All Suppliers are required to send an Advanced Shipment Notification (ASN) within 30 minutes after a shipment leaves the dock for a Bosch destination. Following are the two methods available for suppliers to send ASN's to Bosch:
 - 5.7.1 856 Advice – Classical EDI (Bosch preferred)
 - 5.7.2 SupplyOn WebEDI – ASN interface via web portal
 - 5.7.3 At a minimum, contained within either of the above modes of communication must be:
 - 5.7.3.1 Part number(s) being shipped
 - 5.7.3.2 Quantity of each part number(s) being shipped
 - 5.7.3.3 Transfreight Order Number designated to a shipment (placed in the Pro Number field)
 - 5.7.3.4 For shipments to Bosch Mexico Plants – Customs Invoice Number
- 5.8 Packaging Requirements
 - 5.8.1 The Bosch Packaging Data Sheet is required to be completed in full and returned by all suppliers three weeks prior to the launch of a new part.
 - 5.8.2 These steps are imperative in ensuring Transfreight can build and maintain optimal shipping routes.
- 5.9 Handling of Another Bosch Suppliers Freight or Returnables
 - 5.9.1 Suppliers should not handle another supplier's freight.
 - 5.9.2 In the event that another supplier's freight must be handled or moved to distribute a trucks weight evenly or other, the supplier will contact Transfreight, via phone, to notify reason of handling.
Phone – (937) 576-2800
 - 5.9.3 Any damage to another supplier's material that can be traced to your company will be **at your company's cost**. Matters of this kind will be minimized as much as possible through the optimization process completed by Transfreight.
 - 5.9.4 Supplier may handle another supplier's returnables unless otherwise instructed by Bosch and/or Transfreight.

6. Supplier Issues and Escalation

- 6.1 Transfreight will be tracking and communicating supplier KPI's to Bosch regarding any non-compliance to the above guidelines.
- 6.2 In the event of non-compliance a supplier will be requested to complete corrective action(s) and reimburse Bosch for any expenses incurred as a result of the non-compliance.
- 6.3 As the result of continued non-compliance the following actions could be taken by Bosch to a supplier:
 - 6.3.1 Hold on all new business opportunities
 - 6.3.2 De-sourcing

7. Reporting Structure for Damage

- 7.1 If a supplier notices or causes any damage to Bosch material they will need to identify the part number and email Transfreight (bosch_logistics@transfreight.com).

8. Questions, Comments or Carrier Performance Problems

Contact Keith Schaecher, Manager of Corporate Logistics, 248-876-7109 or keith.schaecher@us.bosch.com

LOCATION ADDRESSES

<p>Bosch Aguascalientes – 8600 (Bosch Plant Code) Frenados Mexicanos Circuito Aguascalientes Norte Parque Industrial Valle De Aguascalientes Aguascalientes, AGS 20140</p> <p>Bosch Albion – 5880 c/o Monarch Receiving Warehouse 1712 Progress Drive Albion, IN 46701</p> <p>Bosch Anderson – 9820 4421 Highway 81 North Anderson, SC 29621</p> <p>Bosch Anderson – HTI – 9820 c/o HTI 2100 Welcome Rd Williamston, SC 29697</p> <p>Bosch Anderson – Tech Source – 9820 c/o Tech-Source Inc. 160 Alliance Blvd Williamston, S. C. 29697</p> <p>Bosch Charleston – MFC Dock – 9270 8101 Dorchester Rd. North Charleston, SC 29418</p> <p>Bosch Charleston – Key Logistics Solutions – 7100 c/o Key Logistics Solutions 4597 Appian Way North Charleston, SC 29420</p> <p>Bosch Clarksville – 0622 780 International Blvd. Clarksville, TN 37040</p> <p>Bosch Clarksville – JBM Warehouse – 0622 1136 Dunlop Lane Clarksville, TN 37040</p> <p>Bosch Gallatin – 0154 375 Belvedere Dr. Gallatin, TN 37066</p> <p>Bosch Johnson City – 0627 506 Twin Oaks Dr. Johnson City, TN 37601</p> <p>Bosch Juarez – 8640 Hnos. Escobar 6965 Cd. Juarez Chih.</p> <p>Bosch Juarez – El Paso Whse. – 8640 11970 Pellicano Dr. El Paso, TX 79936</p> <p>Bosch Laredo Warehouse – TBD 11302B Eastpointe Dr. Laredo, TX 78045</p> <p>Bosch San Luis Potosí – 6150 Robert Bosch Sistemas de Frenos, S.A. de C.V Eje Central SAHOP No. 245 Industrial Zone San Luis Potosí, México C.P. 78090</p>	<p>Bosch St. Joseph – 0290 3737 Red Arrow Highway St. Joseph, MI 49085</p> <p>Bosch St. Joseph – Southshore Whs. I – 0290 c/o Southshore Warehouse 3515 Lakeshore Dr. St. Joseph, MI 49085</p> <p>Bosch St. Joseph – Southshore Whs. II – 0290 c/o Southshore Warehouse 2024 Hawthorne Ave. St. Joseph, MI 49085</p> <p>Bosch Saltillo – 8610 Carretera Saltillo-Piedras Neg 25900 Ramos Arizpe, COA, MX</p> <p>Bosch Sumter – 0151 Sumter Industrial Park #1 Corporate Way Sumter, SC 29151</p> <p>Bosch Toluca – 6970 Robert Bosch, S. de R.L. de C.V. Calle Robert Bosch No. 405 Zona Industrial 50071 Toluca, Edo. de México</p> <p>Bosch Toluca – Laredo – 6970 c/o Logis Inc 4117 Trade Center ITC Park Laredo, TX 78045</p> <p>Bosch Farmington Hills – 0628 Robert Bosch LLC 38000 Hills Tech Dr Farmington Hills, MI 48331</p> <p>Bosch Plymouth – TBD 39775 Five Mile Road Plymouth, MI 48170</p> <p>Bosch South Bend – 0320 401 N. Bendix Drive South Bend, Indiana 46634</p> <p>Bosch Automotive Proving Grounds – 0320 32104 State Road 2 New Carlisle, Indiana 46552</p> <p>Bosch Winter Test Facility – 0628 #2 Airport Rd. Baudette, MN 56623</p> <p>Bosch Proving Grounds – 0628 3701 Newburg Rd. Flat Rock, MI 48134</p>
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