Tower Automotive
North American EDI

IMPLEMENTATION GUIDELINES FOR AIAG (ANSI ASC X12)
MATERIAL RELEASE TRANSACTION SET

Version 004010
830

Revision 1 – March 2007

Tower ISA/IEA & GS/GE Enveloping

Introduction:

This section outlines the ISA & GS enveloping structure that should be used when communicating with Tower Automotive

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ISA	Interchange Control Header	M	1		
Must Use	020	GS	Functional Group Header	M	1		
Must Use	030	GE	Functional Group Trailer	O	1		
Must Use	040	IEA	Interchange Control Trailer	O	1		

Segment: **ISA** **Interchange Control Header**
Loop:
Level: Interchange
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:
Semantic Notes:
Comments:

1. When transmitting to or receiving from Tower Automotive, the ISA06 or ISA08 will be used to identify the Tower facility. Tower will use DUNs number to identify each Tower location. Please refer to Appendix A for a list of the Tower location DUNs numbers.
2. When transmitting to or receiving from Tower Automotive, the ISA06 or ISA08 will be used to identify the Supplier facility. The Supplier's DUNs number must be used to identify the Supplier.
3. The Interchange ID Qualifier (ISA05 and ISA07) must be 'ZZ'.
4. **Tower requires the Element Separator, Sub Element Separator and Segment Terminator contain the following values:**

Element Separator:	*****	**(2A)**
Sub Element Separator:	**|**	**(7C)**
Segment Terminator:	**~**	**(7E)**

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**ISA01**	**I01**	**Authorization Information Qualifier** Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	**M ID 2/2**
>>	**ISA02**	**I02**	**Authorization Information** Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Use spaces	**M AN 10/10**
>>	**ISA03**	**I03**	**Security Information Qualifier** Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	**M ID 2/2**
>>	**ISA04**	**I04**	**Security Information** This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Use spaces	**M AN 10/10**
>>	**ISA05**	**I05**	**Interchange ID Qualifier**	**M ID 2/2**

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

ZZ Mutually Defined

>> **ISA06** **I06** **Interchange Sender ID** **M** **ID 15/15**
Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

>> **ISA07** **I05** **Interchange ID Qualifier** **M** **ID 2/2**
Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

ZZ Mutually Defined

>> **ISA08** **I07** **Interchange Receiver ID** **M** **ID 15/15**
Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

>> **ISA09** **I08** **Interchange Date** **M** **DT 6/6**
Date of the interchange

>> **ISA10** **I09** **Interchange Time** **M** **TM 4/4**
Time of the interchange

>> **ISA11** **I10** **Interchange Control Standards Identifier** **M** **ID 1/1**
Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer

U U.S. EDI Community of ASC X12, TDCC, and UCS

>> **ISA12** **I11** **Interchange Control Version Number** **M** **ID 5/5**
This version number covers the interchange control segments

00400 Standard Issued as ANSI X12.5-1992

>> **ISA13** **I12** **Interchange Control Number** **M** **N0 9/9**
A control number assigned by the interchange sender

>> **ISA14** **I13** **Acknowledgment Requested** **M** **ID 1/1**
Code sent by the sender to request an interchange acknowledgment (TA1)

0 No Acknowledgment Requested

>> **ISA15** **I14** **Test Indicator** **M** **ID 1/1**
Code to indicate whether data enclosed by this interchange envelope is test or production

P Production Data

T Test Data

>> **ISA16** **I15** **Component Element Separator** **M** **AN 1/1**
This field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

Segment: **GS** **Functional Group Header**
Loop:
Level: Interchange
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
Semantic Notes:
Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**GS01**	**479**	**Functional Identifier Code** Code identifying a group of application related transaction sets	**M ID 2/2**
>>	**GS02**	**142**	**Application Sender's Code** Code identifying party sending transmission; codes agreed to by trading partners This code should match the sender code in the ISA segment	**M ID 2/12**
>>	**GS03**	**124**	**Application Receiver's Code** Code identifying party receiving transmission. Codes agreed to by trading partners This code should match the receiver code in the ISA segment	**M ID 2/12**
>>	**GS04**	**29**	**Group Date** Date sender generated a functional group of transaction sets.	**M DT 8/8**
>>	**GS05**	**30**	**Group Time** Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).	**M TM 4/4**
>>	**GS06**	**28**	**Group Control Number** Assigned number originated and maintained by the sender	**M N0 1/9**
>>	**GS07**	**455**	**Responsible Agency Code** Code used in conjunction with Data Element 480 to identify the issuer of the standard Use "X" X ANSI X12	**M ID 1/2**
>>	**GS08**	**480**	**Version / Release / Industry Identifier Code** Code indicating the version, release, subrelease and industry identifier of the EDI standard being used. Positions 1-3, version number; positions 4-6, release and subrelease level of version; positions 7-12, industry or trade association identifier (optionally assigned by user). Use "004010" 004010 Version 004, Release 10	**M ID 1/12**

Segment: **GE** **Functional Group Trailer**
Loop:
Level: Interchange
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information
Syntax Notes:
Semantic Notes:
Comments: The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**GE01**	**97**	**Number of Transaction Sets Included** Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	**M N0 1/6**
>>	**GE02**	**28**	**Group Control Number** Assigned number originated and maintained by the sender This must be the same control number as in element GS06.	**M N0 1/9**

Segment: **IEA** **Interchange Control Trailer**
Loop:
Level: Interchange
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:
Semantic Notes:
Comments: The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**IEA01**	**I16**	**Number of Included Functional Groups** A count of the number of functional groups included in an interchange	**M N0 1/5**
>>	**IEA02**	**I12**	**Interchange Control Number** A control number assigned by the interchange sender This must be the same as the control number in ISA13.	**M N0 9/9**

830 Planning Schedule with Release Capability

Functional Group ID=PS

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BFR	Beginning Segment for Planning Schedule	M	1		
			LOOP ID - N1			200	
Must Use	230	N1	Name	O	1		
	280	PER	Administrative Communications Contact	O	3		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			>1	
Must Use	010	LIN	Item Identification	M	1		
Must Use	020	UIT	Unit Detail	O	1		
	230	ATH	Resource Authorization	O	20		
			LOOP ID - FST			>1	
Must Use	410	FST	Forecast Schedule	O	1		n1
			LOOP ID - SHP			25	
Must Use	470	SHP	Shipped/Received Information	O	1		
	480	REF	Reference Identification	O	5		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	O	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. At least one occurrence of segment FST is required, either in the FST loop or within the SDP loop. These two loops are mutually exclusive.
2. Number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (FST01) for each FST segment.

Segment: **ST** **Transaction Set Header**
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

ST*830*160001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	**M ID 3/3**
>>	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

Segment: **BFR** **Beginning Segment for Planning Schedule**
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates
Syntax Notes:
1 At least one of BFR02 or BFR03 is required.
Semantic Notes:
1 BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.
2 BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
3 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
Comments:

BFR*05**24*DL*C*20070108*20070402*20070108

Data Element Summary

	Ref Des.	Data Element	Name	Attributes
>>	**BFR01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 05 Replace	**M ID 2/2**
>>	**BFR03**	**328**	**Release Number** Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	**M AN 1/30**
>>	**BFR04**	**675**	**Schedule Type Qualifier** Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast DL Delivery Based	**M ID 2/2**
>>	**BFR05**	**676**	**Schedule Quantity Qualifier** Code identifying the type of quantities used when defining a schedule or forecast C Cumulative Quantities	**M ID 1/1**
>>	**BFR06**	**373**	**Date** Date expressed as CCYYMMDD Horizon Start Date	**M DT 8/8**
>>	**BFR07**	**373**	**Date** Date expressed as CCYYMMDD Horizon End Date	**M DT 8/8**
>>	**BFR08**	**373**	**Date** Date expressed as CCYYMMDD Generation Date	**M DT 8/8**
	BFR11	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser Purchase Order Number is transmitted in this data element if the same Purchase Order Number applies for all parts on this release.	**O AN 1/22**

Segment: **N1** **Name**
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

N1*ST**1*123456789
N1*SU**1*987654321

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual ST Ship To SU Supplier/Manufacturer	**M ID 2/3**
>>	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet - Recommended 92 Assigned by Buyer	**M ID 1/2**
>>	**N104**	**67**	**Identification Code** Code identifying a party or other code DUNS Number or Buyer Assigned ID	**M AN 2/80**

Segment: **PER** **Administrative Communications Information**
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed.
Syntax Notes: **1** If either PER03 or PER04 is present, then the other is required.
Semantic Notes:
Comments:

PER*EX*CONTACT PLANT*TE*5551234

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named EX Expeditor	**M ID 2/2**
>>	**PER02**	**93**	**Name** Free-form name	**O ID 1/60**
>>	**PER03**	**365**	**Communication Number Qualifier** Code identifying the type of communication number TE Telephone	**X AN 2/2**
>>	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable The telephone number of the contact person.	**X AN 1/80**

Segment: **LIN** **Item Identification**
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes: **1** If either LIN04 or LIN05 is present, then the other is required.
Semantic Notes: **1** LIN01 is the line item identification
Comments: **1** See the Data Dictionary for a complete list of IDs.

LIN**BP*6034866*PO*TWR2007*RN*20070312-001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	**M ID 2/2**
>>	**LIN03**	**234**	**Product/Service ID** Identifying number for a product or service Buyer's Part Number	**M AN 1/48**
	LIN04	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO Purchase Order Number	**M ID 2/2**
	LIN05	**234**	**Product/Service ID** Identifying number for a product or service If LIN04 is PO, LIN05 should be the Purchase Order Number	**M AN 1/48**
	LIN06	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) RN Release Number	**M ID 2/2**
	LIN07	**234**	**Product/Service ID** Identifying number for a product or service If LIN04 is PO, LIN05 should be the Purchase Order Number This is the Tower Release Number for this part.	**M AN 1/48**

Segment: **UIT** **Unit Detail**
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify item unit data
Syntax Notes: **1** If UIT03 is present, then UIT02 is required.
Semantic Notes:
Comments:

UIT*EA

Data Element Summary

	Ref. Des.	Data Element	Name	
>>	**UIT01**	**355**	**Composite Unit of Measure** To identify a composite unit of measure Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to AIAG element dictionary for acceptable codes values.	**M**

Segment: **ATH** **Resource Authorization**
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule
Syntax Notes:
1 At least one of ATH02 or ATH03 is required.
2 If ATH03 is present, then ATH05 is required.
3 If ATH04 is present, then ATH05 is required.
Semantic Notes:
1 ATH02 is the resource authorization through date: The date through which the buyer authorizes the seller to commit the resource defined in element ATH01.
2 ATH03 is the current cumulative requirement quantity: The cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02).
3 ATH05 is the cumulative start date: The date where the cumulative quantity count starts. This date might be the start date of a contract period, a calendar or fiscal year, or other.
Comments:
1 It is imperative that negotiations defining financial commitment have previously occurred and are agreed to by both buyer and seller.
2 ATH04 is the maximum cumulative requirement quantity: The maximum cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02). This is a high water mark. If the forecast decreases, the current cumulative requirement quantity also decreases, but the maximum cumulative requirement quantity does not decrease.

ATH*FI*20070402*7000**20070108
ATH*MT*20070402*12000**20070108
ATH*PQ*20070402*6000**20070108

Data Element Summary

	Ref. Des.	Data Element	Name			
>>	**ATH01**	**672**	**Resource Authorization Code** Code identifying the resource which the buyer is authorizing the seller to commit to FI Finished (Labor, Material, and Overhead/Burden) MT Material PQ Cumulative Quantity Required Prior to First Schedule Period	**M**	**ID 2/2**
	ATH02	**373**	**Date** Date expressed as CCYYMMDD Resource Authorization Through Date	**X**	**DT 8/8**

Ref. Des.	Data Element	Name		
ATH03	**380**	**Quantity** Numeric value of quantity If ATH01 is "PQ" then this data element is the cum quantity required prior to the first scheduled period. If ATH01 = "MT", sum total of "RAW" authorization for all Ultimate Destinations within this part/model year loop If ATH01 = "FI", sum total of "FAB" authorization for all Ultimate Destination locations within this part/model year loop	**X**	**R 1/15**
ATH05	**373**	**Date** Date expressed as CCYYMMDD This data element contains the cumulative start date.	**X**	**DT 8/8**

Segment: **FST** **Forecast Schedule**
Loop: FST Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the forecasted dates and quantities
Syntax Notes: **1** If either FST06 or FST07 is present, then the other is required.
2 If either FST08 or FST09 is present, then the other is required.
Semantic Notes: **1** If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.
Comments: **1** As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.

FST*400*D*D*20070205

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**FST01**	**380**	**Quantity** Numeric value of quantity	**M R 1/15**
>>	**FST02**	**680**	**Forecast Qualifier** Code specifying the sender's confidence level of the forecast data or an action associated with a forecast C Firm D Planning	**M ID 1/1**
>>	**FST03**	**681**	**Forecast Timing Qualifier** Code specifying interval grouping of the forecast D Discrete	**M ID 1/1**
>>	**FST04**	**373**	**Date** Date expressed as CCYYMMDD	**M DT 8/8**

Segment: **SHP** **Shipped/Received Information**
Loop: SHP Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify shipment and/or receipt information
Syntax Notes:
1 If SHP01 is present, then SHP02 is required.
2 If SHP03 is present, then at least one of SHP04 or SHP05 is required.
3 If SHP04 is present, then SHP03 is required.
Semantic Notes:
1 SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
2 SHP06 is the cumulative quantity end date.
Comments:
1 The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
2 If SHP01 equals "02", "07", "08", "09", or "10" (indicating cumulative quantities), then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.

SHP*01*250*050*20071117
SHP*02*22500*051*20071117

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	SHP01	**673**	**Quantity Qualifier** Code specifying the type of quantity 01 Discrete Quantity 02 Cumulative Quantity	**O ID 2/2**
>>	**SHP02**	**380**	**Quantity** Numeric value of quantity	**M R 1/15**
>>	**SHP03**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 050 Discrete Received 051 Cumulative Received	**M ID 3/3**
>>	**SHP04**	**373**	**Date** Date expressed as CCYYMMDD	**M DT 8/8**

Segment: **REF** **Reference Identification**
Loop: SHP Mandatory
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
Semantic Notes:

REF*SI*11212111

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification SI Shipper's Identifying Number for Shipment (SID)	**M ID 2/3**
>>	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier This data element indicates the shipper's identifying number for the shipment (SID).	**M AN 1/30**

Segment: **CTT** **Transaction Totals**
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set	**M N0 1/6**
	CTT02	**347**	**Hash Total** Sum of values of the specified data element.	**O R 1/10**

Segment: **SE** **Transaction Set Trailer**
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
>>	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

SAMPLE DATA FILE

ISA*00* *00* *ZZ*987654321 *ZZ*123456789 *070306*1601*U*00400*000000070*0*P*|
GS*PS*987654321*123456789*20070306*1601*70*X*004010
ST*830*700001
BFR*05*2329**DL*C*20070306*20080306*20070306
N1*ST**1*987654321
N1*SU**92*123456789
LIN**BP*1TWRPARTNO*PO*2TWRPO*RN*20070312-001
UIT*EA
ATH*PQ*20070305*26666**20061229
FST*27098*D*D*20070307
FST*27638*D*D*20070308
FST*28070*D*D*20070309
FST*28610*D*D*20070312
FST*29150*D*D*20070313
FST*29690*D*D*20070314
FST*30338*D*D*20070315
FST*31094*D*D*20070316
FST*31742*D*D*20070319
FST*32390*D*D*20070320
FST*33146*D*D*20070321
FST*33794*D*D*20070322
FST*34442*D*D*20070323
FST*35090*D*D*20070326
FST*35738*D*D*20070327
FST*36170*D*D*20070328
FST*36602*D*D*20070329
FST*37034*D*D*20070330
FST*40598*D*D*20070402
FST*43946*D*D*20070411
FST*46754*D*D*20070418
FST*49994*D*D*20070425
FST*53234*D*D*20070502
FST*56582*D*D*20070509
FST*60038*D*D*20070516
FST*62954*D*D*20070522
FST*65438*D*D*20070530
SHP*01*108*050*20070306
REF*SI*954171
SHP*02*26666*051*20061229
CTT*1*440100
SE*38*321654
GE*1*70
IEA*1*000000070

Appendix A

Tower Location List:

LOCATION	QUALIFIER	ID
Tower Auburn	ZZ	006407126
Tower Bardstown	ZZ	879719912
Tower Bellevue	ZZ	623470416
Tower Bluffton	ZZ	045244985
Tower Chicago	ZZ	139890557
Tower Clinton	ZZ	928966266
Tower Elkton	ZZ	005398615
Tower Madison	ZZ	009348384
Tower Meridian	ZZ	779947717
Tower Plymouth	ZZ	956723399
Tower Smyrna	ZZ	139890615
Tower Traverse City	ZZ	877233502

Appendix B

Contact Information:

Tower IT Contact information:

IT Helpdesk:

Phone: 877-999-4877

Email: it.helpdesk@towerautomotive.com