

	SIGNATURE	MTi 2000	MTi 1000	MT 600	MT 500	MT 400	MT 300
FRAME SIZE	17", 19" (C to C)	14.5", 16.5", 18.5", 20.5" (C to C)	14.5", 16.5", 18.5", 20.5" (C to C)	13", 15", 17", 19", 21" (C to C)	13", 15", 17", 19", 21" (C to C)	15", 16.5", 18.5", 20.5" (C to C)	15", 16.5", 18.5", 20.5" (C to C)
COLOR	Natural Titanium/ Carbon weave	Satin Titanium	Satin Titanium	Anchrocite	Silver/Transparent Lime	Blk/Digitized Red Ano.	Black/Blue Thumbprint ano
WEIGHT	25.9 lbs	25.5 lbs.	26.5 lbs	27.0 lbs	27.0 lbs	28.0 lbs	27.5 lbs
FRAME MAT'L	Easton C-9 main tubes, bonded to 3-2.5 Titanium lugs and stays	TIG welded full titanium w/tapered stays	TIG welded full titanium w/tapered stays	Technum w/7005 double barrel OS AL seat end, bonded to Tange Prestige OS seat tube, taper bonded Cr-mo stem	Technum w/7005 double barrel OS. AL front end, bonded to Tange Prestige OS seat tube, Taper bonded Cr-mo stays	Technum 2 tube AL w/ Easton E-9 ano. OS topdown tubes, full Cr-mo rear m w/washbone seat stays, OS seat tube	Technum 2 tube AL w/ Easton E-9 ano. OS topdown tubes, full Cr-mo rear m w/washbone seat stays, OS seat tube
FORK	Rock Shox Mag 21 OS	Rock Shox Mag 21 OS	Tange "Struts" OS Micro Cellular Elastomer susp.	Tange "Struts" OS Micro Cellular Elastomer susp.	Tange Big Fork OS full Cr-mo	Cr-mo OS dual elastomer suspension fork	TIG Uncrown OS constant dia. blades, full radius, Cr-mo
REAR DERAILLEUR	Shimano XTR	Shimano XTR	Shimano Deore XT	Shimano Deore XT	Shimano Deore LX	Shimano Exage ES	Shimano Altus A1C
FRONT DERAILLEUR	Shimano XTR top pull Dual SIS	Shimano XTR top pull Dual SIS	Shimano Deore XT top pull	Shimano Deore XT top pull	Shimano Deore LX top pull Dual SIS	Shimano Exage LT top pull Dual SIS	Shimano Altus A1C top pull Dual SIS
SHIFT LEVERS	Shimano XTR 8-speed Rapid Fire Plus Dual SIS	Shimano XTR 8-spd Rapid Fire Plus Dual SIS	Shimano Deore LX Rapid Fire Plus Dual SIS	Shimano Deore LX Rapid Fire Plus Dual SIS	Shimano Deore LX Rapid Fire Plus Dual SIS	Shimano Exage LT Rapid Fire Plus Dual SIS	Shimano Altus A1C Rapid Fire Plus Dual SIS
CRANK/RINGS	Tioga Revolver tubular Cr-mo w/XTR rings 26/36/46	Tioga Revolver tubular Cr-Mo w/XTR rings 26/36/46	Shimano Deore LX Low Profile 26/36/46	Shimano Deore LX Low Profile 26/36/46	Shimano Deore LX Low Profile 26/36/46	Shimano Exage LT Low Profile 26/36/46	Shimano Altus A1C Low Profile 26/36/46
REAR CLUSTER	Shimano XTR 12-32 8-spd Hyperglide	Shimano XTR 12-32 8-spd Hyperglide	Shimano Deore LX 12-28 7-spd Hyperglide	Shimano Deore LX 12-28 7-spd Hyperglide	Shimano Deore LX 12-28 7-spd Hyperglide	Shimano Exage 13-30 7-spd Hyperglide	Shimano Altus A1C 13-30 7-spd Hyperglide
SPEEDS	24	24	21	21	21	21	21
CHAIN	Shimano 7401	Shimano 7401	Shimano HG70	Shimano HG70	Shimano HG70	Shimano HG50	Shimano HG50
BRAKE SET	Shimano XTR Low Profile	Shimano XTR Low Profile	Shimano Deore LX Low Profile/Multi condition	Shimano Deore LX Low Profile/Multi condition	Shimano Deore LX Low Profile/Multi Condition	Shimano Exage LT Low Profile/Multi Condition	Shimano Altus A1C Low Profile/Multi Condition
BRAKE LEVER SET	Shimano XTR	Shimano XTR	Shimano Deore LX	Shimano Deore LX	Shimano Deore LX	Shimano Exage LT	Shimano Altus A1C
HEADSET	Tioga Alchemy DL	Tioga Alchemy DL	Tioga Alchemy AL	Dia-compe "Aheadset" OS alloy	Dia-compe "Aheadset" OS alloy	YST 717 OS blk sealed	YST 717 OS blk sealed
BOTTOM BRACKET	Tioga Revolver	Tioga Revolver	Shimano BB-UN51 sealed cartridge	Shimano BB-UN51 sealed cartridge	Shimano BB-UN51 sealed cartridge	Shimano BB-LP21 sealed cartridge	Shimano BB-LP21 sealed cartridge
STEM	Tioga Alchemy DL	Tioga Alchemy DL	Tioga Alchemy Cr	Kallor "Uno" threadless steer tube w/custom lettering	Kallor "Uno" Threadless steer tube w/custom lettering	"Fusion" OS Cr-mo bulge style	"Fusion" OS Cr-mo bulge style
HANDLEBAR	Tioga DL-2001	Tioga DL-2001	Tioga DL-2000	Kallor "Uno" 560 mm w/custom lettering	Kallor "Uno" 560 mm w/custom lettering	"Fusion" alloy 560 mm blk	"Fusion" alloy 560 mm blk
GRIP	O.D.I. Tomac Attack	O.D.I. Tomac Attack	O.D.I. Tomac Attack	A.T.I. Neutron endless black	A.T.I. Neutron endless black	Raleigh exclusive Kraton	Raleigh exclusive Kraton
FRONT HUB	Shimano XTR 32H	Suntour Suspension Specific 32H	Shimano Deore XT 32H	Suntour Suspension Specific 32H	Shimano Deore LX 32H	Shimano RM50 w/QR 32H	Shimano HB-RM50 w/QR 36H
REAR HUB	Shimano XTR 36H 135mm	Shimano XTR 32H 135mm	Shimano Deore XT 32H 135mm	Shimano Deore ST 32H 135mm	Shimano Deore LX 32H 135mm	Shimano HG50 32H 135mm	Shimano Altus 36H 135mm
RIMS	Mavic 231 CD hard ano Presta	Mavic 231 CD hard ano Presta	Sun Metal CR16 silver ano. 32H Presta	Sun Metal CR16 silver ano. 32H Presta	Sun Metal CR16 silver ano. 32H Presta	Sun Metal L18 silver ano. 32H Presta	Sun Metal L18 silver ano. 36H Schraeder
SPOKES	DT 15G front Tioga tension disc rear	DT 15Gauge SS	DT 15 Gauge SS	DT 15 Gauge SS	DT 15 gauge SS	DT 15 gauge SS	DT 15 gauge SS
TIRES	Tioga "Psycho" 1.95 blk skinwall Kevlar bead	Tioga "Psycho" 1.95 blk skinwall Kevlar bead	Tioga "Psycho" 1.95 blk skinwall	Panosec "Smile" 2.1 blk skinwall rear/Dirt" 2.1 blk skinwall non	Ritchey Z-max blk Skin- wall 2.1" rear/2.35" front	Kenda aggressive off road design 2.1" blk Skinwall	Cheng Shin Maxxis 2.1 Skinwall on/off road
SADDLE	"Flite" titanium	"Flite" titanium	Vetta SL leather cover	Vetta SL leather cover	Vetta SL leather cover	Vetta SL wide racing perforated Astrale	Vetta SL wide racing perforated Astrale
SEAT POST/BINDER	Tioga DL 2001/fixd binder	Tioga DL 2001/fixd binder	Tioga DL-2000/fixd binder	Kallor "Uno" w/custom lettering/fixd binder	Kallor "Uno" w/custom lettering/fixd binder	"Fusion" aluminum/Cr-mo Micro Adjust/QR	"Fusion" Aluminum/Cr-mo Micro Adjust/QR
PEDALS	Shimano M737 'SPD'	Shimano M737 'SPD'	Tioga Surefoot V1 w/71 finish	Shimano MS35 'SPD' cleats	Tioga Surefoot V1 w/71 finish	Wellgo Resin/Sil cage w/toe clips	Wellgo resin/Sil cage w/toe clips
BAR ENDS	Tioga Power Studs 1	Tioga Power Studs 1	Tioga Power Studs 1	Control Tech "team issue"	"L" bend alloy	"L" bend	N/A
BRAZE-ON/FITTINGS	Top tube cable guides with Dura Ace cable tension adjust, two water bottle bosses	Top tube cable guides, two water bottle bosses	Top tube cable guides, two water bottle bosses	Top tube cable guides, two water bottle bosses, fender eyelets, chain hanger	Top tube cable guides, two water bottle bosses, fender eyelets, chain hanger	Top tube cable guides, two water bottle bosses, fender & rack eyelets, chain hanger	Top tube cable guides, two water bottle bosses, fender and rack eyelets, chain hanger



This catalog was printed in the USA on recycled paper. Raleigh cares about the environment and is committed to helping protect the environment now and in the future. All products in this catalog are available exclusively through authorized Raleigh Bicycle Dealers. All Raleigh Bicycles have a lifetime limited warranty. See your authorized Raleigh Dealer for complete details. © Copyright 1992 Derby Cycle Corporation. All rights reserved.

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*** ACTIVITY REPORT ***

TRANSMISSION OK

TX/RX NO.	1058
CONNECTION TEL	912063891708
CONNECTION ID	
START TIME	05/16 13:48
USAGE TIME	03'51
PAGES	5
RESULT	OK

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U.S. CONSUMER PRODUCT SAFETY COMMISSION
WASHINGTON, D.C. 20207

OFFICE OF COMPLIANCE
AND ENFORCEMENT

MAY 22 1995

Division of
Corrective Actions
Tel: 301-504-0608
Fax: 301-504-0359

Certified Mail/Teletype

Patrick D. McVey, Attorney
Riddell, Williams, Bullitt & Walkinshaw
1001 Fourth Avenue, Suite 4400
Seattle, WA 98154

Re: CPSC RP950170
Derby Bicycle Co./Raleigh, USA
Bicycle head-lug

Dear Mr. McVey:

Thank you for your telephone report of May 11, 1995 under section 15(b) of the Consumer Product Safety Act, as amended (CPSA), 15 U.S.C. § 2064(b). In your report, you indicated that the head-lugs on Raleigh MT-400 bicycles may crack or fracture due to improper heat treatment of the metal used in their manufacture, which could cause the rider to lose ability to steer his bicycle and suffer a fall.

Enclosed for your information are the Consumer Product Safety Act and the Commission's regulation entitled, "Substantial Product Hazard Reports," 16 C.F.R. Part 1115. These documents explain the Commission's authority and policy with regard to products which may present substantial product hazards and also explain the firm's rights and obligations under the Act.

One of the responsibilities of the Compliance staff is to determine preliminarily whether a defect is present in a product and, if so, whether that defect rises to the level of a substantial product hazard as defined by section 15(a) of the Consumer Product Safety Act (CPSA), 15 U.S.C. § 2064(a).

Information Requested

For the staff to assess accurately the potential hazard associated with the firm's product, if any, it requires certain information from the manufacturer or importer of this product. Please provide the "Full Report" information specified by 16 C.F.R. § 1115.13(d) (1-14) on pages 200-201 of the enclosed Federal Register notice. In your response, please reference each

BB

question number (1-14).

In addition to providing the information requested in 16 C.F.R. §1115.13(d) (1-14), paragraph 15 of the "Full Report" requests any additional information needed by the staff. In accordance with paragraph 15 (see page 201), please also provide the following additional information:

- 15a. Copies of all test reports, analyses, and evaluations, including premarket tests and reports of tests and any analyses related to the reported problem. Include the date and place such tests and analyses were conducted by or on behalf of the firm and the identity of the persons involved in the testing and analyses.
- 15b. Copies of all engineering drawings, engineering change notices and material specifications relevant to the identified problem.
- 15c. The identity of the person(s) who identified the potential problem, the date he/she identified the problem, any persons they notified, and the date of notification.
- 15d. Concerning the information specified by 16 C.F.R. §1115.13(d)(6), please include a copy of all safety related consumer or dealer complaints, warranty claims, reports of injury, and copies of all documents related to such complaints, claims and injuries. Please include, copies of all court complaints and related documents filed in or associated with lawsuits involving the product and a description of the resolution of those lawsuits, if any.
- 15e. Provide two samples of the product, including retail packaging and instructions for assembly and use. Also provide a sample of the "fix", if such has been made, with instructions to be given to consumers. If there is a cost associated with these samples, notify us prior to sending the samples.
- 15f. A copy of the firm's catalog depicting the product.
- 15g. Explain how Raleigh was able to determine that only 938 units have the head lug problem. Please give technical detail to verify this.
- 15h. Please provide details on how Raleigh will replace or repair the defective head-lugs or frames, and how they will reach consumers or end users.
- 15i. Please send Drafts of any notices, posters, press releases and bulletins to us for preliminary review.

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If the consumer complaints and the other documents requested in Paragraph 15d above are unavailable, please indicate the reason for such unavailability, and provide a summary of the requested items containing the name, address and telephone number of the claimant, or the name address and telephone number of the plaintiff's attorney.

Staff Assessment

After receiving the firm's response, the Commission's Compliance staff will make a preliminary determination as to whether it believes the product presents a substantial product hazard. See 16 C.F.R. § 1115.12(a). Therefore, it is of primary importance that the firm now provide all of the requested information so that the staff can make an accurate assessment of the potential safety hazard associated with the product.

Information Disclosure

The Commission often receives requests for information provided by firms under section 15(b) of the CPSA. Section 6(b)(5) of the CPSA, 15 U.S.C. § 2055(b)(5), prohibits the release of such information unless a remedial action plan has been accepted in writing, a complaint has been issued or a firm consents to such release. (See section 6(b) of the CPSA, as amended (enclosed)).

In addition to the above, if the firm submits any information that it considers to be a trade secret, or confidential commercial or financial information, it must mark it "confidential" in accordance with section 6(a)(3) of the CPSA, as amended, 15 U.S.C. § 2055(a)(3) and 16 C.F.R. § 1015.18. The Commission is prohibited from disclosing to the public information that is in fact trade secret or proprietary commercial or financial data. If the firm does not request confidential treatment at the time of its submission or within ten days thereafter, the staff will assume that it does not consider information in the submission to be a trade secret or otherwise exempt from disclosure under section 6(a) of the CPSA and the Freedom of Information Act, 5 U.S.C. § 552(b)(4).

Continuing Obligation

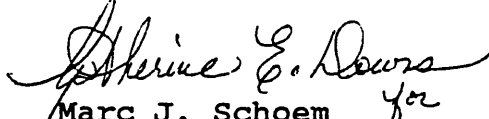
Please note that the firm has a continuing obligation to supplement or correct its "Full Report" as new or different information becomes known. For instance, if after filing the "Full Report" the firm receives or learns of information concerning other incidents or injuries, or information that affects the scope, prevalence or seriousness of the defect or hazard, it must report that information to this Division

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immediately.

The Division of Corrective Actions requests that the firm provide a response within 10 working days of your receipt of this letter. Please reference the CPSC file number in your response. If you seek assistance or if you have any questions, you may contact James A. DeMarco, Compliance Officer, Division of Corrective Actions, U.S. Consumer Product Safety Commission, 4330 East West Highway, Room 613, Washington, D.C. 20207-0001, telephone: (301) 504-0608 extension 1353. Thank you for your cooperation in reporting under section 15 of the Consumer Product Safety Act.

Sincerely,


Marc J. Schoem
Director
Division of Corrective Actions

Enclosures

Compilation of CPSC Statutes
Substantial Product Hazard Regulations
FOIA Regulations
Information Disclosure Sheet
Recall Handbook

cc: Consumer Product Safety Commission
Western Regional Center
600 Harrison Street
Room 245
San Francisco, CA 94107-1370

William Austin, Jr.
Raleigh USA Bicycle Co.
22710 72nd Avenue South
Kent, WA 98032

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Riddell, Williams, Bullitt & Walkinshaw

LAW OFFICES

PATRICK D. McVEY

May 11, 1995

MAY 15 RECD

VIA FACSIMILE
ORIGINAL TO FOLLOW BY MAIL

Mr. James A. DeMarco
Compliance Officer
Division of Corrective Actions
U.S. Consumer Product Safety Commission
4330 East West Highway, Room 613
Washington, D.C. 20207-0001

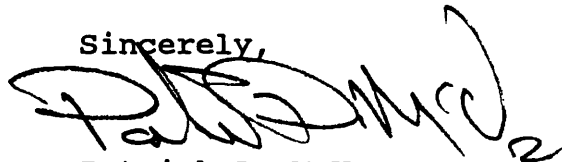
Re: 16.5 Inch Raleigh MT400 Bicycles

Dear Mr. DeMarco:

In accordance with our telephone conversation earlier today I have enclosed a copy of the letter which I faxed and mailed to Albert Limberg at the CPSC Western Regional Office on May 5, 1995.. - We will be providing you with a follow up report and action plan later this week.

Please do not hesitate to call me if you have any questions concerning this matter.

Sincerely,



Patrick D. McVey

PDM/lpv
Enclosure

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Riddell, Williams, Bullitt & Walkinshaw

LAW OFFICES

PATRICK D. McVEY

May 5, 1995

**CONFIDENTIAL
CONTAINS PROPRIETARY
TRADE SECRET INFORMATION
ATTORNEY WORK PRODUCT
DO NOT RELEASE WITHOUT PERMISSION
OF RALEIGH USA BICYCLE COMPANY**

**VIA FACSIMILE
ORIGINAL TO FOLLOW BY MAIL**

Mr. Albert F. Limberg
Consumer Product Safety Commission
Western Regional Center
600 Harrison Street, Room 245
San Francisco, CA 94107-1370

Re: 16.5 Inch Raleigh MT-400 Bicycles

Dear Mr. Limberg:

I am writing on behalf of Derby Bicycle Company d/b/a Raleigh USA Bicycle Company ("Raleigh"), to advise the CPSC of an investigation which is being undertaken by Raleigh regarding the performance of its 16.5 inch Raleigh MT-400 bicycles. I have enclosed a delegation of authority executed by the President of Raleigh delegating to me the authority to send this letter on its behalf.

On April 25, 1995, consulting experts retained by Raleigh examined a 16.5 inch Raleigh MT-400 bicycle which was involved in an accident in Bozeman, Montana. The examination revealed that the head lug on the bicycle may have fractured as a result of improper heat treatment by the component manufacturer. The head lug in question was manufactured by Lee Chi Enterprises Company, Ltd., No. 4-5 Shu-Pai Li, Cheng Hwa City, Taiwan, R.O.C.

Doc ID: S-205840 Ver: 1 5852-40
5/5/95 LPV

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(206) 624-3600 · FACSIMILE (206) 389-1708

BELLEVUE OFFICE

2100 SECURITY PACIFIC PLAZA · 777 108TH AVENUE N.E. · BELLEVUE, WASHINGTON 98004

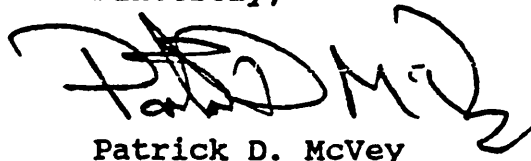
Mr. Albert F. Limberg
May 5, 1995
Page 2

Raleigh has initiated a comprehensive review of its production records and claims history and has undertaken a testing program to evaluate the problem. Raleigh expects to complete this review and analysis early next week.

Preliminarily, it appears that Raleigh's quality control procedures may not have detected a very limited number of head lugs with improper heat treatment which may have been shipped to Raleigh by Lee Chi. The preliminary investigation indicates that the head lugs with this potential problem were shipped to Raleigh in December, 1992 and potentially could have been used in bicycles produced after that date. Again, preliminary investigation of Raleigh's records indicate that 938 16.5 inch Raleigh MT-400 bicycles were manufactured using the head lug in question after that date. Raleigh expects to be able to complete its testing program and develop a comprehensive analysis of this problem by early next week. We will supplement this report at that time. Although Raleigh does not believe that this condition creates a substantial product hazard at this time, it wanted to advise the CPSC of the condition and the steps which it is committed to undertaking to investigate this condition so that the CPSC will be fully advised of the situation.

As noted in the heading of this letter, Raleigh considers the vendor, dealer, customer and other information furnished to the Commission in this report and any subsequent reports to be trade secret and confidential. The release of this information would harm the competitive position of Raleigh. Accordingly, confidential treatment of this letter is requested under the applicable provisions of the Consumer Product Safety Act, the Freedom of Information Act, the Trade Secrets Act, and other regulations implementing such laws.

Sincerely,



Patrick D. McVey

PDM/lpv
cc: Mr. Eric Bailey

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DELEGATION OF AUTHORITY

I, William W. Austin Jr., certify that I am the President of the above named company and that as such I am authorized to sign documents and to certify on behalf of said company the accuracy and completeness of information in such documents under Section 15 (b) of the CPSA.

Pursuant to the power vested in me, I hereby delegate that authority to the person listed below.

This delegation is effective until revoked in writing.

Authority is delegated to:

Patrick D. McVey
Riddell, Williams, Bullitt & Walkinshaw
1001 Fourth Avenue, Suite 4400
Seattle, WA 98154
Attorney

Date: 10-3-94

Signed: William W. Austin Jr.

William W. Austin, Jr.
Raleigh U.S.A. Bicycle Company
22710 - 72nd Avenue South
Kent, WA 98032

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SUITE 4400 • 1001 FOURTH AVENUE PLAZA • SEATTLE, WASHINGTON 98154

Riddell, Williams, Bullitt & Walkinshaw

LAW OFFICES

PATRICK D. McVEY

TELECOPY COVER LETTER

DATE: May 11, 1995

TIME: 2 pm

PLEASE DELIVER TO:

NAME: Mr. James A. DeMarco
FAX NO.: (301) 504-0359
FIRM/COMPANY: U.S. CPSC
CITY: Washington, D.C.
PHONE:

THIS TRANSMISSION IS FROM:

Patrick D. McVey
RIDDELL, WILLIAMS, BULLITT &
WALKINSHAW
4400 - 1001 Fourth Avenue Plaza
Seattle, Washington 98154

ADDITIONAL MESSAGE:

THIS TRANSMISSION CONSISTS OF 4 PAGE(S) (EXCLUDING THIS COVER LETTER).

To SEND to us, call 206/389-1708. To TALK to us, call 206/624-3600.

IF THERE IS A PROBLEM WITH TRANSMISSION OR YOU DO NOT RECEIVE ALL OF THE PAGES, PLEASE CALL 206/624-3600 x606 AS SOON AS POSSIBLE.

THE INFORMATION CONTAINED IN THIS FACSIMILE COMMUNICATION IS ATTORNEY/CLIENT PRIVILEGED AND/OR CONFIDENTIAL INFORMATION INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS COVER PAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE TO DELIVER IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION OR THE INFORMATION CONTAINED HEREIN IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE AT 206/624-3600, AND RETURN THIS FACSIMILE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. WE APPRECIATE YOUR COOPERATION.

Telecopier Operator: _____

Return to: L. Viasin

Client/Matter: 5852-38

Extension No.: 544

Doc ID: 9-207067 Ver: 1 5852-38
3/11/95 LPV

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Riddell, Williams, Bullitt & Walkinshaw

LAW OFFICES

PATRICK D. MCVEY

May 11, 1995

VIA FACSIMILE
ORIGINAL TO FOLLOW BY MAIL

Mr. James A. DeMarco
Compliance Officer
Division of Corrective Actions
U.S. Consumer Product Safety Commission
4330 East West Highway, Room 613
Washington, D.C. 20207-0001

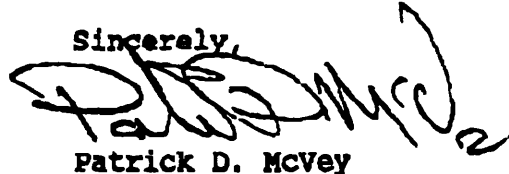
Re: 16.5 Inch Raleigh MT400 Bicycles

Dear Mr. DeMarco:

In accordance with our telephone conversation earlier today I have enclosed a copy of the letter which I faxed and mailed to Albert Limberg at the CPSC Western Regional Office on May 5, 1995. We will be providing you with a follow up report and action plan later this week.

Please do not hesitate to call me if you have any questions concerning this matter.

Sincerely,



Patrick D. McVey

PDM/lpv
Enclosure

Doc ID: S-207064 Ver: 1 5852-17
5/11/95 LPV

FOR OFFICIAL USE ONLY

DIRECTORATE FOR EPIDEMIOLOGY

DATA REVIEW

TO: J. DeMarco, CECA
Thru: M. Schoem
FROM : M. Edmonds, EPHA,^m
REQUEST: PSA 0529, Raleigh Bike Co. USA
Bike Head-Lug , Mt-400

DATE: 5/24/95
DATE DUE: 5/20/95
PRIORITY: c

HAZARD PATTERN: Head Lug failures

SELECTION CRITERIA:

Product Code(s): 1202, 5033, 5040
Text/Other : Raleigh, USA, Lug
Time Frame : 910000 - 950522
NFIRS Search Criteria: N/A

INCIDENTS IDENTIFIED:

<u>Data Base(s) *</u>	<u># of Incidents</u>	<u># of Deaths</u>
	See comments below	
Accident Investigations	--	--
Reported Incidents	--	--
Death Certificates	--	--
NEISS (Actual number)	--	--
NFIRS	--	--
TOTAL	--	--

* Incidents reported in more than one data base are included only once, in the data base listed first. These are reports EPHA was able to identify from the CPSC data files and should not be considered a statistical sample or a complete count of all such incidents that may have occurred.

NOTES/COMMENTS

No records found involving head lug failures. Printouts are attached for your review

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ACCIDENT INVESTIGATIONS
U.S. CONSUMER PRODUCT SAFETY COMMISSION
NATIONAL INJURY INFORMATION CLEARINGHOUSE
PSA 0529 BICYCLE HEAD LUG

1 910517HEP9003
CITY/STATE: MANHATTAN, NY
SEX: MALE
AGE: 009
DIAGNOSIS: FRACTURE
DOCUMENT NUMBER: 1202 BICYCLES OR ACCESSORIES
PRODUCTS: 0000 NO SECOND PRODUCT INVOLVEMENT

DATE ACC: 910513
TYPE: PHONE
STATUS: C
LOCATION: OUTDOOR REC. AREA, PLAYGROUND, SPORTS FIELD,
BODYPART: HAND

DATE ENT: 910617
SOURCE: NEISS
DISP: T & R

MANUFACTURER:
HUFFY USA 50
MODEL:
N/A

SYNOPSIS: THE 9 YEAR OLD MALE VICTIM, WITH NO HELMET, INCURRED A FRACTURED
RIGHT HAND WHEN HE FELL ONTO THE SIDEWALK AT A PUBLIC PARK, FROM HIS
BICYCLE AFTER LOSING CONTROL WHILE TRYING TO AVOID A BABY IN HIS PATH
. HE WAS TAKEN TO HOSPITAL THE NEXT DAY, TREATED AND RELEASED.

910731CWE5017
CITY/STATE: SAN FRANCISCO, CA
SEX: MALE
AGE: 032
DIAGNOSIS: CONTUSION/ABRASION
DOCUMENT NUMBER: F175017
PRODUCTS: 1202 BICYCLES OR ACCESSORIES

DATE ACC: 910625
TYPE: ONSITE
STATUS: C
LOCATION: STREET
BODYPART: FACE

DATE ENT: 911002
SOURCE: CONSUMER COMPLAINT
DISP: UNK

MANUFACTURER:
SCHWINN BICYCLE COMPANY
SCOTT USA SE PEDERSEN
SYNOPSIS: THE VICTIM'S ATTORNEY REPORTS THAT THE VICTIM WAS NOT WEARING ANY
HEAD PROTECTION AND WAS SERIOUSLY INJURED IN THIS INCIDENT, INVOLVING
THE VICTIM'S MOUNTAIN BICYCLE. NEW BRAKES HAD BEEN PROFESSIONALLY
INSTALLED BY A BICYCLE SHOP ON THE VICTIM'S MOUNTAIN BICYCLE'S FRONT
WHEEL. THE FIRST TIME THAT THE VICTIM APPLIED THESE NEW BRAKES, THE
BICYCLE STOPPED ABRUPTLY AND THE VICTIM WAS THROWN OVER THE BICYCLE'S
HANDLEBARS. INJURY WAS TO THE VICTIM'S FOREHEAD (PER THE POLICE
REPORT).

MODEL:
SCHWINN HIGH
SCOTT USA SE

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ACCIDENT INVESTIGATIONS
U.S. CONSUMER PRODUCT SAFETY COMMISSION
NATIONAL INJURY INFORMATION CLEARINGHOUSE
PSA 0529 BICYCLE HEAD LUG

3 910808HEP9004
CITY/STATE: STEELVILLE, PA
SEX: FEMALE
AGE: 026
DIAGNOSIS: CONCUSSION
DOCUMENT NUMBER:
PRODUCTS: 1202 BICYCLES OR ACCESSORIES
0000 NO SECOND PRODUCT INVOLVEMENT

DATE ACC: 910806
TYPE: ONSITE
STATUS: R
LOCATION: STREET
BODYPART: HEAD
DATE ENT: 911127
SOURCE: MEISS
DISP: T & R

MANUFACTURER:
RALEIGH - MODEL: SUPERCOURSE
BELL

MODEL:
RALEIGH
BELL

SYNOPSIS: A TWENTY SIX YEAR OLD FEMALE BICYCLE RIDER WHO WAS WEARING A PROTECTIVE HELMET, SUFFERED A POSSIBLE CONCUSSION WHEN SHE WAS THROWN FROM HER BICYCLE. THE VICTIM'S FRONT TIRE STRUCK A POT HOLE IN THE ROADWAY WHICH SHE FAILED TO SEE. THE VICTIM WAS TRANSPORTED TO A LOCAL HOSPITAL WHERE SHE WAS TREATED AND RELEASED. NO DISCERNABLE DAMAGE WAS DONE TO THE HELMET BEYOND "ROAD BURNS" TO THE NYLON COVERING OF THE HELMET.

4 910819CCN1956
CITY/STATE: EDINA, MN
SEX: MALE
AGE: 024
DIAGNOSIS: INTER ORGAN INJURY
DOCUMENT NUMBER: G180138A1
PRODUCTS: 1202 BICYCLES OR ACCESSORIES
0000 NO SECOND PRODUCT INVOLVEMENT

DATE ACC: 910801
TYPE: ONSITE
STATUS: C
LOCATION: OTHER PUBLIC LOCATION
BODYPART: HEAD
DATE ENT: 911022
SOURCE: NEWSPAPER
DISP: DEATH

MANUFACTURER:
RALEIGHOLYMPIAN
N/A

MODEL:
RALEIGH
N/A

SYNOPSIS: A 24 YEAR OLD MALE WAS DRIVING A STOLEN 12 SPEED MEN'S BICYCLE DOWN A SIDEWALK. IT APPEARS AS HE REACHED A POINT WHERE THE SIDEWALK AND DRIVEWAY MET, HE APPLIED THE BRAKES. AT THIS POINT THE FRONT WHEEL CAME OFF, CAUSING THE FRONT FORKS TO HIT THE CEMENT. THE VICTIM WAS THROWN OFF THE BIKE LANDING HEAD FIRST ON THE ASPHALT/ROCK DRIVEWAY. HE WAS PRONOUNCED DEAD AT THE SCENE FROM TRAUMATIC HEAD INJURIES.

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ACCIDENT INVESTIGATIONS
U.S. CONSUMER PRODUCT SAFETY COMMISSION
NATIONAL INJURY INFORMATION CLEARINGHOUSE
PSA 0529 BICYCLE HEAD LUG

5 910827HEP9009 DATE ACC: 910824 DATE ENT: 910927
CITY/STATE: PHOENIX, AZ TYPE: PHONE SOURCE: NEISS
SEX: MALE STATUS: C DISP: T & R
AGE: 046 LOCATION: STREET
DIAGNOSIS: FRACTURE BODYPART: WRIST
DOCUMENT NUMBER: 0000 NO SECOND PRODUCT INVOLVEMENT
PRODUCTS: 1202 BICYCLES OR ACCESSORIES

MANUFACTURER: MODEL: N/A
RALEIGH RALEIGH

SYNOPSIS: THE 46 YEAR OLD MALE VICTIM INCURRED LACERATIONS TO HIS RIGHT EAR AND ABOVE AND BELOW HIS RIGHT EYE, A FRACTURED WRIST, A FRACTURED UPPER END OF HIS RIGHT ARM, AND A CONTUSION TO HIS RIGHT SHOULDER WHEN HE FLEW OVER THE HANDLEBARS AND LANDED ON THE RESIDENTIAL STREET HE WAS RIDING ON. THE VICTIM'S BASEBALL CAP FLEW OFF HIS HEAD, THE VICTIM BRAKED, AND EITHER HE BRAKED TOO HARD OR HIS BRAKES LOCKED (IT IS UNKNOWN WHICH) AND HE FLEW OFF THE HANDLEBARS. THE VICTIM WORE NO HELMET. THE VICTIM WAS TAKEN TO THE HOSPITAL, TREATED, AND RELEASED.

6 910906HEP9007 DATE ACC: 910902 DATE ENT: 910927
CITY/STATE: PLANO, TX TYPE: PHONE SOURCE: NEISS
SEX: MALE STATUS: C DISP: T & R
AGE: 048 LOCATION: STREET
DIAGNOSIS: FRACTURE BODYPART: FACE
DOCUMENT NUMBER: 0000 NO SECOND PRODUCT INVOLVEMENT
PRODUCTS: 1202 BICYCLES OR ACCESSORIES

MANUFACTURER: MODEL: N/A
RALEIGH RALEIGH
MODEL: N/A
RALEIGH

SYNOPSIS: THE 48 YEAR OLD MALE VICTIM INCURRED A BROKEN NOSE AND ABRASIONS TO HIS SHOULDER, KNEE, THUMB AND ARM WHEN HE WAS THROWN OVER THE HANDLEBARS OF HIS BICYCLE AFTER RIDING OVER A SPOT SLICK FROM RAIN. THE VICTIM WAS TURNING WHEN HE RODE OVER THE SPOT. THE VICTIM WAS NOT WEARING A HELMET. HE WAS TAKEN TO THE HOSPITAL, TREATED AND RELEASED

146

ACCIDENT INVESTIGATIONS
U.S. CONSUMER PRODUCT SAFETY COMMISSION
NATIONAL INJURY INFORMATION CLEARINGHOUSE
PSA 0529 BICYCLE HEAD LUG

7 911009HEP9001 DATE ACC: 911005 DATE ENT: 911121
CITY/STATE: COOKESVILLE, PA TYPE: PHONE SOURCE: MEISS
SEX: FEMALE STATUS: C DISP: T & R
AGE: 006 LOCATION: HOME OR APT YARD, GARDEN, PLAYYARD, SIDEWALK
DIAGNOSIS: CONTUSION/ABRASION BODYPART: ELBOW
DOCUMENT NUMBER: 0000 NO SECOND PRODUCT INVOLVEMENT
PRODUCTS: 1202 BICYCLES OR ACCESSORIES

MANUFACTURER: MODEL:
RALEIGH-ZENNO N/A
N/A
SYNOPSIS: CHILD HIT BUMP IN DRIVEWAY THEN HIT A WALNUT AND LOST CONTROL OF HER
BIKE. SHE WAS APPARENTLY THROWN OVER THE HANDLEBAR AND SUSTAINED
CONTUSIONS AND ABRASIONS TO HER LEFT SHOULDER. VICTIM WAS NOT
WEARING A HELMET.

920306HCC0124 DATE ACC: 920209 DATE ENT: 920706
CITY/STATE: TACOMA, WA TYPE: OTHER SOURCE: NEWSPAPER
SEX: MALE STATUS: C DISP: DEATH
AGE: 025 LOCATION: STREET
DIAGNOSIS: HEMORRHAGE BODYPART: HEAD
DOCUMENT NUMBER: FZ20122A1
PRODUCTS: 1202 BICYCLES OR ACCESSORIES
1202 BICYCLES OR ACCESSORIES

MANUFACTURER: MODEL:
RALEIGH CYCLE CO. OF AMERICA UNK
UNK
SYNOPSIS: ON 2/9/92, A 25 YEAR OLD MALE WAS KILLED WHEN HE WAS STRUCK BY A CAR
AS HIS BICYCLE CROSSED THE CENTER LINE OF A TWO WAY STREET. HE
APPARENTLY LOST CONTROL OF HIS BIKE WHEN HE CROSSED SOME RAILROAD
TRACKS. HE WAS WEARING A BICYCLE HELMET.

451

ACCIDENT INVESTIGATIONS
U.S. CONSUMER PRODUCT SAFETY COMMISSION
NATIONAL INJURY INFORMATION CLEARINGHOUSE
PSA 0529 BICYCLE HEAD LUG

9 930114CCM0686
CITY/STATE: PONTIAC, MI
SEX:
AGE: 999
DIAGNOSIS: NOT STATED/UNKNOWN
DOCUMENT NUMBER: H310037A0
PRODUCTS: 1202 BICYCLES OR ACCESSORIES
0000 NO SECOND PRODUCT INVOLVEMENT

DATE ACC: 921001
TYPE: OTHER
STATUS: C
LOCATION: OUTDOOR REC. AREA, PLAYGROUND, SPORTS FIELD,
BODYPART: 99

DATE ENT: 930226
SOURCE: CONSUMER COMPLAINT
DISP: NO INJ

MANUFACTURER:
HARROW USA
MODEL:
20" HARO SHREDDER
N/A

SYNOPSIS: THE CONSUMER IS COMPLAINING ABOUT A BMX BIKE THAT HE PURCHASED FOR HIS SON (11 YEARS OLD). HE STATED THAT THIS BIKE DOES NOT STOP IN THE SAME AMOUNT OF TIME THAT ANOTHER 20" BIKE DOES. THERE HAVE BEEN NO INJURIES ASSOCIATED WITH THE PRODUCT.

NATIONAL ELECTRONIC INJURY SURVEILLANCE SYSTEM (NEISS)
 U.S. CONSUMER PRODUCT SAFETY COMMISSION
 NATIONAL INJURY INFORMATION CLEARINGHOUSE
 PSA 0529 BICYCLE HEAD LUG

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TR-DATE	AGE	SEX	DIAG	BDYPT	DIS	LOC	F/A	OCC	PRODUCTS	SV	COMMENT
921021	032	F	62	75	1	0	0	2	1202 0000	5	FELL RIDING BIKE 20 MPH WEARING HELMET LOST CONSCIOUSNESS BIKE FRAMEBOT TOM CROSS BRACE CRACKED AND SEP AT HEADSET LUG DX CLOSED HEAD INJURY
930605	012	M	53	75	1	1	0	2	1202 0000	3	FELL OFF BICYCLE--CAUSATION UNKNOWN--CONTUSED HEAD
940411	008	F	59	36	1	1	0	2	5040 0000	2	PT STS FELL OFF BIKE HITTING LEG ON BIKE FRAME. DX: LACERATION LOWER LEG (HMO REFUSAL)
940416	032	F	64	89	1	0	4	2	5040 0000	3	SPRAIN. WHILE RIDING BIKE HIT CAR DOOR AND FELL SUSATAINED NECK SPRAIN
940415	006	M	53	88	1	0	0	2	5040 0000	2	UPPER LIP CONTUSION WITH MULTIPLE ABRASIONS - MUCOUSAL AVULSION UPPER L IP - FLIPPED OVER HANDLE BARS OF BIKE
940822	016	F	53	76	1	0	0	2	5040 0000	3	PT.FELL OFF HER BICYCLE TODAY AND SUSATAINED INJURY TO HER FACE.
941008	005	M	53	37	1	5	4	2	5040 0000	2	5 YO MALE SUSATAINED CONTUSIONS TO LEFT ANKLE AFTER BEING THROWN FROM BICYCLE AFTER BEING HIT BY CAR
941012	040	M	53	77	1	1	0	2	5040 1819	2	OM 10/16 WORKING ON BIKE LUGS, FELT SOMETHING GO INTO EYE WHILE FILING CHROME NUTS.PERSISTENT TEARING&FB SENSATION:FB REMOVAL EYE CORNEAL ABR
941112	007	F	59	76	1	1	0	2	5040 0000	4	LAC CHIN-WRECKED ON A HUFFY BIKE ON THE BLACKTOP-HELMET USAGE UNKNOWN

2

REPORTED INCIDENT FILE

2 X186450A1 910819CCC2690 ISSUE : 46
CONFIRMED ? : DATE RECEIVED : 910812
STATE : MN CITY : EDINA
SOURCE : 00 TYPE OF CONTACT: MECAP
PRODUCT(S) : 1202 BICYCLES OR ACCESSORIES
:
DATE INJURED: 910801 WORK RELATED : N
AGE : 024 SEX : MALE
INJURY : DEATH HAZARD : FALLS
BRAND : RALEIGH
MODEL :
NARRATIVE : SCREENED ? :
A 24 YEAR OLD MALE DIED FOLLOWING RIDING HIS BICYCLE WHEN THE FRONT W
HEEL FELL OFF CAUSING HIM TO FALL ONTO THE PAVEMENT.

PRESS PF3 TO RETURN TO SELECTION CRITERIA, PF2 TO SUBMIT BATCH JOB
PRESS ENTER TO BROWSE NEXT RECORD, PF1 TO SEE SCREENER DATA

4B± LUA

GATEWAY1 2E NUM

R 1 C 1

150

PSA ACTION (FOR PSA USE ONLY)

*****FOR OFFICIAL USE ONLY*****

Request number: _____
Date Processed: _____
Date Requested: _____
Due Date: _____

PRODUCT SAFETY ASSESSMENT (PSA) TECHNICAL EVALUATION REQUEST

Note: Print, use black pen, no blue ink.

Requested by: James DeMarco Org. Codes: CECA F0WR

Date: 5-23-95 Priority: Case# RP950170

PRODUCT INFORMATION

Manufacturer: Derby Bicycle Co./Raleigh, USA State: Kent, WA 98032

Product: Bicycle head-lug

Sample number: _____

Sample Disposition: Return to Requestor Store at Whse Other: _____

EVALUATION REQUESTED: _____

ES PLEASE DO A FILE REVIEW AND DETERMINE IF THE FIRM HAS CORRECTLY IDENTIFIED THE DEFECT WITH THE HEAD-LUGS AND ALSO IF THEIR DATA PROVES THIS AND PROVES THAT THE "FIX" IS ADEQUATE TO CORRECT THE PROBLEM. PLEASE COMMENT. _____

EPI ASSESSMENT: Dates: From _____ TO _____ Sort by Mfg. Yes ___ No ___

IDI IPII NEISS Comments NEISS Estimates Deaths NFIRS

Hazard: If a head lug fractures the rider would lose ability to steer his bicycle and could suffer a fall

Requested date: 6-12-95 Attachments: SEE CO FOR FILE RM. 613.11

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PSA ACTION (FOR PSA USE ONLY)

Request number: _____
Date Processed: _____
Date Requested: _____
Due Date: _____
Assigned to: _____
Organization: _____
I.O.: _____
Req. Summary: _____

****FOR OFFICIAL USE ONLY****

PRODUCT SAFETY ASSESSMENT (PSA) TECHNICAL EVALUATION REQUEST
Note: Print, use black pen, no blue ink.

Requested by: James DeMarco Org. Codes: CECA FOMR
Date: 5-23-95 Priority: Case# RP950170

PRODUCT INFORMATION

Manufacturer: Derby Bicycle Co./Raleigh, USA State: Kent, WA 98032

Product: Bicycle head-lug

Sample number: _____

Sample Disposition: Return to Requestor Store at Whse Other: _____

EVALUATION REQUESTED: _____

ES PLEASE DO A FILE REVIEW AND DETERMINE IF THE FIRM HAS CORRECTLY IDENTIFIED THE DEFECT WITH THE HEAD-LUGS AND ALSO IF THEIR DATA PROVES THIS AND PROVES THAT THE "FIX" IS ADEQUATE TO CORRECT THE PROBLEM. PLEASE COMMENT. _____

EPI ASSESSMENT: Dates: From _____ TO _____ Sort by Mfg. Yes ___ No ___

IDI ___ IPII ___ NEISS Comments ___ NEISS Estimates ___ Deaths ___ NFIRS

Hazard: If a head lug fractures the rider would lose ability to steer his bicycle and could suffer a fall

Requested date: 6-12-95 Attachments: SEE CO FOR FILE RM. 613.11

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FOR OFFICIAL USE ONLY

United States
CONSUMER PRODUCT SAFETY COMMISSION
Washington, D.C. 20207

MEMORANDUM

DATE: June 8, 1995

TO : J. A. DeMarco, CECA
Through: Marc Schoem, Director, ESME
James F. Hoebel, Acting Director, ESME *J. F. Hoebel*
FROM : Thomas E. Caton, CECA *Thomas E. Caton*
SUBJECT: PSA 0570, RP950170, Derby Bicycle Company d.b.a.
Raleigh, USA Bicycle Head Lug

REQUEST

Review file and determine if the firm has correctly identified the defect with the head-lugs and also if their data proves this and proves that the "fix" is adequate to correct the problem.

ASSESSMENT OF THE PROBLEM

As of May 19, 1995, Derby Cycle Corporation (Derby) d.b.a. Raleigh U.S.A. (Raleigh) was aware of two Lee Chi Enterprises Co., Ltd. (Lee Chi) aluminum alloy head lugs (Part No. 001-1403-110) involving 16.5 inch frame 1993 Raleigh MT-400 bicycles that resulted in injury. Derby reports that similar Lee Chi head lugs were used with their 1993 Raleigh MT-500 bicycles. They believe that the failures involved defective head lugs that had slipped through their quality control procedures while being received during December 1992. Apparently, the quality control inspection procedures need to be improved.

Derby believes that the questionable head lugs were only used with their 1993 Raleigh 16.5 inch frame MT-400 bicycles and FT-500 bicycles, but not with their 15-inch, 18.5-inch, or 20.5-inch frame 1993 Raleigh MT-400 bicycles. Derby proposed a recall for replacing the suspect 1993 16.5 inch frames. This recall involves: 302 MT-400 bicycles distributed domestically, 633 MT-400 bicycles distributed internationally, and 24 FT-500 bicycles distributed domestically. All of the suspect bicycle frames can be identified by the sixth digit of the frame's serial number. Those frames that have a 3 for the sixth digit of the serial number must be replaced and those that have a 2 for the sixth digit of the serial number do not have to be replaced.

Derby reported two reasons for the Lee Chi head lug failures. The first reason was that the forged aluminum head lugs had received an improper heat treatment. This was determined by a private laboratory, hired by Derby, who examined

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~~FOR OFFICIAL USE ONLY~~

a fractured head lug and determined that it had failed in a brittle manner, which was indicative of an improper heat treatment. Some head lugs had received proper heat treatments because this laboratory also examined a head lug that exhibited the expected degree of ductility during testing. Another laboratory, hired by Derby, confirmed these findings. The second reason for head lug failure was identified as the Technium process that was used to assembly the bicycle's aluminum alloy tubes to the head lug. Derby reported that "...if the machine was not properly aligned, or if the component head lug was improperly sized or otherwise flawed, the head lug could crack." Derby apparently no longer uses the Technium process because they reportedly have ceased marketing the Technium frame.

CONCLUSION

Derby (d.b.a. Raleigh) provided test results that indicate that they have correctly identified the problem as due to the improper heat treated Lee Chi forged aluminum head lugs and the Technium process which may have cracked the head lugs during assembly.

Their "fix" of replacing all of the suspect frames with new frames and ceasing to use the Technium assembly process is adequate. Derby's quality control inspection procedures of incoming head lugs apparently needs to be improved.

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FORM 1A
Initial input and staff worksheet

RECEIVED BY: WEST
TIME: 5/5/95
HAZARD PRIORITY: FAX

CORRECTIVE ACTIONS DIVISION
REPORT SHEET: OFFICE USE ONLY

NUMBER: RP 950170 DATE OPENED 050595 (yyymmdd) DT CLOSED

CACA CONTACT: DOMARCO, JAY RO: WEST

COMPANY NAME: Raleigh USA / Derby Cycle

ADDRESS: 22710 72nd Ave South

CITY: Kent STATE: WA ZIP: 98032

COMPANY CONTACT: PAV McVey TELEPHONE: 206-462-4500

Outside Counsel

TYPE: MFG DIST RETAIL PVT LBLR IMPORTER

NEIS CODE: 1202 TOTAL INVOLVED 83

PRODUCT DESCRIPTION Raleigh 16 1/2" bicycle

MODEL: 16 1/2" MT 400

CEO/Delegace if different from above:

BRAND: Raleigh / Derby Cycle

POT. HAZARD: Head lug breaks

COMMENTS:

(END COMPUTER ENTRY)

II. ADDITIONAL PRODUCT IDENTIFICATION

A. Identification/Serial Number:

B. Location of Serial/Model Numbers: TBD

C. Certification on Product (UL, etc.):

D. Average Lifetime of Product:

E. Unit Retail Value: \$480

III. ADDITIONAL DEFECT AND HAZARD INFORMATION

A. Description of defect:

Improper heat treatment of metal used to make Head Lug - Could cause it to fracture affecting steering of bike.

BS

(Product Defects Continued)

B. Cause of Defect (for example, design, quality control, materials, production error):

Heat Tx in Taiwan

C. Date Discovered, How and by Whom (name of person and title):

4/25/95 incident

D. When were Affected Products Produced (and how determined):

Dec. / 1992 after.

E. Estimated Proportion of Affected Products in Total Number of Products Involved (and how determined):

F. Injury and Property Damage:

(1) Nature and severity of injury/property damage:

unk.

(2) Number and type of injuries or incidents reported to date:

1 incident - Montana

G. Total Number of Products Involved:

Number with manufacturer/importer:

Number with Distributors:

Number with retailers:

Number with consumers:

H. Geographical Distribution:

USA

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IV. MANUFACTURER/IMPORTER (if different from "Reporting Firm")

A. Name:

B. Address:

C. Telephone Number: ()

D. Contact and Title:

E. If an Imported Product, Names of Other Importers of Product (if known)

*TIAWAN
manuf.*

V. DISTRIBUTOR/PRIVATE LABELER (if manufacturer unknown or if large company; for example, Penney, Sears Ward)

A. Name:

B. Address:

C. Telephone Number: ()

D. Contact and Title:

VI. COMPONENT PART MANUFACTURER (if applicable)

A. Name:

B. Address:

C. Telephone Number: ()

D. Contact and Title:

E. Description of Component Part Involved:

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VII. PRODUCT DOES NOT COMPLY WITH CPSA RULE OR STANDARD UNDER TRANSFERRED ACTS

- A. Act Involved:
- B. Standard or Ban Involved:
- C. Description of Noncompliance:
- D. Date Discovered and How: *incident*

VIII. CORRECTIVE ACTION

- A. Notification to:
 - Distributors
Date:
Method:
 - Retailers
Date:
Method:
 - Consumers
Date:
Method:

*Letter to
Dealers
&
poster*

- B. Recall (and date begun):
- C. Repurchase, Refund, Repair (and date begun):
- D. Technical Fix:
- E. Disposition of Returned Units:

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IX. REMINDERS AND STAFF REQUESTS

- Exemption Claimed for Fact and Content of Report--
Explanation That This Confidentiality Lapses With
Preliminary Staff Determination Re Hazard
- Exemption Claimed as Proprietary Data--Detailed
Written Request to Follow
- Written Verification of Initial Telephone Report
Within 48 Hours
- Written Full Report Requested, Attn: Hazard Evaluation
Branch (to be requested of manufacturers and importers
only)
- Copy Area Office
- Sample Request (only where have prior approval from
small purchases)

called
5/11/95
sent FAX
to
Lumbers on
5/15/95
Wes R. C.

159

FORM 1A
Initial input and staff worksheet

RECEIVED BY: WEST
TIME: 5/5/95
HAZARD PRIORITY: FAX

CORRECTIVE ACTIONS DIVISION
REPORT SHEET: OFFICE USE ONLY

NUMBER: RP 750170 DATE OPENED 050595 (YYMMDD) DT CLOSED

CACA CONTACT: ADAMARCO, JAY RO: WEST

COMPANY NAME: Raleigh USA / Derby Cycle

ADDRESS: 22710 72nd Ave South

CITY: Kent STATE: WA ZIP: 98032

COMPANY CONTACT: PAT McVey TELEPHONE: 206-462-4500

Crosside
Counsel

TYPE: MFG DIST RETAIL PVT LABEL IMPORTER

NEWS CODE: 1202 TOTAL INVOLVED 83

PRODUCT DESCRIPTION Raleigh 16 1/2" bicycle

MODEL: 16 1/2" MT 400

CEO/Delegace if different from above:

BRAND: Raleigh / Derby Cycle

POT. HAZARD: Head lug breaks

COMMENTS:

(END COMPUTER ENTRY)

II. ADDITIONAL PRODUCT IDENTIFICATION

- A. Identification/Serial Number:
- B. Location of Serial/Model Numbers: T3D
- C. Certification on Product (UL, etc.):
- D. Average Lifetime of Product:
- E. Unit Retail Value: \$480 ↑

III. ADDITIONAL DEFECT AND HAZARD INFORMATION

A. Description of defect:

1WD

Improper heat treatment of metal used to make Head Lug - could cause it to fracture affecting steering of bike

(Product Defects Continued)

B. Cause of Defect (for example, design, quality control, materials, production error):

Heat Tx in Taiwan

C. Date Discovered, How and by Whom (name of person and title):

4/25/95 incident

D. When were Affected Products Produced (and how determined):

Dec: / 1992 after

E. Estimated Proportion of Affected Products in Total Number of Products Involved (and how determined):

F. Injury and Property Damage:

(1) Nature and severity of injury/property damage:

unk.

(2) Number and type of injuries of incidents reported to date:

1 incident - Montana

G. Total Number of Products Involved:

Number with manufacturer/importer:

Number with Distributors:

Number with retailers:

Number with consumers:

H. Geographical Distribution:

USA

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IV. MANUFACTURER/IMPORTER (if different from "Reporting Firm")

A. Name:

B. Address:

C. Telephone Number: ()

D. Contact and Title:

E. If an Imported Product, Names of Other Importers of Product (if known)

*TIAWAN
manuf.*

V. DISTRIBUTOR/PRIVATE LABELER (if manufacturer unknown or if large company; for example, Penney, Sears Ward)

A. Name:

B. Address:

C. Telephone Number: ()

D. Contact and Title:

VI. COMPONENT PART MANUFACTURER (if applicable)

A. Name:

B. Address:

C. Telephone Number: ()

D. Contact and Title:

E. Description of Component Part Involved:

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IX. REMINDERS AND STAFF REQUESTS

- Exemption Claimed for Fact and Content of Report--
Explanation That This Confidentiality Lapses With
Preliminary Staff Determination Re Hazard
- Exemption Claimed as Proprietary Data--Detailed
Written Request to Follow
- Written Verification of Initial Telephone Report
Within 48 Hours
- Written Full Report Requested, Actn: Hazard Evaluation
Branch (to be requested of manufacturers and importers
only)
- Copy Area Office
- Sample Request (only where have prior approval from
small purchases)

*called
5/11/95
sent FAX
to
Lumber on
5/15/95
Wes R.O.
163*

VII. PRODUCT DOES NOT COMPLY WITH CPSA RULE OR STANDARD UNDER TRANSFERRED ACTS

- A. Act Involved:
- B. Standard or Ban Involved:
- C. Description of Noncompliance:
- D. Date Discovered and How: *incident*

VIII. CORRECTIVE ACTION

- A. Notification to:
 - Distributors
Date:
Method:
 - Retailers
Date:
Method:
 - Consumers
Date:
Method:

*Letter to
Dealers
&
poster*

- B. Recall (and date begun):
- C. Repurchase, Refund, Repair (and date begun):
- D. Technical Fix:
- E. Disposition of Returned Units:

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rprecerlscov

EXCE NEWS RELEASE REVIEW/CLEARANCE

DATE: December 18, 1995
SUBJECT OF RELEASE: RP960032
PROPOSED RELEASE DATE: 12-19-95

RECALL PRIORITY CLASS:

SECTION 15 RECALL: CIVIL PENALTY SETTLEMENT:
For additional information contact: Jay DeMarco, CO,CCA,HQ x 1353

BACKGROUND/SUMMARY: Firm made Sec 15 report on Nov 21, 1995 under the NOPD 20 day Pilot Program.

The exact text of the proposed release has been negotiated with the firm. Any changes must be conveyed to EXCE for possible renegotiation with this firm.

Products available? Yes No

Photos available? Yes No

Clearance Office	Signature	Approve	Disapprove	Date	6(b)6
Comp. Jay DeMarco CO		x		12/19/95	✓
Marc Schoem, CE Dvsn. Director		x ✓		12/19/95	msj
EXCE		✓		12/19/95	msj
EXHR					
EXPA					
OGC					
OEX					

OGC and OEX should each return this form and the attached release to EXPA after it has been reviewed and initialed/signed. The 6(b)6 column indicates clearance is in accordance with CPSC Directive 1450.2 concerning whether the information is

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NEWS from CPSC
U.S. CONSUMER PRODUCT SAFETY COMMISSION
OFFICE OF INFORMATION AND PUBLIC AFFAIRS

WASHINGTON, D.C. 20207

FOR IMMEDIATE RELEASE
1995
Release # 96

CONTACT:
(301) 504-0580 Ext.

CPSC AND RALEIGH USA ANNOUNCE BIKE FRAME RECALL

WASHINGTON, D.C. - In cooperation with the U.S. Consumer Product Safety Commission (CPSC), Raleigh USA, of Kent, Wash., is recalling approximately 300 Technium MT 400 bicycle frames and 24 Technium FT 500 bicycle frames. The bicycle frames can fracture in the front, and as a result, riders could be injured or killed if they are thrown from the bicycles.

Raleigh USA is aware of two incidents in which frames have cracked or broken, causing injuries ranging from cuts and bruises to broken bones.

The Model MT 400 bicycles, measuring 16.5 inches from the center of the bottom bracket to the seat, are red and black. The Model FT 500 bicycles, measuring 16.5 inches from the center of the bottom of the frame to the seat, are black and white. Authorized Raleigh Dealers and bicycle shops nationwide sold the bicycles between January and June 1993, for approximately \$500 to \$700.

LINE DRAWING HERE -- WE NEED LINE DRAWING OF BIKE, FRAME, AND INDICATION OF WHERE THE SERIAL NUMBER IS

Consumers should check their bicycle's serial number, located on the bottom bracket of the bicycle frame. Consumers who own Raleigh Model MT 400 bicycles with serial numbers ending in the number 3 should call Raleigh USA at (800) 222-5577. Raleigh will provide consumers the name of the nearest authorized Raleigh dealer, who will replace the frame free of charge. Raleigh may also be contacted via the Internet at raleigh@aol.com.

The U.S. Consumer Product Safety Commission protects the public from the unreasonable risk of injury or death from 15,000 types of consumer products under the agency's jurisdiction. To report a dangerous product or a product-related injury and for information on CPSC's fax-on-demand service, call CPSC's hotline at (800) 638-2772 or CPSC's teletypewriter at (800) 638-8270. To order a press release through fax-on-demand, call (301) 504-0051 from the handset of your fax machine and enter the release number. Consumers can obtain this release and recall information via Internet gopher services at cpsc.gov or report product hazards to tinfo@cpsc.gov.

####

164

*** ACTIVITY REPORT ***

TRANSMISSION OK

TX/RX NO.	7185
CONNECTION TEL	912063891708
CONNECTION ID	
START TIME	12/19 09:41
USAGE TIME	01'45
PAGES	3
RESULT	OK

Radiation

Fleming:

Mr & Mrs

167



U.S. CONSUMER PRODUCT SAFETY COMMISSION
WASHINGTON, DC 20207

OFFICE OF COMPLIANCE

DIVISION OF
CORRECTIVE ACTIONS
Tel: 301-504-0608
FAX: 301-504-0359

DATE: 12/19/95 PAGES TRANSMITTED 2 + cover
TO: PAT Melvey + D. FLEMING
TITLE: _____
OFFICE: Raleigh
FAX #: 206-389-1708

FROM: J. DeMarco
REMARKS: Call ASAP?

NOTE: If all pages are not received, or if you have problems with this transmittal, please contact the person listed above.

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

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U.S. CONSUMER PRODUCT SAFETY COMMISSION
WASHINGTON, DC 20207

OFFICE OF COMPLIANCE
DIVISION OF REGULATORY MANAGEMENT

Tel: 301-504-0400

FAX: 301-504-0359

DATE: 12/14/95 PAGES TRANSMITTED 2 + cover

TO: PAT McVey - Doug FLEMING

TITLE: ATTY for Raleigh USA

OFFICE: _____

FAX #: 206-389-1708

FROM: J. DeWaller

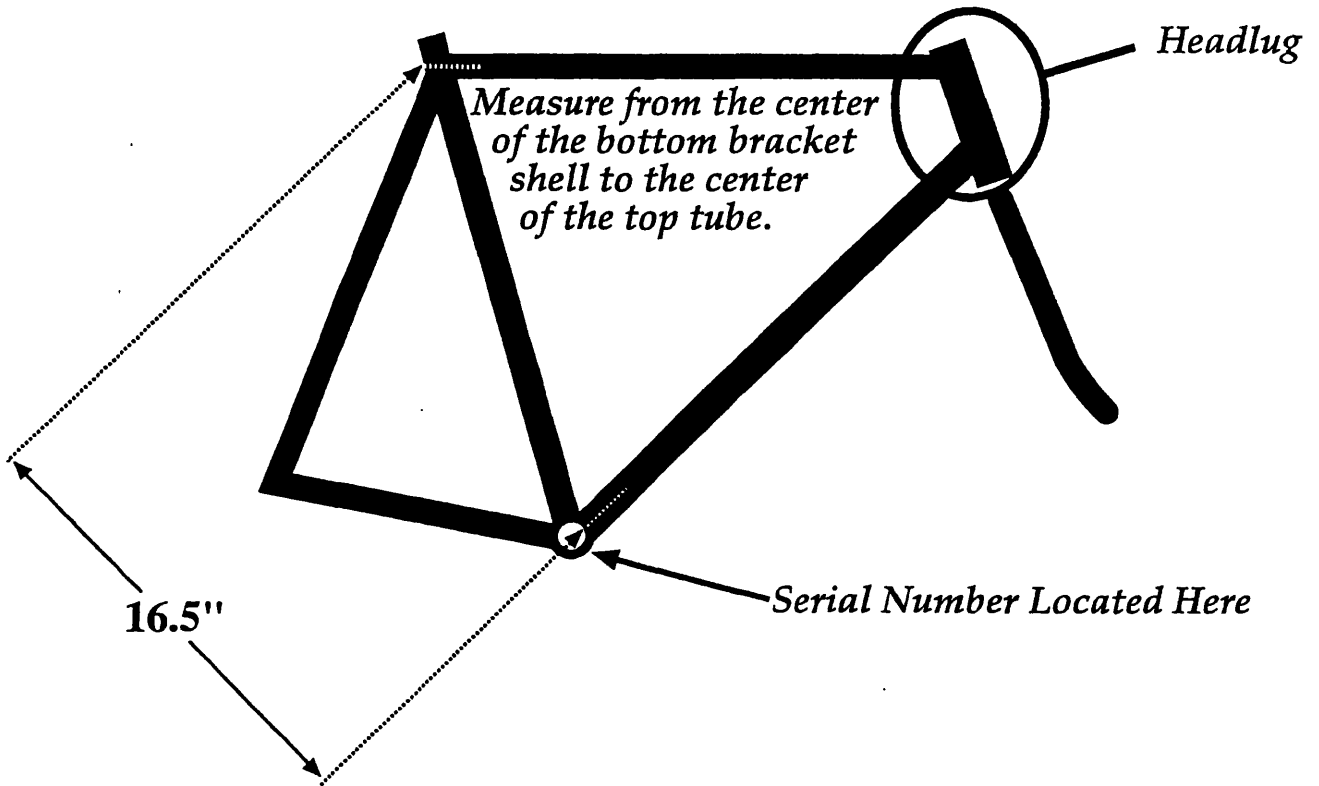
REMARKS: Call at Green

NOTE: If all pages are not received, or if you have problems with this transmittal, please contact the person listed above.

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

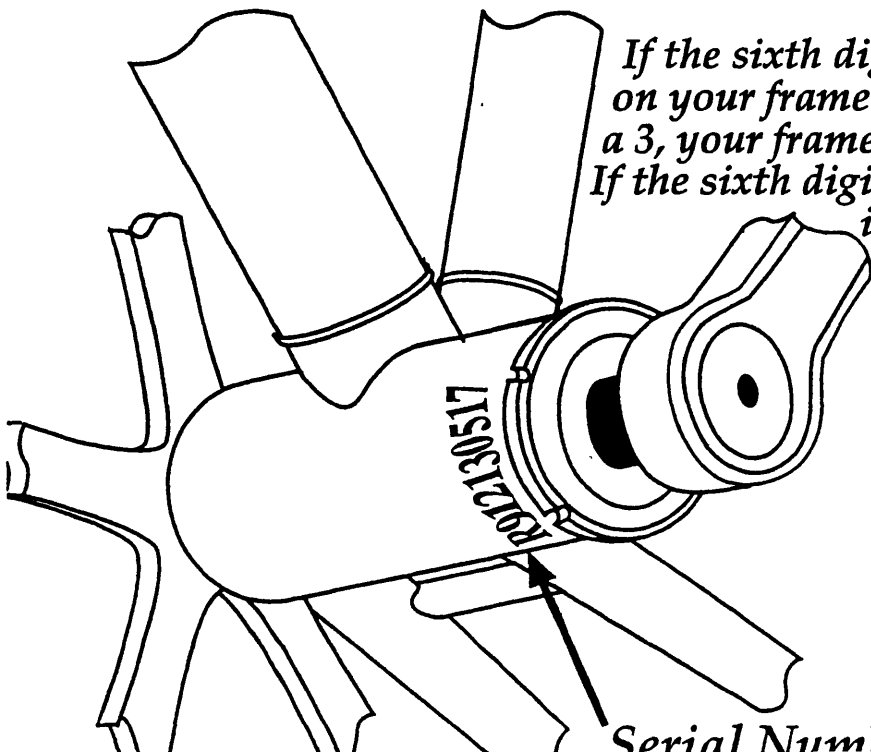
169

Do You Have a 16.5" Frame?



Is Your Frame on the Recall?

If the sixth digit from the left on your frame's serial number is a 3, your frame must be replaced.
If the sixth digit from the left is a 2, your frame does not need to be replaced.



R912130517

REPLACE FRAME

R931120522

FRAME O.K.

170

Serial Number Location

Riddell, Williams, Bullitt & Walkinshaw

LAW OFFICES

TRANSMITTAL MEMORANDUM

DOUGLAS H. FLEMING

VIA AIRBORNE EXPRESS

To: Mr. James A. DeMarco
Compliance Officer
Division of Corrective Actions
U.S. Consumer Product Safety Commission
4330 East West Highway, Room 613
Washington, D.C. 20207-0001

Date: December 14, 1995

Re: Lee Chi Head Lug on 16.5 Inch Raleigh MT 400 Bicycles, Case No. RP95-170

Description of Documents and/or Papers:

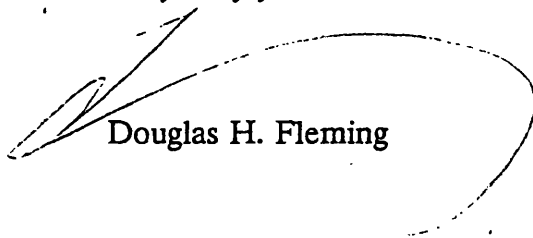
Original line drawing.

For the following purpose:

- | | |
|--|--|
| <input type="checkbox"/> For Your Information | <input type="checkbox"/> For Signature |
| <input checked="" type="checkbox"/> Per Our Conversation | <input type="checkbox"/> For Recordation |
| <input checked="" type="checkbox"/> Per Your Request | <input type="checkbox"/> For Payment |
| <input type="checkbox"/> For Review and Comment | <input type="checkbox"/> For Your Files |
| <input type="checkbox"/> Call Upon Receipt | |

If you have any questions, please do not hesitate to call.

Very truly yours,

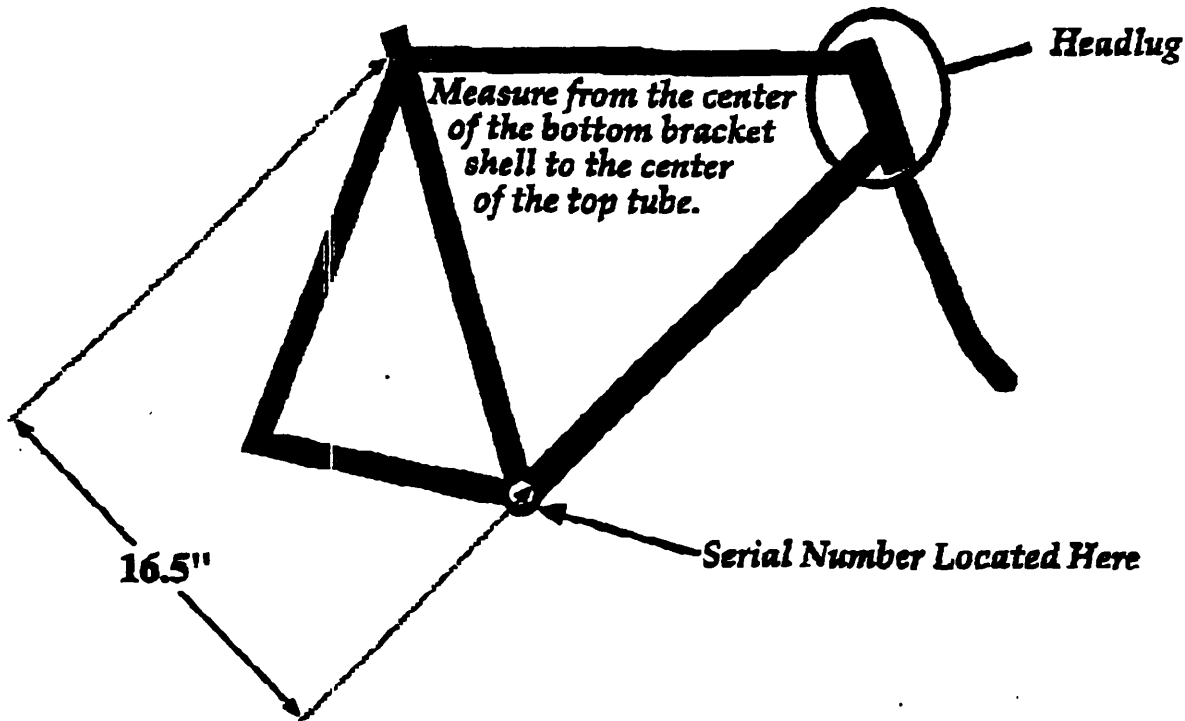


Douglas H. Fleming

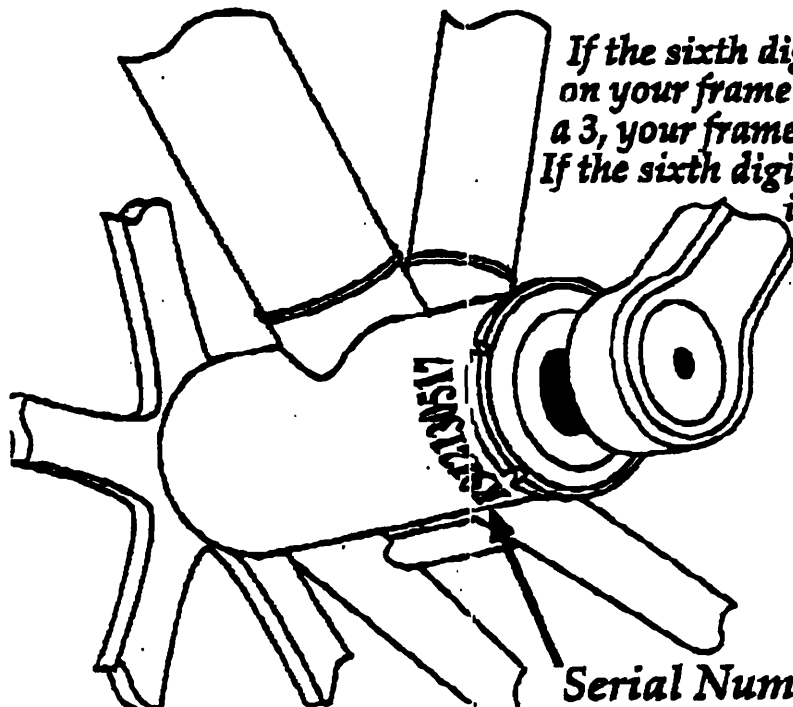
Enclosure

171

Do You Have a 16.5" Frame?



Is Your Frame on the Recall?



If the sixth digit from the left on your frame's serial number is a 3, your frame must be replaced.
If the sixth digit from the left is a 2, your frame does not need to be replaced.

R912130517

REPLACE FRAME

R931120522

FRAME O.K.

Serial Number Location

172

PRELIMINARY STAFF DETERMINATION
SECTION 15 OF THE CONSUMER PRODUCT SAFETY ACT

LB #:

Date: December 13, 1995

Case Number: RP950170

Date of Report or file opening: 05/05/95

Manufacturer/Importer

Distributor

Firm and Address:

Derby Bicycle Co./Raleigh, USA

22710 72nd Avenue South

Kent, WA 98032

Firm contact: Pat McVey, Esq. Phone #: 206-624-3600

Product & Brand Name: Bicycle frame on models MT400 & FT500 men's 16.5" models.

Price: \$500 to \$700

Product life: Unknown

Potential Problem: Frame may crack at the headlug due to improper heat treatment of metal.

How problem discovered: Reported by firm in May 1995

I. Defect:

Defect exists: The defect is associated with improper heat treatment of the welds at the headlug portion of the bicycle frame. Through a quality control glitch a few units went undetected when inspected for weld flaws. The defect is exclusive to the Raleigh 1993 MT400 and FT500 16.5 inch men's models. In addition, a manufacturing process called Technium may also cause the headlugs to crack.

173 AP

II. Substantial Risk Factors:

RP950170

A. Pattern of defect:

Other: The problem is with the manufacturing process used and flaws in Q/C inspection.

B. Involved Products: 324

Total Manufactured/Imported: 324

Undistributed with mfg:

Total Distributed: 324

Distributor/Retailer: 0

Consumer: 303

Date(s) of production: Jan to May 1993

Date(s) of distribution: Jan 1993 to Feb 1994

Geographic Distribution: Worldwide

C. Severity of the Risk:

1. Seriousness of Injury: If a headlug fractures the rider would loose ability to steer his bicycle and could suffer a fall which could result in broken bones or head injuries.

2. Likelihood of injury: Low, since very few of the frames with the defective weld are in the hands of the consumer [300]. The technical analysis done by ESME has determined that some warning would be given to the rider if the headlug were to crack or even break i.e. vibrations, steering difficulty, and the rider would sstop use of the bicycle.

3. Number of incidents & type: 2 incidents involving cuts and broken bones.

III. Assessment of the Substantiality of the Hazard

Substantial hazard, classification C

Preliminary determination that risk of injury exists, remedial action by firm be acknowledged and file closed.(Classification D).

174
AP

RP950170

IV. Compliance with Reporting Obligation:

 Further investigation and review recommended

 x No further investigation recommended at this time

PD APPROVALS:

Compliance Officer
J. DeMarco

[Handwritten signature]
12/13/95

Attorney
Ron Yelenik

Asst. Director, CCA
C. Downs

[Handwritten signature] *12-14-95*

175
AP

**Voluntary Corrective Action Plans Under
Section 15 of the Consumer Product Safety Act and
Section 15 of the Federal Hazardous Substances Act**

DATE	FIRM AND PRODUCT	ALLEGED HAZARD	REMEDY
12/95	Derby Bicycle Co./Raleigh, USA Kent, WA Bicycle head-lug	If a head lug fractures the rider would loose ability to steer his bicycle and could suffer a fall and be injured.	Joint Press Release; notice to all dealers, customers, and distributors via mail; FREE replacement frame; and 800 toll free line.

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**SAFETY RECALL NOTICE #1
CONSUMER BULLETIN**

Date: May 22 1995
SUBJECT: 1993 16.5" Raleigh MT400 Bicycle frames

1993 16.5 Raleigh MT400 bicycle frames (serial numbers R****3****, 300 frames total) are being recalled. The method of measuring your bicycle for sizing and serial number explanation are shown on the reverse side. If you're not sure if your bicycle is included, contact your Raleigh bicycle dealership for help.

These 300 bicycle frames are being recalled because the frame headlug may have the potential to crack during riding leading to serious injury and/or death.

Your Raleigh bicycle dealership and the United States Consumer Product Safety Commission have been notified of the situation and your full cooperation is crucial in protecting yourself and others from potential harm. Upon receipt of this notice please take the following action:

1. Take your bicycle to your Raleigh bicycle dealer to positively determine if your bicycle frame should be replaced. If your dealer determines your frame needs to be replaced it will be done free of cost unless you would like any optional labor or parts replacement done. Any costs for optional parts/labor would be your responsibility.
2. Please fill out the attached card and return it immediately to Raleigh USA.
3. Please contact your Raleigh bicycle dealer with any questions you may have. We are sorry for any inconvenience this may cause you, but hope for your full cooperation.

Sincerely,

Raleigh USA Bicycle Company,
tradename for Derby Cycle Corporation

See Reverse for Serial Number and Measurement explanation

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7035



URGENT

U.S. CONSUMER PRODUCT SAFETY COMMISSION
WASHINGTON, D.C. 20207

OFFICE OF COMPLIANCE
AND ENFORCEMENT

Division of
Corrective Actions
Tel: 301-504-0608 Ext. 1353
Fax: 301-504-0359

DATE:	December 14, 1995	PAGES TRANSMITTED: 1 + COVR
TO:	DOUG FLEMING, ESQ.	
TITLE:	ATTY FOR RALEIGH BIKES	
OFFICE:	FAX # 206-	389-1708

FROM:	James A. DeMarco, Compliance Officer, CECA, HQ
REMARKS:	PLEASE REVIEW CHANGES AS OF 12-14-95 9:30 AM AND FAX BACK TO ME OR CALL . THANKS,

NOTE: If you have any problems with this transmittal, please contact the person listed above.

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

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rprecerlscov

EXCE NEWS RELEASE RE

URGENT

DATE: December 7, 1995
SUBJECT OF RELEASE: RP950170
PROPOSED RELEASE DATE:

SECTION 15 RECALL:
For additional information contact: Jay DeMarco

BACKGROUND/SUMMARY: Firm reported in November 1995 and at that time they did some forms of public notice, which proved not so effective 21 of 300 units. They have decided to do a joint PR to further publicize the problem.

The exact text of the proposed release has been negotiated with the firm. Any changes must be conveyed to EXCE for possible renegotiation with this firm.

Products available? Yes No

Photos available? Yes No

Clearance Office	Signature	Approve	Disapprove	Date	6(b)6
Comp. Jay DeMarco Officer	<i>[Signature]</i>	x		12/13/95	
CE Dvsn. Director	<i>[Signature]</i>	x ✓		12/13/95	<i>[Initials]</i>
EXCE	<i>[Signature]</i>	✓		12/14/95	
EXHR					
EXPA					
OGC					
OEX					

OGC and OEX should each return this form and the attached release to EXPA after it has been reviewed and initialed/signed. The 6(b)6 column indicates clearance is in accordance with CPSC Directive 1450.2 concerning whether the information is

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U.S. CONSUMER PRODUCT SAFETY COMMISSION
WASHINGTON, D.C. 20207

OFFICE OF COMPLIANCE

Division of
Corrective Actions
Tel: 301-504-0608
Fax: 301-504-0359

12/14/95

Certified Mail/Telecopy/~~Overnight~~

Patrick D. McVey, Esquire
Riddell, Williams, Bullitt & Walkinshaw
1001 Fourth Avenue
Suite 4400
Seattle, WA 98154

Re: CPSC RP950170
Derby Bicycle Co./Raleigh, USA
Bicycle Headlug

Dear Mr. McVey:

The staff of the Office of Compliance, U.S. Consumer Product Safety Commission, has completed its review of the information concerning cracking of the frame headlug, due to improper heat treatment of metal on MT400 and FT500 model Technium Mountain Bicycles made in 1993, which you reported under section 15(b) of the Consumer Product Safety Act (CPSA), 15 U.S.C. § 2064(b). While the staff believes it was appropriate for you to report to the Commission, based upon the information currently available, the staff does not believe the nature and degree of the risk of injury presented by this product necessitate action by the Commission under Section 15 of the CPSA.

Should the firm receive any information that indicates that the risk of injury or hazard presented by the product is greater than or different from that indicated by the information it has already supplied the Commission, it must report that information to the Division of Corrective Actions pursuant to section 15(b) of the CPSA immediately.

The firm has previously indicated that it has voluntarily implemented a corrective action plan; which includes: a joint press release notice to all dealers, distributors and customers, and a free replacement of the frame; to address the reported problem. The staff acknowledges the actions which Derby Bicycle Co./Raleigh, USA has taken willingly and voluntarily. Such actions by firms add greatly to the level of safety of consumer products in the market.

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The Commission publishes a list of product recalls and other corrective actions initiated by firms in an Annual Report to Congress. This information is also occasionally used in lists for specific product categories. A summary of the firm's corrective action is enclosed. Because the corrective action is being taken voluntarily and in the absence of a preliminary staff determination that this product presents a substantial product hazard, the firm's agreement to include its corrective action in Commission publications is purely voluntary on the firm's part. Unless the firm notifies the staff by telephone or letter within thirty (30) days of the date of this letter, the staff will assume the information in the enclosed summary is accurate and that the firm does not object to its publication. **Please reference the CPSC file number in your response.**

If you have any questions concerning this letter, you may contact James DeMarco, Division of Corrective Actions, U.S. Consumer Product Safety Commission, 4330 East West Highway, Room 613, Washington, D.C. 20207-0001, telephone: (301) 504-0608 extension 1353. Thank you for your cooperation in this matter.

Sincerely yours,

Marc J. Schoem
Director
Division of Corrective Actions

Enclosed are

Corrective Action Summary

cc: Consumer Product Safety Commission
Western Regional Center
600 Harrison Street
Room 245
San Francisco, CA 24107-1370

Judith Hayes, CECA

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Voluntary Corrective Action Plans Under Section 15
of the Consumer Product Safety Act and
Section 15 of the Federal Hazardous Substances Act

The following is a list of voluntary corrective action plans recently accepted by the Commission (or the staff acting under authority delegated by the Commission). A firm's taking corrective action does not constitute admission by the firm that a substantial product hazard exists.

Space does not permit the staff to give a complete list of the specific model numbers of the products involved in each of these corrective actions. Consumers who believe that they have a product affected by one of these actions should follow the instructions given in this list or contact either the manufacturer or the Commission to determine if their product is one of those affected.

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FOR IMMEDIATE RELEASE
December 11, 1995
Release #96-

CONTACT: Jay DeMarco
301-504-0508 Ext. 1353

RALEIGH, USA ANNOUNCES RECALL OF 1993 16.5 INCH
MOUNTAIN TECHNIUM BIKE FRAME

WASHINGTON, D.C., - In cooperation with the U.S. Consumer Product Safety Commission (CPSC), Raleigh, USA, of Kent, WA, is recalling approximately 300 1993 16.5" Raleigh Technium MT 400 bicycle frames and 24 1993 16.5" Raleigh Technium FT 500 bicycle frames due to cracking at the headlug. All other sizes of 1993 MT 400 and FT 500 frames (15", 18.5", 20.5"), will not require replacement. The headlug is that portion of the front end of the bicycle where the top tube and down tube meet (see figure). When the headlug fractures or cracks at the headlug, during riding, a possible fall and serious injury or death could result.

Raleigh, USA is aware of two incidents where frames have cracked or broken causing injury to the rider.

The 1993 Model MT 400 16.5" Raleigh Technium bicycles are red and black in color with serial numbers on the bottom bracket. The 1993 Model FT 500 16.5" Raleigh Technium bicycles are white and black in color with serial numbers on the bottom bracket. If your serial number has #3 for the sixth digit the frame must be replaced (see figure). You can measure your frame from the center of the bottom bracket to the center of the top tube under the seat (see figure). If the measurement is 16.5", the frame must be replaced.

The 1993 16.5" Raleigh Technium MT 400 and FT 500 bicycles were sold between January and June 1993 through authorized

*MAY 1994 95
Argentina incident
replaced*

*183
see
Nov. 21*

Raleigh dealers nationwide. The bikes sold retail for between \$500 and \$700. Customers who own these bicycles should call Raleigh, USA [redacted] and ask for the Customer Service in order to have the frame replaced FREE of charge.

Proly AOL

*very to contact
Raleighbikes@aol.com*

The U.S. Consumer Product Safety Commission protects the public from the unreasonable risk of injury or death from 15,000 types of consumer products under the agency's jurisdiction. To report a dangerous product or a product-related injury and for information on CPSC's fax-on-demand service, call CPSC's hotline at (800) 638-2772 or CPSC's teletypewriter at (800) 638-8270. To order a press release through fax-on-demand, call (301) 504-0051 from the handset of your fax machine and enter the release number. Consumers can obtain this release and recall information via Internet gopher services at cpsc.gov or report product hazards to info@cpsc.gov.

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維新鋁業股份有限公司
Jei Shin Aluminium Co., Ltd.
分光分析報告表

Spectrometer Analysis Report

(Supplier Report)
No. 1581

客戶：410

品名：AA6061, ALUMINIUM EXTRUSIONS

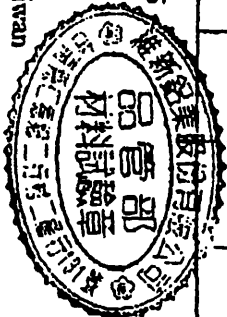
日期：80年8月2日

分析報告：

單位：%

元素成份 試片編號	Si	Fe	Mg	Cu	Mn	Zn	Ni	Cr	Ti	Sn	備註
410058	0.52	0.12	1.03	0.26	-	-	-	0.09	0.01	-	
	以下空白										

總公司：台南市新興路151號 TEL: 2662311~5
HEAD OFFICE: 151 Shin Shin Road, Tainan, Taiwan
廠址：台南縣仁德鄉二行村二層行131號
FACTORY: 131 Erh Chen Hang, Jen Te Shang, Tainan, Taiwan



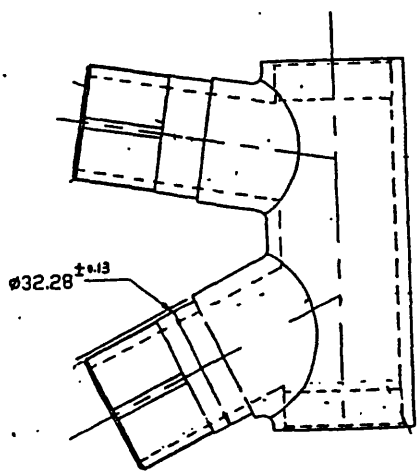
主理 李保豐	品管 李保豐	品管 李保豐
AL22	AL22	AL22

未標示成份者 0.01 %以下

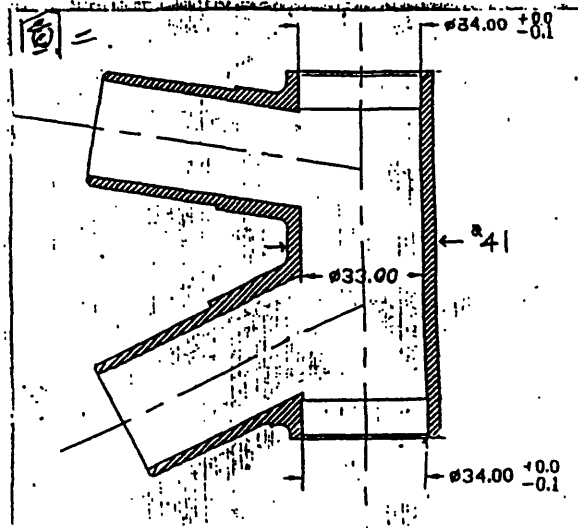
H L 接頭檢驗規範 (HEAD LUG INSPECTION SPECIFICATION)

適用規格:

圖一
製造:



圖二
加工:



分類	檢驗項目	檢驗標準	量測儀器	備註
1.	外觀 (NON CRACK NON SCRATCH) (APPEARANCE)	無裂痕、碰傷 成品表面為金黃色	目視	
2.	圖一 (HARDNESS) 硬度	HRB 45~65°	(ROCKWELL HARDNESS) 洛氏硬度計	(10 PCS / LOT) (每批 10 PCS)
3.	O.D 外徑	$\phi 32.28^{+0.13}$ 千規	檢具 H-M-92-102	(每批 20 PCS)
4. ②	圖二 I.D 內徑	$\phi 34^{+0.1}$ 卷規	檢具 H-M-92-048-02	(每批 20 PCS)
4. ③	STRENGTH 強度	兩端受力 500kg 以上	萬能試驗機	(每批 2 PCS)
			SPECIAL CHECKING GAGE	
	MATERIAL			

註: 材質 6061 分析儀器 由廠商附測試表

審核	日期 81年4月9日	實施日期 80年8月2日	簽名 李政彥



李政彥

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利奇機械工業股份有限公司

首 官 檢 驗 報 告 表

客戶: 100-21

日期: 8/3/2

製單號碼	92-0552-1	規 格	HL-001	數 量	200
	92-0552-2		HL-002		250
測試項目	檢驗標準		檢驗結果		
外 觀	無碰傷, 裂痕		表面良好		
硬 度	HRB 45~65°		55° 57° 58° 52° 54° 54° 55° 52° 59° 54°		
外 徑	φ32.28 ^{+0.13} 卡規 (Go. NoGo)		符合		
內 徑	φ34 ^{+0.1} 塞規 (Go. NoGo)		符合		
判 定	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格		確 認	曹 鳳 德 3/2	檢 驗 者 李 鳳 德 3/2

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