



GILLIG CORPORATION

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HAYWARD, CALIFORNIA
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TELEPHONE 510/785-1500
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October 11, 2005

Mr. Kenneth Weinstein
Associate Administration for Safety Assurance
National Highway Traffic Safety Administration
400 Seventh Street SW
Washington DC 20590

05V-478
(9 pages)

Subject: Gillig Recall of Certain Cummins Engine Equipped Buses

Dear Mr. Weinstein:

In accordance with the procedures outlined in 40CFR 573.6, Gillig is submitting the attached Safety Defect Information Report. Gillig was notified by Cummins Inc. of a safety recall they have declared on the ECM (Engine Control Module) on certain ISB-02 engines provided to Gillig and used in the manufacture of transit and shuttle buses.

Gillig has provided Cummins with the VIN's corresponding to the engine serial numbers they provided. Cummins is conducting the recall. Cummins reports the NHTSA assigned number is 05E-054. The recall will effect 34 Gillig buses.

Sincerely,

GILLIG CORPORATION

Charles E. Koske
Senior Vice President, Engineering

CEK/vo
Attachment

cc: R. Birdwell

RECEIVED
NVS-215
2005 OCT 12 P 4: 26
OFFICE OF
DEFECTS INVESTIGATION

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): Gillig **Model Years Involved:** 2004-2005 **Model(s):** low floor transit buses

Production Dates: not significant **Ending:** not significant

VIN Range: not significant – uses of specific Cummins serial number engines identifies recall population

Vehicle Type: Bus **Bodystyle:** low floor buses

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

Use of specific serial number engines as provided by Cummins Inc.

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.

Approximately 2% of Gillig buses built during the time period had the effected engine.

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
Low Floor	2004	15
Low Floor	2005	19

Total Number Potentially Affected by the Recall: **34**

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

Gillig has no knowledge – 100% are being repaired.

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:

See Cummins 573 report – 100% will be recalled and repaired.

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.

See the Cummins 573 report. Cummins reports a defect in the ECM that causes damage to the fuel lift pump.

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

See the Cummins 573 report.

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

Per the Cummins 573 report the engine could stall..

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

See the Cummins 573 report.

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

The engine is supplied to Gillig by Cummins Inc

Cummins Inc.
500 Jackson Street
Columbus, Indiana 47201

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

Mr. Steven R. Butler Engine Certification 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.

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.

See attached Cummins 573 report . Gillig knows of no reports, accidents, injuries, or fatalities on their buses related to this defect.

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.

Cummins will conduct a safety recall campaign. See attached Cummins' 573 report for details of the planned recalibration of the ECM and replacement of the lift pump..

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

The Cummins' 573 report was not clear on distinguishing characteristics of the repair.

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 Cummins 573 report didn't make reference specifically to production.

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.

Gillig has already supplied Cummins the Vehicle serial numbers and contact information to enable them to conduct the 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.*

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



Cummins Inc.

Box 3005
Columbus, Indiana 47202-3005
U.S.A.

August 29, 2005

Associate Administrator for Enforcement
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Sir or Madam:

The following information is submitted in accordance with the National Highway Traffic Safety Administration's reporting regulations, 49 CFR Part 573.6.

Cummins Inc. (Cummins, or, the Company) has decided that there is a potential safety-related defect with respect to an engine control system component on Cummins ISB-02 diesel engines manufactured by Cummins and (a) installed as original equipment on those motor vehicles identified below; and (b) sold as original equipment service (OES) parts and engines only for the specific motor vehicle applications involved in this recall action

1. Product identification and customer channels.

This defect involves production of the Cummins ISB-02 diesel engine for covered vehicles, as follows:

Model	Year	Total Units
ISB-02 (School Bus Applications)	2004-2005	2,390
ISB-02 (Emergency Vehicle Applications)	2004-2005	3
ISB-02 (Transit Bus Applications)	2004-2005	409
ISB-02 (Original Equipment Service)	2004-2005	<u>58</u>
Total Recall Population		2860

All ISB-02 engines in each of the respective original and original equipment service populations are covered by this recall. All original equipment service ISB-02 engines and associated components sold for the subject motor vehicle applications are included in the above-referenced Total Recall Population, so as to avoid double counting. A listing of the respective, subject populations, by vehicle manufacturer, will be provided to the agency in the near future.

- 2. Generic name of the item:** Electronic Control Module Calibration
- Engine Make:** Cummins
- Model:** ISB-02
- Part Number:** N/A
- Function:** Provides engine operating parameters.

3. Component supplier:

The subject Electronic Control Module (ECM) calibration was developed by Cummins Inc.

4. Estimated extent of defect population.

Cummins estimates that approximately 1.9% of the subject population of engines could result in an engine stall condition. Cummins will pursue a 100% recall on all subject school bus, transit bus and emergency vehicle applications.

Cummins notes that the Company has voluntarily decided to conduct this recall, despite the low failure rate of the subject vehicles. This is attributable to their unique, safety-sensitive applications, especially school buses, which comprise most of the population to be campaigned.

5. Description of defect.

The subject ECM calibration controls the fuel lift pump operation. The defect results in erratic voltage supply to the fuel lift pump which causes premature electrical brush wear internal to the fuel lift pump. This premature wear could result in fuel lift pump failure and in some cases may cause an engine stall condition. There is no defect in the fuel lift pump itself.

6. Chronology of events.

The defective ECM software was released into production on January 1, 2004. In the April/May 2005 timeframe Cummins received isolated reports of engine performance issues potentially associated with the defect. In response to these reports, a field service and engineering review was conducted which has led to a management decision to conduct this safety campaign on August 23, 2005

To date, Cummins is not aware of any incidents (injuries, fatalities, or accidents/crashes) which were a result of this defect. Based on the warranty claim data for the subject population, it is estimated that approximately 1.9% of the engines could experience a stall resulting from the defective ECM calibration.

7. Remedy program.

The remedy, without charge to owners, will include the ECM recalibration and replacement of the fuel lift pump.

8. Part 577 notice letter.

The customer notice letter is in the process of being prepared and will be submitted in draft to the agency as soon as possible.

9. Conduct of recall campaign.

Subject to concurrence of its OEM customers, Cummins will be conducting the respective recalls with the customers of each OEM.

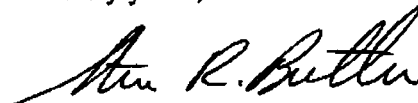
10. Customer/owner notifications.

Notifications are expected to begin in October 2005, once (a) Cummins is in receipt of the OEM recall authorizations and customer lists and (b) the parts procurement process has been completed. Cummins assures NHTSA that it will make a good faith effort to shorten this time period.

* * *

Please advise the undersigned of the recall campaign number assigned by the Office of Defects Investigation to this recall. Cummins campaign code for this recall will be C0539.

Sincerely yours,



Steven R. Butler
Engine Certification Director

Phone: 812-377-3713

Fax: 812-377-8739

Email: steven.r.butler@cummins.com

EXP. DSN	Print Date	Exp. Model	Client	FN	Customer Name	Address 1	Address 2	City	State	Postal Code	Initial Label Sent to Customer
57169449	3/12/2004	ISB-260H	GILLIG CORPORATION	spare	Norwalk Transit	Phil Walker	12735 Civic Center Drive	Norwalk	CA	90650	FALSE
57196840	5/10/2004	ISB-260H	GILLIG CORPORATION	73094	Stockton - SMART	Bob Kuhn	1533 E Lindsay St	Stockton	CA	95205	FALSE
57196841	5/10/2004	ISB-260H	GILLIG CORPORATION	73093	Stockton - SMART	Bob Kuhn	1533 E Lindsay St	Stockton	CA	95205	FALSE
57222420	6/29/2004	ISB-260H	GILLIG CORPORATION	73348	Wilmington - DART	Steve Overturf	900 Public Safety Boulevard	Dover	DE	19901	FALSE
57222421	6/29/2004	ISB-260H	GILLIG CORPORATION	73349	Wilmington - DART	Steve Overturf	900 Public Safety Boulevard	Dover	DE	19901	FALSE
57224343	7/2/2004	ISB-260H	GILLIG CORPORATION	74404	Louisville - TARC	Jim Barrett	1000 West Broadway	Louisville	KY	40203	FALSE
57224344	7/2/2004	ISB-260H	GILLIG CORPORATION	74405	Louisville - TARC	Jim Barrett	1000 West Broadway	Louisville	KY	40203	FALSE
57224345	7/2/2004	ISB-260H	GILLIG CORPORATION	74406	Louisville - TARC	Jim Barrett	1000 West Broadway	Louisville	KY	40203	FALSE
57224346	7/2/2004	ISB-260H	GILLIG CORPORATION	74407	Louisville - TARC	Jim Barrett	1000 West Broadway	Louisville	KY	40203	FALSE
57257882	9/8/2004	ISB-260H	GILLIG CORPORATION	72890	Indianapolis - Indy-Go	Morris Frye	1501 W Washington Street	Indianapolis	IN	46222	FALSE
57257883	9/8/2004	ISB-260H	GILLIG CORPORATION	72889	Indianapolis - Indy-Go	Morris Frye	1501 W Washington Street	Indianapolis	IN	46222	FALSE
57276693	10/18/2004	ISB-260H	GILLIG CORPORATION	72338	Tampa - Hartline	Ed Bart	4305 E 21st Avenue	Tampa	FL	33605	FALSE
57276694	10/18/2004	ISB-260H	GILLIG CORPORATION	72339	Tampa - Hartline	Ed Bart	4305 E 21st Avenue	Tampa	FL	33605	FALSE
57280512	10/26/2004	ISB-260H	GILLIG CORPORATION	72337	Tampa - Hartline	Ed Bart	4305 E 21st Avenue	Tampa	FL	33605	FALSE
57302343	12/8/2004	ISB-260H	GILLIG CORPORATION	75057	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57323529	2/2/2005	ISB-260H	GILLIG CORPORATION	74723	Pittsburgh - Port Authority of Allegheny County	John Koenig	2235 Beaver Avenue	Pittsburgh	PA	15233	FALSE
57335496	2/24/2005	ISB-260H	GILLIG CORPORATION	75059	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57335497	2/24/2005	ISB-260H	GILLIG CORPORATION	75060	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57335498	2/24/2005	ISB-260H	GILLIG CORPORATION	75058	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57338673	3/3/2005	ISB-260H	GILLIG CORPORATION	75061	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57338674	3/3/2005	ISB-260H	GILLIG CORPORATION	75064	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57338675	3/3/2005	ISB-260H	GILLIG CORPORATION	75066	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57338676	3/3/2005	ISB-260H	GILLIG CORPORATION	75068	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57338677	3/3/2005	ISB-260H	GILLIG CORPORATION	75067	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57338678	3/3/2005	ISB-260H	GILLIG CORPORATION	75062	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57338679	3/3/2005	ISB-260H	GILLIG CORPORATION	75065	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57338680	3/3/2005	ISB-260H	GILLIG CORPORATION	75063	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57345776	3/18/2005	ISB-260H	GILLIG CORPORATION	75070	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57345777	3/18/2005	ISB-260H	GILLIG CORPORATION	75069	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57345778	3/18/2005	ISB-260H	GILLIG CORPORATION	75072	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57345779	3/18/2005	ISB-260H	GILLIG CORPORATION	75074	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57345780	3/18/2005	ISB-260H	GILLIG CORPORATION	75073	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57345781	3/18/2005	ISB-260H	GILLIG CORPORATION	75071	Yosemite - DNC Yosemite Valley	Dan Anthonijsz	9001 Village Way - Village Garage	Yosemite Valley	CA	95389	FALSE
57345782	3/18/2005	ISB-260H	GILLIG CORPORATION	73099	Shreveport Transit Mgmt	Joe Watson	1115 Jack Wells Boulevard	Shreveport	LA	71107	FALSE