



U.S. Department of Transportation  
**National Highway Traffic Safety  
Administration**

1200 New Jersey Avenue SE  
Washington, DC 20590

March 7, 2013

Michael Burrill  
Director-Quality  
Robert Bosch LLC  
38000 Hills Tech Drive  
Farmington Hills, MI 48331

NVS-215KS  
13E-011

**Subject:** Brake Master Cylinder Fluid Indicator Switch

Dear Michael Burrill:

This letter serves to acknowledge Robert Bosch LLC's notification to the National Highway Traffic Safety Administration (NHTSA) of a safety recall which will be conducted pursuant to Federal law for the product(s) listed below. Please review the following information to ensure that it conforms to your records as this information is being made available to the public. If the information does not agree with your records, please contact us immediately to discuss your concerns.

**Makes/Models/Model Years:**  
BOSCH/HYDRO-MAX MASTER CYLINDER/9999

**Mfr's Report Date:** February 25, 2013

**NHTSA Campaign Number:** 13E-011

**Components:**  
EQUIPMENT  
SERVICE BRAKES, HYDRAULIC:FOUNDATION COMPONENTS:MASTER CYLINDER  
SERVICE BRAKES, HYDRAULIC:SWITCHES:BRAKE WARNING

**Potential Number of Units Affected:** 6,549

**Problem Description:**  
Robert Bosch LLC (Bosch) is recalling certain Hydro-Max brake master cylinders with 2.0 inch bore and 84 cubic inch reservoir equipped with a brake fluid level indicator switch and without a differential pressure switch, manufactured between July 1, 2011 and April 12, 2012. The brake fluid level indicator (FLI) may not properly detect a low brake fluid level situation and warn the driver.

**Consequence:**  
Without a warning, the driver may be unaware that the brake fluid level is low. A low brake fluid level may reduce the available braking force which could lengthen the required stopping distance and increase the risk of a crash.

**Remedy:**  
Bosch will notify customers and replace the fluid level indicator switch free of charge. The manufacturer has not yet provided a notification schedule. Owners may contact the Bosch Technical Support and Warranty Hotline at 1-855-426-7247.

**Notes:**  
Owners may also contact the National Highway Traffic Safety Administration Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to [www.safercar.gov](http://www.safercar.gov).

The information in your report suggests that Robert Bosch LLC may have been aware of this issue more than five business days before filing a report with NHTSA. Please be reminded that under Federal law, this agency is to be notified of all safety defect and/or noncompliance decisions within five business days. 49 CFR 573.6 Significant civil penalties can be assessed for this violation.

Please be reminded of the following requirements:

You are required to provide an estimated date including month, day, and year, when you will send notifications to owners, dealers, and distributors as soon as it becomes available. Please be reminded that it is expected owners will be notified of a safety defect in their vehicles within 60 days of a manufacturer's notification to NHTSA of a safety defect in those vehicles. You are required to submit a draft owner notification letter to this office no less than five days prior to mailing it to the customers.

Copies of all notices, bulletins, dealer notifications, and other communications that relate to this recall, including a copy of the final owner notification letter and any subsequent owner follow-up notification letter(s), are required to be submitted to this office no later than 5 days after they are originally sent (if they are sent to more than one manufacturer, distributor, dealer, or purchaser/owner).

As stated in Part 573.7, submission of the first of six consecutive quarterly status reports is required within one month after the close of the calendar quarter in which notification to purchasers occurs. Therefore, the first quarterly report will be due on, or before, 30 days after the close of the calendar quarter.

Your contact for this recall will be Kelly Schuler who may be reached by phone at (202) 366-5227, or by email at [kelly.schuler@dot.gov](mailto:kelly.schuler@dot.gov) or through the office email at [rmd.odi@dot.gov](mailto:rmd.odi@dot.gov). We look forward to working with you.

Sincerely,



Jennifer Timian  
Chief, Recall Management Division  
Office of Defects Investigations  
Enforcement