

**PART 573 Defect and Non-Compliance Report
TRW Model 20-EDL Tie Rod End Sockets (11-12-01)**

02E-017.003 (1/5)

On 22 July 2002, Chance Coach, Inc. decided that a defect which relates to motor vehicle safety exists in items of motor vehicle equipment listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573, Defects and Non-Compliance Reports.

This report was prepared on 16 August 2002.

Manufacturer's Identificaiton Code for this Recall: TRW Campaign No. POR-FC-00-02
ArvinMeritor NHTSA assigned recall #00E-047.010

ArvinMeritor File: C2AG
NHTSA File: 02E-017.102

Chance Coach NHTSA No. 02E-017.003

1. Fabricating Manufacturer/Brand Name/Trademark Owner of the Recalled Item of Equipment

ArvinMeritor
7975 Dixie Highway
Florence, KY 41042-2754
Peggy Carrol
Customer Service

TRW Commercial Steering Division
902 Lyons Road
Portland, MI 48875-1097
Brian Shivley
Quality Manager TRW Portland Plant

The person preparing this report is:
Lonnie Skinkis
Publications Manager
P.O. Box 19140
Wichita, Ks 67204-9140

Signed: _____

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INVESTIGATION

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2. Identification of Equipment Involved in this Recall

TRW Recall POR-FC-00-02

Generic Name: Tie Rod Ends and Tie Rod Assemblies

Make: TRW

Model: 20-EDL

Part Number(s):

Tie Rod Ends:

A 3144D524	1091562	R230018	R230069	R230060 B75
A 3144E525	1091563	R230029	R230087	R230061 B75
A 3144F526	3948867	R230060	R230088	R230068 B75
A 3144Y441	3948868	R230061	R230089	R230069 B75
A 3144J192	3948870	R230068	R230090	
A 3144K193				

Tie Rod Assemblies:

A2 3102G3465	A2 3102P3500	A2 3102W3455	A2 3102V3454	A2 3102L4380
A2 3102M4225	A2 3102P4254	A2 3102X3456	A2 3102Z3458	

Date Codes in this Recall:

9F2, 9F3, 9F4
9K1, 9K2, 9K3, 9K4
0E3, 0E4, 0E5
0F1

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02E-017.003 (3/5)

ArvinMeritor File: C2AG, **NHTSA File:** 02E-017.102
Generic Name: Tie Rod Ends and Tie Rod Assemblies
Make: TRW
Model: 20-EDL
Part Number(s):

Tie Rod Ends & Tie Rod Assembly

A 1 3102E3437	A 2 3102M4225	A 2 3102V3454	R230018	R230036	R230090
A 1 3102H1932	A 2 3102P3474	A 2 3102X3456	R230019	R230068	R230420
A 1 3102R1916	A 2 3102P3500	A 2 3102Z3458	R230028	R230069	R230421
A 1 3102T3972	A 2 3102Q4229	A 2 3144Q1005	R230029	R230086	R230422
A 2 3102G3465	A 2 3102S4257	A 3 3102Z3484	R230030	R230087	R250001
A 2 3102L4380	A 2 3102U3453	A 3 144P562	R230031	R230088	R250051
					R250112

Axle Assembly Part Numbers that contain suspect Tie Rod Ends

FD 965LX 14	FF 961NX 125	FF 961NX 340	FF 981 LX 6
FF 966NX 1	FF 961NX 270	FG 941NX 663	

Date Codes in this Recall:

9L1, 9L2, 9L3, 9L4, 9L5
9M1, 9M2, 9M3, 9M4
0A1, 0A2, 0A3, 0A4, 0A5
0B1, 0B2, 0B3, 0B4
0C1, 0C2, 0C3, 0C4
0D1, 0D2, 0D3, 0D4
0E1, 0E2
0F2, 0F3, 0F4
0G1, 0G2, 0G3, 0G4

Function: Steering linkage component allowing variable geometry.

Description of Equipment in Recall: TRW 20-EDL Tie Rod End

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OIE-02003 (4/5)

Approximate Percentage of the Production of all the Recalled Models: Not Applicable

3. Total Number of Items of Equipment Recalled Potentially Containing the Defect: 109

Total Number Potentially Affected by the Recall: 109

4. Approximate Percentage of the Total Number of Items of Equipment Estimated to Actually Contain the Defect: 100%

Determination of Recall Population: Number of parts ordered and received from ArvinMeritor and sent to customers.

5. Defect Description: Tie rod end ball separation from socket

Cause of Defect: Premature wear

Consequences of Defect: Loss of steering upon separation

Warning Which Can Occur: None

Supplier of Defective Component: ArvinMeritor and TRW

Name and Title of Representative of Supplier: Brian Shivley, Quality Manager TRW Portland Pit
Marlene Vorhees, Director, Quality Arvin Meritor

6. Chronological Summary (Defect)

5 Sept, 2000 - Notified by TRW Commercial Steering Systems of TRW 20-EDL Model Ball-sockets Manufactured and sold from 5 July, 1999 thru 3 Oct, 1999. NHTSA Campaign ID Number 00E-047.

12 Nov, 2001 - Notified by ArvinMeritor of potentially defective TRW 20-EDL ball-socket assemblies manufactured and sold to ArvinMeritor from 14 June 1999 thru 1 July 1999, 4 Oct 1999 thru 31 Oct 1999 and 15 May 2000 thru 9 June 2000.

28 June, 2002 - Notified by ArvinMeritor of potentially defective TRW 20-EDL ball-socket assemblies manufactured and sold to ArvinMeritor from 31 October 1999 through 12 May 2000; and 12 June 2000 through 8 August 2000.

7. Test Reports/Data that Non-Compliance was determined (Component): Not Applicable

8. Manufacturer's Remedy for the Defect - Replacement of potentially defective parts.

Distinguishing Characteristics of the Remedy Component/Assembly Versus the Recalled Component/Assembly: See date codes of potentially defective parts above.

How and When the Recall Condition was Corrected in Production - Not Applicable

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- 9. Recall Schedule** - All Chance Coach customers will be notified of the ArvinMeritor and TRW recalls and required to inspect their tie-rod end/tie rod assembly inventory for suspect parts. Parts shall be returned per the TRW and ArvinMeritor recalls.