



Constructors Racing Group, LLC

501 Carson Lane
Watsonville, CA 95076
831-763-7811
Fax 707-929-3914
www.crgmoto.com

FAXED
4-27-06
(B)

06E-035
(4 pgs.)

RECEIVED
2006 MAY -2 A 11: 01
OFFICE OF INVESTIGATIONS
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

April 27, 2006

BY FAX AND OVERNIGHT DELIVERY

Ms. Kelly Schuller
Recall Management Division
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590
202-366-0699, Fax 202-366-7882

Dear Ms. Schuller:

This report is submitted by Constructors Racing Group, LLC (CRG) pursuant to 49 CFR Part 573, to advise NHTSA that CRG will be voluntarily recalling model RB-511 and model RB-512 Roll-A-Click adjustable levers.

1. Full corporate name of the fabricating manufacturer of the recalled item of equipment:

Constructors Racing Group, LLC
501 Carson Lane
Watsonville, CA 95076
ph: 831-763-7811
fax: 707-929-3914

2. Identity of the items of equipment involved in the recall:

Generic name of the item: Motorcycle front brake lever

Make: CRG

Model: RB-511 and RB-512, Roll-A-Click adjustable levers



Constructors Racing Group, LLC

501 Carson Lane
Watsonville, CA 95076
831-763-7811
Fax 707-929-3914
www.cngmoto.com

Function: Hand control for front brake system

Other distinguishing information: Model RB-511 is designed for use on 2004 thru 2006 Yamaha YZF-R1 motorcycles, and 2005 thru 2006 Yamaha YZF-R6 motorcycles. Model RB-512 is designed for use on 2003 thru 2006 Ducati 749 and 999 motorcycles, and on 2004 thru 2006 Aprilla Mille R motorcycles. A picture of the brake lever is provided below for reference.



RB-511



RB-512



501 Carson Lane
Watsonville, CA 95076
831-763-7811
Fax 707-929-3914
www.crgmoto.com

Percentage of production being recalled: CRG is developing a recall plan that will include all units of models RB-511 and RB-512, and may utilize a field inspection.

3. Number of units being recalled:

<u>Model</u>	<u>Prod. Range</u>	<u># Being Recalled</u>
RB-511	1/05-4/06	1,384
RB-512	9/05-4/06	227
Total		1,611

4. Approximate percentage of the total number of items of equipment estimated to actually contain the defect or noncompliance, and determination of the recall range:

CRG estimates that less than approximately 10 percent of the units are affected.

5. Description of the defect:

The subject equipment has a metal rocker that is attached to the end of the lever. The rocker, in turn, has a pivot bore, which interfaces with the motorcycle's master cylinder. The pivot bore contains two elements -- a reamed hole in the rocker, and a press fit composite bushing. It appears that the two bore elements may be out of line in some of the units, which can impede rotation of the master cylinder assembly. In a condition of extreme misalignment, either alone or possibly in combination with other factors such as inadequate lubrication or component wear, the brake lever could potentially become seized in the brake engaged position, thereby preventing the front brakes from disengaging.

The subject equipment is sold as an aftermarket item, not as original equipment. Significant misalignment of the pivot bore could cause abnormally high resistance when the pivot pin or pivot bolt is inserted through the pivot bore, which likely would be noticeable to the installer. Following installation, if the brake lever does not retract fully, the front brake system could remain engaged, causing drag on the front brake system, which likely would be noticeable to the rider.



501 Carson Lane
Watsonville, CA 95076
831-763-7811
Fax 707-929-3914
www.crgmoto.com

6. Chronology:

- 4/10/06: CRG first observed that a part was misaligned in the final assembly of an order.
- 4/10 – 4/13/06: CRG analyzed the cause of the misalignment and reprogrammed its production equipment to resolve the manufacturing issue.
- 4/13/06: A dealer told CRG about a fitment issue that the dealer discovered in installing a RB-512 lever. CRG received the part the following day and found that it was misaligned.
- 4/20/06: A distributor told CRG that a dealer in the UK had installed a RB-512 lever on a customer's motorcycle, and that, in riding away from the shop, the customer experienced a non-release condition without an accident or injury.
- 4/21/06: CRG determined that a safety-related defect exists.

7. Description of the remedy and distinguishing characteristics of new parts:

CRG has resolved the manufacturing issue, and has changed the model numbers – which are stamped onto the rocker of each part -- to help distinguish new parts from those being recalled. RB-511 is being replaced with RB-516, and RB-512 is being replaced with RB-517. CRG is developing a recall plan and timetable, and will provide them to NHTSA promptly.

8. Recall communications: CRG will provide NHTSA with copies of draft recall communications promptly.

Please call me at 831-763-7811 if you have any questions about this Report.
Thank you for your assistance and cooperation.

Sincerely,

M. Spencer Owyang