



MOTOR COACH
INDUSTRIES

November 7, 2008

Patricia Wallace
NHTSA / Enforcement / ODI NVS-215
1200 New Jersey Ave, SE W46-425
Washington, DC
20590

Ms. Wallace,

Please find enclosed copies of documentation for MCI's ZF Software Update Campaign
Due To Cell Phone and Radio Interference for your review and information.

We await your response.

Thank you,

Paul Murphy

Paul Murphy
Director, Regulatory Compliance
Motor Coach Industries Ltd.
1475 Clarence Ave.,
Winnipeg, MB
R3T 1T5

Encl.

cc: T. Nalepka, Motor Coach Industries

RECEIVED
2008 NOVEMBER 21 - 10:00 AM
OFFICE OF RECALL
MANAGEMENT DIVISION



MOTOR COACH
INDUSTRIES

November 7, 2008

BY EMAIL AND
BY OVERNIGHT DELIVERY

National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, DC 20590
Attention: Ms. Patricia Wallace

RE: ZF FRIEDRICHSHAFEN AG, (“ZF”) SOFTWARE UPDATE CAMPAIGN
DUE TO CELL PHONE AND RADIO INTERFERENCE - ZF NHTSA 06E100

Dear Ms. Wallace:

I have enclosed Motor Coach Industries, Inc.’s (“MCI”) Part 573 Notice, draft customer letter, and MCI Service Bulletin No. 308.

Please confirm receipt of these documents and advise if NHTSA has any comments or recommendations. If not, please advise NHTSA’s campaign number assigned to MCI’s Part 573 Notice at your earliest convenience.

Thanks for your assistance with this matter.

Sincerely,
MOTOR COACH INDUSTRIES, INC.

smk for Bob Zeaton

By: Robert Zeaton
Vice President – Product Safety Engineering
(256) 343-1828

Enclosures

c: Tim Nalepka
Paul Murphy
(both by email, w/ encls.)

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

Motor Coach Industries, Inc. ("MCI") has been notified by ZF Friedrichshafen AG, ("ZF") that a defect which relates to motor vehicle safety compliance exists 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. ZF was subsequently issued a recall number by the NHTSA – 06E-100.

Date this report was prepared: November 7, 2008

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

MCI Service Bulletin 308 (attached)

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.

Motor Coach Industries, Inc.
1700 E. Golf Road
Suite 300
Schaumburg, IL 60173

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

Paul Murphy
Director, Regulatory Compliance
Office: 204-287-4982 Fax: 502-318-8224

Name and Title of Person who prepared this report.

Robert Zeaton
Vice President - Product Safety Engineering
(256)343-1828

Signed: *mb for Bob Zeaton*

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:

Make(s): MCI

Model Years and Models Involved:

Certain 2002 – 2008 D model coaches between the range of, and including, unit numbers 54360 to 58713

Certain 2001 - 2008 E and J4500 model coaches between the range of, and including, unit numbers 61564 to 64987

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.

100 % of the coach unit range identified in the attached MCI Service Bulletin 308, if the coach is equipped with a ZF transmission.

II. Identify the Recall Population

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

Models and Model Years Potentially Involved: 1893 coaches

100 % of the coach unit ranges identified in the attached MCI Service Bulletin 308 are affected, if the coach is equipped with a ZF transmission.

4. Furnish the approximate percentage of the total number of items of equipment estimated to actually contain the defect or noncompliance:

100 % of the coach unit ranges identified in the attached MCI Service Bulletin 308 are affected, if the coach is equipped with a ZF transmission.

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 items of equipment:

The recall population was established from information provided by ZF relating to its manufacturing dates, and from MCI engineering and production records relating to the design and implementation of the affected ZF design into MCI coach models.

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.

ZF has reported to MCI that there is a potential for the ZF ASTRONIC shift selector to malfunction as the result of cellular phone, PDA, radio interference, improper radio antenna or power supplies being within the ZF recommended 20 inches/50 cm minimum distance from the touch pad shift selector. When this happens, the ZF shift selector may move into reverse without driver knowledge.

As the shift selector controls the shifting function electronically, the shift selector design cannot shield against all transient digital and analog signals if the device is within the ZF recommended 20 inches/50 cm minimum distance from the touch pad shift selector.

Please refer to the attached ZF Service Information Bulletin No. 08_19 and AS Tronic manual - 1337.758101

Describe the consequence(s) of the defect or noncompliance condition.

In the case where the ZF ASTRONIC shift selector is affected by the interference mentioned above and the device is triggered/activated, it can cause the ZF shifter to move into reverse without driver knowledge.

Please refer to the attached ZF Service Information Bulletin No. 08_19 and AS Tronic manual - 1337.758101

Identify any warning which can (a) precede or (b) occur.

There is no identifiable warning leading up to the event. If the device is within the ZF recommended 20 inches/50 cm minimum distance from the touch pad shift selector and is triggered/activated, it can cause the shifter to move into the reverse gear without driver knowledge.

Please refer to the attached ZF Service Information Bulletin No. 08_19 and AS Tronic manual - 1337.758101

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

ZF Friedrichshafen AG,
Alfred-Colsman-Platz 1
88038 Friedrichshafen, Germany

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

Contact person:
Quality Manager - Service Division
Stefan Lier, QB
Tel: +49-7541-77-2 776
Mobile: +49-177-7845706
Fax: +49-7541-77-90-2 776

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.

Please see the attached notifications from ZF. MCI had been waiting for completion of the various software updates to allow proper correction of the defect. As of the date of this notice, MCI is still awaiting one outstanding software update from ZF.

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.

N/A

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.

ZF has created a software update that protects against the potential for transient analog or digital signal interference that can cause the shift selector to move into the reverse gear without driver knowledge.

The following actions are proposed for field correction of this issue:

Corrective Action for unit numbers 54360 to 56558 and 61564 to 63068:

MCI strongly encourages owners of (1) D model coaches equipped with a ZF transmission between the range of, and including, unit numbers 54360 to 56558, and (2) E / J model coaches equipped with a ZF transmission between the range of, and including, unit numbers 61564 to 63068, to contact their MCI Product Support Specialists (PSS) or their local MCI Service Center at the earliest opportunity to schedule an appointment to have the neutral safety switch removed, if required.

Upon removal of the neutral safety switch, MCI will download the new ZF software program and apply a decal beside the touch pad shift selector warning that cellular phones, PDAs, radios capable of transmitting, antennas or power supplies must be kept a minimum of 20 inches/50 cm away from the touch pad shift selector. (AS Tronic manual - 1337.758101)

To ensure successful downloading of the new ZF software program, the neutral safety switch must first be removed.

(N.B. – The neutral safety removal is unrelated to the defect. It is required to allow the software upgrade to work correctly. The function of the neutral safety switch is now controlled by the ZF software)

Corrective Action for unit numbers 56559 to 58713 and 63069 to 64987:

MCI strongly encourages owners of (1) D model coaches equipped with a ZF transmission between the range of, and including, 56559 to 58713 and (2) E / J model coaches equipped with a ZF transmission between the range of, and including, unit numbers 63069 to 64987 to contact their local authorized ZF Service Facility or MCI Service Center to download the new ZF software program and have a decal applied beside the touch pad shift selector warning that cellular phones, PDAs, radios capable of transmitting, antennas or power supplies must be kept a minimum of 20 inches/50 cm away from the touch pad shift selector. (AS Tronic manual - 1337.758101)

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

Please refer to the attached ZF Service Information Bulletin No. 08_19 and AS Tronic manual - 1337.758101

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.

Production coaches utilizing ZF transmissions effective with unit number 64999 on E/J model coaches and unit number 58736 on D model coaches are being produced with the updated software.

VI. Identify the Recall Schedule

9. 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 is currently underway.

VII. Furnish Recall Communications

10. 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.*

MCI's draft customer letter and Service Bulletin 308 are attached for review and approval.

ZF Service Information Bulletin No. 08_19 and AS Tronic manual - 1337.758101 are also attached.

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

«date»

«Customer»

«attention»

«address»

«c», «s» «zip»

**SUBJECT: ZF FRIEDRICHSHAFEN AG, (“ZF”) SOFTWARE UPDATE
CAMPAIGN DUE TO CELL PHONE AND RADIO INTERFERENCE**

Ref.: ZF NHTSA 06E100
MCI NHTSA #
TRANSPORT CANADA #
MCI Service Bulletin 308

Attention Owner:

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act and with the Canadian Motor Vehicle Safety Act - Notice of Safety Defects.

Motor Coach Industries, Inc. (“MCI”) has been informed by ZF Friedrichshafen AG, (“ZF”) that a defect which relates to motor vehicle safety exists in certain 2002 – 2008 D4005 and D4505, and certain 2001 - 2008 E4500 and J4500 model coaches equipped with the ZF ASTRONIC transmissions.

ZF has reported to MCI that there is a potential for the ZF ASTRONIC shift selector to malfunction as the result of cellular phone, PDA, radio interference, improper radio antenna or power supplies being within the ZF recommended 20 inches/50 cm minimum distance from the touch pad shift selector. When this happens, the ZF shift selector may move into reverse without driver knowledge.

As the shift selector controls the shifting function electronically, the shift selector design can not shield against all transient digital and analog signals if the device is within the ZF recommended 20 inches/50 cm minimum distance from the touch pad shift selector. Therefore, ZF has created a software update that protects against the potential for transient analog or digital signal interference.

To avoid these types of interference, ZF and MCI strongly recommend that cellular phones, PDAs, radios capable of transmitting, antennas or power supplies all be kept a minimum of 20 inches/50 cm away from the touch pad shift selector. (AS Tronic manual - 1337.758101)

In addition, MCI requests customers participate in the attached Field Change Program on identified MCI coaches and follow the prescribed remedies in the attached MCI Bulletin 308.

MCI records indicate that you are the owner or operator of the following unit(s) included in this recall:

«unit_number»

If you have any questions about this recall campaign, you may contact the MCI Customer Service Line at 1-800-241-2947.

After contacting MCI Customer Service, if you are still unable to have the safety defect remedied without charge and within a reasonable time, you may submit a complaint:

For the U.S.:

The Administrator
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE.,
Washington, DC 20590;

or call the toll-free Vehicle Safety Hotline at 1-888-327-4236; (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

For the Canada:

Road Safety and Motor Vehicle
Regulation Directorate
Transport Canada
Tower C, Place de Ville
330 Sparks Street
Ottawa, Ontario
K1A 0N5

or call the Transport Canada's Information Centre at 1-800-333-0371.

If you are the lessor of this vehicle, Federal law requires that you forward this notice to the lessee within ten days of your receipt of this notice.

If you have sold or otherwise transferred the vehicle(s) identified above, please contact MCI Customer Service Line at 1-800-241-2947 with all of the information you have regarding the current owner/operator of the vehicle(s), so that we can ensure that the vehicles are corrected.

If you had this repair performed before you received this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall.

Motor Coach Industries apologizes for any inconvenience this may cause.

Sincerely,

Motor Coach Industries
Warranty Department



Service Bulletin No. 308

MODEL D / E / J Series Coaches	TYPE Field Change Program	SECTION/GROUP 13 – Transmission	DATE
SUBJECT ZF SOFTWARE UPDATE CAMPAIGN FOR CELL PHONE & RADIO INTERFERENCE			
CONDITIONS			

DRAFT

Ref. ZF NHTSA Recall No.: 06E-100
 Ref. NHTSA MCI Recall No.: 08-TBA
 Ref. Transport Canada MCI Recall No.: 08-TBA

Description:

ZF Friedrichshafen AG ("ZF") has reported to Motor Coach Industries ("MCI") that there is a potential for the ZF ASTRONIC shift selector to malfunction as the result of cellular phone, PDA, radio interference, improper radio antenna or power supply installation. When this happens, the ZF shift selector may move into reverse without driver knowledge. ZF has created a software update that protects against the potential for transient analog or digital signal interference that can cause the transmission shift selector to move into the reverse gear without driver knowledge.

Refer to attached ZF Service Information Bulletin No. 08_19 for additional details.

Corrective Action for unit numbers 54360 to 56558 and 61564 to 63068:

MCI strongly encourages owners of (1) D model coaches equipped with a ZF transmission between the range of, and including, unit numbers 54360 to 56558, and (2) E / J model coaches equipped with a ZF transmission between the range of, and including, unit numbers 61564 to 63068, to contact their MCI Product Support Specialists (PSS) or their local MCI Service Center at the earliest opportunity to schedule an appointment to have the neutral safety switch removed, if required. Upon removal of the neutral safety switch, MCI will download the new ZF software program and apply a decal beside the touch pad shift selector warning that cellular phones, PDAs, radios capable of transmitting, antennas or power supplies must be kept a minimum of 20 inches/50 cm away from the touch pad shift selector. (AS Tronic manual – 1337.758101)

To ensure successful downloading of the new ZF software program, the neutral safety switch must first be removed. (N.B. – The neutral safety removal is unrelated to the defect. It is required to allow the software upgrade to work correctly. The function of the neutral safety switch is now controlled by the ZF software.)

Corrective Action for unit numbers 56559 to 58713 and 63069 to 64987:

MCI strongly encourages owners of (1) D model coaches equipped with a ZF transmission between the range of, and including, 56559 to 58713 and (2) E / J model coaches equipped with a ZF transmission between the range of, and including, unit numbers 63069 to 64987 contact their local authorized ZF Service Facility or MCI Service Center to download the new ZF software program and have a decal applied beside the touch pad shift selector warning that cellular phones, PDAs, radios capable of transmitting, antennas or power supplies must be kept a minimum of 20 inches/50 cm away from the touch pad shift selector. (AS Tronic manual – 1337.758101)

Parts

Qty.	New P/N	Description
1	07-08-2789	Decal, No Cell Phone

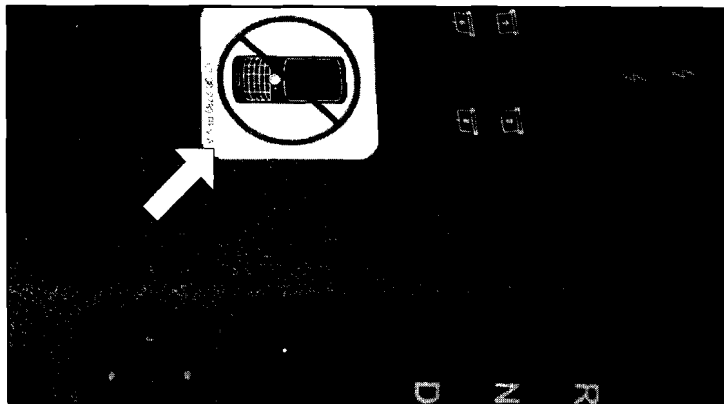


Figure 1. NO cellular phone decal.

Authorized ZF Service Facilities to perform MCI FCP Service Bulletin 308

ZF Dealer	Street	City	St./Pr.	Phone
Harbor Diesel & Equipment, Inc.	537 West Anaheim Street	Long Beach	CA	(562) 591-5665
Cummins Rocky Mountain, LLC.	8211 East 96th Avenue	Henderson	CO	(303) 927-2220
Precision Transmission, Inc.	4821 Waycross Road	Ft. Myers	FL	(239) 693-7477
Republic Diesel	865 Nandino Boulevard	Lexington	KY	(859)255-2356
Frontier Truck Parts	2019 Chicago Drive	Wyoming	MI	(616) 241-2110
Foley Inc.	833 Centennial Avenue	Piscataway	NJ	(732) 865-8254
Cleveland Brothers Equipment Co., Inc.	100 Smith Drive	Cranberry	PA	(724) 776-1400
Precision Transmission, Inc.	159 Discovery Drive	Colmar	PA	(215) 822-8300
Camerota Truck	166 Universal Drive	North Haven	CT	(203) 782-0360
Camerota Truck	565 Route 3A	Bow	NH	(603) 228-9343
Camerota Truck	35 Washington Street	Westborough	MA	(508) 366-2079
Cummins Southern Plains, Ltd	7045 N. Loop East	Houston	TX	(713) 679-2220
Cummins Southern Plains, Ltd.	2615 Big Town Blvd.	Mesquite	TX	(214) 321-5555
Cummins Southern Plains, Ltd.	6226 Pan Am Expressway N.	San Antonio	TX	(210) 655-5420
Bowers Driveline	22221 70th Avenue South	Kent	WA	(253) 872-7800
ZF Sales & Service	777 Hickory Hill Drive	Vernon Hills	IL	(847) 478-6868
ZF Sales & Service	777 Hickory Hill Drive	Vernon Hills	IL	(847) 478-6868
The Gear Centre, Ltd.	7170 Blackfoot Trail S.E.	Calgary	AB	(403) 252-3880
The Gear Centre, Ltd	14605 -116 Avenue	Edmonton	AB	(780) 452-6933
Tarten Equipment, Ltd.	6199 Shawson Drive	Mississauga	ON	(905) 670-1704

Authorized MCI Fleet Support Service Centers to perform MCI FCP Service Bulletin 308

MCI FLEET SUPPORT SERVICE CENTERS

Illinois

10 E. Golf Road
Des Plaines, IL 60016
800-743-3624

Ohio/ Major Repair Center
219 West Campbell Street
Loudonville, OH 44842
877-754-4404

New Jersey
14 Harmon Drive
Blackwood, NJ 08012
800-262-1287

New Jersey
1599 Albany Avenue
Atlantic City, NJ 08401
800-263-1041

Texas
9787 Clifford Drive
Dallas, TX 75220
800-248-4942

Tennessee

215 Maddox Simpson Pkwy
Lebanon, TN 37090
800-927-5041

Florida
3718 LB McLeod Road
Orlando, FL 32805
800-390-0287

California
10850 Portal Drive
Los Alamitos, CA 90720
800-777-4101

CANADA
1400 Barre Street
Montreal, QC H3C 1N4
800-663-3328



STANDING BESIDE YOU. ALL THE WAY.

Procedure complete.

Any questions concerning FCP 308 should be directed to the MCI Fleet Support Technical Center at 1-800-241-2947 or your local MCI Product Support Specialists (PSS)

Field Change Program Conditions:

The only part required for this change is the 07-08-2789 Decal.

Labor will be provided by ZF or MCI at no charge, as specialized programming equipment is required to perform this campaign.

Motor Coach apologizes for any inconvenience resulting from this campaign, but urges you to implement this change as soon as possible.

Sincerely,

Motor Coach Industries
U.S. and Canadian Service Departments.



SERVICE INFORMATION

No. 08_19

Date: 2008-07-01

Page 1 of 3

ASTRONIC
Product: Transmission Auxiliary Unit

1337,1348
Model

Software
Assembly group

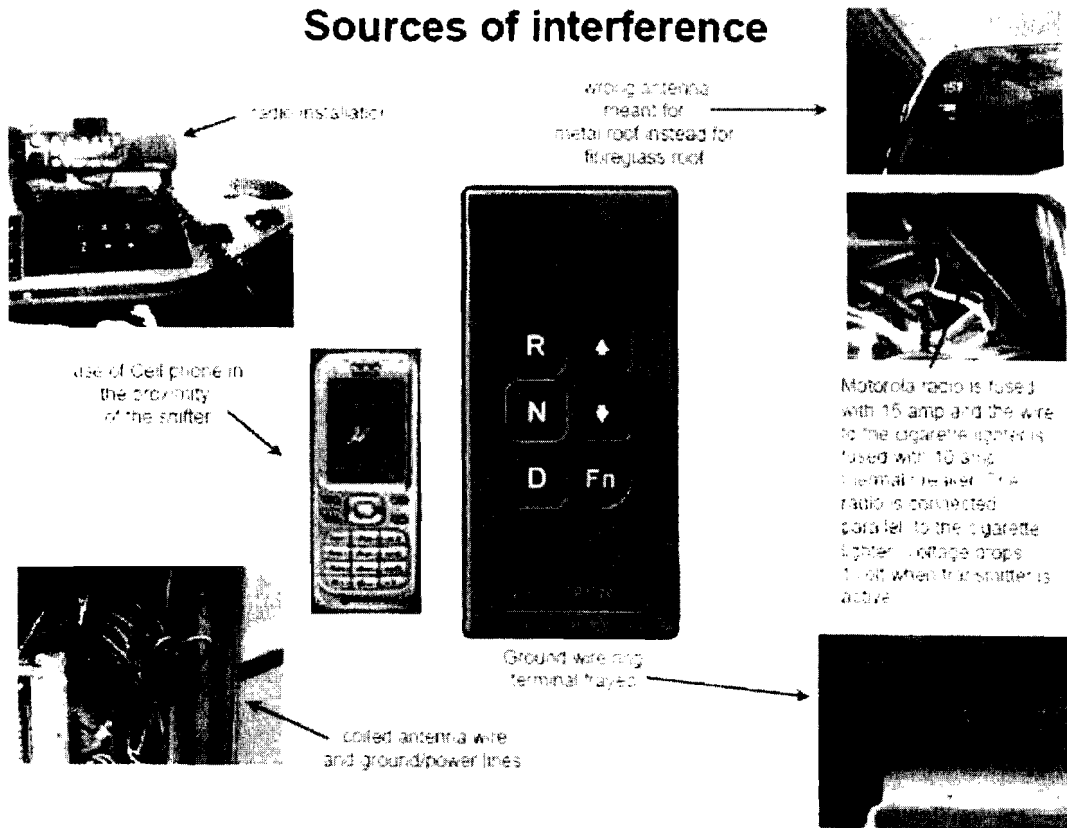
All
ZF Services

MCI
OEM/Customer

Software Update campaign because of cell phone and radio interference (NHTSA no.06E100)

It has been identified that there is a potential for the ASTRONIC shift selector to malfunction as a result of cell phone or radio interference, improper radio, antenna and power supply installation beyond the automotive requirements. For this malfunction to occur, a GSM network cell phone or a Blackberry (PDA) must be placed on or in the proximity of the touch pad of the Arens shifter.

Sources of interference



Author: W. Ammann

A. Schenk

Approved: i.V. Schenk

Checked: i.V. Leibinger

Dept. LKS-T ☎ ++49 7541 - 77 55 52 Fax ++49 7541 - 77 90 55 52 Email wolfgang.ammann@zf.com

Customer Service / After Sales Technical Service for Truck and Bus Driveline Technology
Delivery Address: ZF Friedrichshafen AG, Zeppelin-Werftgelände 70, 88045 Friedrichshafen, Germany

© ZF Friedrichshafen AG

e



Engine – Transmission – Software Overview:

Current Spec. List *)	NEW Spec. List *)	Current Software number	NEW Software number	Engine
1337 030 005	1348 035 007	6009 374 517	6009 374 771	CAT C-13
	1348 035 002		6009 397 127	CAT C-13
1337 030 004	1348 035 008	6009 374 268	6009 374 789	CAT C-12
1337 030 001	1348 035 006	6009 374 503	6009 374 770	DDV S60
1337 030 001	1348 035 006	6009 374 248	6009 374 770	DDV S60
1337 030 001	1348 035 006	6009 374 583	6009 374 770	DDV S60
	1348 035 003		6009 397 126	DDECVI and Cummins

*) no exchange of the type plate required, spec. lists are electronically replaced in the ZF data system)

Damage coding:

Damaged part		Damage *)		
Designation	Item number	Location	Type	Cause
Software	6008 298 029	000	536 (re-work)	083 (preventive modification)

*) = acc. catalog "Damage coding" no. 1200 754 101b (English)

Necessary action: Reprogramming of the ASTRONIC Software, update on all MCI coaches in the field prior to ZF transmission serial no.: **515993**

- Software modification:**
- a) Default to N for false D or R request - to avoid the potential for unintentional change in vehicle direction
 - b) 10 speed to 12 speed (for pre 2007 emission engines) - to improve vehicle start availability
 - c) Upgrade existing 12 speed (for 2007 emission engines)
 - d) Engine over-speed protection in manual mode - to prevent engine damage
 - e) Avoid possibility to be stuck in 7th gear due to "gear butting"

Additional information: Neutral switch campaign → **MCI**
- a rework of the MUX program and rewiring of the coach may be necessary to accept the new transmission software → **MCI**
(before reprogramming get in touch with MCI)



Exchange of approx. 20 upper parts of the GS3 → ZF S&S

- due to software compatibility issues
- old TCU no. (on the WABCO type plate): 6009 274 054
(needs to be replaced by 6009 098 001)
- new TCU no. (on the WABCO type plate): 6009 274 069/080
(no change required)

Exchange of approx. 300 shifters → ZF S&S

- due to software compatibility issues because of 2 and 3 digit error code identification → ZF S&S
- bus production date: 2001 - 2004 (old shifter) 0501 212 979
(needs to be replaced by 0501 214 599)
- bus production date: 2004 - present (new shifter) 0501 214 599
(no change required)

Installation of a warning sticker onto the dashboard area

- to avoid any malfunction due to the use of electronic equipment (ZF part no : 1348 753 101)

Volume of busses:	Approx. 2500
Country:	North America
Start of campaign:	July 2008
End of campaign:	open
Responsibility:	MCI in cooperation with the ZF S&S network
Reporting:	MCI will support with coach and fleet location overview, this overview must be exchanged once a month to report to the NHTSA

Validity: This Service Information is valid from 2008-07-25 for an unlimited period

AS Tronic Operating Manual (for end customers) 1337.758.101

New chapter.

Installation instructions and use of senders/transmitters (mobile phones, transceivers, etc.)

With regard to electromagnetic compatibility (EMC), we would like to draw your attention to the risks of functional disruptions of electronic systems which may be caused by improper installation and/or improper handling of senders (mobile phones, transceivers, etc.).

Regarding the transmission system, the installation instructions and instructions for use of the affected senders/transmitters and transmitting antennae must be complied with, especially near the ZF-AS Tronic speed range selector

Recommendations for the use of senders (mobile phones, transceivers, ...)

- Keep at least 50cm distance to the ZF-AS Tronic speed range selector

Also refer to chapter "Electromagnetic Compatibility (EMC)" in the ZF Technical Manual 1348.765.020 and TCI 6006.739.003