



This Service Information bulletin supersedes SI B13 02 06 **dated September 2006.**

NEW designates changes to this revision

SUBJECT

TOP TIER Detergent Gasoline in BMW Vehicles

MODEL

All with gasoline engines

INFORMATION

Deposit-control additives have been required by the EPA in all gasoline since 1995; however, since the introduction of the lowest additive concentration (LAC), most gasoline manufacturers have actually reduced the concentration level of detergent additives by up to 50%.

Low cleaning additives content results in excessive accumulation of deposits on fuel injectors, intake valves, the exhaust manifold or inside the combustion chamber. Due to deposit buildup, customers may experience various drivability problems (e.g., cold start problems, rough idle); increased emissions with Service Engine Soon lamp illumination; reduced engine performance; and poor fuel economy.

In order to increase the level of detergent additives in gasoline, the TOP TIER Detergent Gasoline requirements were approved by four automotive companies (BMW, GM, Honda and Toyota). Usage of the TOP TIER Detergent Gasoline will help keep engines cleaner, and will reduce deposit-related concerns.

NEW A number of gasoline retailers have already met the TOP TIER Detergent Gasoline requirements and are offering this product in all octane grades in all of their respective marketing areas. The current TOP TIER Gasoline retailers are: Chevron®, Texaco®, BP®, QuickTrip®, ConocoPhillips®, 76®, Shell®, Entec Stations®, MFA Oil Company®, Kwik Trip®/Kwik Star®, The Somerset Refinery, Inc.®, Aloha Petroleum®, Jiffy Mart®, Mahalo®, and Trip-Par Oil Company®. All gasoline outlets carrying the brand of the approved retailer must conform to TOP TIER requirements on products advertised as such.

RECOMMENDATION

BMW **recommends using TOP TIER Detergent Gasoline** with a minimum octane rating of AKI 91 and alcohol content of less than 10% by volume (or any other oxygenates with up to 2.8% of oxygen by weight). Only exclusive usage of TOP TIER Gasoline provides the full benefit of reducing deposits.

BMW customers may find more information related to TOP TIER Gasoline on the official website:

www.toptiergas.com.

NOTE: For more information related to alcohol fuels, refer to [SI B13 01 06](#) (Alcohol Fuel Blends in BMW Vehicles).

NEW If the TOP TIER Detergent Gasoline is unavailable, we recommend that BMW Group FUEL SYSTEM CLEANER PLUS (P/N 82 14 0 413 341) be added to the gas tank. For optimum cleaning and deposit control, add a 20 fl. oz. bottle every 3,000 miles when refueling.



NEW BMW Group FUEL SYSTEM CLEANER PLUS
 P/N 82 14 0 413 341
 1 bottle, 20 fl. oz.
 Order in multiples of 6 bottles per case.

PARTS INFORMATION

Part Number	Description	Quantity
82 14 0 413 341	Fuel System Cleaner Plus; 20 fl. oz. bottle	1

NEW WARRANTY INFORMATION

Carbon deposit buildup is related to inadequate fuel quality; it is not considered a defect in the vehicle's materials or workmanship.

Consequently, the usage of BMW Group Fuel System Cleaner Plus is not covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Maintenance Program.

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