Technology: Changing the Professional Automotive Recycling Industry

Disruptions, Challenges and Opportunities
Panelists:

➢ Moderator: Caryn Smith, Driven By Design

➢ Chad Counselman, Counselman Automotive Recycling & Vice President of the Automotive Recyclers Association (ARA)

➢ Paul D’Adamo, Rebuilders Automotive Supply

➢ Neil Nissenbaum, Nissenbaum’s Auto Parts
What Most People See – The Crash Damage
What Automotive Recyclers See

The parts of the car NOT damaged to be re-used & recycled (including parts you cannot see)!
12 Million Cars are recycled Annually in the U.S.

The automobile the most recycled consumer product in the world today!

In the U.S., it is 2\textsuperscript{nd} only to Lead-Acid Batteries.
26 Automobiles are Recycled Every Minute in the U.S. Which Fuels $32 Billion in Annual Sales.
140,000 people are employed in over 9000 Professional Automotive Recycling facilities across the country. 86% are small businesses.
Top Recycled OE Parts: Engine Assembly, Door Assembly, Transmission, Decklid, Wheel, Axle Assembly, Bumper Assembly, Side View Mirror, Fender Tail Lamp, Headlamp Assembly, Fender Tail Lamp, Hood, AC Compressor, Seats, Tires, Battery, Radio/Audio and hundred of other parts.
Professional Automotive Recyclers are **HIGHLY regulated** from OSHA, Environmental Agencies and Governmental Entities with criteria they must meet to legally operate.
Takata Airbag Recovery Program

Technology + Logistics

AIRBAG RECALL

Liability

Bounty Revenue $↑ $
Takata Airbag Recovery Program
End-of-Life

Data Platform
API
Web Based Search
Mobile App’s
Custom

Stats
500K
2.4M
60M USA

#yankthatbag
GM Global A Vehicles

Original Vehicle VIN

Recycled part VIN

2012 Equinox Transmission

WARNING - Do not swap in used control modules on GM Vehicles using GM Global A Architecture.

The Global A electrical Architecture system does not allow control modules to be swapped between vehicles. Swapping control modules will result in a no start condition on the vehicle and will damage modules due to the new vehicle security code protocol.

Only new controllers from GM can be used if a replacement is needed. Otherwise vehicle and/or controller damage may occur! Watch this video to find out more and which vehicles this applies to.

This new system started in 2010. These models have this system now:
- 2010+ Chevrolet Camaro
- 2010+ Chevrolet Equinox
- 2010+ Buick Lacrosse
- 2010+ Cadillac SRX
- 2010+ GMC Terrain
- 2011+ Chevrolet Cruze
- 2011+ Chevrolet Volt
- 2011+ Buick Regal
- 2012+ Buick Verano
- 2012+ Chevrolet Sonic
- 2012+ Chevrolet Orlando (Canada)
- 2013 Cadillac ATS
- 2013 Cadillac XTS
- 2013 Chevrolet Malibu
- 2013 Chevrolet Captiva
- 2013 Chevrolet Spark

* Also GM will be introducing more models to this new system.

* Please check with GM Support line (1-888-212-8959) if you are not sure the vehicle you are working on has Global Architecture.

These are the controllers that can't be swapped on the vehicles listed above:
- Engine Control Module (ECM)
- Radio
- Body Control Module (BCM)
- Electronic Brake Control Module (EBCM)
- Sensing and Diagnostic Module (SDM)
- Transmission Control Module (TCM)
- Electronic Climate Control (HVAC)
- Electric Power Steering
- Hybrid Powertrain Control Module
- Vehicle Communication Interface Module
- Instrument Panel Cluster
Technology & Automotive Recycling:
Disruptions, Challenges and Opportunities
Questions?

To join the Recycled Parts & Inventory Committee, Contact Charley Quirt: charley@cieca.com