

Automotive Industry Outlook

Federal Reserve Bank of Chicago

12th Annual Automotive Outlook Symposium
June 3, 2005

Topics Today

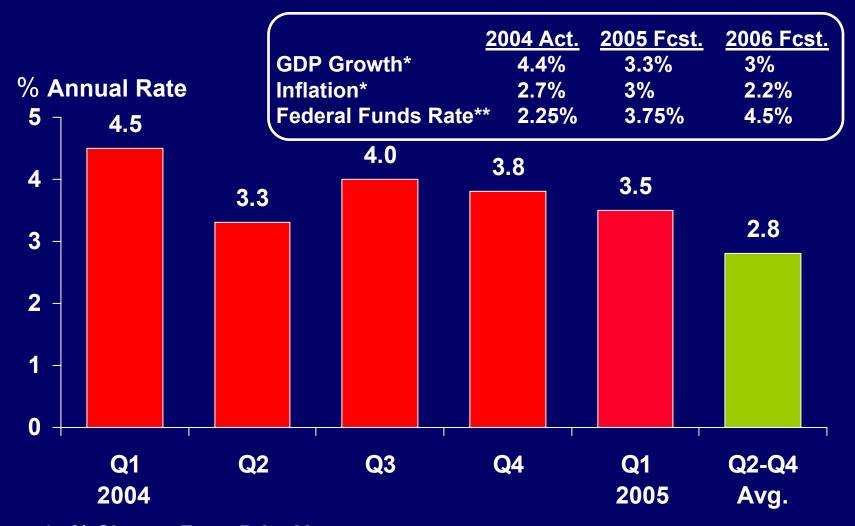
- Fundamentals for Vehicle Buying
- Housing and Autos Decoupled
- Vehicle Stock and Scrappage Rates
- Outlook Summary

Vehicle Buying Fundamentals

Key Points

- Most Factors are Positive for Vehicle Buying
 - Income Growth at 3+%
 - Attractive Values for Buyers
 - Interest Rates are Low
- Gas Prices are a Negative

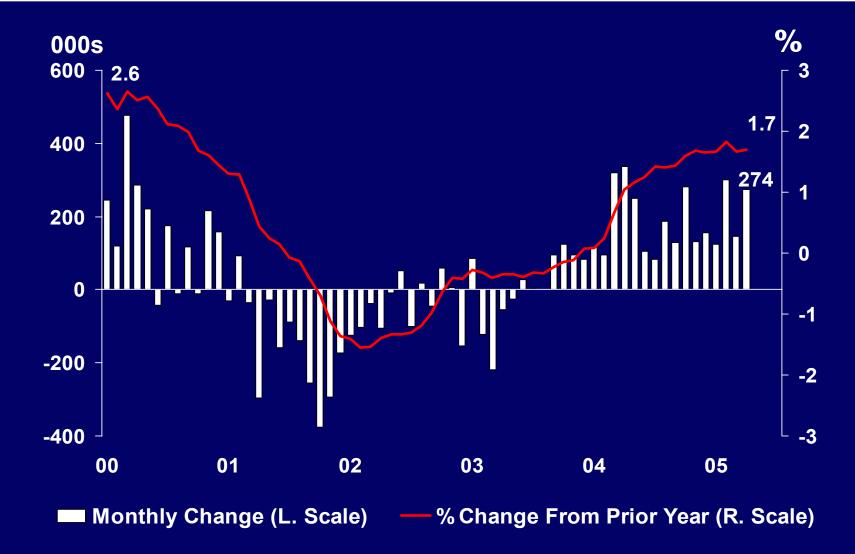
U.S. GDP Growth



^{* %} Change From Prior Year

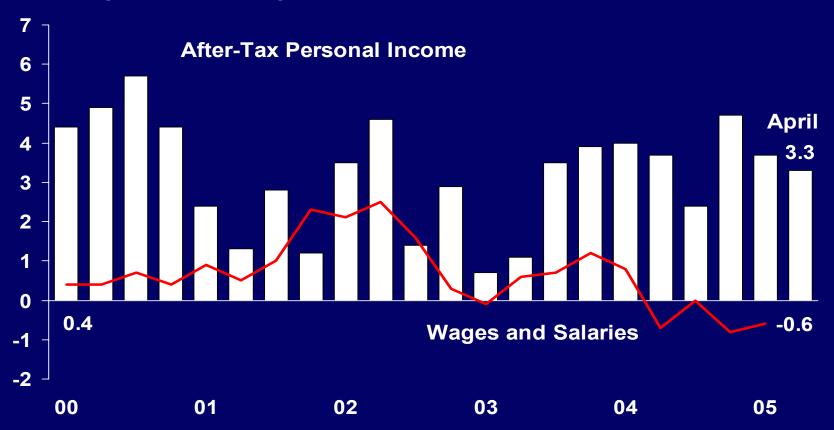
^{**} Period End

U.S. Employment



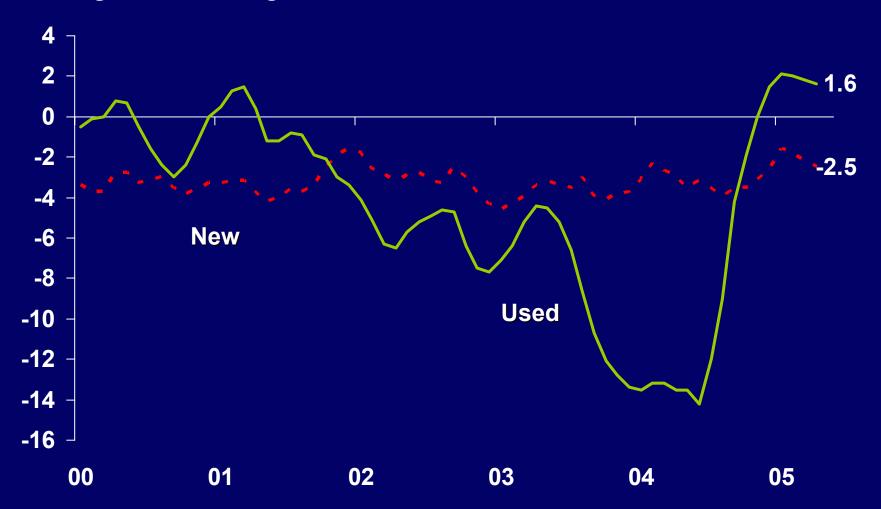
Real After-Tax Income and Private Employment Compensation

% Change Over Year Ago

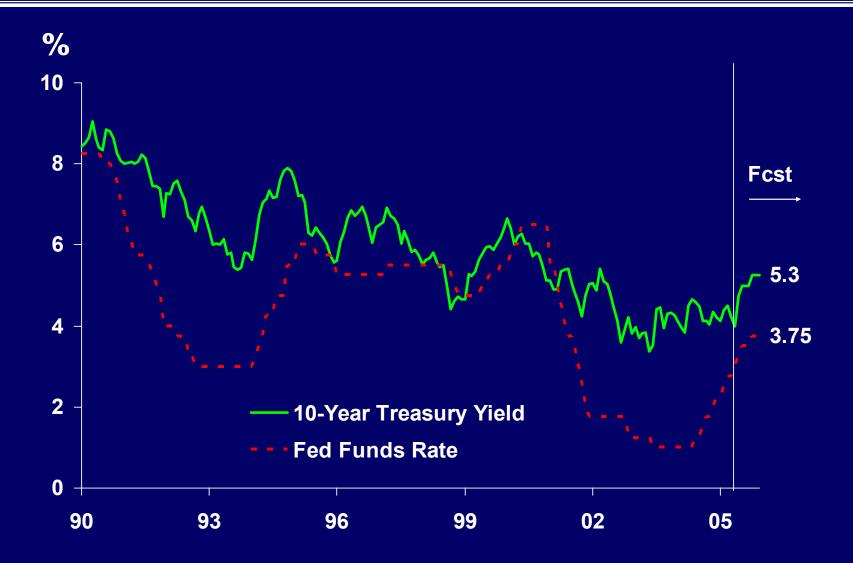


Inflation-Adjusted Vehicle Prices

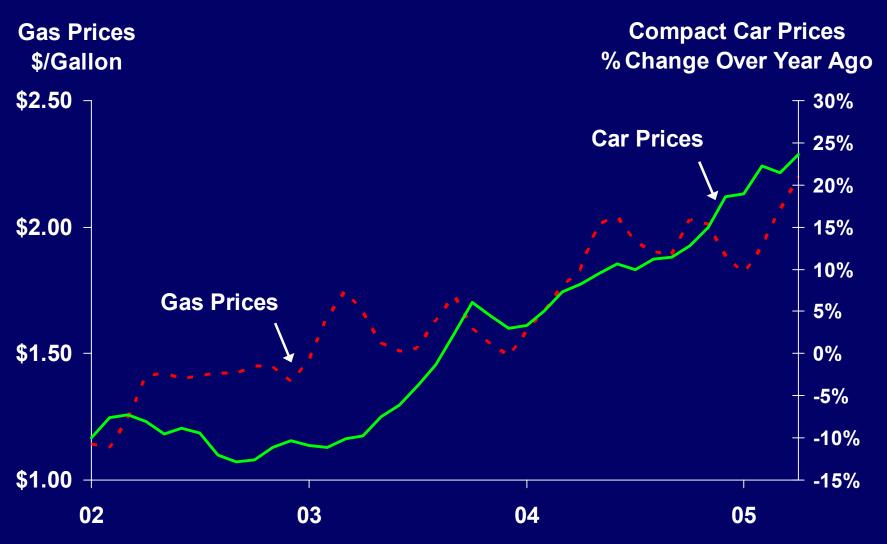
% Change Over Year Ago



U.S. Interest Rates

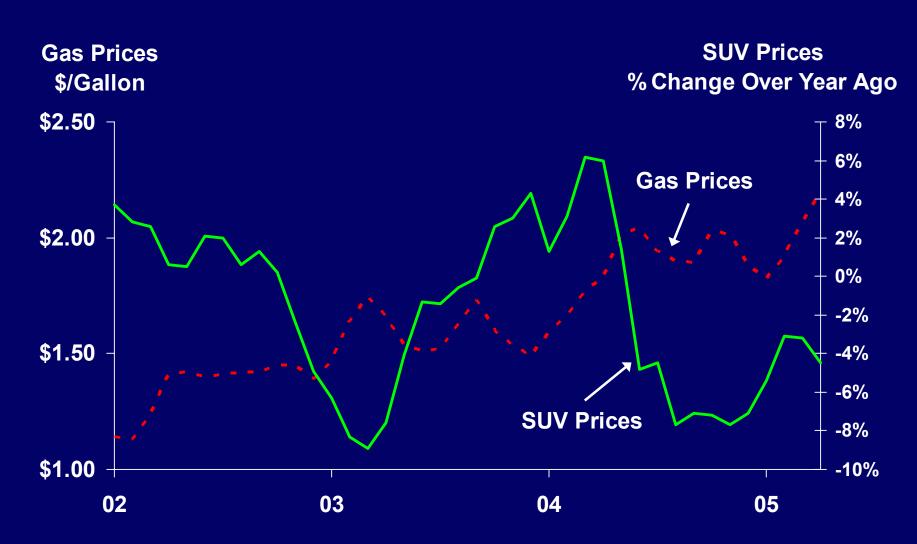


Used Compact Car and Gas Prices



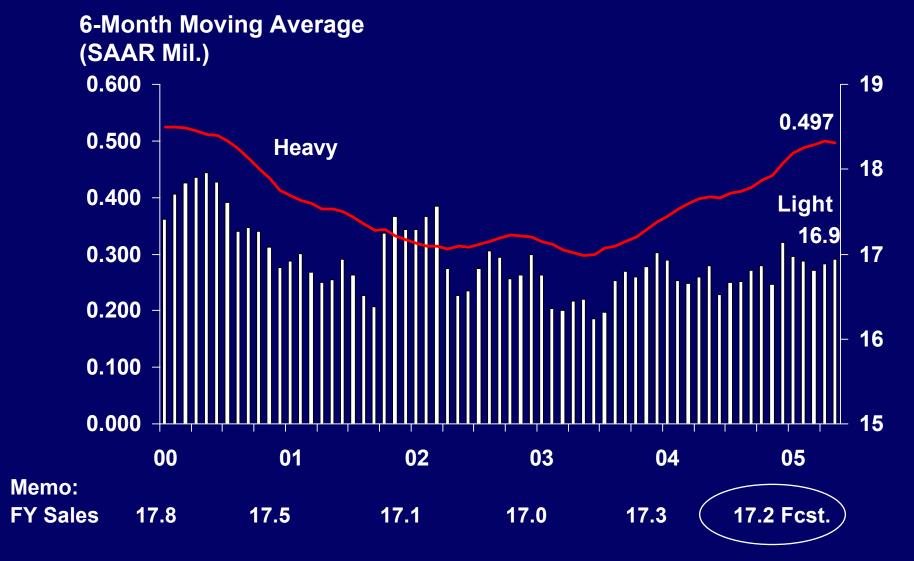
Source: Compact car prices are Manheim auction data

Used Full Size SUV and Gas Prices



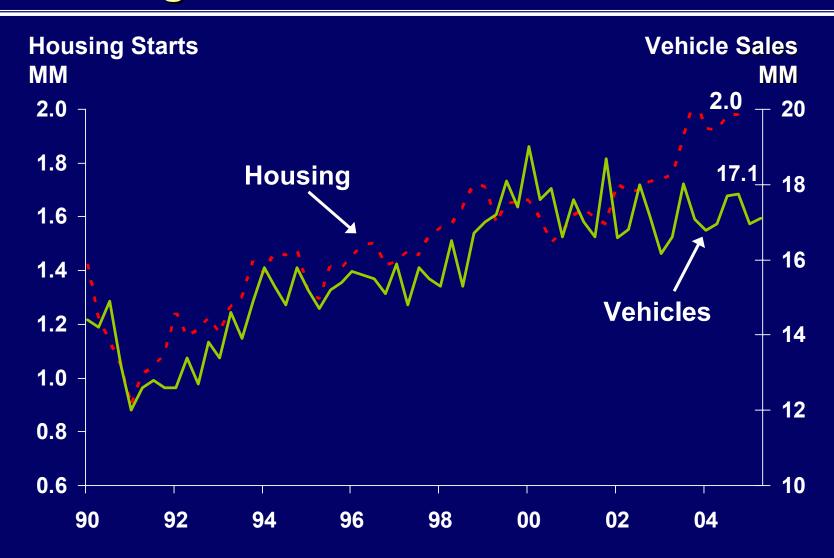
Source: SUV prices are Manheim auction data

U.S. Industry Sales

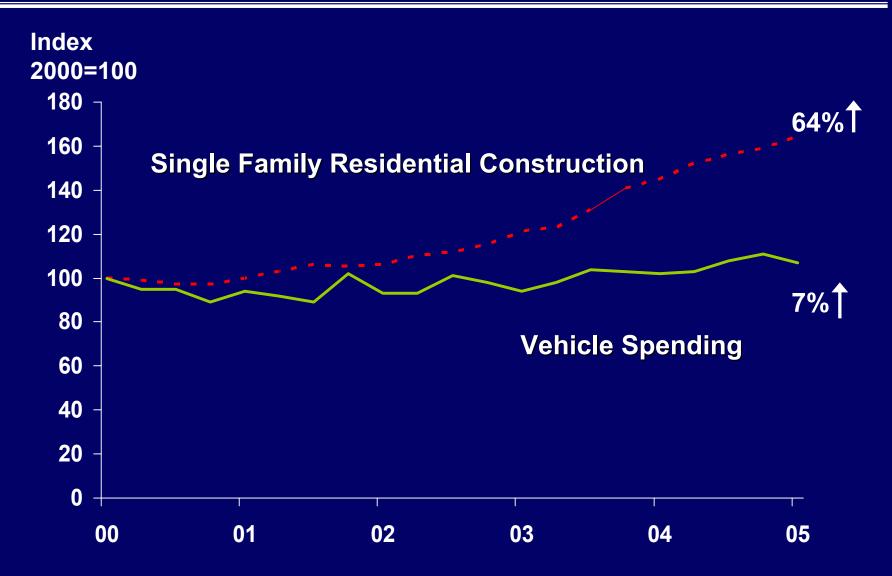


Housing and Autos Decoupled

Housing Starts and Vehicle Sales



Spending on Housing and Autos



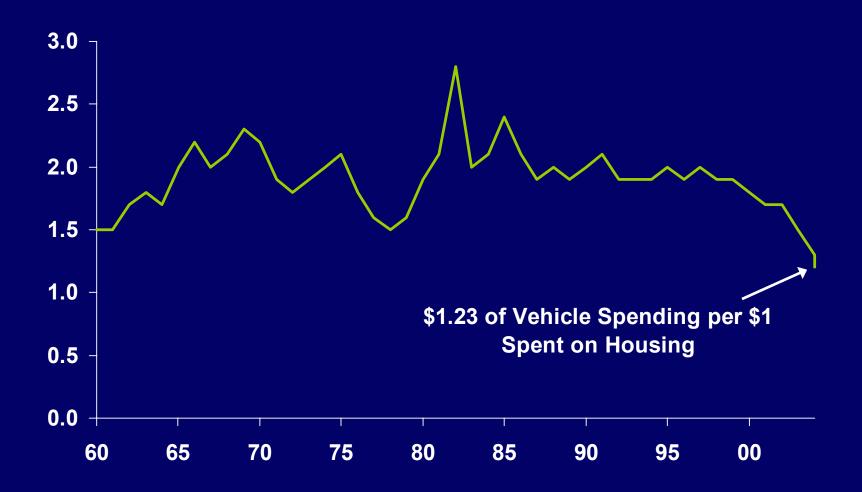
Spending on Housing and Autos





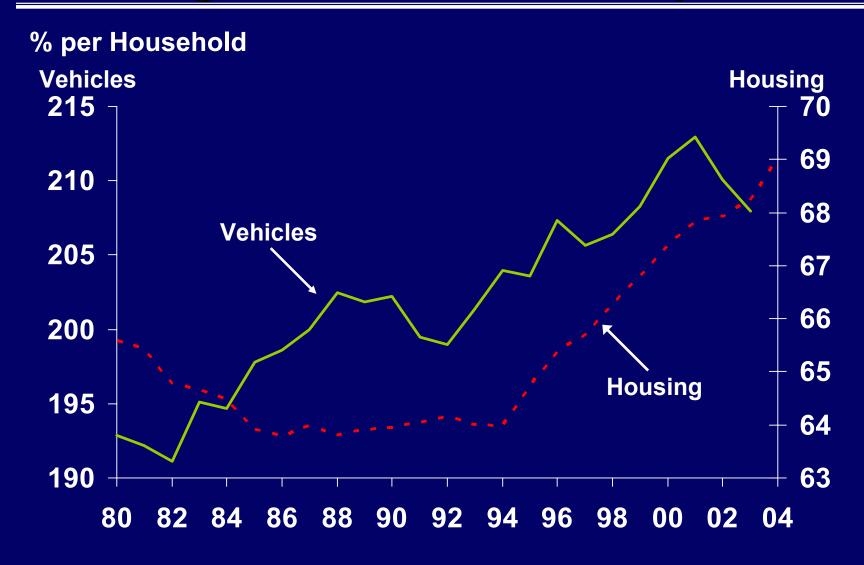
Source: Bureau of Economic Analysis. Based on Current Dollars

Ratio of Spending on Autos to Spending on Single Family Housing

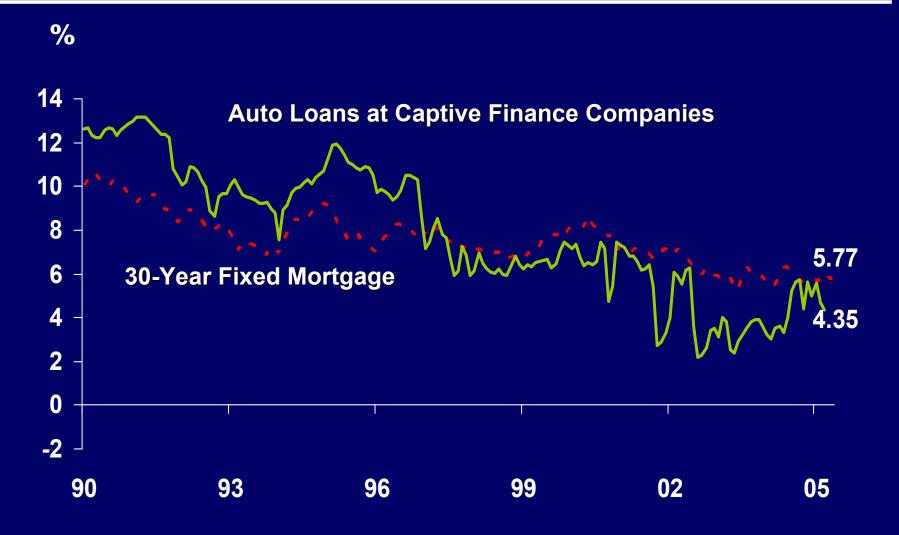


Source: Bureau of Economic Analysis. Based on Current Dollars

Housing and Auto Ownership Rates



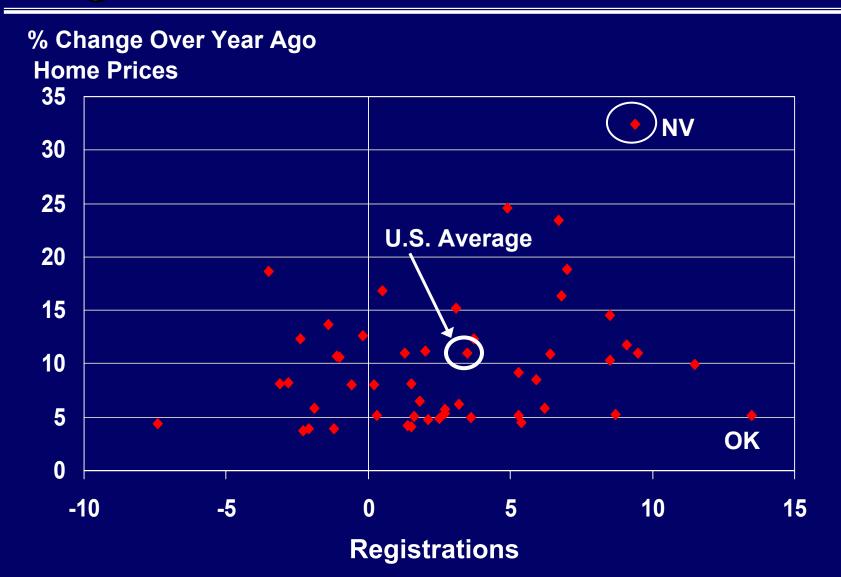
Mortgage and Auto Loan Interest Rates



Housing and Autos Loan-to-Value Ratios

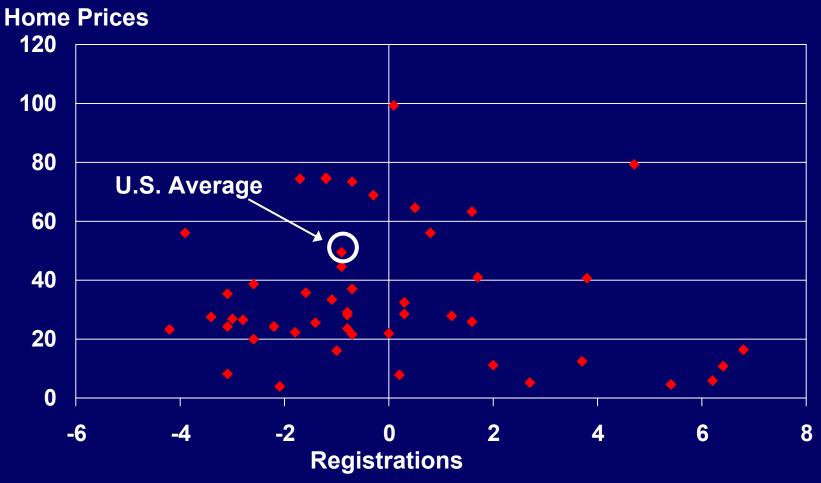


2004 Home Prices and Vehicle Registrations

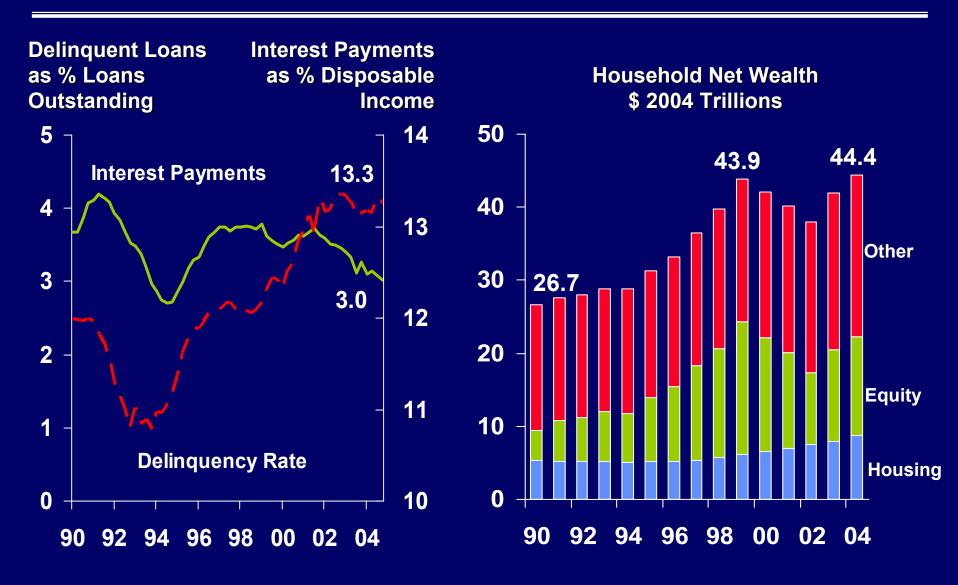


2000-2004 Home Prices and Vehicle Registrations

Average Annual % Change

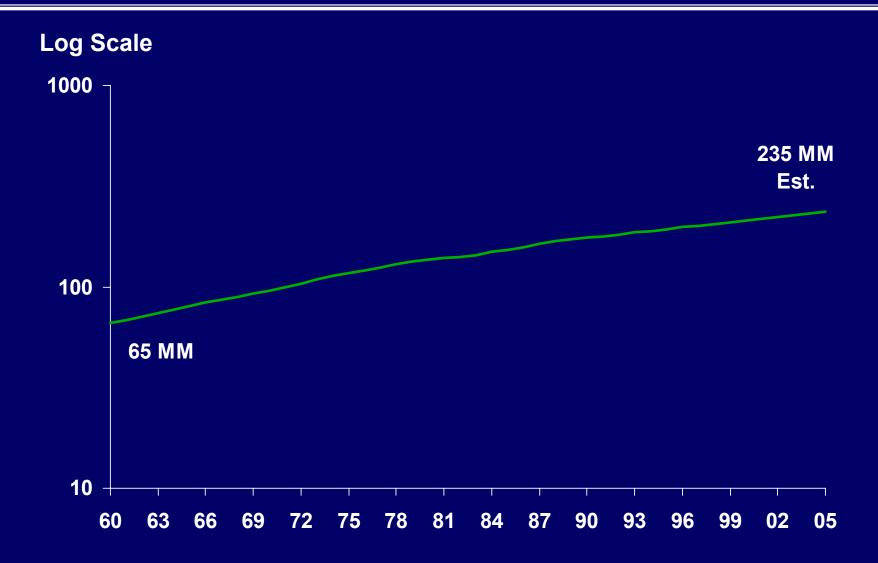


Household Balance Sheets



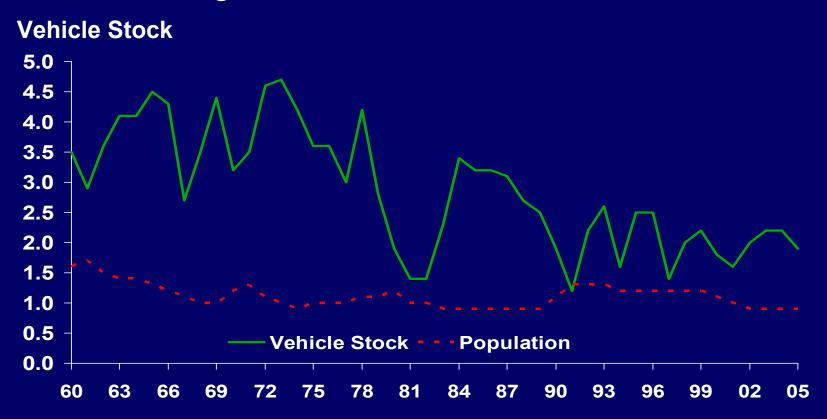
Vehicle Stock and Scrappage Rates

U.S. Vehicle Stock



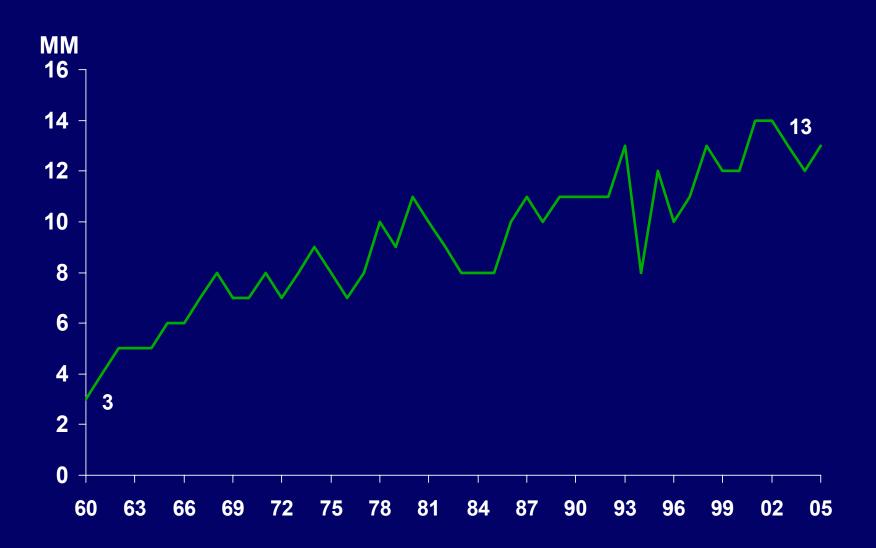
U.S. Vehicle Stock and Population Growth

Annual % Change

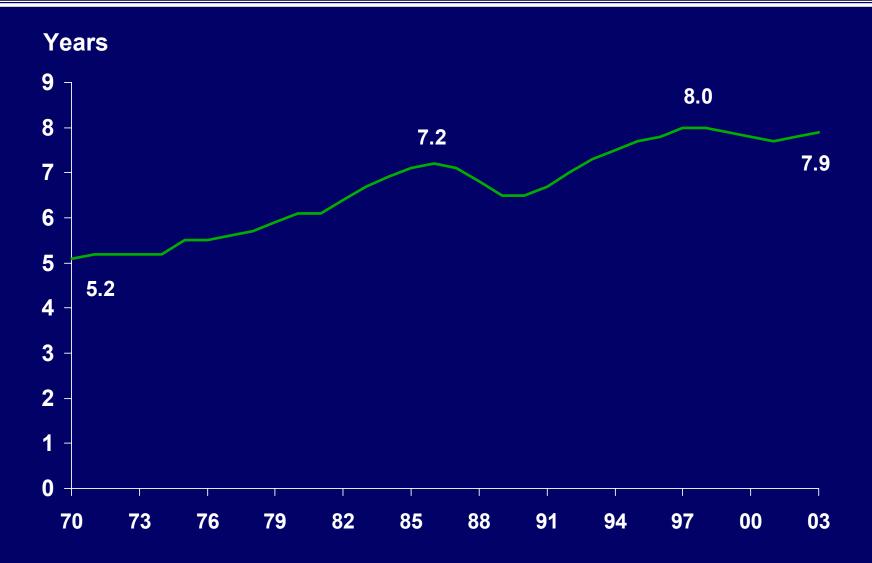


Source: Polk Data, U.S. Census Bureau

U.S. Vehicle Scrappage Estimates



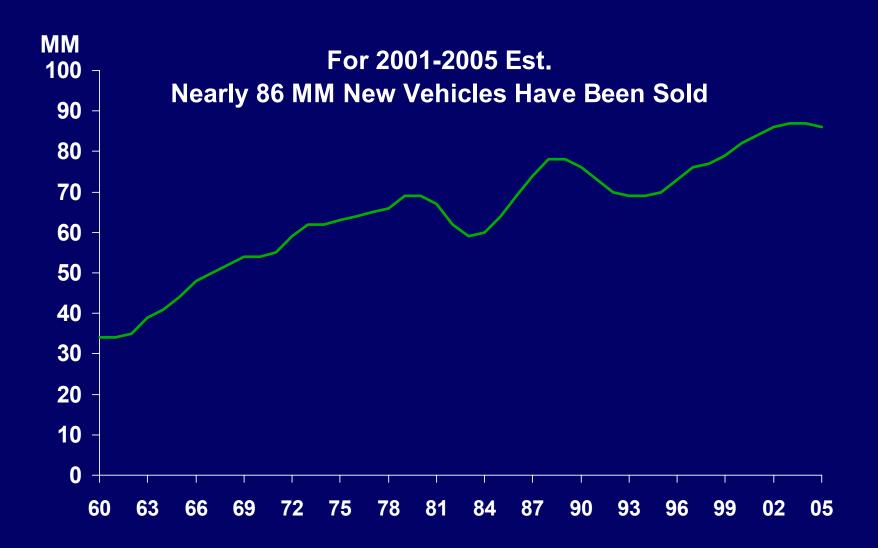
Median Age of Vehicle Stock



Estimated Vehicles Above Median Age



Cumulative 5-Year New Vehicle Sales



Business Outlook

	Real GDP % Change		<u>Inflation</u>		Vehicle Sales	
				% Change		of Huite
	From Prior Year		From Prior Year		Millions of Units	
	<u>2004</u>	<u> 2005</u>	2004	<u>2005</u>	<u>2004</u>	<u> 2005</u>
		Fcst.		Fcst.		Fcst.
U.S.	4.4	3.3	2.7	3.0	17.3	17.2
Euro Area	1.8	1.8	2.1	2.0	12.9	12.7
UK	3.1	2.4	1.3	1.8	2.96	2.75
China	9.5	8.5	3.9	3.0	5.21	5.82