# CAR's U.S. Automotive Forecast 

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## A New Peak/Plateau?

U.S. Light Vehicle Monthly Sales and SAAR


## U.S. Light Vehicle Sales Percent Change YTD Through Oct. : 2015 vs. 2014



Must Have a Hatch or a Bed! Segment Breakdown - U.S. LV Sales Percent Change Oct. YTD 2015 vs Oct. YTD 2014


## Market Share: Segment Breakdown U.S. LV Sales Oct. YTD 2015


U.S. LV Sales Market Share: Segment Breakdown 2015 vs. 2007


## CAR Forecast Notes

- Full-time employment is back to pre-recession level and continue to trend up.
- Consumer credit continue to expand at a healthy $6 \%$ annual rate. But loan lengths are approaching 70 months: Over $\$ 1$ Trillion in auto debt.
- Motor vehicle price inflation is higher than the CPI and wage inflation, but is offset by customer incentives (14\%), low interest rates, longer auto loan terms, and cheap gasoline.
- US economy is relatively good. 3Q '15 GDP growth was $2.1 \%$. Full year GDP growth is expected to be $2.4+\%$. The Fed is almost certain to hike the interest rate. This could affect cost of large auto loans and is bad news for exporters.
- Outside US, Chinese economy is weakening. Japan in recession. EU is trying to keep its economy away from another recession by using negative interest rates.
- Residential construction is recovering. New housing starts SAAR came back to 1.2 million.
- Millennials and younger generations (under 35) finally found jobs. But labor force participation rates are still low.


## Back to Where We Were

Full Time and Part Time Employment (thousands, seasonally adj.) - Jan'


## 2000 - Oct’ 2015

—Full Time —Part Time \%


# U.S. Principal Means of Transportation to Work 1989 \& 2014 



# And Households Are Carrying More Debt 

 Household Non-Housing Debt* 1Q 2003 - 3Q 2015

## A Change in Mix Drives RA Prices <br> NADA New Vehicle Selling Price

(Incentives now about \$3,000 on average)
1978-2015 (As of September)


## Gasoline Prices (Real) Jan. ‘03-Oct. ‘15



Vehicle Sales Still Disconnected From Macro Economy U.S. GDP Growth Rate and Vehicle Sales Growth Rate 1956-2015


## Better than We Were . . . <br> DOW JONES INDEX* <br> January 2000 - November 2015



# Consumer Confidence \& Sentiment January 2007- October 2015 



## UM Consumer Sentiment Index Annual: 1978-2012 Monthly for Jan. 2013 - October 2015



Not Back Yet . . .


## U.S. Housing Starts and Auto Sales

Jan. 2001 -October 2015
—Housing Starts —Auto Sales


## Labor Force Participation Rate Is Falling Even After the Last Two Recessions

Labor Force Participation Rate 1978-2015


## Who is Dropping Out of Labor Force?

Change in Labor Force Participation Rate by Age Cohort Since 2000


Location of Household by Householder's Age


2013
$\square$ Center City $\quad$ Subrubs ■ Rural


## American Are Moving Into Suburbs U.S. Occupied Housing Units



## CAR U.S. Light Vehicle Sales Forecast: 2015-2020



## N.A./U.S. Production Forecast: 2007-2020



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## Automaker Investment Announcements, Jan 2010-May 2015



## Mexican Automotive Wages are One-Eighth to One-Fifth the Wages Paid to U.S. Hourly Auto \& Parts Workers

Average Hourly Wages for Production and Non-Supervisory Workers in Motor Vehicle and Parts, 2007-2014



## In Dollar We Trust MX/USD <br> October 2000 - October 2015



## Bigger Than Germany! <br> Mexican Capacity, Production, and 2015-2018 Production Forecast

$\square$ Mexican Production and Forecast
$\triangle$ Mexican Production Capacity


## Some Mexican Advantages



## Imported From



## Summary

- New US vehicle sales records set a new higher plateau.
- Have to have a hatch or bed to sell now with low fuel prices.
- Auto market having the best year in 15 years—Jobs , credits, interest rates, gasoline price, household wealth, etc. are all in favorable conditions-but for how long?
- Sales downturn is coming-but when?
- Even the US sales are held, US vehicle production will not.

