



NEWS

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MAP Standards Updated for Brake Systems

Bethesda, Maryland — The Motorist Assurance Program (MAP) has released an update to its *Uniform Inspection & Communication Standards* (UICS) for Brake Systems. The condition “Corrosion inhibitors depleted” and the resultant recommendation were added to the Brake Fluid Component. This update is effective immediately and comes recommended by the AMRA/MAP Technical Committee as a result of the ongoing AMRA Maintenance Service Program effort.

As part of the ongoing endeavor to update and re-publish the MAP UICS bi-annually, the MAP Board has determined that interim updates, where appropriate, should be released as developed. This change falls into that category.

The update for this system is listed on the attached excerpt. Revised copies of the complete Brake System standard will soon be available in electronic format from AMRA/MAP. Contact Tim Tierney at tim@motorist.org (301 634 4952) with your request.

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MAP was formed in June 1992 by a group of service providers, manufacturers, associations and others who were concerned about the reputation of the automotive repair industry. MAP works to strengthen communication and trust between the industry and its customers.



Condition

Code

Procedure

System: Brake Systems

Some states may have specifications that differ from OEM. Check your local/state regulations. Where state or local laws are stricter, they take precedence over these guidelines.

Component : Brake Fluid

Most manufacturers prohibit the use of DOT 5 brake fluid in a system equipped with ABS. DOT 3, DOT 4, and DOT 5.1 brake fluids are clear or light amber in color. DOT 5 fluid is violet in color. Correct fluid type is stamped on the master cylinder cover

At or beyond OEM service interval	3	Suggest fluid replacement
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Brake fluid type incorrect	B	Require flushing and refilling
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For example, DOT fluid lower than specified for the vehicle or silicone brake fluid (DOT 5 or 5.1) in an ABS System

Contaminated, for example, fluid other than brake fluid present	B	Require service
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If a fluid other than brake fluid is present in the brake system which DOES NOT affect the rubber parts, the required service is to flush and fill with the correct brake fluid.

Contaminated, for example, fluid other than brake fluid present	A	Require service
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If a fluid other than brake fluid is present in the brake system which DOES affect the rubber parts, the required service is to: 1) remove all components having rubber parts from the system, 2) flush lines with denatured alcohol or brake cleaner, 3) repair or replace all components having rubber parts, and 4) flush and fill with correct brake fluid.

Corrosion inhibitors depleted	B	Require fluid replacement
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A copper content of 200 ppm or greater indicates a depletion of corrosion inhibitors in the brake fluid

Hydraulic component overhaul or replacement	3	Suggest flushing and refilling
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Rubber master cylinder cover gasket distorted and gummy	A	Require replacement of gasket
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This condition may indicate contaminated brake fluid.

Reason Code Explanation

Code Reason

Required

- A Part No Longer Performs Intended Purpose*
- B Part Does Not Meet A Design Specification (Regardless Of Performance)*
- C Part Is Missing*

Suggested/Optional

- 1 Part Is Close To The End Of Its Useful Life*
- 2 To Address A Customer Need, Convenience Or Request*
- 3 To Comply With Maintenance Recommended By The Vehicle's Original Equipment Manufacturer*
- 4 Technician's Recommendation Based On Substantial And Informed Experience*
- 5 To Comply With Maintenance Recommended By AMRA/MAP*