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

ODI RESUME

Investigation: PE 03-053
Prompted By: OWNER COMPLAINTS
Date Opened: 11/20/2003 Date Closed: 04/02/2004
Principal Investigator: LUKE LOY
Subject: FUEL LINE FITTING LEAKS

Manufacturer: TRIUMPH MOTORCYCLES (AMERICA) LTD
Products: 2000-2002 TRIUMPH SPRINT, TRIUMPH DAYTONA
Population: 18998

Problem Description: Quick disconnect fuel line fittings crack and leak fuel creating a hazardous condition.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	7	13	20
Crashes/Fires:	1	1	2
Injury Incidents:	1	0	1
# Injuries:	1	0	1
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	0	0

*Description of Other:

Action: This PE is closed. Triumph has submitted a safety defect report 04V-156.

Engineer: *Luke W. Loy* Date: *04/02/2004*
Div. Chief: *Richard Boyd* Date: *04/02/2004*
Office Dir.: *Kathleen C. DeMeter* Date: *04/02/2004*

Summary: Triumph responded to ODI's information request on February 23, 2004. In addition to the MY2000-2002 Triumph Daytona and Sprint models, Triumph identified the following additional models that were built with the same fuel line fittings: 2000-2003 TT600, 2002-2004 Speed Four, 2004 Daytona 600, 1997-2004 Daytona t595 & 955, 1997-2004 Speed Triple 855 & 955, 2000-2004 Sprint RS 955, 1999-2004 Sprint ST 955, and 1999-2004 Tiger 855 & 955. The majority of these motorcycles will be included in the recall. A modified connector was introduced late in calendar year 2003, which does not appear to exhibit the defect. Motorcycles built after the modification will not be recalled.

Triumph identified 13 United States and 6 UK complaints. One us complaint appeared to be related to a possible crash where leaking fuel caused a loss of traction. After ODI's review of Triumph's documents, followed by a discussion of relevant facts with triumph, they made the decision to conduct the recall. The recalled vehicles will have the plastic fuel connectors replaced with a similarly designed aluminum connector. This investigation is closed.

Jan faxed on 4/1/04

Safety Defect and Noncompliance Report Guide for Vehicles

PART 573 Defect and Noncompliance Report[1]

On 22nd March, 2004, Triumph Motorcycles Ltd decided that (a defect which relates to motor vehicle safety)(a non compliance with Federal Motor Vehicle Safety Standard No.) exits in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Date this report was prepared: 24th March 04

Furnish the manufacturer's identification code for this recall (if applicable): not applicable

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

Triumph Motorcycles (America) Ltd,

385 Walt Sanders Memorial Drive

Suite 100

Newnan, Georgia GA 30265

United States of America

Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.

Mr. Dan Harmon, National Operations Manager, Triumph Motorcycles (America) Ltd

Telephone Number: 001 678 854 2010 **Fax No.:** 001 678 854 2025

Name and Title of Person who prepared this report.

Mr. Charles H Smart, Head of Warranty Dept, Triumph Motorcycles Ltd

Signed:

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[1]Each manufacturer must furnish a report, to the Associate Administrator for Safety Assurance, for each defect or noncompliance condition which relates to motor vehicle safety.

This guide was developed from 49 CFR Part 573, "Defect and Noncompliance Reports" and also outlines information currently requested. Any questions, please consult the complete Part 573 or contact Mr. Jon White at (202) 366-5227 or by FAX at (202) 366-7882.

1. Identify the Vehicle Models Involved in the Recall

2. Identify the Vehicles Involved in the Recall, *for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide*:

Make(s): Triumph. **Model Years Involved:** 2000 – 2003. **Model(s):** TT600

Production Dates: Beginning: 9th Dec 1999. **Ending:** 7th Feb 2003

VIN Range: Beginning: 098680 **Ending:** 172940

Vehicle Type: Motorcycle **Bodystyle:** Sports

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
Not applicable – all units produced from start of production affected.

Make(s): Triumph. **Model Years Involved:** 2002 – 2004. **Model(s):** Speed Four

Production Dates: Beginning: 17th Oct 2001. **Ending:** 2nd Sep 2003

VIN Range: Beginning: 147435 **Ending:** 189078

Vehicle Type: Motorcycle. **Bodystyle:** Sports

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
'T' moulded into male dry break connector on motorcycles not affected by this recall.

Make(s): Triumph. **Model Years Involved:** 2004 **Model(s):** Daytona 600

Production Dates: Beginning: 17th Jan 2003 **Ending:** 24th July 2003

VIN Range: Beginning: 170604 **Ending:** 188686

Vehicle Type: Motorcycle. **Bodystyle:** Sports

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
'T' moulded into male dry break connector on motorcycles not affected by this recall.

Make(s): Triumph. **Model Years Involved:** 1997 - 2004 **Model(s):** Daytona T595 & 955

Production Dates: Beginning: 30th June 1996 **Ending:** 18th September 2003

VIN Range: Beginning: 046269 **Ending:** 186355

Vehicle Type: Motorcycle. **Bodystyle:** Sports

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
'T' moulded into male dry break connector on motorcycles not affected by this recall.

Make(s): Triumph. **Model Years Involved:** 1997 - 2004 **Model(s):** Speed Triple 885 & 955
Production Dates: Beginning: 1st July 1997 **Ending:** 24th June 2003

VIN Range: Beginning: 046269 **Ending:** 186130

Vehicle Type: Motorcycle. **Bodystyle:** Sports

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
'T' moulded into male dry break connector on motorcycles not affected by this recall.

Make(s): Triumph. **Model Years Involved:** 1999 - 2004 **Model(s):** Sprint ST

Production Dates: Beginning: 20th August 1998 **Ending:** 26th August 2003

VIN Range: Beginning: 073019 **Ending:** 188870

Vehicle Type: Motorcycle. **Bodystyle:** Touring

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
'T' moulded into male dry break connector on motorcycles not affected by this recall.

Make(s): Triumph. **Model Years Involved:** 2000 - 2004 **Model(s):** Sprint RS

Production Dates: Beginning: 4th November 1999 **Ending:** 24th June 2003

VIN Range: Beginning: 091628 **Ending:** 186130

Vehicle Type: Motorcycle. **Bodystyle:** Touring

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
'T' moulded into male dry break connector on motorcycles not affected by this recall.

Make(s): Triumph. **Model Years Involved:** 1999 - 2004 **Model(s):** Tiger 885 & 955

Production Dates: Beginning: 22nd September 1998 **Ending:** 26th August 2003

VIN Range: Beginning: 074450 **Ending:** 188877

Vehicle Type: Motorcycle. **Bodystyle:** Sports Enduro

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
'T' moulded into male dry break connector on motorcycles not affected by this recall.

Identify the approximate percentage of the production of all the recalled models manufactured by your company between the inclusive dates of manufacture provided above, that the recalled model population represents. For example, if the recall involved Widgets equipped with certain items of equipment from January 1, 1996 through April 1, 1997, then what was the percentage of the recalled Widgets of all Widgets manufactured during that time period.

Affected models equate to approximately 55% of total motorcycle production.

II. Identify the Recall Population

3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.

Model		Year	Number of Vehicles Potentially Involved
TT600	(LA)	2000 – 2003	2298
Speed Four	(LB)	2002 - 2004	695
Daytona 600	(LW)	2004	891
Daytona T595 & 955	(NB, NS, SP)	1997 – 2004	5051
Speed Triple 855 & 955	(NC, SS, SV)	1997 – 2004	3241
Sprint RS 955	(NR, SU)	2000 - 2004	1843
Sprint ST 955	(NT, ST)	1999 – 2004	3548
Tiger 855 & 955	(NE, SQ)	1999 - 2004	1431

Total Number Potentially Affected by the Recall: 18998

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: 5%

Identify and describe how the recall population was determined--in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

The recall population has been determined from the start of production for each affected model up to the introduction in production of a revised dry break male connector marked with a pre-moulded 'T'.

III. Describe the Defect or Noncompliance

5. Describe the defect or noncompliance. The description should address the nature and physical location of the defect or noncompliance. Illustrations should be provided as appropriate.
The male fuel connector linking each of the feed and return fuel hoses to the fuel pump mounting plate, fixed to the underside or right hand side of the fuel tank, may be found to contain a fracture following in-service handling.

Describe the cause(s) of the defect or noncompliance condition.
The defect is believed to be caused by poor handling of the part.

Describe the consequence(s) of the defect or noncompliance condition.
Fuel may escape from the fractured body of the connector onto the engine or side of the bike.

Identify any warning which can (a) precede or (b) occur.
A strong smell of fuel will occur. Dampness around the base of the fuel tank will be evident.

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.
Colder Products Company,

1001 Westgate Drive,

St. Paul,

Minnesota 55114

USA

Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:
Mr. Jim Thomas, President,

IV. Provide the Chronology in Determining the Defect/Noncompliance

If the recall is for a defect, complete item 6, otherwise item 7.

6. With respect to a defect, furnish a chronological summary (including dates) of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.

Date	Event
Jan 03	Poll of UK dealers suggest fractures occur as a result of poor handling
Jan – Aug 03	Triumph Motorcycles Ltd monitor performance of affected parts via warranty and field feedback.
June – Sept 03	Revised fuel connector incorporating increased 0.5mm radii to quick release clip groove introduced in production.
Nov 03	Revised fuel connector incorporating increased 0.5mm radii to quick release clip groove and clip made available as separate spares item.
21st Nov 03	Prelim Evaluation Request received from NHTSA
22nd Jan 04	Triumph Motorcycles Ltd submit interim Prelim Evaluation to NHTSA
24th Feb 04	Triumph Motorcycles Ltd submit Prelim Evaluation to NHTSA
22nd March 04	Decision taken to recall affected bikes

Please refer to page TR10000000554 of Preliminary Evaluation submitted by Triumph Motorcycles Ltd on 24th Feb 04*. However, we are aware of no accidents, injuries or fatalities connected to this issue.
*Subject to Confidentiality Request.

7. With respect to a noncompliance, identify and provide the test results or other data (in chronological order and including dates) on which the noncompliance was determined.

Please refer to pages TR1000000 1071 to TR1000000 1141 Of Prelim Eval submitted by Triumph Motorcycles Ltd 24th Feb 04*

*Subject to Confidentiality Request.

V. Identify the Remedy

8. Furnish a description of the manufacturer's remedy for the defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.

Triumphs remedy is to offer to replace the original connector as supplied as original equipment with the motorcycle, for a more robust part.

The original male dry-break connector fitted at the time of production is made from Standard Dupont Delrin 500 and includes a radii of 0.1mm in the quick release clip groove.

The proposed recall condition part will be a modified male connector including a radii of 0.5mm in the quick release clip groove, will not include a dry-break mechanism and will be supplied in aluminium.

Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.

The remedy component:

- will be a modified male connector including a radii of 0.5mm in the quick release clip groove, will not include a dry-break mechanism and will be supplied in aluminium.

The recalled component:

- is made from Standard Dupont Delrin 500 and includes a radii of 0.1mm in the quick release clip groove.

Identify and describe how and when the recall condition was corrected in production. If the production remedy was identical to the recall remedy in the field, so state. If the product was discontinued, so state.

A modified Standard Dupont Delrin 500 dry-break connector incorporating a 0.5mm radii in the quick release clip groove and further identified with a pre-moulded 'T' in the head of the part was introduced into production as follows:

- TT600 model discontinued prior to introduction of above part.
- Speed Four introduction of above described modified part 2nd September 2003.
- Daytona 600 introduction of above described modified part 24th July 2003.
- Daytona T595 & 955 introduction of above described modified part 18th September 2003.
- Speed Triple 885 & 955 introduction of above described modified part 24th June 2003.
- Sprint ST introduction of above described modified part 26th August 2003.
- Sprint RS introduction of above described modified part 24th June 2003.
- Tiger 885 & 955 introduction of above described modified part 26th August 2003.

The production remedy is not the same as the recall remedy.

The recall remedy will be a modified male connector including a radii of 0.5mm in the quick release clip groove, will not include a dry-break mechanism and will be supplied in aluminium.

VI. Identify the Recall Schedule

Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify any foreseeable problems with implementing the recall.

26th March 2003 – submit Part 573 Defect & Noncompliance Report to NHTSA.

April – TML advise foreign recall agencies, prepare dealer & customer correspondence, ship parts and launch recall.

VII. Furnish Recall Communications

9. Furnish a final copy of all notices, bulletins, and other communications that relate directly to the defect or noncompliance and which are sent to more than one manufacturer, distributor, or purchaser. This includes all communications (including both original and follow-up) concerning this recall from the time your company determines the defect or noncompliance condition on, not just the initial notification. ***A DRAFT copy of the notification documents should be submitted to this office by Fax (202-366-7882) for review prior to mailing.***

To follow.

Note that these documents are to be submitted separately from those provided in accordance with Part 573.8 requirements.