



Auto manufacturing operations in 25 states

State	Plants	Employment	
MI	49	78,159	
ОН	25	40,976	
KY	5	23,606	
IN	11	22,337	
TN	6	18,904	
AL	5	14,119	
CA	3	12,019	
MO	6	11,688	
IL	4	9,048	
SC	1	4,500	
TX	2	4,307	
MS	1	3,662	
WI	2	3,289	
NY	3	2,911	
DE	2	2,540	
KS	1	1,969	
LA	1	1,877	
GA	2	1,476	
WV	1	1,150	
MN	1	1,060	
OK	1	788	
AR	1	600	
MD	1	423	
PA	1	319	
VA	1	102	
Total	136	261,829	

CAR

Automobile parts manufacturing operations in 50 states

State	Establishments	Employment	State	Establishments	Employment
Michigan	787	135,707	Oregon	77	3,350
Ohio	490	90,442	Minnesota	75	3,200
Indiana	371	78,140	Kansas	45	2,995
Tennessee	195	38,012	Arizona	79	2,697
Kentucky	153	31,465	Washington	80	2,658
Illinois	267	28,543	West Virginia	15	2,101
California	629	24,201	Massachusetts	44	1,780
New York	165	22,763	Maryland	31	1,694
North Carolina	153	18,519	Louisiana	32	1,600
Alabama	101	17,827	New Hampshire	18	1,600
Wisconsin	141	16,270	Colorado	58	1,288
South Carolina	93	14,642	New Jersey	57	1,004
Missouri	139	13,616	North Dakota	13	940
Pennsylvania	145	12,472	South Dakota	15	794
Texas	259	11,821	Nevada	26	600
Georgia	119	10,345	Vermont	4	370
Iowa	62	7,565	Delaware	4	313
Virginia	73	6,956	Maine	11	290
Mississippi	56	6,713	Rhode Island	5	287
Arkansas	46	5,840	Wyoming	10	160
Florida	175	4,890	Montana	14	100
Connecticut	60	4,109	New Mexico	15	100
Utah	42	4,000	Idaho	11	68
Oklahoma	60	3,931	Hawaii	6	25
Nebraska	30	3,907	Alaska	2	9
Total	4,811	612,696		747	30,023

Employment contribution of the automobile industry

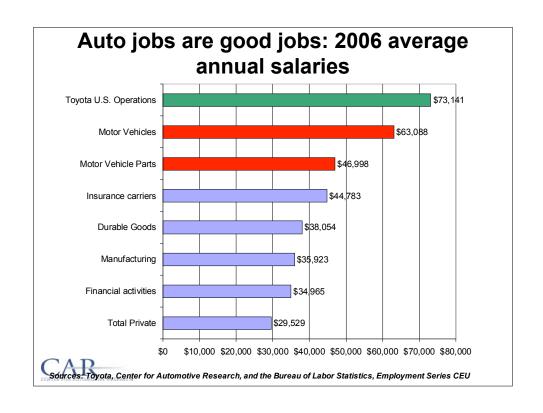
- Of all the jobs created by the direct employment of the automobile industry:
 - 18% are in manufacturing
 - 82% are in non-manufacturing

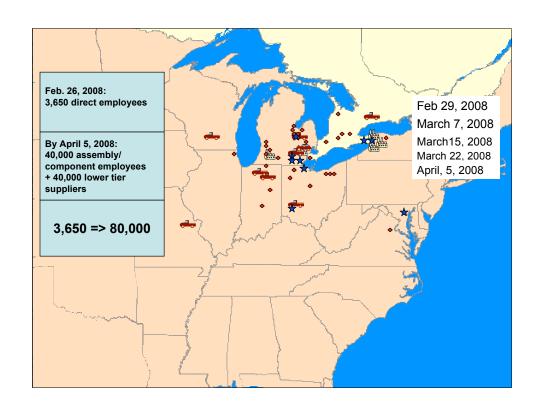


Jobs in and created by the automotive sector

- Engineering
- · R&D, Scientistific
- Administrative and support positions (Waste, IT, etc.)
- Management
- · Logistics: Transportation & Warehousing
- Manufacturing
- Finance
- Legal
- Sales
- Accounting
- · Public Relations and Marketing
- Human Resources







Major Industry Challenges

· Economic cycle

Credit crisis

Price of energy

Materials inflation

Segment shifts

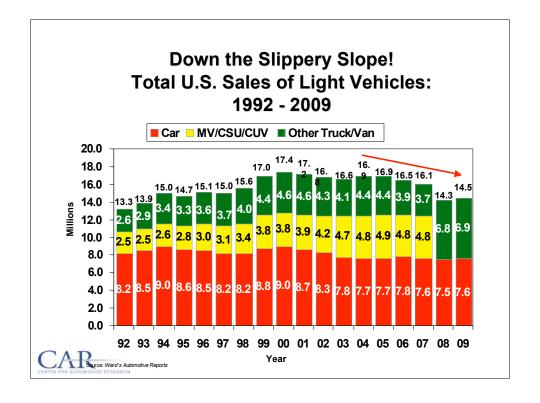
New competition

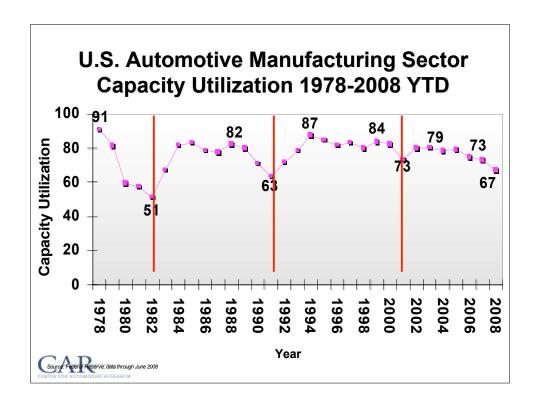
Emerging markets

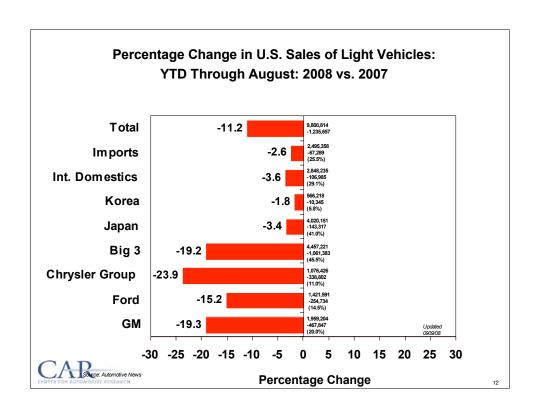
New technologies

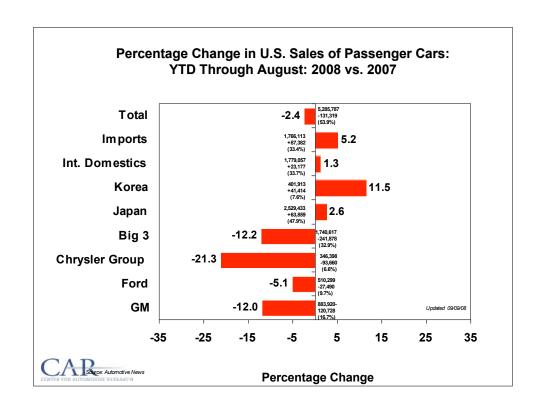


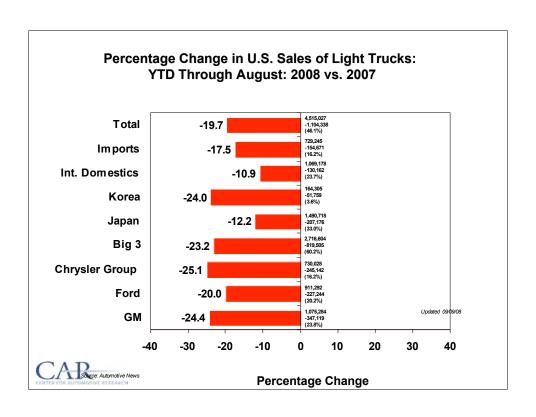


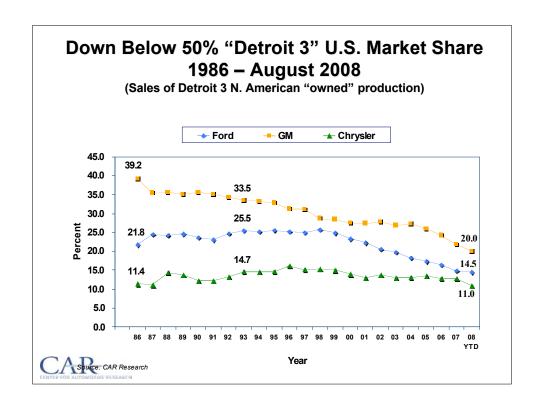


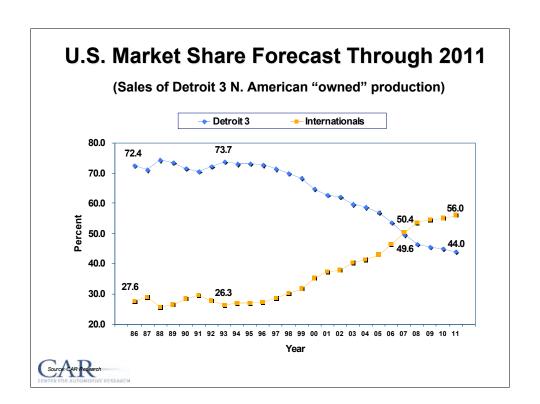


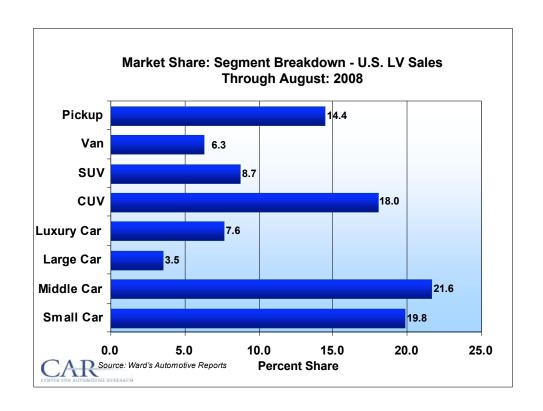


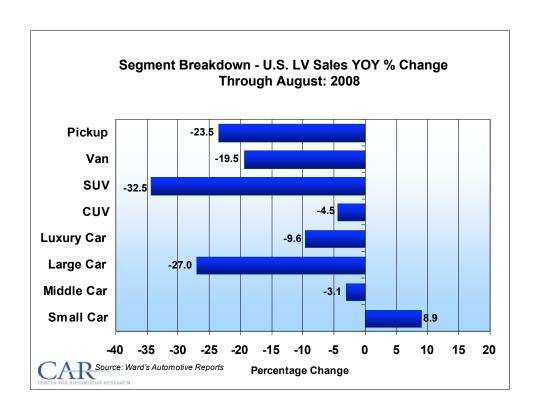












Ford Sales Performance by Segment YOY Difference thru August: 2008 vs. 2007

(28% of total Ford Sales) Pickups - 23.4%

Contractors are buying fewer pickups due to housing market slump, pickups no longer viable for commuting

SUVs - **38.9%** (8% of total Ford Sales)

Explorer is selling poorly despite recent redesign, replacing this segment for most buyers

- 7.0% (38% of total Ford Sales) Reduced fleet sales and incentives

CUVs -0.9% (18% of total Ford Sales) The Edge and Escape continue to sell well, Flex arriving in showrooms

Source: Automotive News Data Center

GM Sales Performance by Segment YOY Difference thru August: 2008 vs. 2007

Pickups - 23.4% (24% of total GM Sales)

> Contractors are buying fewer pickups due to housing market slump, pickups no longer

viable for commuting

SUVs - 35.6% (13% of total GM Sales) GMT900's and GMT360's struggle

- 9.7% Cars (46% of total GM Sales) Too much old product; Aura and Malibu to the rescue

CUVs - 5.9% (11% of total GM Sales) Lambdas transform GM's CUV lineup

Chrysler Sales Performance by Segment YOY Difference thru August: 2008 vs. 2007



Pickups - 30.9% (18% of total Chrysler Sales)

Contractors are buying fewer pickups due to housing market slump, pickups no longer viable for commuting



Minivan - 15.7% (17% of total Chrysler Sales)

Transition to new platform, strong competition



SUVs - **35.5%** (23% of total Chrysler Sales)

New Wrangler, Nitro not offsetting struggling Aspen,

Durango and Commander



Cars - 19.6% (32% of total Chrysler Sales)

New Sebring not living up to expectations



CUVs + 12.1% (9% of total Chrysler Sales)

Addition of Compass, Patriot, and Journey boosting sales



RESEAUCH

Toyota Sales Performance by Segment YOY Difference thru August: 2008 vs. 2007



Pickups - 12.6% (13% of total Toyota Sales)

Contractors are buying fewer pickups due to housing market slump, pickups no

longer viable for commuting



Minivans - 11.3% (5% of total Toyota Sales)

Strong competition, slumping segment



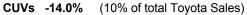
SUVs - 30.8% (5% of total Toyota Sales)

Sequoia sales are up but the 4Runner is struggling



Cars - 2.5% (62% of total Toyota Sales)

Overall market weakness



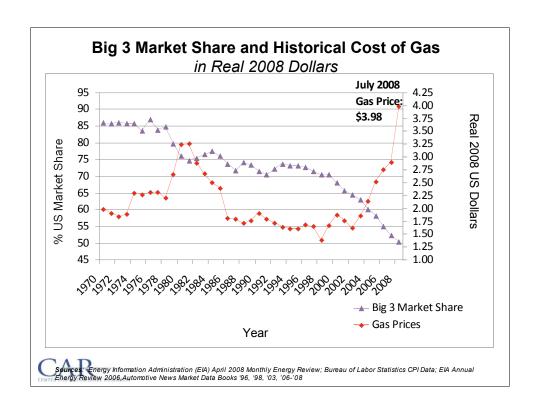
Highlander slumping slightly, RAV4 down nearly

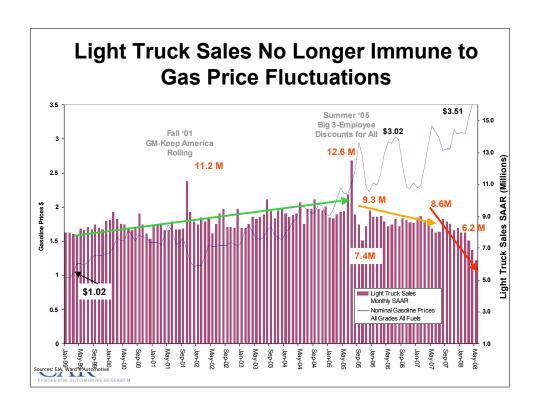
20 percent

Source: Automotive News Data Center

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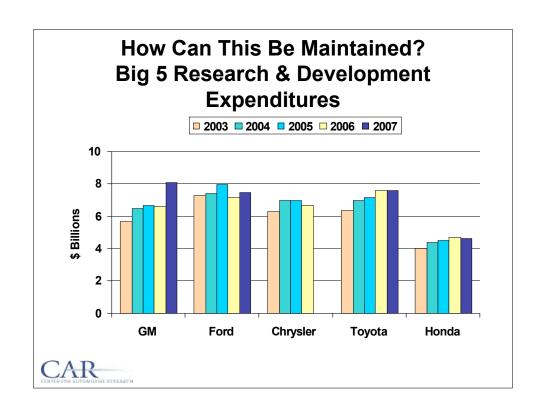
Subtract \$3,000 - 5,000 for Fixed Costs!

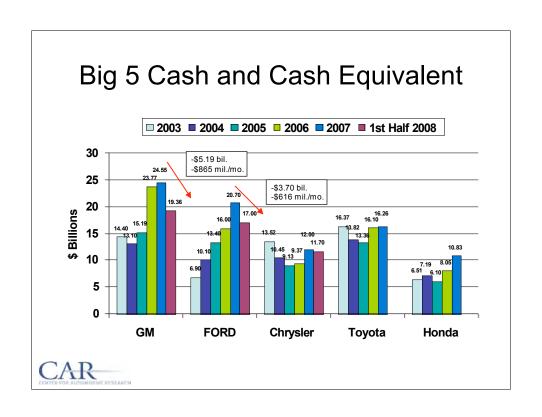
Variable Profit by Segment				
Small Car	\$	2,400	Mid SUV	\$ 4,700
Small CUV	\$	2,900	Large Pickup	\$ 5,200
Small Pickup	\$	2,900	Large SUV	\$ 6,800
Large Van	\$	3,700	Luxury CUV	\$ 7,300
Mid Car	\$	3,900	Luxury Car	\$ 8,400
Mid CUV	\$	4,400	Large Luxury SUV	\$11,100
Minivan	\$	4,600	Mid Luxury SUV	\$12,600

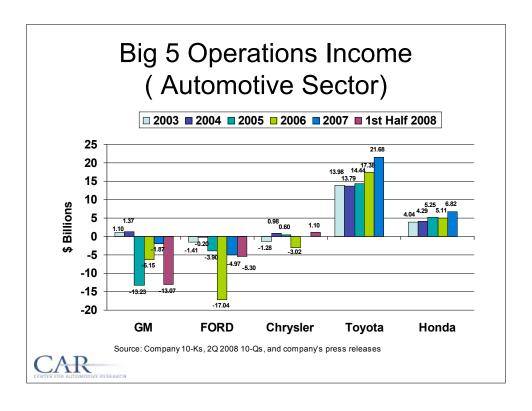
Source: UMTRI, WARD'S AutoInfoBank and CIR Ests

(CitiGroup Investment Research)









Not Much Time or Money Left . . .

- GM will be at \$11 Bil. to \$14 Bil. operating cash limit within 12 months. Sooner if Delphi folds and GM must fund Delphi's underfunded pension obligations and operational needs.
- · Ford will be at its limit in 18 months.
- · Chrysler LLC ???
- "Institutional Debt Markets are closed to OEMs and Suppliers."
 Effective rates are at 15.5+% a year. Use Visa.
- Detroit 3 can borrow from no one . . .
- Lehman Bro. estimates GM will burn \$11.3 Bil. more in cash thru end of 09' and must raise \$7.3 Bil. in Capital. D-Bank estimates an \$11.0 cash burn.
- GM may need to borrow \$12.2 Bil. if overseas markets collapse

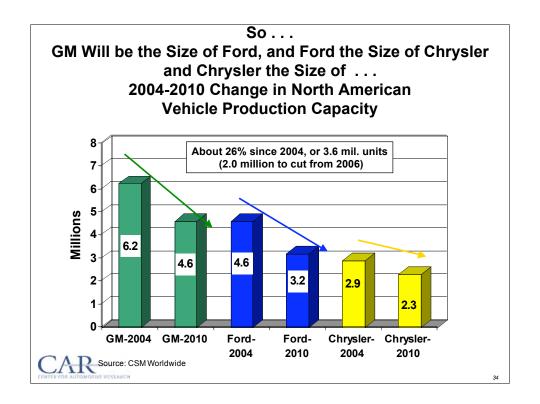


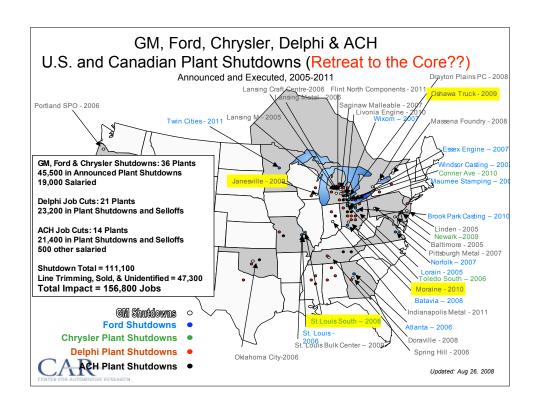


What Can Be Done?

- Sell Assets: But GM's Hummer, Mid-sized Truck, rest of GMAC, and OnStar have no bidders. Ford has pledged all assets against loans. Can sell Volvo/Saab – for what?
- Issue Equity to retire and acquire debt spin-off international divisions and issue new shares for these subsidiaries. \$10 Bil. at GM?
- Cut Costs. This is being done, but the bone is being cut . . . And the companies are shrinking.
- Ask the Feds for a \$50 Bil. bailout Loan at T-Bill rate.
- Re-negotiate again with the UAW . . . Or Ch. 11.

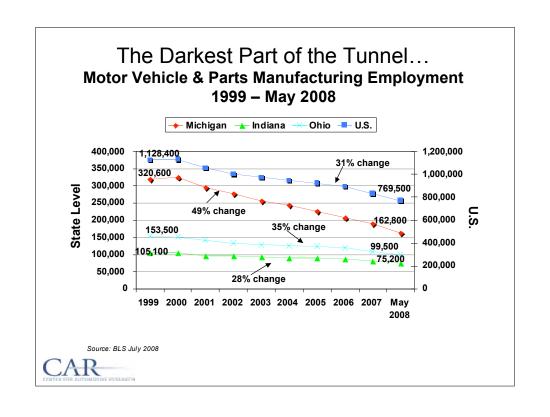


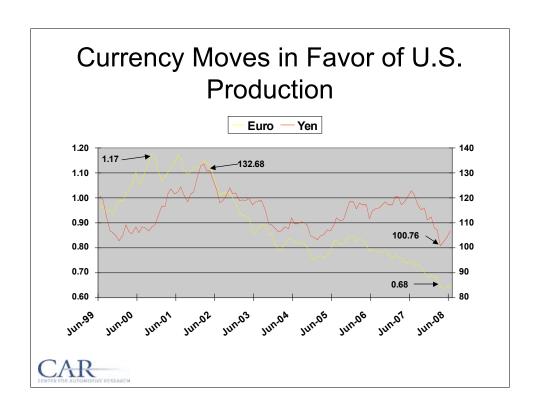


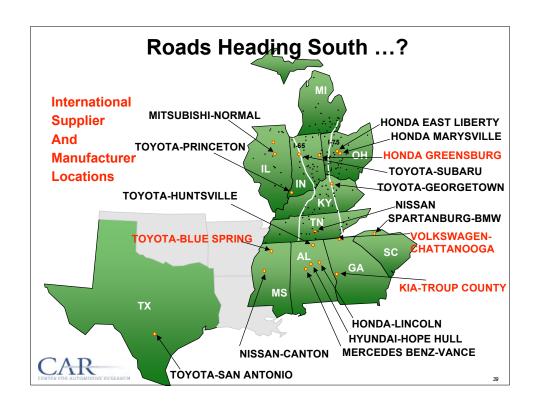


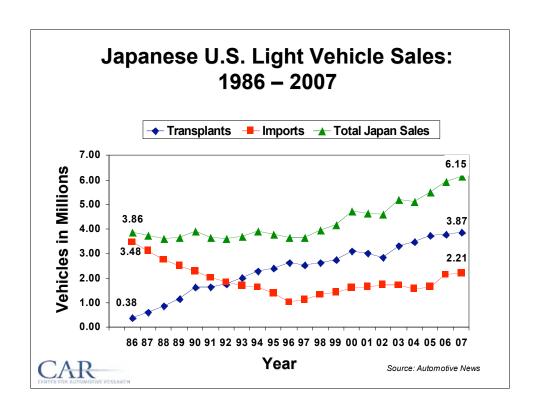
Economic Impact of the Automotive Industry in Michigan, Ohio & Indiana

	Indiana	Michigan	Ohio	Tri-State Total	Rest of U.S.	TOTAL U.S. Losses
Direct Employment	10,906	18,912	14,000	43,818	0	43,818
Intermediate Employment	15,075	36,200	25,265	76,540	40,860	117,400
Spin-off Employment	25,392	39,219	34,608	99,219	104,763	203,982
Total Employment	51,373	94,331	73,873	219,577	145,623	365,200
% of Labor Force	1.8%	2.2%	1.4%	s 1.8%	0.1%	s 0.3%
Total Wages (\$ Millions)	\$ 3,714	\$ 6,701	\$ 4,817	15,23 2	\$ 8,486	23,71 8
Tax Revenues (\$ Millions)	\$ 438	\$ 776	\$ 646	\$ 1,861	\$ 1,133	\$ 2,994
Average Annual Wages Lost Per Worker	\$ 72,29 5	\$ 71,03 5	\$ 65,21 1	\$ 69,37 0	\$ 58,27 2	\$ 64,94 5

















VW Will Build Plant(s) for U.S. Production

New Plants:



- · Car Assembly of most likely VW Passat/Audi models
- · Will likely need engine and transmission plants as well
- VW has confirmed that Chattanooga TN will home to new \$800 million assembly plant
- VW must protect itself from the rising Euro; has announced very ambitious goals for N. American sales





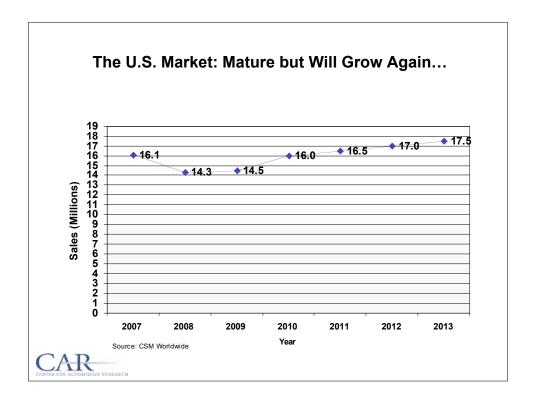
Emerging Global Vehicle Development Centers of Expertise – a lot of vehicles we don't build... Yet







	venicie Segment	Location	Prominent Example
	Small Cars	Korea, Germany	GM/Daewoo, Astra, Cruze
	Mid-size FWD Cars	Germany, Japan	Next GM Saturn Aura
	Mid-size/Large RWD Cars	Australia, U.S.	09 Camaro, Future Mustang
	Luxury RWD/FWD	U.S.	Cadillac, Buick
	Small CUVs	Korea, Europe	Hyundai Santa Fe, Opel Antara
	Mid/Large CUVs	U.S.	GM Lambda Platform
	Small SUVs/Pickups	Brazil	GM/Isuzu, Ford
CAI	Full-size SUVs/pickups	U.S.	Big Three, Toyota, Nissan



So, Does the Industry Need a \$50 Billion Loan Guarantee? (not a bailout)



- Economically significant industry
- Unfunded mandates...



