

DIRECTIONS



**AUTOMOTIVE
MAINTENANCE AND
REPAIR ASSOCIATION**

January 30, 2012
Volume 17, Issue 1



Welcome New Members!

Since Dec. 30, 2011

Forensic Vehicle Certification

Campbell, CA

Referred by: Ron McElroy

(Fluid Rx)

Contact: Ron Rose

Phone: (877) 499-4382

Steve's Auto Repair

Tea, SD

Contact: Steven Carnes

Phone: (605) 498-5000

AMRA/MAP Membership Profile

(as of January 30, 2012)

Member Companies 95
Serv. Provider Locations 9,159
Member Service Bays 54,954
MAP Qualified Assoc. 50,000+

Upcoming Events



AMRA/MAP Technical Committee Meeting

April 25-26 in Chicago area

AMRA/MAP Spring Membership Meeting

May 2012 in Chicago area

Global Automotive Aftermarket Symposium (GAAS)

May 16-17 in Chicago
Hyatt Regency O'Hare

MAP Brake Safety Awareness Week

August 18-26

New MAP UICS Available to Membership

AMRA/MAP has finalized the 2012-13 version of the **Uniform Inspection & Communication Standards (UICS)** and they are currently available for download by AMRA members.

The standards are posted in PDF format in the **Members** section of the AMRA website at www.amra.org.

The 2012-13 version of the UICS has been compiled in one manual instead of the usual separate manuals to cover the six automotive systems -- **Brakes, Drive-Train & Transmission, Electrical, Engine Performance & Maintenance, Heating, Ventilation & Air Conditioning, and Steering & Suspension**. This will allow for less repetition of general information and terminology.

The **Routine Inspection Reference Guide**, which combines the maintenance recommendations across all systems, has been produced as a separate manual.

Changes from the previous version of the UICSs are included for the following systems:

- **Brakes** – Caliper/Piston Conditions and Hybrid Brake Power Supply;
- **Electrical** – Hybrid Inverter/Converter & Capacitors;
- **HVAC** – Internal Heat Exchangers, Belt Driven & HV Compressors, and Routine A/C System Inspections; and
- **Steering & Suspension/Tires** – Repairs to Conventional and Speed-Rated Tires.

Within the next week, all current members will receive an e-mail from AMRA/MAP asking how they wish to receive their complimentary copy of the standards. A CD containing the PDF can be sent by mail if the company does not wish to download the files from the website. Only one CD will be sent per company. ✨

Tech Meeting A Success in Orlando

For the second straight event, more than 60 people were in attendance at the recent AMRA/MAP Technical Committee meeting, which was held January 25-26 at the Orlando (FL) Airport Hotel.

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The Motorist Assurance Program is a consumer outreach program of the Automotive Maintenance & Repair Association

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The 62 people representing 44 automotive companies and associations attending the January event was the second-largest gathering ever for an AMRA/MAP Technical Committee meeting. Only the 66 attendees at the September event in Hoffman Estates, IL, topped this number, and four of the top five attendance figures have occurred among the past five meetings (58 in August 2010 and 55 in January 2011).

Attendees were treated to two featured presentations during Wednesday's session.

Edward R. Eaton, Chief Engineer for Amalgatech and Vice Chair of ASTM D15 on Engine Coolants and Related Fluids, opened the meeting with a presentation on **Coolant Technologies and Water Pump Failures**. This was followed by a panel discussion including **Mark Ridgeway** (Gates Corporation) and **Steve Huzyk** (Safety-Kleen).

Eaton reported ASTM has assumed the role of developing coolant standards from SAE, and glycerin will replace glycol in coolants in the near future. He noted dilution (adding water) and contamination (mixed coolants) are the primary reasons to perform a coolant exchange service, and this service is more efficient than performing a lab test. He also warned against coolant manufacturers who indicate their product meets **ALL OEM** requirements, as this is not possible.

After a lunch break, **Jim Mueller** (Team Torque) presented **Wheel Torquing Procedures**. His presentation was followed by a panel discussion including **Nate Lee** (Snap-On), **Kevin Rohlwing** (Tire Industry Association), **Denny Atkinson** (California Torque Products), **Pete Flemming** (JS Products) and **Sam Ortolani** (Norbar Torque Tools).

Mueller noted clamping force cannot be measured in the field, as technicians must control the torque in order to approximate the correct clamping force. He added that most "wheel-offs" occur on vehicles with more than 100,000 miles, demonstrating repeated instances of improper torquing, and left-side wheels come loose most often due to rotational direction. Improperly torqued wheels often come loose almost immediately, or within 1,000-2,000 miles due to alternating positive and negative clamping forces on the studs.

The **Enhanced UICS Formatting Task Force** made a report on its progress. This sub-committee

Tell a Colleague!

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is developing the criteria for converting the UICS into an electronic format that can be accessed by member companies through a secure network.

The UICS have remained the same since they were developed in the early 1990s, but technology has led to many changes in the automobile and the lines between systems have become blurred or non-existent. In order to simplify the use of these documents, a change to an electronic format has been deemed necessary.

The Task Force first met at the Tech Committee meeting in August 2011 to review and recommend changes to the structure and content of the UICSs using sample data and materials developed by AMRA/MAP staff and sub-committee members. The group met by conference call over the past few months and presented its recommendations at this meeting. A further report is expected at the next Technical Committee meeting in April (see below).

AMRA/MAP holds three Technical Committee meetings per calendar year, with gatherings in January, April and September. For more information, contact **Ben Trittipoe** at ben@motorist.org. ✨

Save the Dates for Upcoming Tech and Member Meetings

The next AMRA/MAP Technical Committee meeting will be held **April 25-26** at a site to be determined in the Chicago area.

Hotel accommodations and a site for a Networking Dinner are also still to be determined. Details will be distributed soon.

If there is a topic you would like to see addressed at the April meeting, please contact **Tim Tierney** at tim@motorist.org.

In addition, the AMRA Spring Membership Meeting will be held in the Chicago area in May. A date and site also are still to be determined for this event. ✨