

Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Responsibility and Reports¹

On October 13, 2005, Adtec Teoranta, Gibbstown, Navan, Co. Meath, Ireland issued a recall notice for the item of motor vehicle equipment listed below, and its customer, Ferrara Fire Apparatus, Inc., 27855 James Chapel Road, Holden, LA 70744 is hereby furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

06V-143
(6 pages)

Date this report was prepared: February 03, 2006

Furnish the manufacturer's identification code for this recall (if applicable):
Unknown

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.

NMB-Minebea U.K. Ltd
Doddington Road,
Lincoln,
Lincolnshire,
LN6 3RA
United Kingdom

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

Mr. Mark Stansfield,
Managing Director.

Telephone Number: +44 (1522) 500933

Fax No.: +44 (1522) 500975

Name and Title of Person who prepared this report.

Mr. John Wallace
Director of Chassis Engineering
Ferrara Fire Apparatus, Inc.
Telephone Number: (225) 567-7100

Fax No.: (225) 567-7685

I. 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:

INVESTIGATION
OFFICE OF DEFECTS

2006 APR 28 A 7:29

RECEIVED

Make(s): Ferrara Fire Apparatus, Inc. **Model Years Involved:** 2003 - 2005

Model(s): Inferno & Igniter

VIN Range: see section II for complete list

Vehicle Type: Firetruck **Bodystyle:** Custom

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

All of our chassis with Independent Front Suspensions were involved in the 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. Approx 6%

II. Identify the Recall Population

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

Vehicles	Year	Number of
Model		Potentially Involved

Here is a complete list of Vehicle Identification Numbers for the Ferrara Fire Apparatus, Inc. vehicles that contained the recalled Kingpins.

1	F	9	5	0	5	3	2	X	3	H	1	4	0	1	5	9
1	F	9	4	5	4	4	2	1	4	H	1	4	0	1	9	9
1	F	9	4	5	4	4	2	4	4	H	1	4	0	2	0	0
1	F	9	3	5	4	4	2	2	4	H	1	4	0	2	0	7
1	F	9	3	5	4	4	2	4	4	H	1	4	0	2	0	8
1	F	9	4	0	4	7	2	4	4	H	1	4	0	2	1	0
1	F	9	3	5	4	4	2	X	4	H	1	4	0	2	3	1
1	F	9	3	5	4	4	2	1	4	H	1	4	0	2	3	2
1	F	9	5	1	8	0	3	1	4	H	1	4	0	2	5	6
1	F	9	3	5	4	4	2	3	5	H	1	4	0	3	1	5
1	F	9	3	5	4	4	2	5	5	H	1	4	0	3	1	6
1	F	9	5	1	5	6	2	8	5	H	1	4	0	3	3	4

Total Number Potentially Affected by the Recall: Twelve Vehicles

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: 100% of the twelve vehicles

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:

All of our chassis with Independent Front Suspension were involved in the Recall

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 kingpin ballpin assembly has fractured at the start of the M35 thread at the top of the ballpin. This occurred on one vehicle in test and, on seven occasions, on parts fitted to chassis in-built with an **OFF-ROAD** vehicle manufacturer. None of the occasions took place with a manufacturer of on-highway vehicles, but in an abundance of caution the recall took place for all vehicles fitted with these kingpin ballpin assemblies.

Describe the cause(s) of the defect or noncompliance condition: The precise cause of the fractures is still under review by the manufacturer.

Describe the consequence(s) of the defect or noncompliance condition. If the defect was to occur, it could result in the associated wheel disengaging from part of the suspension with potential consequential injury to vehicle occupants, property damage and/or damage to the vehicle.

Identify any warning which can (a) precede or (b) occur: Without specific testing, there is no immediate warning of an impending failure.

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

NMB-Minebea U.K. Ltd
Doddington Road,
Lincoln,
Lincolnshire,
LN6 3RA
United Kingdom

Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:

Mr. Mark Stansfield, Managing Director.

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.

Ferrara Fire Apparatus, Inc. did not experience any failures with the Kingpins being recalled.

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.

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.

The kingpin manufacturer has provided a retrofit kingpin assembly utilising a different material in the ballpin (which is less susceptible to hydrogen embrittlement and stress corrosion cracking effects) and with shotpeening completed on the ballpin neck to increase the part's fatigue life to make it suitable for the application with the material used.

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

The remedy component is identified by the description "TRHM428DT with TRBJQIN428DT-5 Inner".

The remedy component is identified by the serial number engraved on the top of the ballpin. Remedy components are identified with one of the serial numbers shown in the attached Excel file "NMB Kingpin Recall – Remedy Component Serial Numbers – 26 Jan. '06".

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. The TRHM428DT kingpin assembly was discontinued. The production remedy is identical to the recall remedy in the field.

VI. Identify the Recall Schedule

10. 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.

The recall has been completed on ALL twelve vehicles.

VII. Furnish Recall Communications

11. 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.*

Please find attached:

1) A 13 October 2005 letter from Adtec to Ferrara Fire Apparatus, Inc. notifying us of the recall.

**NMB MINEBEA TRHM428DT KINGPIN ASSEMBLY RECALL:
REMEDY COMPONENT KINGPIN SERIAL NUMBER LISTING:**

D595, D622,D623,D590, D627,D589,D606
D604,D305,D617,D360,D631,D335,D626,D591,D620,D634,D598,D404.D599,D344,D612, D345,D378,D594,D638,D354,D586,D605,D639,D603
D576,D489,D482,D517,D481,D415,D580,D567,D483,D635,D533,D416,D490,D423,D582,D536,D468,D 519,D585,D548,D420,D537,D496,D525,D432,D438,D414,D449,D499,D554,D575,D440,D434,D527,D5 49,D439,D574,D442
D417,D418,D425,D426,D427,D428,D431,D441,D448,D450,D454,D464,D472,D473,D478,D480,D488,D 493,D495,D498,D513,D528,D518,D529,D535,D541,D543,D545,D573,D578,D273,D281,D289,D290,D2 91,D299,D316,D322,D323,D337,D338,D356,D364,D373,D375,D392,D393,D433,D595,D608,D614,D61 8,D621,D625,D628,D630,D632,D636
D419,D446,D462,D447,D465,D467,D474,D479,D477,D482,D497,D504,D505,D526,D531,D556
D185,D196,D227,D237,D254,D257,D283,D359,D399,D588,D593,D601,D602,D607,D613,D619,D629,D 633
D175,D188,D191,D194,D198,D203,D205,D216,D229,D235,D239,D240,D242,D247,D248,D265,D267,D 275,D587,D600,D609,D611,D624,D637
D546,D471,D485,D424,D453,D421,D460,D487,D451,D461,D444,D476,D430,D463,D475,D452,D437,D 429,D413,D455,D508,D509,D494,D507,D484,D457,D456,D443,D459,D422
D200,D213,D225,D256,D277,D279,D280,D283,D285,D297,D303,D311,D313,D315,D327,D328,D339,D 341,D346,D344,D353,D355,D357,D358,D362,D368,D376,D377,D380,D381,D384,D390,D395,D397,D4 00,D401,D402,D405,D407,D445,D466,D501
D491,D500,D502,D503,D510,D511,D512,D514,D515,D516,D521,D522, D524,D530,D534,D539,D542,D544,D546,D547,D551,D552,D557,D558, D559,D561,D562,D563,D564,D565
D566,D568,D569,D581,D572,D579,D581,D583,D584
D204,D221,D212,D352,D374,D307,D294,D293,D171,D220,D226,D173, D182,D181,D217,D258,D206,D268,D276,D232,D170,D320,D406,D319, D386,D383,D385,D317
D284,D224,D176,D199,D304,D259,D387,D223,D308,D183,D230,D343, D261,D219,D306,D243,D365,D207,D282,D263,D333,D228,D177,D209, D210,D336,D193,D249
D657,D660,D665,D692,D702,D693,D679,D666
D785,D410,D408,D409,D411,D412,D102,D109,D122,D123,D129,D131,D403,D570,D538,D580,D555,D 274,D641,D658,D617,D683,D656,D713,D192,D234,D295,D298
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D654,D662,D642,D640,D650,D673,D680,D687,D704,D711
D645,D643,D647,D678,D641,D644
D777,D780,D781,D796,D808,D825,D874,D853,D864,D880,D905,D903, D912,D919,D923,D894
D388,D458,D550,D553,D560,D682,D688,D689,D695,D697,D698,D699,D783,D706,D701,D708,D709,D 710,D712,D700,D681,D703,D685,D696,D672,D668,D651,D652,D675,D674,D663,D661,D662,D705,D6 71,D670,D707,D272,D301,D309
D920,D760,D860,D806,D884,D898,D770,D823,D836,D888,D832,D878,D802,D843,D863,D891,D916,D 816,D805,D822,D766,D826,D835,D810D857,D873,D821,D881,D779,D834,D885,D756,D858,D829,D86 9,D900,D890,D833,D782,D918,D889,D925,D877,D907,D754,D893,D775,D842, D799,D826,D872,D841,D803,D852,D881,D865
D809,D801,D755,D791,D861,D774,D839,D807,D784,D887,D800,D870,D571,D856,D819,D831,D763,D 817,D812,D815,D876,D854,D795,D778,D910,D904
D767,D915,D830,D851,D849,D924,D789,D850,D762,D773,D764,D866,D769,D838,D761,D922,D754,D 757,D771,D913,D882,D765
D653,D659,D664,D681,D648,D694, D792,D811,D787,D768
D332,D340
D645/D669
D342,D686,D814,D794,D804,D786,D846,D906