The U.S. Automobile Industry Outlook

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Kim Hill
Group Director
Associate Director, Research
Center for Automotive Research





It's All About Product!



















The Automotive Industry Is Changing Rapidly

In the past ten years, we have had:

- Record-high sales
- Record declines in sales and employment
- Structural industry changes
- Government involvement
- Regulatory changes
- Materials uncertainty
- Massive technological advances
- Fuel price volatility
- Continued international competition

- Mergers, acquisitions, and bankruptcies
- New investments and old plant retirements
- Agglomeration of domestic industry in the upper-Midwest
- Location decision of internationals
- Reconfiguring supply chains
 - Risks—tsunami, etc.
 - Transportation costs
- Record number of plant closings

Natural Disasters



Changing Consumer Trends





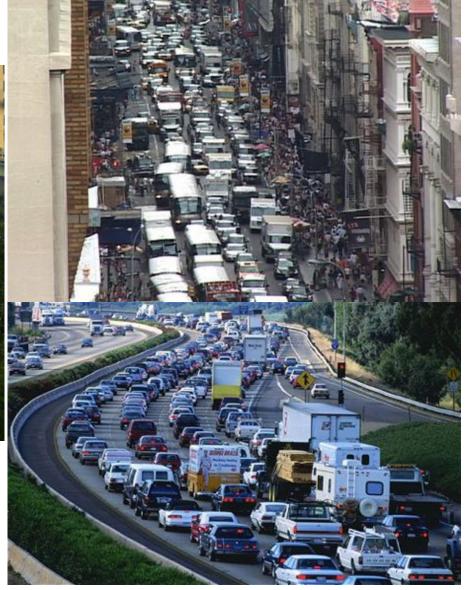






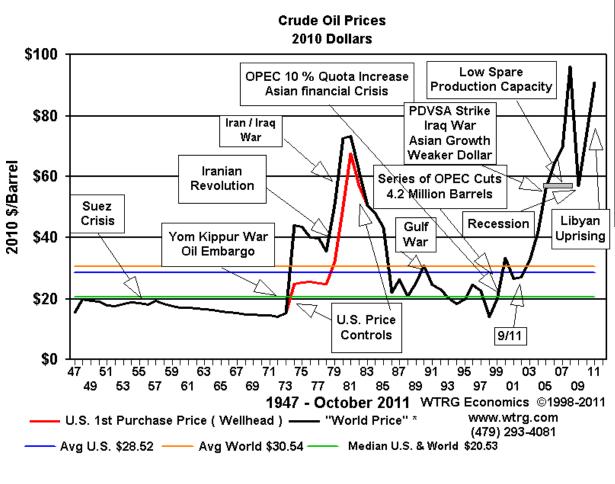
Infrastructure Challenges



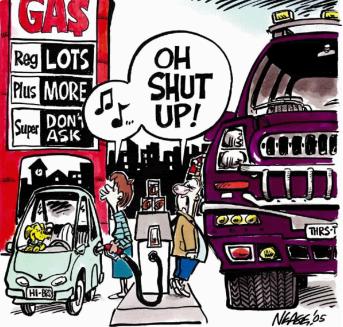




Fuel Price Volatility





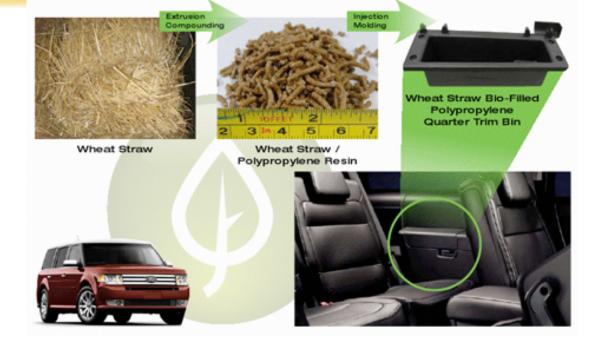




Material Uncertainty

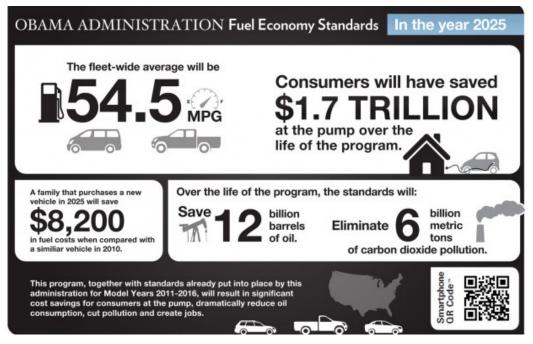


Bio-Based Materials





Regulatory Uncertainty



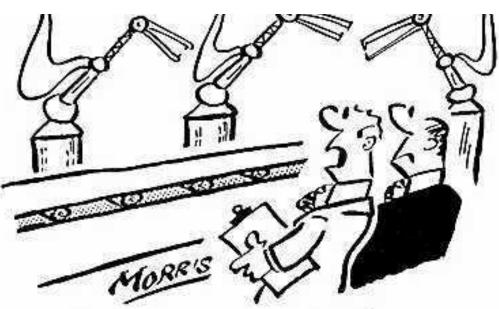


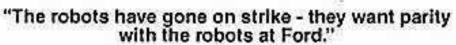




Structural Industry Changes









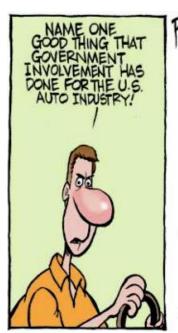
CENTER FOR AUTOMOTIVE RESEARCH







Government Involvement







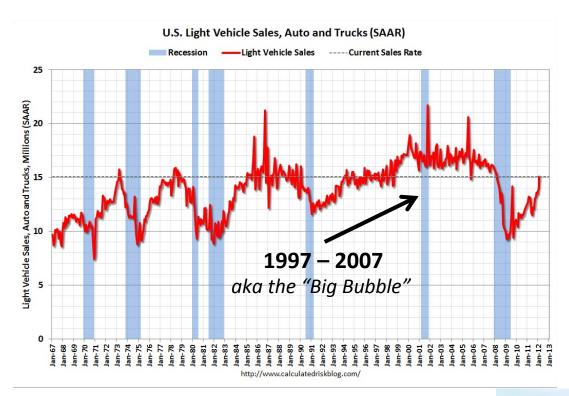




International Competition



Record High Sales





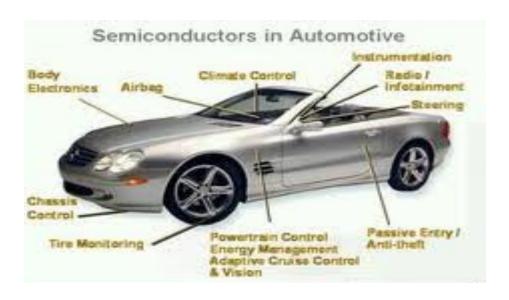


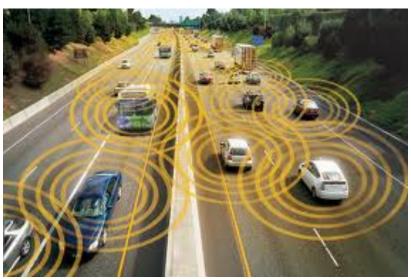


Low Sales and Employment



Technological Advances











Economy Growing at Stall Speed





Capacity: Flexible, Profitable and Constrained



Global Financial Crises











Impacts Felt Around the World – Supply Chain Dynamics



Consumer Confidence, Household Wealth and Getting Consumers to the Showroom









Assessment of Tax Revenue Generated by the Automotive Sector





Study Findings

- Auto industry generated over \$130 billion in government tax revenue in 2010, including \$91.5 billion for state governments and \$43 billion for the federal government.
- The sources of these revenues include:
 - Sales taxes (\$30 billion)
 - Income taxes (\$15 billion)
 - Taxes and fees on use (\$89 billion)
 - Business taxes and fees (\$750 million)



State Government Revenue Overview

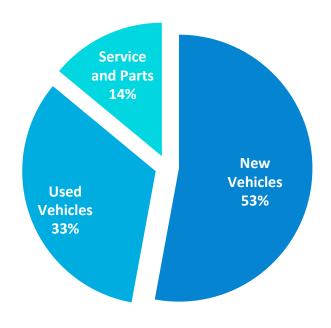
- Auto industry generated at least \$91.5 billion in state government tax revenue in 2010, which is 13 percent of state government tax revenues.
 - \$30 billion from taxes on vehicle sales and service
 - \$860 million from taxes on direct employment
 - \$60 billion from taxes and fees on use of vehicles
 - \$750 million from taxes on businesses



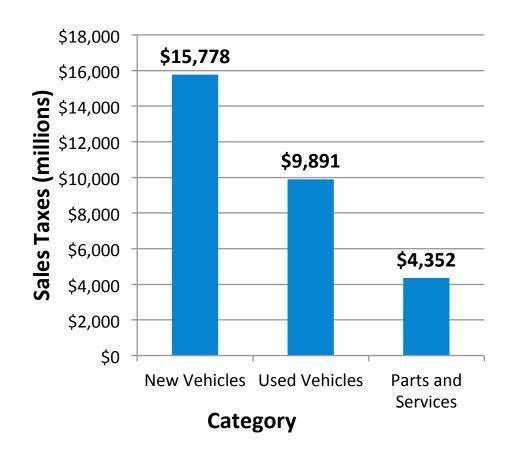
Federal Government Revenue Overview

- Auto industry generated at least \$43 billion in federal government tax revenue in 2010.
 - \$14 billion from taxes on direct employment
 - \$29 billion from taxes on motor vehicle fuels

Sales Tax from Motor Vehicle Purchases



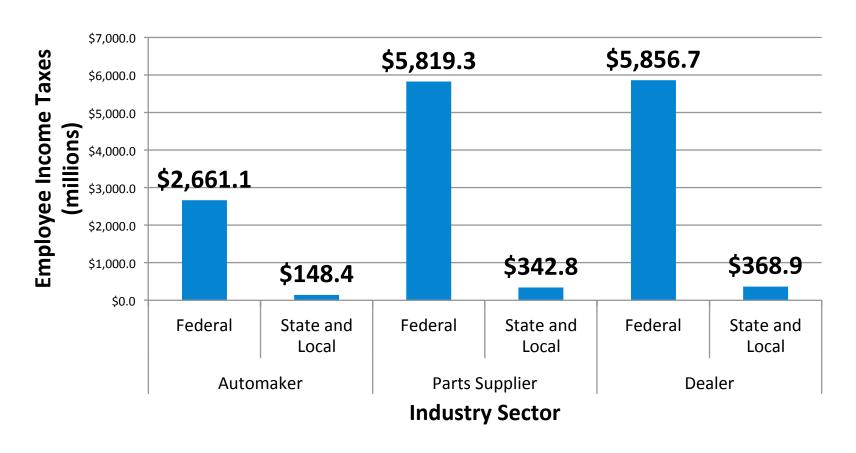
Share of Total Dealership Sales Dollars, 2010



Total Sales Taxes Collected by States on Motor Vehicles, Parts, and Service, 2010



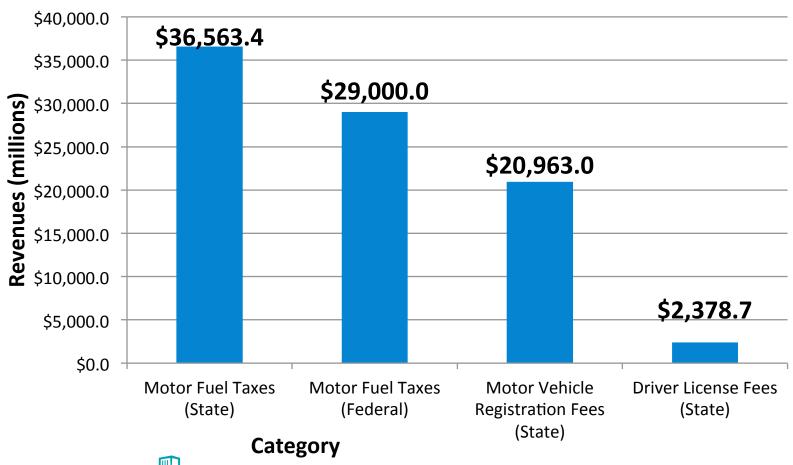
Personal Income Tax of Automotive Employees





Estimated Direct Worker Income Taxes Paid in the United States, 2010

Vehicle Use Taxes, Licenses, and Fees



Automotive Communities Partnership

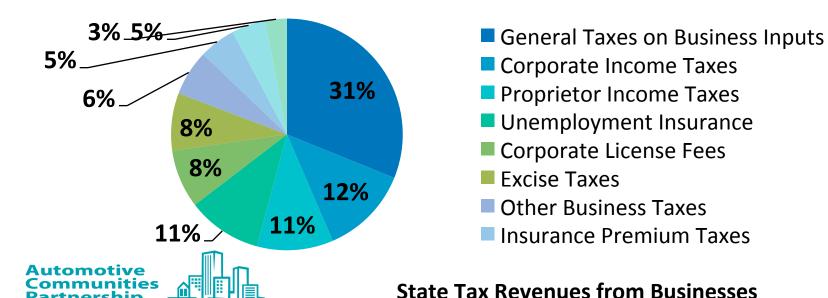
Use Tax Revenues, 2010

Corporate Income Tax

Estimated State Corporate Income Tax and License Fees Paid by Automakers, Parts Suppliers, and Automotive Dealerships, 2010

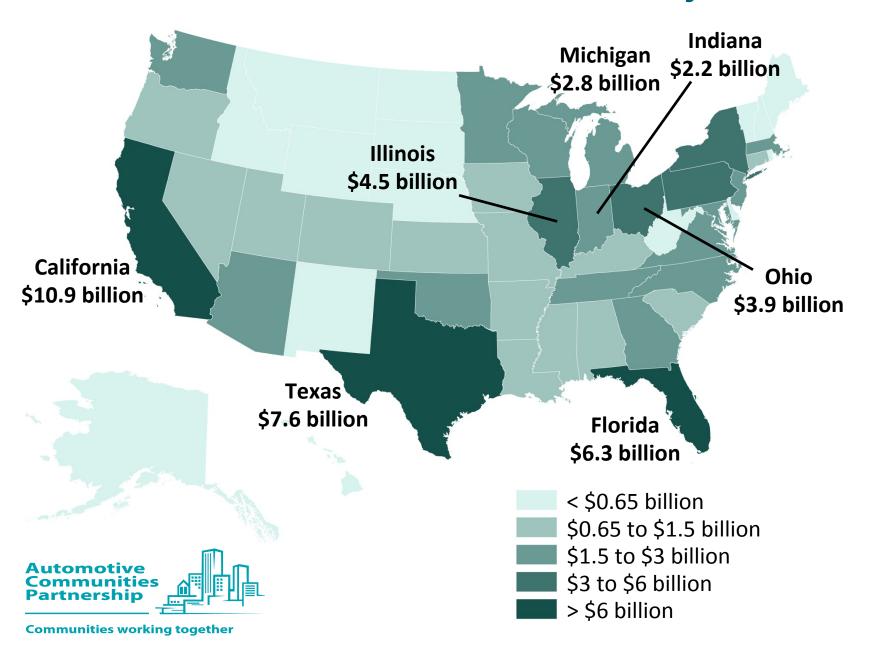
Industry Sector	Corporate Income Taxes and License Fees				
Automakers and Suppliers	\$295,506,347				
Dealerships	\$458,059,000				
Total	\$753,565,347				

by Type of Tax, 2010

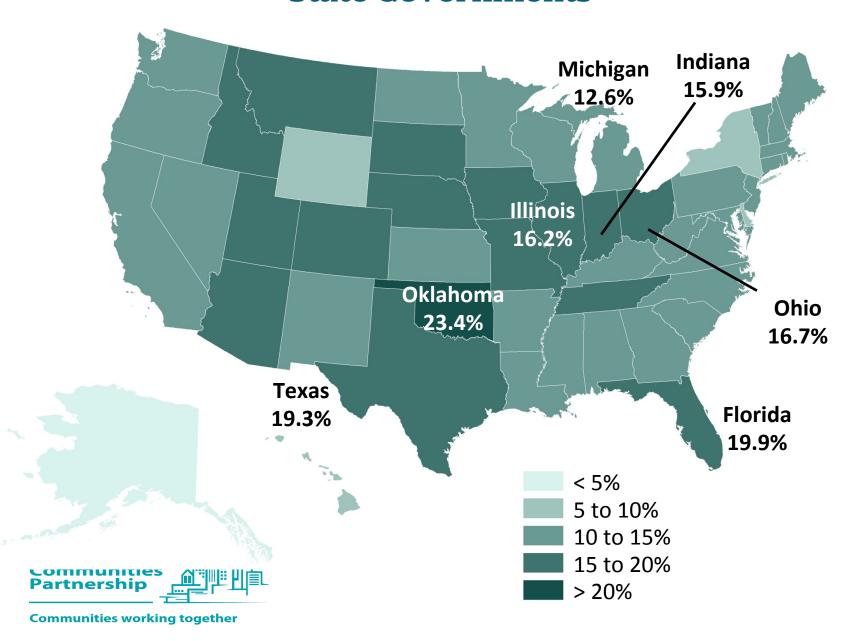


Communities working together

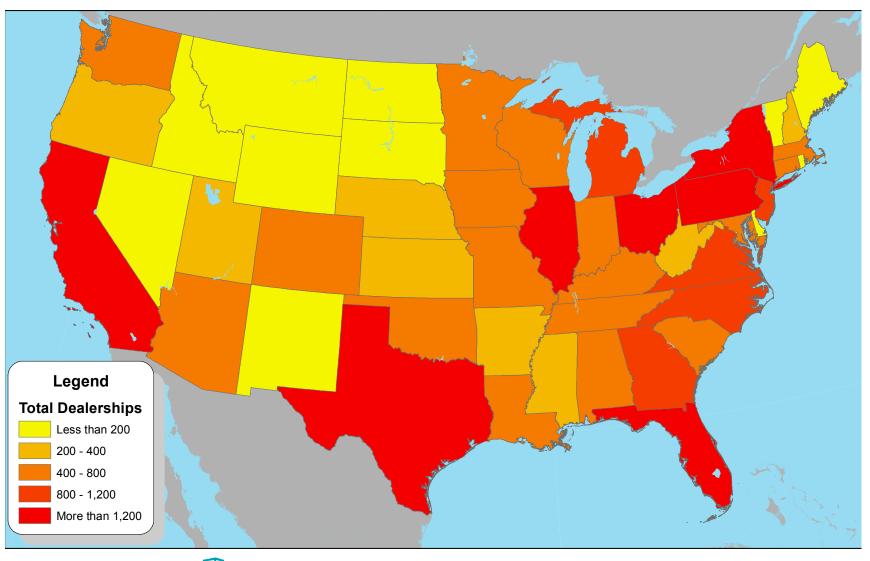
Total Automotive Tax Revenues By State



Tax Revenues as a Percentage of Total Taxes Paid to State Governments



Total Dealerships by State





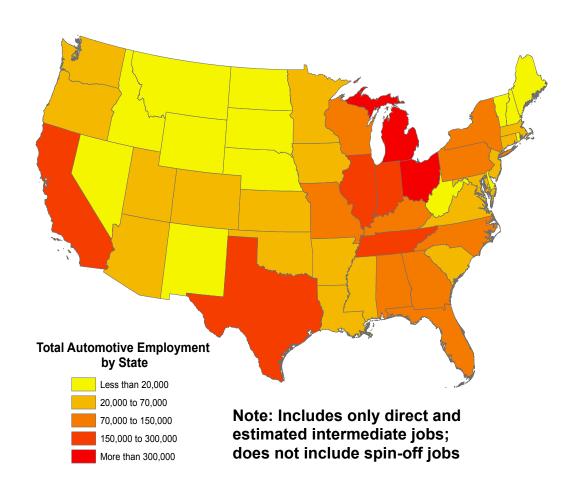
Sources: OneSource Database

Economic Contribution Study Findings

- An estimated:
 - 8 million private sector jobs,
 - more than \$500 billion in annual compensation, and
 - nearly \$70 billion in personal tax revenues
 - are generated by the automotive industry's total U.S. automotive operations, including new vehicle development and production, parts manufacturing, along with the contribution from the sales and service of new vehicles.



Automotive Industry Total Employment









Automotive Industry Payroll Compared to Major Federal Budget Expenditures

\$260 BILLION



\$452 BILLION



MEDICARE spending

\$500 BILLION



AUTOMOTIVE payroll

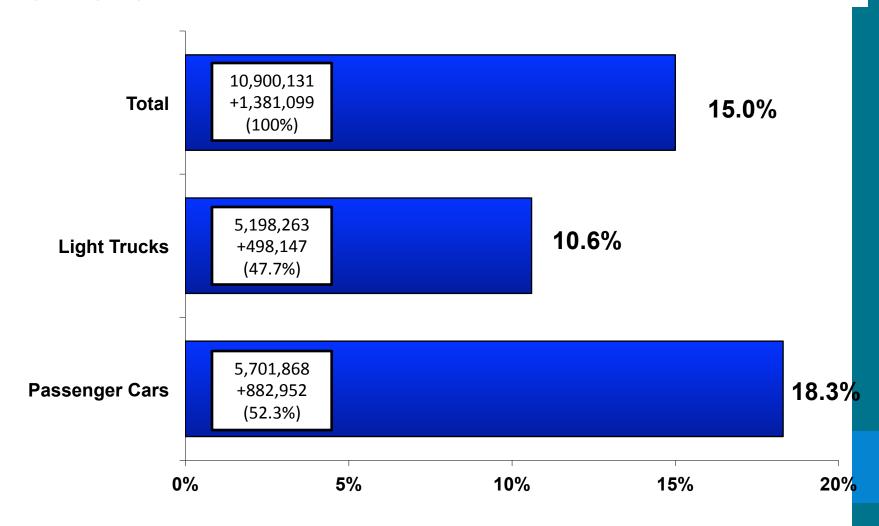
\$553 BILLION



DEFENSE DEPT. budget

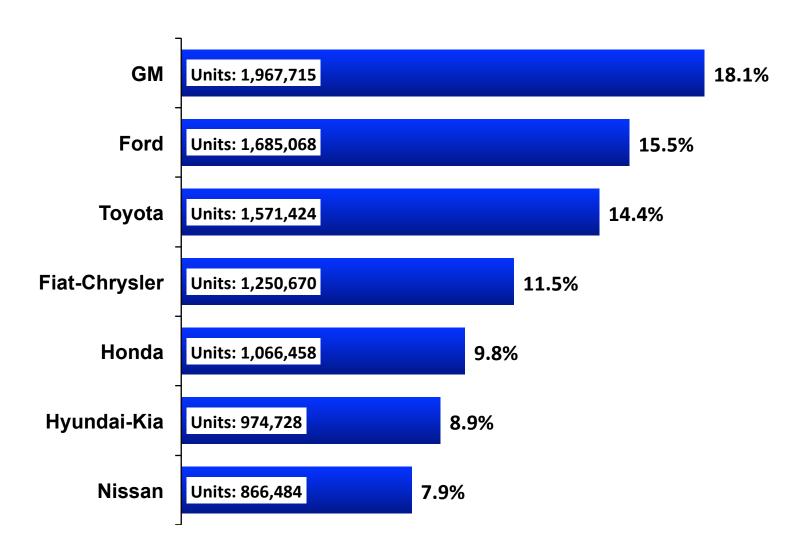


U.S. Light Vehicle Sales
Percent Change YTD Through September:
2012 vs. 2011



Source: Automotive News; CAR Research

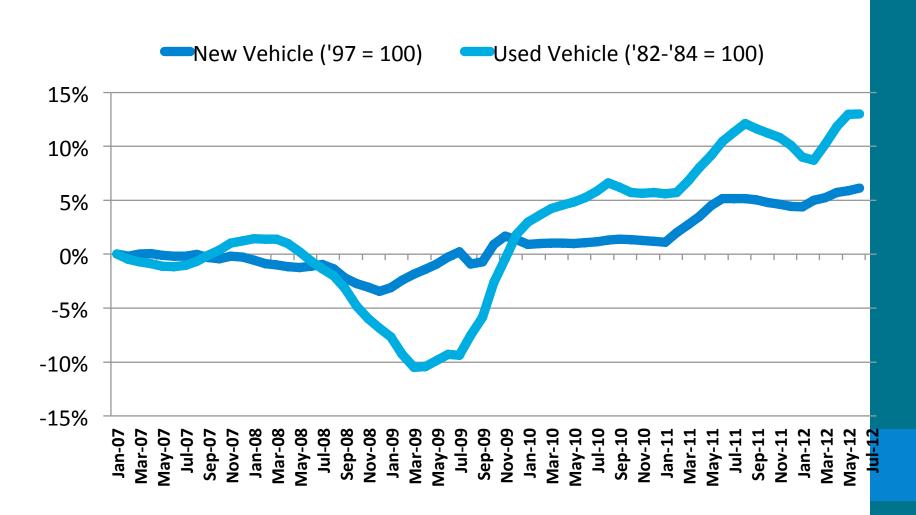
U.S. Market Share: YTD September 2012



Source: Automotive News; CAR Research

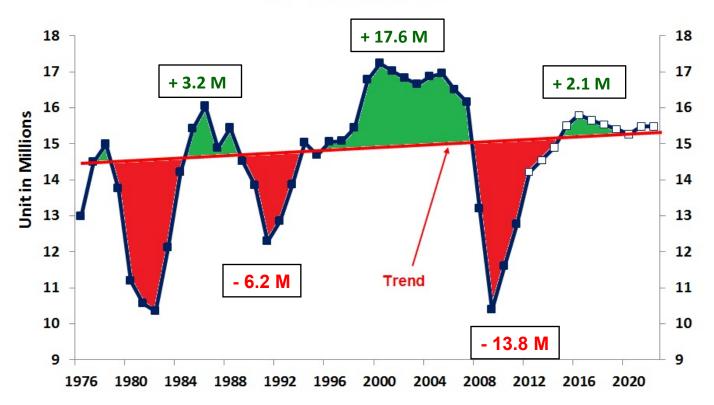
Used Cars Are More Expensive Than Ever!

Vehicles Prices Indexes Changes from Jan 2007



What Role Pent-up Demand?



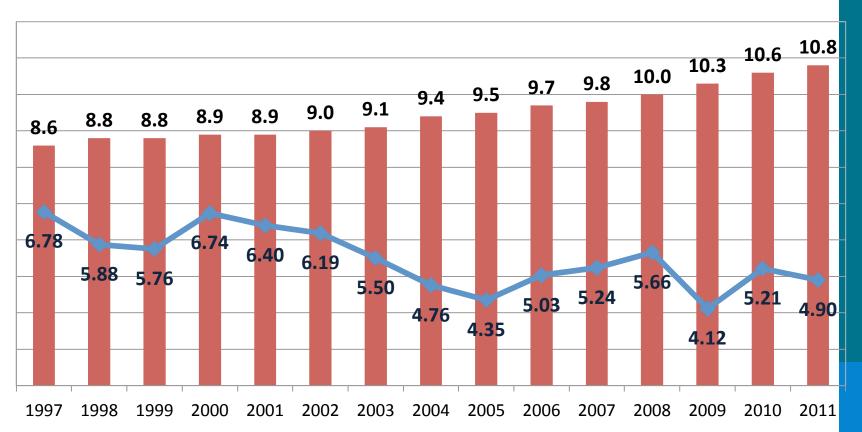


U.S. Sales Forecast (Millions)											
2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	
14.2	14.6	14.9	15.5	15.8	15.7	15.5	15.4	15.3	15.5	15.5	



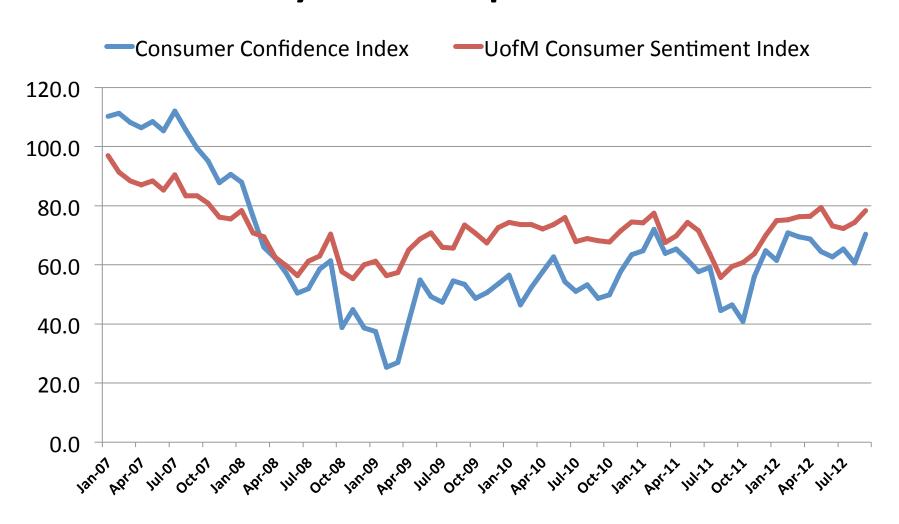
They are Getting Old ... U.S. Light Vehicle Age and Scrappage Rate





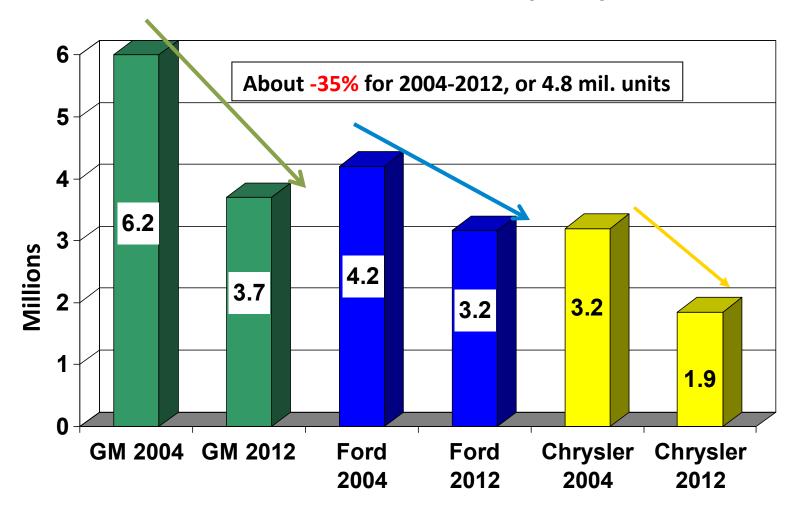
Source: R.L. Polk

Consumer Confidence & Sentiment January 2007—September 2012



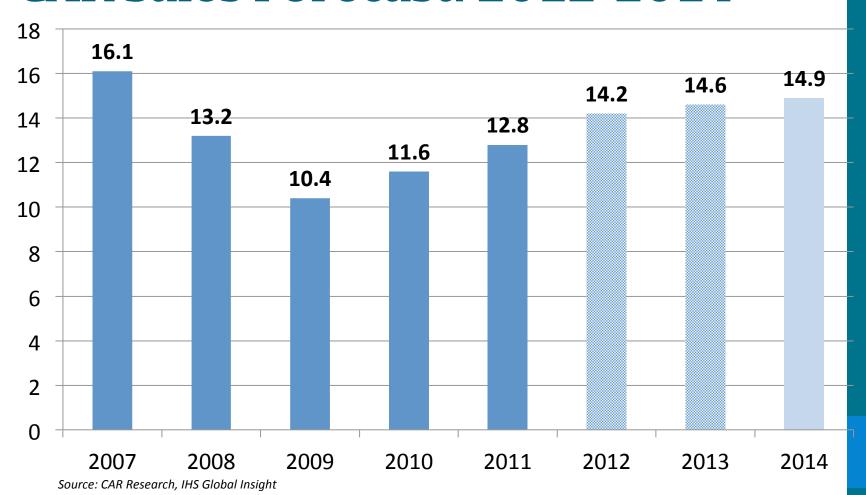
Source: The Consumer Confidence Survey, conducted for the Conference Board; Federal Reserve Economic Data

And Capacity Was Reduced . . . 2004-2012 Change in North American Vehicle Production Capacity

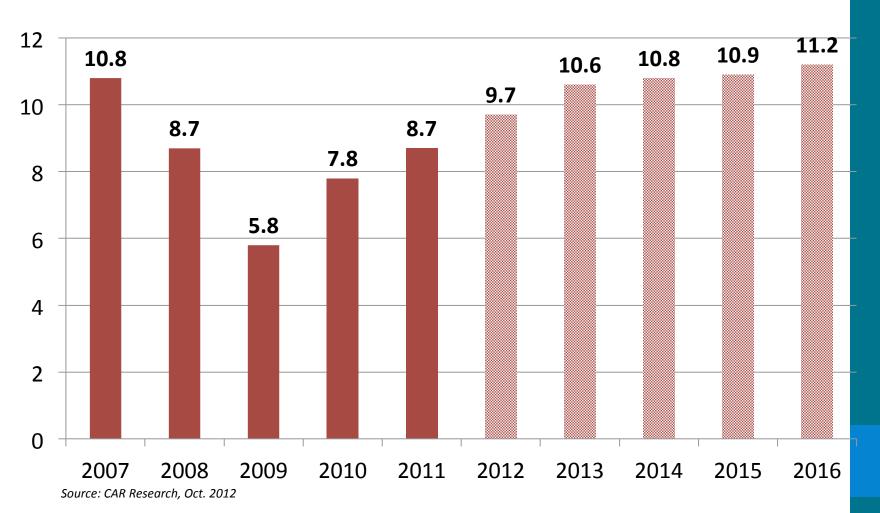




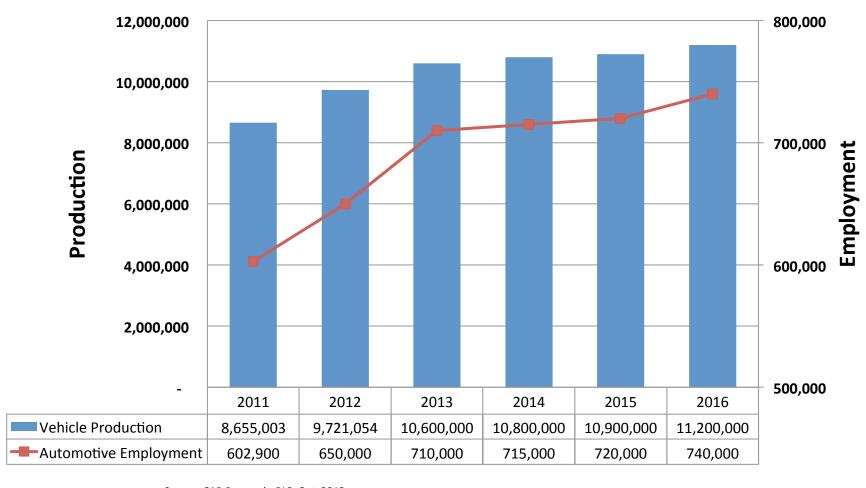
U.S. Light Vehicle CAR Sales Forecast: 2012-2014



U.S. Vehicle CAR Production Forecast: 2007-2014



U.S. Vehicle Production & Automotive Employment Forecasts



Source: CAR Research; BLS, Oct. 2012

Other Stuff Now Done Right . . .

- Dealer Re-Structuring (It's Working!)
- Fewer Brands (People buy products not divisions)
- Manufacturing productivity at world-class levels
- Finances about at investment grade (plenty of cash)
- Quality results so close/need new benchmarks
- Pension shortfalls actively being worked on
- European technology now being sold in U.S.
- Global growth in China for GM

Still Needs Work . . .

- Europe . . .
- Supplier relationships/contracting
- Insularity "We know it all"
- Planning <u>needed</u> innovation
- Effective partnering
- Reducing influence of governments
- Increasing coverage of the auto value chain
- Overall level of profitability







U.S. Auto Sales are Stagnating with the Economy

Good:

- Used Vehicle prices and age of fleet are high
- Credit is more available/interest rates low
- Dollar is low against Yen and against Euro

But . . .

Bad:

- Economy growing at "stall speed"
- Unemployment rate and length is terrible
- •House prices . . .
- Stock market is volatile—wealth effect
- States/Cities cutting spending and employment
- •Consumer confidence. . .
- •Gas prices spiking with food prices
- •Higher commodity prices = higher auto prices
- •Employers are hesitant to hire or invest . . . Until?

Conclusions

- Slow Growth in New Auto Sales Due to Slow Economic Growth/High Unemployment
- Vehicles on Road Will Get Older: More Repairs
- 14.2 mil. U.S. sales this year ---- Maybe 14.3 mil.
- Intermediate cars selling BIG with 4 cylinders
- Japanese are catching back up
- D3 much more competitive but no more share
- FE Technology will be expensive/proprietary
- Big worry about government budget cuts/taxes next year
- Administration change???(see slide number 3!)

Thank You

khill@cargroup.org

734-929-0488