

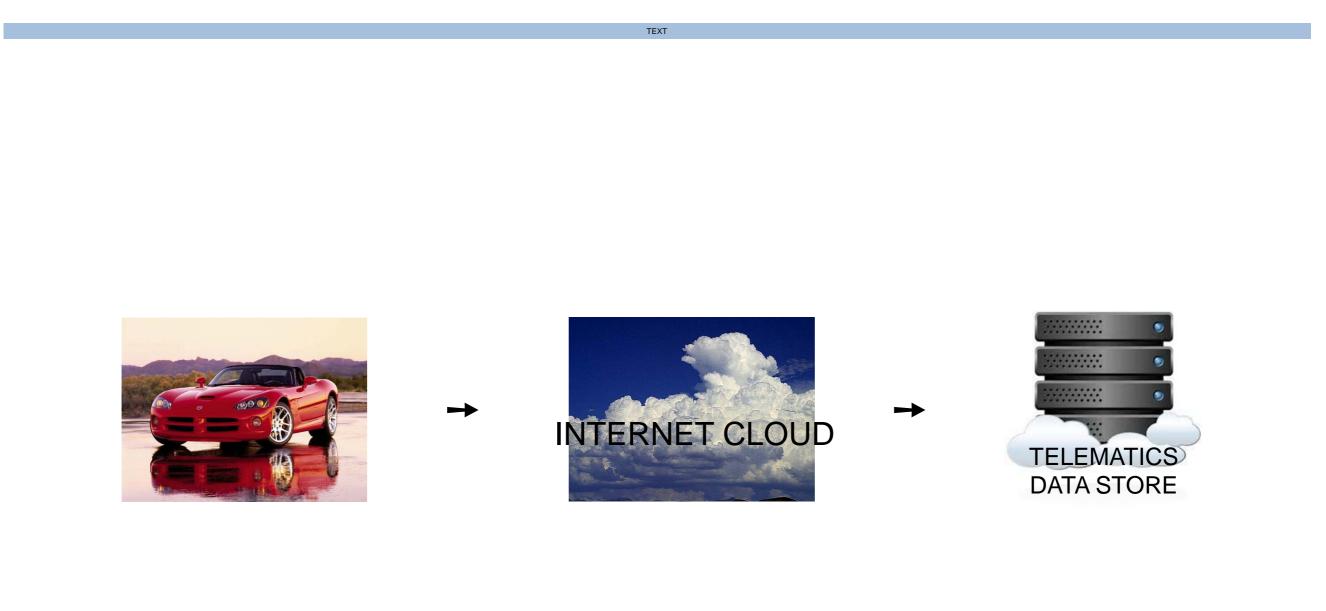


#### The Future of the connected car

Ian MacKinnon – SVP Business Development

#### **Automotive Data Drives e-Commerce**





# INFORMATION=\$\$

AUTOADVANTAGE GROUP, CONFIDENTIAL



\* Analysts predict 90M+ vehicles will have Internet Connection to Head Unit via Smartphone by 2016

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- # Juniper: by 2016, Almost all new vehicles will ship with an internet connected infotainment system installed
- **\*** Mary Meeker: Vehicle top 3 Internet White Space
- # 144M Americans spend an average of 52 minutes/day in their vehicles-76% are alone.....a virtually untapped, captive audience



- **\*** Average Miles: 1500/month
- **Average age of US consumer fleet=11 years vs 8.4 years in 1995 (AAIA)**

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- **Size of US consumer fleet in 2011=240.5M (Polk Data)**
- **\*** Total annual maintenance/repair expenditure=150B\*
- Estimated average annual expense per vehicle=\$5,500

-insurance**	\$ 800
-gas	\$3,400 (1500 miles/month, 18 mpg, \$3.50/gal)
-maintenance/service	\$1,300 (\$145B/112M households)

AAIA: AUTOMOTIVE AFTERMARKET INDUSTRY ASSOCIATION \*NAICS 8111, Y2007 \*\*NAICS 8111, Y2000



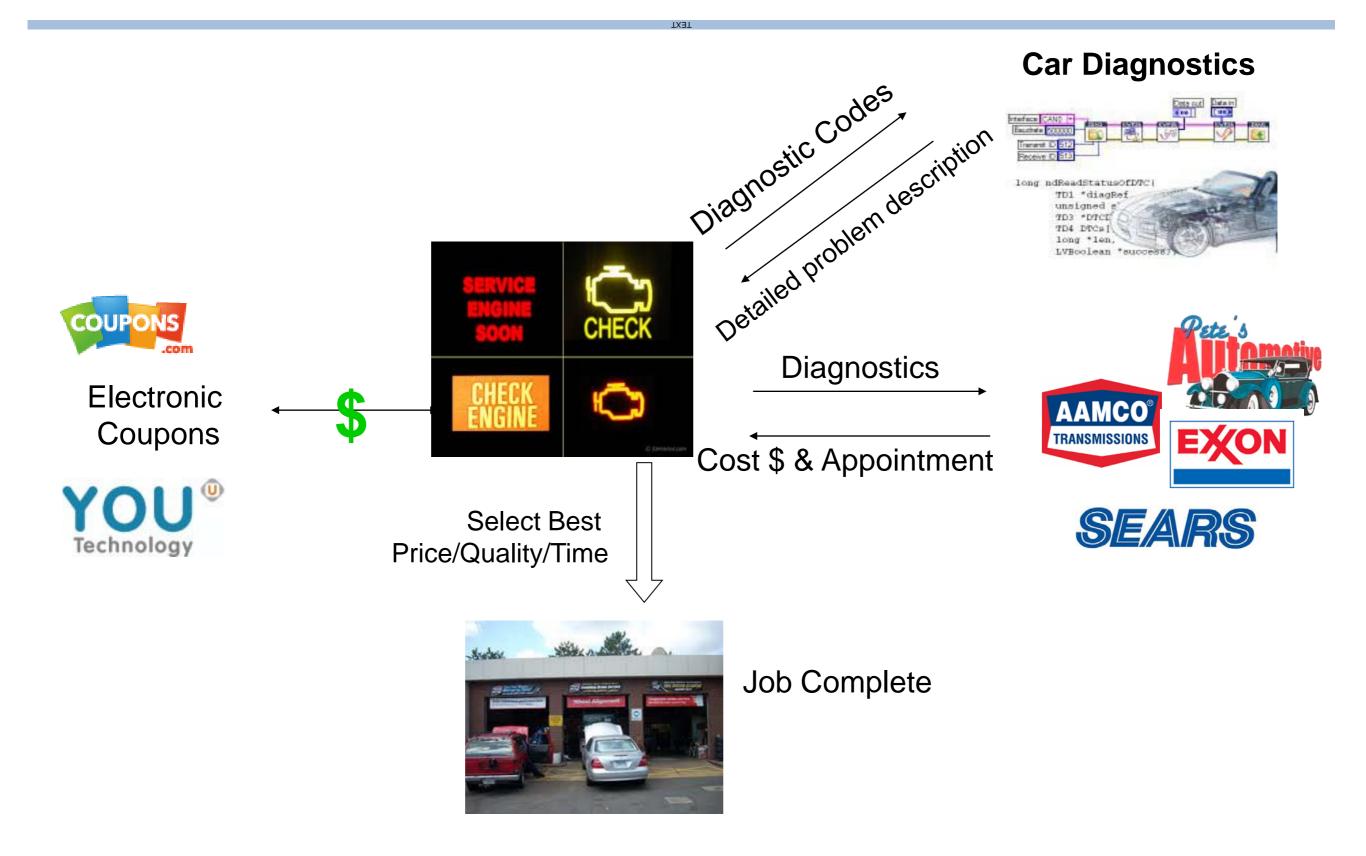
### **Getting Your Car Fixed is a Pain**



TEXT

#### A better process!







#### **Fuel Finder**



#### **Issues with OBD device**



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- Getting the data
  - Data plan (\$5/month?) plus cost of device plus installation
  - Use of smart phone Feds not happy
  - Installation reliability
- \* Available data limited
  - Limited diagnostics and data e.g. odometer, miles per gallon, mtce reminders
  - Fuel level not always available
- **\*** Display of data on smartphone!!

## **Benefits of infotainment system**



Getting the data

- Use of smart phone just for transmission
- Vehicles will be connected at low cost
- No installation issues
- \* Available data
  - All is available if OEM chooses
- Display on screen driver friendly!

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# The Future of the connected car the Infotainement system

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