

Safety Recall Notice - NHTSA Campaign Number: 13E011000

To: Bosch customers who purchased master cylinders used with Bosch Hydro-Max® boosters.

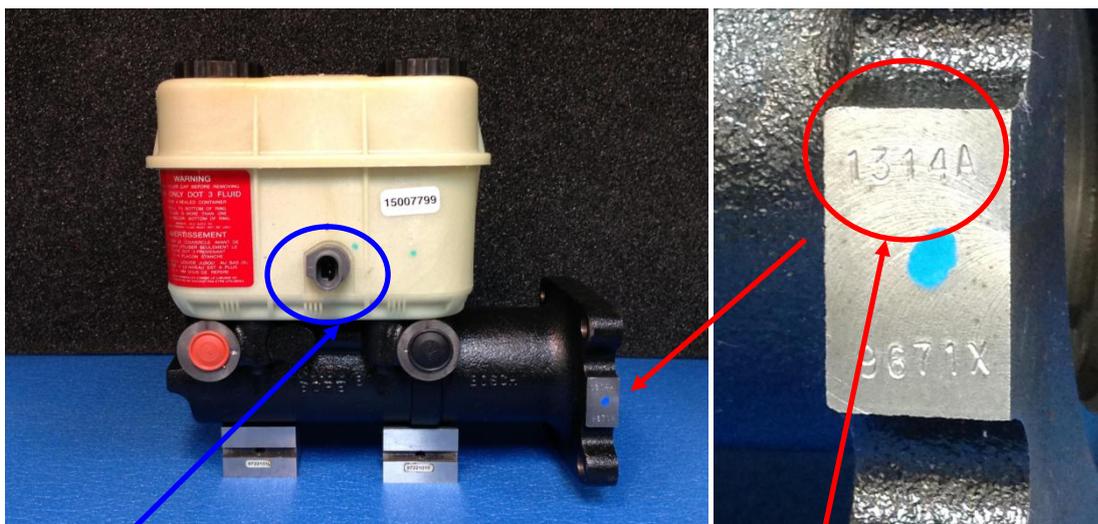
Re: Recall of master cylinders with 2 inch bore and 84 cubic inch reservoir with a brake fluid level indicator switch and without a differential pressure switch used with Bosch Hydro-Max® boosters manufactured July 1, 2011 through April 12, 2012.

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Robert Bosch LLC (Bosch) has decided that a defect which relates to motor vehicle safety exists in certain master cylinders used with Bosch Hydro-Max® boosters manufactured by Bosch and supplied to you. These products were intended for aftermarket installation on various medium truck applications with GVW up to 33,000 lbs.

Identification of the master cylinders covered by recall

The subject master cylinders were manufactured July 1, 2011 through April 12, 2012 and were sold in the aftermarket. The date code is stamped on the upper left side of the mounting flange of the master cylinder. The date code has four numbers and one letter. For purposes of identification, only the four numbers are needed and the letter is ignored.

Affected date codes are 1182 through 2103.



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Date Code: Affected dates are 1182 through 2103 – Ignore the letter

Description of Defect

The subject master cylinders manufactured by Bosch July 1, 2011 through April 12, 2012 have a condition where the brake fluid level indicator may not properly detect a low brake fluid situation if the fluid level indicator switch moves outward in the assembly. If the low brake fluid level is caused by an external leak resulting in the escape of fluid from the brake system, it can result in increased pedal travel. If this condition is not addressed it can result in a reduction of available braking force which could increase the required stopping distance and increase the risk of a crash.

What You Should Do

- (a) Recalled product in inventory: Our records indicate that you may have purchased the subject master cylinders from us. To determine if a master cylinder is part of this recall, check the manufacturing date code stamped on the upper left side of the mounting flange of the master cylinder. If the date code is 1182 through 2103 the part is included in the recall and should be returned to Bosch as soon as possible for credit. Under Federal law you may not resell the recalled master cylinders. You will receive a credit for the master cylinders returned including freight charges. Please contact your Bosch sales representative to request a return authorization number and return instructions.
- (b) Recalled product in the hands of your customers: Please forward copies of this letter to reselling customers who have purchased from you. They will be provided free replacement master cylinders on the same basis as above. Recalled product in the hands of your customers should be returned to you and you should return the product to Bosch.
- (c) Product already sold to end user and installed in vehicles: It is also requested that you transmit copies of the attached letter to end users through your distribution system. It advises end users of steps to take to obtain repair of the master cylinder free of charge. As an alternative, you may provide customer contact information to Bosch and Bosch will coordinate notification to customers.

If you have any questions about this recall, please call the Bosch Technical Support and Warranty Hotline at 1 (855) 426-7247.

Bosch regrets any inconvenience caused by this recall, but we are taking these steps in the interest of the safety of our customers.

Robert Bosch LLC