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Section 232 National Security Investigation: Imports of Automobiles and Automotive Parts

SCOPE OF ASSESSMENT

The Bureau of Industry and Security (BIS), Office of Technology Evaluation (OTE), is conducting a survey of the automobile and/or automotive parts industries. The survey, requested by the Office of the Secretary of the U.S. Department of Commerce, will be used to support an investigation initiated under Section 232 of the Trade Expansion Act of 1962, as amended. The investigation was requested by the President of the United States.

The principal goal of this survey is to assist the Commerce Department in determining whether automobiles and/or automotive parts are being imported into the United States in such quantities or under such circumstances as to threaten to impair the national security. Information collected will include facilities and production data, joint ventures, trade flows, supply chain data, sales and demand data, employment information, conditions of competition, research and development information, and government and defense activities. The resulting aggregate data will give the Commerce Department detailed industry information that is otherwise not publicly available and needed to effectively conduct its analysis.

RESPONSE TO THIS SURVEY IS REQUIRED BY LAW

A response to this survey is required by law (50 U.S.C. App. Sec. 2155). Failure to respond can result in a maximum fine of $10,000, imprisonment of up to one year, or both. Information furnished herewith is deemed confidential and will not be published or disclosed except in accordance with Section 705 of the Defense Production Act of 1950, as amended (50 U.S.C. App. Sec. 2155). Section 705 prohibits the publication or disclosure of this information unless the President determines that its withholding is contrary to the national defense. Information will not be shared with any non-government entity, other than in aggregate form. The information will be protected pursuant to the appropriate exemptions from disclosure under the Freedom of Information Act (FOIA), should it be the subject of a FOIA request.

Notwithstanding any other provision of law, no person is required to respond to nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number.

BURDEN ESTIMATE AND REQUEST FOR COMMENT

Public reporting burden for this collection of information is estimated to average 20 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information to BIS Information Collection Officer, Room 6883, Bureau of Industry and Security, U.S. Department of Commerce, Washington, D.C. 20230, and to the Office of Management and Budget, Paperwork Reduction Project (OMB Control No. 0694-0120), Washington, D.C. 20503.

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General Instructions

A.	Your organization is required to complete this survey of the U.S. automobile manufacturing industry (including passenger cars, light trucks, SUVs, and vans) and auto parts manufacturing industry using an Excel template, which can be downloaded from the BIS website: http://bis.doc.gov/xxxxxxxxxxxxxxx If you are not able to download the survey document, at your request, Commerce staff will e-mail the Excel survey template directly to you. For your convenience, a PDF version of the survey and required drop-down content is available on the BIS website to aid internal data collection. DO NOT SUBMIT the PDF version of the survey as your response to BIS. Should this occur, your organization will be required to resubmit the survey in the requested Excel format.
B.	Respond to every question. Surveys that are not fully completed will be returned for completion. Use the comment boxes to provide any information to supplement responses provided in the survey form. Make sure to record a complete answer in the cell provided, even if the cell does not appear to expand to fit all of the information. DO NOT CUT AND PASTE RESPONSES WITHIN THIS SURVEY OR PASTE IN RESPONSES FROM OUTSIDE THE SURVEY. Survey inputs should be completed by typing in responses or by using a drop-down menu. The use of cut and paste can corrupt the survey template. If your survey response is corrupted as a result of cut and paste responses, a new survey will be sent to your organization for immediate completion.
C.	**Do not disclose any classified information in this survey form.**
D.	Upon completion of the survey, final review, and certification, **transmit the survey document via e-mail to**: Autos232@DOC.GOV
E.	Questions related to the survey should be directed to BIS survey support staff at Autos232@DOC.GOV. E-mail is the preferred method of contact. You may also speak with a member of the BIS survey support staff by calling (202) 482-4358.
F.	For questions related to the overall scope of this Industrial Base assessment, contact Autos232@DOC.GOV or: Brad Botwin, Director, Industrial Studies Office of Technology Evaluation, Room 1093 U.S. Department of Commerce 1401 Constitution Avenue, NW Washington, DC 20230 DO NOT submit completed surveys to Mr. Botwin's postal or personal e-mail address. All surveys must be submitted electronically to Autos232@DOC.GOV.

Definitions	
Term	**Definition**
Applied Research	A systematic study to gain knowledge or understanding necessary to determine the means by which a recognized and specific need may be met. This activity includes work leading to the production of useful materials, devices, and systems or methods, including design, development, and improvement of prototypes and new processes.
Authorizing Official	An executive officer of the organization or business unit or another individual who has the authority to execute this survey on behalf of the organization.
Autonomy	Technology related to vehicles with any electronic system that influences the lateral or longitudinal operation (or both) of a vehicle meeting SAE levels 2-5 for driving automation.
Auto parts	All components for production/assembly of passenger cars, SUVs, vans and light trucks, including engines and engine parts, electrical and electronic equipment, steering and suspension components (except springs), brake systems, transmission and power train parts, seating and interior trim, metal stampings, and other parts and accessories. Also includes rebuilt motor vehicle parts.
Basic Research	A systematic, scientific study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts.
Capital Expenditures	Investments made by an organization in buildings, equipment, property, and systems where the expense is depreciated. This does not include expenditures for consumable materials, other operating expenses, and salaries associated with normal business operations.
Commercial Shipments	Total shipments less internal consumption and transfers to related firms, which must be valued at fair market value.
Commercially Sensitive Information (CSI)	Privileged or proprietary information which, if compromised through alteration, corruption, loss, misuse, or unauthorized disclosure, could cause serious harm to the organization owning it. This includes customer/client information, financial information and records, human resource information, intellectual property information, internal communications, manufacturing and production line information, patent and trademark information, research and development information, regulatory/compliance information, and supplier/supply chain information.
Connectivity/Connected Car	Ability to exchange digital information between a vehicle and other entities (e.g., another vehicle, infrastructure); vehicles that are able to communicate, either directly or through intermediaries, with other vehicles, infrastructure, and devices.
Design Facility	A space or studio with personnel who use design software, intellectual property, supporting computer systems, engineering and other information technology to create auto parts and automobiles, including cars, SUVs, vans and light trucks.
Development	The design, simulation, and testing of a prototype, including experimental software or hardware systems, to validate technological feasibility or concept of operation in order to reduce technological risk, or provide test systems prior to production approval.
Electrification	Technology for vehicles receiving some degree of motive power via electrical energy and an electric motor; includes hybrid, plug-in hybrid, electric, and fuel-cell vehicles.
Exports	Shipments to destinations outside the United States, including shipments to NAFTA countries and to related firms.
Full Time Equivalent (FTE) Employees	Employees who work for 40 hours in a normal work week. Convert part-time employees into "full time equivalents" by taking their work hours as a fraction of 40 hours
Global Headquarters	(Definition Pending)
Harmonized Tariff Schedule (HTS)	The Harmonized Tariff Schedule (HTS) is the statute used to determine tariff classifications for goods imported into the United States. It is maintained and published by the United States International Trade Commission. The HTS is based on the International Harmonized System.
Light Truck	Motor vehicle manufactured primarily for the transport of goods; any truck or “truck derivative” with a gross vehicle weight rating (GVWR) of 8,5000 pounds or less, and a vehicle curb weight (VCW) of 6,000 pounds or less; includes pickup trucks (non-passenger automobiles with passenger compartment and an open cargo area). Covers the following HTS codes
Lightweighting	Mass reduction of vehicles through the minimization of materials or substitution of materials with lower density and volume.
Manufacturing	Engaging in the mechanical, physical, or chemical transformation of materials, substances, or components into automotive parts, passenger cars, SUVs, vans and light trucks at a manufacturing facility.
Manufacturing facility	An establishment that uses an array of equipment, components, systems, and labor to transform designs into automotive parts and/or passenger cars, SUVs, vans and light trucks.
Non-U.S. Company	For the purpose of this survey, a non-U.S. company is an organization (publicly traded, privately held, for profit, not-for-profit, or non-profit) that is domiciled at a location outside of the United States. Companies that are a business unit of a parent organization with legal domicile located outside of the United States are non-U.S. companies.
Non-U.S. Facility	(Definition Pending)
North American Industry Classification System (NAICS) Code	A unique identifier for the category of product(s) or service(s) provided by an organization. Find NAICS codes at http://www.census.gov/epcd/www/naics.html
Organization	A company, firm, laboratory, or other entity that owns or controls one or more U.S. establishment(s) capable of designing and/or manufacturing integrated circuit products. A company may be an individual proprietorship, partnership, joint venture, or corporation including any subsidiary corporation in which more than 50 percent of the outstanding voting stock is owned by a business trust, cooperative, trustee(s) in bankruptcy, or receiver(s) under decree of any court owning or controlling one or more establishment.
Passenger Car	Motor vehicle manufactured primarily for use in transportation of fewer than ten persons; includes two- and four-door sedans, hatchbacks, station wagons, cross-utility vehicles, and, two-seater sports cars. For this survey’s purposes, the definition principally covers HTS 8703, excluding SUV’s, minivans and vans.
Production	to include assembly
Product/Process Development	Conceptualization and development of an automotive part, system or whole vehicle prior to the production of the product for customers (i.e., consumers, tier-one suppliers, automakers, etc.).
Research and Development	Basic and applied research in the engineering sciences, as well as design and development of prototype products and processes. Efforts that an organization conducts towards innovating, introducing and/or improving products and processes.
Sales	Sales figures should include sales to distributors
SUV (Sport Utility Vehicle)	Motor vehicle built using a “body on frame” construction principally designed for the transport of fewer than ten persons.
Supplier	An entity from which your organization obtains inputs, which may be goods or services. A supplier may be another firm with which you have a contractual relationship, or it may be another facility owned by the same parent organization.
United States	The "United States" or "U.S." includes the 50 states, Puerto Rico, the District of Columbia, Guam, the Trust Territories, and the U.S. Virgin Islands
Van	Covered, boxlike motor vehicle with an enclosed cargo space not exceeding five metric tons; typically has a rear door and sliding doors on the side panels, used for transporting goods or fifteen or fewer persons.

Organization Information

A. Provide the following information for your organization

Organization Name	
Street Address	
City	
State	
Zip Code	
Location of Global Headquarters	
Point of Contact Name	
Point of Contact Email	
Point of Contact Phone	

B. Is this organization owned, in whole or in part, by any private or government entity? Indicate Yes/No, then identify the entities below, if applicable

Entity Name	Entity's Global Headquarters Street	Entity's Global Headquarters City	Entity's Global Headquarters State	Entity's Global Headquarters Country	Ownership %

C. At the global headquarters level, identify the total number of passenger car, light truck, SUV, van, and auto parts (including engines) manufacturing and/or assembly facilities, product development and design facilities, and research and development facilities that your firm currently operates.

Activity	Number of U.S. Facilities	Number of Non-U.S. Facilities
Assemble Passenger Cars, Light Trucks, SUVs, or Vans		
Product Development & Design		
Research & Design		
Manufacture Auto Parts		

Facility Information

U.S. Facilities

Identify the total number of facilities this organization operates in the United States:

List each of your organization's automotive-related facilities located in the United States, identifying each facility's name, city, state, principal scope of work (dropdown), primary product (e.g. cars, light trucks, vans, transmissions, etc.), and any expected change in operations (e.g. expansion, worker layoffs, etc.) from 2018-2022. If the facility produces automobiles, enter the 2017 production volume in units.

	U.S. Facility Name	City	State	Principal Scope of Work	Expected Change 2018-2022	2017 Production Volume of Autos, in Units (if applicable)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

If any of your U.S. facilities will be closing from 2018-2022, provide the reasons:

Non-U.S. Facilities

Identify the total number of facilities this organization operates outside the United States:

List each of your organization's automotive-related facilities located outside the United States, identifying each facility's name, city, state, principal scope of work (dropdown), primary product (e.g. cars, light trucks, vans, transmissions, etc.), and any expected change in operations (e.g. expansion, worker layoffs, etc.) from 2018-2022. If the facility produces automobiles, enter the 2017 production volume in units.

	Non-U.S. Facility Name	City	Country	Principal Scope of Work	Expected Change 2018-2022	2017 Production Volume of Autos, in Units (if applicable)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

If any of your non-U.S. facilities will be closing from 2018-2022, provide the reasons:

Changes in Facility Operations, 2013-2018

For your firm's U.S. operations, please indicate whether your organization has experienced any plant closings, relocations, expansions, corporate acquisitions or consolidations, or other major changes in operations since January 1, 2013 (complete as many as appropriate). For each change, provide the location, reasons for the change in operations (e.g., loss of market share to imports, loss of market share to domestic competition, declining demand, low profitability, firm restructuring), and units of vehicles and parts (i.e., auto parts your firm self-produces) as well as number of full-time-equivalent (FTE) employees impacted.

	Location	Type of Change	Date of Change	Units of Vehicles Impacted	Units of Auto Parts Impacted	FTEs Impacted	Explanation
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Production

At the global headquarters level, identify the quantity (in units) of vehicles produced annually and sold in the United States in each category at both your U.S. and non-U.S. facilities.

A. Units Produced at U.S. Facilities and Sold in the U.S.

Type of Motor Vehicle	2013	2014	2015	2016	2017	2018 (Jan - Jun)
Passenger Cars						
Light Trucks						
SUVs						
Vans						
Engines						
Transmissions						
Total						

B. Units Produced at Non-U.S. Facilities and Sold in the U.S.

Type of Motor Vehicle	2013	2014	2015	2016	2017	2018 (Jan - Jun)
Passenger Cars						
Light Trucks						
SUVs						
Vans						
Engines						
Transmissions						
Total						

Production (Continued)

For U.S. operations, provide the production, shipment, and content data for each year below.

*AUV U.S. Auto Parts Content: Provide the average unit value of U.S. auto parts content, expressed as the percentage of the value of U.S.-originating auto parts use for U.S. auto assembly (numerator) over the COGS of the finished motor vehicle (denominator)

Passenger Cars

	Item	2013	2014	2015	2016	2017	2018 (Jan - Jun)
	Average Production Capacity						
	Production						
A.	U.S. Shipments/Sales (Units)						
	U.S. Shipments/Sales ($)						
	Export Shipments/Sales (Units)						
	Export Shipments/Sales ($)						
	AUV U.S. Auto Parts Content*						

Light Trucks

	Item	2013	2014	2015	2016	2017	2018 (Jan - Jun)
	Average Production Capacity						
	Production						
B.	U.S. Shipments/Sales (Units)						
	U.S. Shipments/Sales ($)						
	Export Shipments/Sales (Units)						
	Export Shipments/Sales ($)						
	AUV U.S. Auto Parts Content*						

SUVs

	Item	2013	2014	2015	2016	2017	2018 (Jan - Jun)
	Average Production Capacity						
	Production						
C.	U.S. Shipments/Sales (Units)						
	U.S. Shipments/Sales ($)						
	Export Shipments/Sales (Units)						
	Export Shipments/Sales ($)						
	AUV U.S. Auto Parts Content*						

Vans

	Item	2013	2014	2015	2016	2017	2018 (Jan - Jun)
	Average Production Capacity						
	Production						
D.	U.S. Shipments/Sales (Units)						
	U.S. Shipments/Sales ($)						
	Export Shipments/Sales (Units)						
	Export Shipments/Sales ($)						
	AUV U.S. Auto Parts Content*						

*AUV U.S. Auto Parts Content: Provide the average unit value of U.S. auto parts content, expressed as the percentage of the value of U.S.-originating auto parts use for U.S. auto assembly (numerator) over the COGS of the finished motor vehicle (denominator)

Constraints to Operations

For each auto or part type, indicate whether your organization's production of the item or purchase of the item has ever been constrained since 2013, providing an explanation for each. Explanations should include the products affected, specific reasons for constraints, and years associated with the constraint. See definitions page for details on automotive parts.

Auto or Part Type	Constraint to Own Production	Explanation	Constraint to Acquisition	Explanation
Passenger Cars				
Light Trucks				
SUVs				
Vans				
Engines - 4 Cylinder				
Engines - 6 Cylinder				
Engines - 8 or More Cylinder				
Transmissions - 6 or Fewer Gears				
Transmissions - 7 or More Gears				
Bodies				
Drive Components				
Steering & Suspension Systems				
Advanced Batteries				
Fuel Management Systems				
Electronic Controls				
Electrical Systems				
Braking Systems				
Interior Systems				
Other				

Has your organization had difficulty obtaining and/or servicing production equipment required for the production of vehicles or automotive parts? If Yes, explain below and identify the countries of origin for the equipment.		

For the production equipment that your organization uses at U.S. manufacturing facilities, estimate the percentage that is supplied by manufacturers based in the United States. Provide explanations for each detailing reasons for using equipment supplied by non-U.S. manufacturers.

Equipment	U.S. %	Explanation
Machine Tools - Engines		
Machine Tools – Transmissions/Transaxles		
Body Panels/Structural Component - Stamping & Forming Presses/Tooling		
Machine Tools - Large Gears		
Production Operations - Design & Operations Software		
Production Line Control Systems		
Computer-Controlled Assembly Line Vehicle Transport Systems		
Robotic Welders		
Robotic Paint Systems		
Wheel Alignment systems		
Other		
Other		

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Financial Statement - U.S. Operations

Report the below line items, in thousands of dollars, for this organization's U.S. Operations

	Income Statement (Select Items)	2013	2014	2015	2016	2017	2018 Jan - Jun
A	Total Organization Revenue						
1	Revenue - Passenger Cars						
2	Revenue - Light Trucks						
3	Revenue - SUVs						
4	Revenue - Vans						
5	Revenue - Auto Parts						
B	Total Organization COGS						
1	COGS - Passenger Cars						
2	COGS - Light Trucks						
3	COGS - SUVs						
4	COGS - Vans						
5	COGS - Auto Parts						
C	Total Operating Income (Loss)						
D	Earnings Before Interest and Taxes						
E	Interest Expense						
F	Net Income						

	Balance Sheet (Select Items)	2013	2014	2015	2016	2017	2018 Jan - Jun
A	Cash and Cash Equivalents						
B	Inventory						
C	Current Assets						
D	Total Assets						
E	Current Liabilities						
F	Total Liabilities						
G	Retained Earnings						

Exports

Identify the top 10 export destinations for your organization's U.S.-produced passenger cars, light trucks, SUVs, and vans, and list the total units of each type of vehicle exported by year

Passenger Cars

		Export Destination Country	2013	2014	2015	2016	2017	2018 (Jan - Jun)
A.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

Light Trucks

		Export Destination Country	2013	2014	2015	2016	2017	2018 (Jan - Jun)
A.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

SUVs

		Export Destination Country	2013	2014	2015	2016	2017	2018 (Jan - Jun)
A.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

Vans

		Export Destination Country	2013	2014	2015	2016	2017	2018 (Jan - Jun)
A.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

Imports

Identify the top 10 import sources for your organization's U.S.-sold passenger cars, light trucks, SUVs, and vans, and list the total units of each type of vehicle imported by year

Passenger Cars

		Country of Import	2013	2014	2015	2016	2017	2018 (Jan - Jun)
A.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

Light Trucks

		Country of Import	2013	2014	2015	2016	2017	2018 (Jan - Jun)
A.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

SUVs

		Country of Import	2013	2014	2015	2016	2017	2018 (Jan - Jun)
A.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

Vans

		Country of Import	2013	2014	2015	2016	2017	2018 (Jan - Jun)
A.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

Supply Chain

For each type of auto part input, identify the total number of Original Equipment Suppliers (OESs) your organization used in 2017, and list the top five OESs, providing supplier name, country of headquarters, country of part manufacture, whether the OES is affiliated with your organization, the number of units acquired in 2017, and the value of parts acquired in 2017. Then, for each supplier rate (from 1 to 5, with 1 being Very Important and 5 being Not Important) how important price, tariffs, availability, and performance/quality are in deciding to use this supplier.

	Engines: 4 Cylinder			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
	Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
A 1										
2										
3										
4										
5										

	Engines: 6 Cylinder			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
	Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
B 1										
2										
3										
4										
5										

	Engines: 8 or More Cylinder			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
	Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
C 1										
2										
3										
4										
5										

	Transmissions: 7 or Fewer Gears			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
	Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
D 1										
2										
3										
4										
5										

	Transmissions: 8 or More Gears			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
	Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
E 1										
2										
3										
4										
5										

Supply Chain

For each type of auto part input, identify the total number of Original Equipment Suppliers (OESs) your organization used in 2017, and list the top five OESs, providing supplier name, country of headquarters, country of part manufacture, whether the OES is affiliated with your organization, the number of units acquired in 2017, and the value of parts acquired in 2017. Then, for each supplier rate (from 1 to 5, with 1 being Very Important and 5 being Not Important) how important price, tariffs, availability, and performance/quality are in deciding to use this supplier.

	Bodies			Total OESs:				Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
A	1										
	2										
	3										
	4										
	5										

	Drive Components			Total OESs:				Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
B	1										
	2										
	3										
	4										
	5										

	Steering & Suspension Systems			Total OESs:				Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
C	1										
	2										
	3										
	4										
	5										

	Advanced Batteries			Total OESs:				Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
D	1										
	2										
	3										
	4										
	5										

	Fuel Management Systems			Total OESs:				Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
E	1										
	2										
	3										
	4										
	5										

Supply Chain

For each type of auto part input, identify the total number of Original Equipment Suppliers (OESs) your organization used in 2017, and list the top five OESs, providing supplier name, country of headquarters, country of part manufacture, whether the OES is affiliated with your organization, the number of units acquired in 2017, and the value of parts acquired in 2017. Then, for each supplier rate (from 1 to 5, with 1 being Very Important and 5 being Not Important) how important price, tariffs, availability, and performance/quality are in deciding to use this supplier.

	Electronic Controls			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
A	1										
	2										
	3										
	4										
	5										

	Electrical Systems			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
B	1										
	2										
	3										
	4										
	5										

	Braking Systems			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
C	1										
	2										
	3										
	4										
	5										

	Interior Systems			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
D	1										
	2										
	3										
	4										
	5										

	Other			Total OESs:			Reason for Preferring Supplier (Rank Each 1-5)			
		Supplier Name	Country of Headquarters	Country of Manufacture	Affiliated?	Units Acquired	Value of Parts Acquired	Price	Tariffs	Availability	Quality
E	1										
	2										
	3										
	4										
	5										

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Domestic and Foreign Sourcing

For each auto or part type, estimate the average percent of the parts sourced within the U.S. and from Canada or Mexico for each of the years 1985, 1995, 2005, and 2015. Then, provide reasons for your organization's decisions to source auto parts from foreign countries (e.g. domestic source unavailable, foreign source offers lower price, higher quality, etc.)

Part Type	Estimated Percent of Auto Parts Sourced Within the U.S.				Estimated Percent of Auto Parts Sourced from Canada or Mexico				Explanation and Reasons for Sourcing from Outside the U.S., Canada, or Mexico
	1985	1995	2005	2015	1985	1995	2005	2015	
Engines - 4 Cylinder									
Engines - 6 Cylinder									
Engines - 8 or More Cylinder									
Transmissions - 6 or Fewer Gears									
Transmissions - 7 or More Gears									
Bodies									
Drive Components									
Steering & Suspension Systems									
Advanced Batteries									
Fuel Management Systems									
Electronic Controls									
Electrical Systems									
Braking Systems									
Interior Systems									
Other									

Joint Ventures and Foreign Trade Zones

A. Joint Ventures

From 2013-present, record the total number of joint ventures, including public/private R&D partnerships, in which your organization participated.

Identify your organization's 10 most recent joint venture relationships, including public/private R&D partnerships.

	Organization/Entity Name	Controlling Shareholder	Country	Year Initiated	Primary Focus of Joint Venture	Primary Purpose of Relationship	Explain
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

B. Foreign Trade Zones (FTZs)

Does your firm produce any vehicles in FTZs or admit any vehicles into FTZs?

If Yes, describe the locations and nature of your firms FTZ operations, then identify the number of units produced in FTZs, as well as the number ultimately brought from the FTZs into the U.S. in each year.

FTZ Operation Description:

	2013	2014	2015	2016	2017	2018
Units Produced in FTZs						
Units Brought into U.S.						

Employment

From 2013-2018, record your annual Total Full Time Equivalent (FTE) Employees. Then record the same data for each occupational category.

	2013	2014	2015	2016	2017	2018
Total FTE Employees						
Average Weekly Hours Worked by FTE Employees						
Administrative, Management, and Legal Staff						
Designers						
Engineers, Scientists, and R&D Staff						
Information Technology/Cybersecurity						
Marketing and Sales						
Production Line Workers						
Testing Operators, Quality Control, and Support Technicians						

Does your organization have difficulty hiring and/or retaining its automotive-related employees?	

For each occupation category, indicate the kind of difficulty your organization faces, number of current unfilled vacancies, average length of time positions unfilled (in weeks), and primary reason for unfilled vacancies. Explain your response.

	Difficulty	Number of Vacancies	Average Weeks Vacant	Explanation
Administrative, Management, and Legal Staff				
Designers				
Engineers, Scientists, and R&D Staff				
Information Technology/Cybersecurity				
Marketing and Sales				
Production Line Workers				
Testing Operators, Quality Control, and Support Technicians				

Competition and Demand Trends

A

Indicate how demand within the United States and outside of the United States for passenger cars, light trucks, SUVs, and vans has changed from 2013 to 2018. Explain any trends and describe the principal factors that have affected these changes in demand.

Market	Overall Change	Explanation and Factors
Within the United States		
Outside the United States		

B.

How has import competition affected your U.S. manufacturing operations, sales, employment, planned expansions, investments, etc. with respect to the production of passenger cars, light trucks, SUVS and vans from 2013 to 2018. Please be as specific as possible.

From 2013 to 2018, has your firm experienced any actual negative effects on its return on investment or its growth, investment, ability to raise capital, existing development and production efforts, or the scale of capital investments as a result of imports of passenger cars, light trucks, vans, and SUVs into the United States? Indicate Yes/No to the right and explain below.	

Does your firm anticipate any negative effects due to future imports of passenger cars, light trucks, vans and SUVs into the United States? Indicate Yes/No to the right and explain below.	

C

Describe the top 5 largest challenges to the competitive position of your company in the global motor vehicle market.

1	
2	
3	
4	
5	

Describe the top 5 largest challenges to the competitive position of your company in the U.S. motor vehicle market.

1	
2	
3	
4	
5	

Describe the top 5 barriers to motor vehicle innovation for your company in the global market.

1	
2	
3	
4	
5	

Describe the top 5 barriers to motor vehicle innovation for your company in the U.S. market.

1	
2	
3	
4	
5	

Research & Development

From 2013-2018, record your organization's Global and U.S. R&D dollar Expenditures, including the listed component expenditures on a percentage basis. Then record global R&D funding sources on a dollar basis and component expenditures on a percentage basis.

Record $ in Thousands, e.g. $12,000.00 = survey input of $12

			2013	2014	2015	2016	2017	2018 Jan - Jun
A	1	Total Global R&D Expenditures						
	2	Total Global Passenger Car, Light Truck, SUV, and Van R&D Expenditures						
	3	Global Autonomy R&D (as a % of A2)						
	4	Global Connectivity R&D (as a % of A2)						
	5	Global Electrification R&D (as a % of A2)						
	6	Global Lightweighting R&D (as a % of A2)						
	7	Other (as a % of A2) (specify here)						
	8	Total of 2 - 7 (must equal 100%)						

			2013	2014	2015	2016	2017	2018 Jan - Jun
B	1	Total U.S. R&D Expenditures						
	2	Total U.S. Passenger Car, Light Truck, SUV, and Van R&D Expenditures						
	3	U.S. Autonomy R&D (as a % of B2)						
	4	U.S. Connectivity R&D (as a % of B2)						
	5	U.S. Electrification R&D (as a % of B2)						
	6	U.S. Lightweighting R&D (as a % of B2)						
	7	Other (as a % of B2) (specify here)						
	8	Total of 2 - 7 (must equal 100%)						

			2013	2014	2015	2016	2017	2018 Jan - Jun
C	1	Total Global R&D Funding						
	2	Internal/Parent Company (as a % of C2)						
	3	U.S. Federal Government (as a % of C2)						
	4	U.S. State and Local Government (as a % of C2)						
	5	U.S. Private Equity (includes industry and university) (as a % of C2)						
	6	Foreign Government (as a % of C2)						
	7	Foreign Non-Government (as a % of C2)						
	8	Other (as a % of C2) (specify here)						
	9	Total of 2 - 8 (must equal 100%)						

Research & Development (Continued)

For each technology identified below, identity your firm's top five R&D partners, public or private, in terms of overall R&D expenditures, provide the primary location of the R&D, list of all countries the R&D is carried out in, and an explanation of the R&D activities.

A — Autonomy

	Partner Name	Global Headquarters	Primary Location of R&D	List of Countries R&D Carried Out In	Explanation of R&D
1					
2					
3					
4					
5					

B — Connectivity

	Partner Name	Global Headquarters	Primary Location of R&D	List of Countries R&D Carried Out In	Explanation of R&D
1					
2					
3					
4					
5					

C — Electrification

	Partner Name	Global Headquarters	Primary Location of R&D	List of Countries R&D Carried Out In	Explanation of R&D
1					
2					
3					
4					
5					

D — Lightweighting

	Partner Name	Global Headquarters	Primary Location of R&D	List of Countries R&D Carried Out In	Explanation of R&D
1					
2					
3					
4					
5					

E From 2013 to 2018, describe in detail constrains on global R&D activities (for example, inadequate revenue), and explain additional R&D activities that would occur absent those constraints.

F From 2013 to 2018, describe in detail constrains on U.S. R&D activities (for example, inadequate revenue), and explain additional R&D activities that would occur absent those constraints.

Economic Downturn Information

Provide the following data on your organization's activities during the economic downturn starting in 2007

	2007	2008	2009	2010
Gross Profit/Loss				
Operating Income				
Net Income/loss before income taxes				
Total U.S. sales quantities (units)				
A Total U.S. sales values ($1,000)				
Total COGs ($1,000)				
R&D spending ($1,000)				
Capital Expenditure spending ($1,000)				
Amount of assistance received from related companies in U.S. or abroad (specify company name and country) ($1,000)				
Amount of assistance received from government entities in U.S. or abroad (specify entity name and country) ($1,000)				

B During the global economic downturn in 2007 – 2009, describe cutbacks in global R&D spending, if any, by R&D activity type and the percentage of decline in R&D expenditure compared to 2004-2006

C During the global economic downturn in 2007 – 2009, describe cutbacks in U.S. R&D spending, if any, by R&D activity type and the percentage of decline in R&D expenditure compared to 2004-2006

B During the global economic downturn in 2007 – 2009, describe cutbacks in global Capital spending, if any, by Capital activity type and the percentage of decline in Capital Expenditure compared to 2004-2006

C During the global economic downturn in 2007 – 2009, describe cutbacks in U.S. Capital spending, if any, by Capital activity type and the percentage of decline in Capital Expenditure compared to 2004-2006

Global and Defense Activities

		-Yes/No	Explain
A	Has your organization ever designed, developed, or manufactured, individually or in collaboration with other private or government partners, any product specifically for military purposes?		
B	Does your organization currently design, develop, or manufacture, individually or in collaboration with other private or government partners, any product specifically for military purposes? If your organization has previously done so but no longer does, provide an explanation for the reasons for the change.		
C	Does your organization sell any product directly to a U.S. defense agency?		
D	Does your organization sell any product directly to a foreign defense agency?		
E	Does your organization engage in any R&D that is funded by or in cooperation with a U.S. government agency?		
F	Does your organization engage in any R&D that is funded by or in cooperation with a foreign government agency?		

For the technologies listed below, rank their importance to development of future automotive products over the next 10 years for each of the vehicle types described

	Advanced Technology Requirements		Conventional Vehicles	Electric Vehicles	Autonomous Vehicles
1	Advanced Electric Drive - Motor				
2	Advanced Electric Drive - Transmission				
3	Advanced Batteries				
4	Hydrogen Fuel Cells				
5	Battery Management Systems				
6	Power Electronics				
7	Power Generating Shock Absorbers				
8	Improved Regenerative Braking Systems				
9	Collision Avoidance Systems - LIDAR				
10	Collision Avoidance Systems - Radar				
11	Directional Mapping/Global Positioning				
12	Guidance Sysems				
13	Jam-Resistant Dedicated Short-Range Communications (DSRC) technology				
14	Vehicle-to-Vehicle Communications				
15	Automotive electromagnetic interference Filters				
16	Advanced Microprocessors Availability -				
17	Sensor Fusion Integrated Electronics				
18	High-Fidelity Antennas				
19	Integrated Braking and Steering Control Systems				
20	Sensor Systems -Light Detection and Ranging (LIDAR) detection and ranging,				
21	Sensor Systems – Other Optical				
22	Sensor Systems – Other Radar				
23	Sensors - Discriminating Directional Sensors				
24	Sensors - Object Recognition/Vehicle Recognition				
25	Sensors – Driver Behavior/Human Factors				
26	Software & Algorithm Tools				
27	Systems Simulation Tools -				
28	Power electronics simulation software				
29	Software Validation Tools				
30	Other				
31	Other				
32	Other				

Certification	
The undersigned certifies that the information herein supplied in response to this questionnaire is complete and correct to the best of his/her knowledge. It is a criminal offense to willfully make a false statement or representation to any department or agency of the United States Government as to any matter within its jurisdiction (18 U.S.C. 1001 (1984 & SUPP. 1197)). Once your organization has completed this survey, save a copy and submit it via the Census portal. Be sure to retain your survey for your records and to facilitate any necessary edits or clarifications. BIS Survey Website https://www.bis.doc.gov/autosurvey	
Organization Name	
Organization's Internet Address	
Name of Authorizing Official	
Title of Authorizing Official	
E-mail Address	
Phone Number and Extension	
Date Certified	
In the box below, provide any additional comments or any other information you wish to include regarding this survey assessment.	
How many hours did it take to complete this survey?	

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