

SV-026
(12 Pages)

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

On JUL 21, 2004 , Detroit Diesel Corporation decided that a safety related defect 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.

Date this report was prepared: January 19, 2005

Furnish the manufacturer's identification code for this recall (if applicable): NHTSA recall #
04E052000 , Bulletin DDC Recall 04C-2.pdf

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.

ORION BUS INDUSTRIES

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

Joe Labonte

Compliance and Safety Officer

Telephone Number: (905) 403-7807 Fax No.: (905) 403-8808

Name and Title of Person who prepared this report.

Joe Labonte

Compliance and Safety Officer

Signed: _____

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): Orion Model Years Involved: 1998 – 1999, 1998 Model(s): V, VI

Production Dates: Beginning: July 1998 Ending: December 1999

VIN Range: Only the following vehicles are affected, having VIN: see attached

Detroit Diesel Recall 04.xls which was provided to Detroit Diesel Corporation.

Vehicle Type: Bus Bodystyle: V, VI

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

Vehicle model Orion V, and VI

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 buses having the identified engine installed.

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
V	1998-1999	39
VI	1998	5

Total Number Potentially Affected by the Recall: 44

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: Unknown. See equipment manufacturer's Part 573 report related to NHTSA recall #04E052

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 buses manufactured having a supplier EIN number.

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 equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

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

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

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

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

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

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

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

Detroit Diesel corporation
13400 Outer Drive West
Detroit, Michigan 48239

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

Glenn W. Lysinger
Chief Quality Officer

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.

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

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.

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

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

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

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.

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

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.

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin.

Orion is not administrating a recall or completion reports for a recall. Detroit Diesel Corporation is administrating all matters regarding this 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.*

See equipment manufacturer's Part 573 report related to NHTSA recall #04E052 and attached bulletin. Orion is not administrating a recall or completion reports for a recall. Detroit Diesel Corporation is administrating all matters regarding this recall.



Attention Owner:

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

Detroit Diesel Corporation (DDC) has decided that a defect which relates to motor vehicle safety exists in the exhaust systems in certain Series 50 engines in transit buses.

The turbocharger can fail, allowing lubricating oil to enter the exhaust system. This can result in a fire in the engine compartment.

Records available to us indicate that your vehicle is equipped with one of these affected engines. DDC will repair your engine at no charge to you to install an exhaust temperature sensor to prevent the possibility of an exhaust or engine compartment fire. At the same time, the ECM will need to be reprogrammed to initiate activation of the sensor. We estimate that it will take approximately 2.5 hours to repair your engine. Please contact your authorized Detroit Diesel Distributor to arrange a service date.

If you have any questions about this recall campaign, you may call 313-592-3708. If you believe that DDC has failed or is unable to remedy the defect without charge within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C. 20590 or call the toll-free Auto Safety Hotline at 1-888-327-4236.

If you had this installation done 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. For more information, contact Warranty Administration at Detroit Diesel Corporation, 13400 Outer Drive West, Detroit, MI 48239 or call (313) 592-5791.

We are sorry to cause you this inconvenience; however, we have taken this action in the interest of your continued satisfaction with our products.

**DETROIT DIESEL CORPORATION
CAMPAIGN BULLETIN 04C-2
SERVICE ADMINISTRATION CAMPAIGN COORDINATOR (BX-5)**



Safety Recall 04C-2**Series 50 Exhaust Temperature Sensor**

Serial Number	Sizes	Customer Name	Build Year
04R0023066	150	ORION BUS INDUSTRIES	1998
04R0023067	150	ORION BUS INDUSTRIES	1998
04R0023068	150	ORION BUS INDUSTRIES	1998
04R0023069	150	ORION BUS INDUSTRIES	1998
04R0023070	150	ORION BUS INDUSTRIES	1998
04R0023071	150	ORION BUS INDUSTRIES	1998
04R0023087	150	ORION BUS INDUSTRIES	1998
04R0023128	150	ORION BUS INDUSTRIES	1998
04R0023129	150	ORION BUS INDUSTRIES	1998
04R0023130	150	ORION BUS INDUSTRIES	1998
04R0023176	150	ORION BUS INDUSTRIES	1998
04R0023318	150	ORION BUS INDUSTRIES	1998
04R0023320	150	ORION BUS INDUSTRIES	1998
04R0023584	150	ORION BUS INDUSTRIES	1998
04R0023585	150	ORION BUS INDUSTRIES	1998
04R0023586	150	ORION BUS INDUSTRIES	1998
04R0023587	150	ORION BUS INDUSTRIES	1998
04R0023588	150	ORION BUS INDUSTRIES	1998
04R0023589	150	ORION BUS INDUSTRIES	1998
04R0023602	150	ORION BUS INDUSTRIES	1998
04R0023764	150	ORION BUS INDUSTRIES	1998
04R0023765	150	ORION BUS INDUSTRIES	1998
04R0023767	150	ORION BUS INDUSTRIES	1998
04R0023768	150	ORION BUS INDUSTRIES	1998
04R0023769	150	ORION BUS INDUSTRIES	1998
04R0023770	150	ORION BUS INDUSTRIES	1998
04R0023772	150	ORION BUS INDUSTRIES	1998
04R0024162	150	ORION BUS INDUSTRIES	1998
04R0024533	150	ORION BUS INDUSTRIES	1998
04R0025131	150	ORION BUS INDUSTRIES	1998
04R0025132	150	ORION BUS INDUSTRIES	1998
04R0025134	150	ORION BUS INDUSTRIES	1998
04R0025135	150	ORION BUS INDUSTRIES	1998
04R0025298	150	ORION BUS INDUSTRIES	1998
04R0025300	150	ORION BUS INDUSTRIES	1998
04R0025302	150	ORION BUS INDUSTRIES	1998
04R0025304	150	ORION BUS INDUSTRIES	1998
04R0025306	150	ORION BUS INDUSTRIES	1998
04R0025308	150	ORION BUS INDUSTRIES	1998
04R0025426	150	ORION BUS INDUSTRIES	1998
04R0025458	150	ORION BUS INDUSTRIES	1998
04R0025460	150	ORION BUS INDUSTRIES	1998
04R0025462	150	ORION BUS INDUSTRIES	1998
04R0025464	150	ORION BUS INDUSTRIES	1998

Serial Number	Series	Customer Name	Build Year
04R0025466	150	ORION BUS INDUSTRIES	1998
04R0025516	150	ORION BUS INDUSTRIES	1998
04R0025524	150	ORION BUS INDUSTRIES	1998
04R0025526	150	ORION BUS INDUSTRIES	1998
04R0025527	150	ORION BUS INDUSTRIES	1998
04R0025532	150	ORION BUS INDUSTRIES	1998
04R0025533	150	ORION BUS INDUSTRIES	1998
04R0025534	150	ORION BUS INDUSTRIES	1998
04R0025535	150	ORION BUS INDUSTRIES	1998
04R0025536	150	ORION BUS INDUSTRIES	1998
04R0025537	150	ORION BUS INDUSTRIES	1998
04R0025558	150	ORION BUS INDUSTRIES	1998
04R0025559	150	ORION BUS INDUSTRIES	1998
04R0025589	150	ORION BUS INDUSTRIES	1998
04R0025686	150	ORION BUS INDUSTRIES	1998
04R0025687	150	ORION BUS INDUSTRIES	1998
04R0025688	150	ORION BUS INDUSTRIES	1998
04R0025689	150	ORION BUS INDUSTRIES	1998
04R0025691	150	ORION BUS INDUSTRIES	1998
04R0025692	150	ORION BUS INDUSTRIES	1998
04R0026020	150	ORION BUS INDUSTRIES	1998
04R0026098	150	ORION BUS INDUSTRIES	1998
04R0026105	150	ORION BUS INDUSTRIES	1998
04R0026106	150	ORION BUS INDUSTRIES	1998
04R0026107	150	ORION BUS INDUSTRIES	1998
04R0026108	150	ORION BUS INDUSTRIES	1998
04R0026109	150	ORION BUS INDUSTRIES	1998
04R0026110	150	ORION BUS INDUSTRIES	1998
04R0026111	150	ORION BUS INDUSTRIES	1998
04R0026112	150	ORION BUS INDUSTRIES	1998
04R0026113	150	ORION BUS INDUSTRIES	1998
04R0026157	150	ORION BUS INDUSTRIES	1998
04R0026159	150	ORION BUS INDUSTRIES	1998
04R0026161	150	ORION BUS INDUSTRIES	1998
04R0026162	150	ORION BUS INDUSTRIES	1998
04R0026163	150	ORION BUS INDUSTRIES	1998
04R0026164	150	ORION BUS INDUSTRIES	1998
04R0026166	150	ORION BUS INDUSTRIES	1998
04R0026167	150	ORION BUS INDUSTRIES	1998
04R0026168	150	ORION BUS INDUSTRIES	1998
04R0026171	150	ORION BUS INDUSTRIES	1998
04R0026172	150	ORION BUS INDUSTRIES	1998
04R0026173	150	ORION BUS INDUSTRIES	1998
04R0026189	150	ORION BUS INDUSTRIES	1998
04R0026190	150	ORION BUS INDUSTRIES	1998
04R0026194	150	ORION BUS INDUSTRIES	1998
04R0026195	150	ORION BUS INDUSTRIES	1998
04R0026196	150	ORION BUS INDUSTRIES	1998
04R0026197	150	ORION BUS INDUSTRIES	1998

Serial Number	Series	Equipment Name	Build Year
04R0026198	150	ORION BUS INDUSTRIES	1998
04R0026199	150	ORION BUS INDUSTRIES	1998
04R0026200	150	ORION BUS INDUSTRIES	1998
04R0026202	150	ORION BUS INDUSTRIES	1998
04R0026203	150	ORION BUS INDUSTRIES	1998
04R0026204	150	ORION BUS INDUSTRIES	1998
04R0026205	150	ORION BUS INDUSTRIES	1998
04R0026208	150	ORION BUS INDUSTRIES	1998
04R0026209	150	ORION BUS INDUSTRIES	1998
04R0026374	150	ORION BUS INDUSTRIES	1998
04R0026435	150	ORION BUS INDUSTRIES	1998
04R0026492	150	ORION BUS INDUSTRIES	1998
04R0026494	150	ORION BUS INDUSTRIES	1998
04R0026495	150	ORION BUS INDUSTRIES	1998
04R0026497	150	ORION BUS INDUSTRIES	1998
04R0026498	150	ORION BUS INDUSTRIES	1998
04R0026500	150	ORION BUS INDUSTRIES	1998
04R0026501	150	ORION BUS INDUSTRIES	1998
04R0026503	150	ORION BUS INDUSTRIES	1998
04R0026504	150	ORION BUS INDUSTRIES	1998
04R0026652	150	ORION BUS INDUSTRIES	1998
04R0026678	150	ORION BUS INDUSTRIES	1998
04R0026679	150	ORION BUS INDUSTRIES	1998
04R0026882	150	ORION BUS INDUSTRIES	1999
04R0026884	150	ORION BUS INDUSTRIES	1999
04R0026885	150	ORION BUS INDUSTRIES	1999
04R0026887	150	ORION BUS INDUSTRIES	1999
04R0026888	150	ORION BUS INDUSTRIES	1999
04R0026890	150	ORION BUS INDUSTRIES	1999
04R0026891	150	ORION BUS INDUSTRIES	1999
04R0026925	150	ORION BUS INDUSTRIES	1999
04R0026927	150	ORION BUS INDUSTRIES	1999
04R0026928	150	ORION BUS INDUSTRIES	1999
04R0026929	150	ORION BUS INDUSTRIES	1999
04R0026930	150	ORION BUS INDUSTRIES	1999
04R0026932	150	ORION BUS INDUSTRIES	1999
04R0026952	150	ORION BUS INDUSTRIES	1999
04R0026953	150	ORION BUS INDUSTRIES	1999
04R0026954	150	ORION BUS INDUSTRIES	1999
04R0026972	150	ORION BUS INDUSTRIES	1999
04R0026973	150	ORION BUS INDUSTRIES	1999
04R0027044	150	ORION BUS INDUSTRIES	1999
04R0027045	150	ORION BUS INDUSTRIES	1999
04R0027046	150	ORION BUS INDUSTRIES	1999
04R0027068	150	ORION BUS INDUSTRIES	1999
04R0027069	150	ORION BUS INDUSTRIES	1999
04R0027107	150	ORION BUS INDUSTRIES	1999
04R0027109	150	ORION BUS INDUSTRIES	1999
04R0027110	150	ORION BUS INDUSTRIES	1999

Serial Number	Series	Customer Name	Build Year
04R0027112	I50	ORION BUS INDUSTRIES	1999
04R0027114	I50	ORION BUS INDUSTRIES	1999
04R0027171	I50	ORION BUS INDUSTRIES	1999
04R0027172	I50	ORION BUS INDUSTRIES	1999
04R0027174	I50	ORION BUS INDUSTRIES	1999
04R0027213	I50	ORION BUS INDUSTRIES	1999
04R0027214	I50	ORION BUS INDUSTRIES	1999
04R0027229	I50	ORION BUS INDUSTRIES	1999
04R0027233	I50	ORION BUS INDUSTRIES	1999
04R0027238	I50	ORION BUS INDUSTRIES	1999
04R0027242	I50	ORION BUS INDUSTRIES	1999
04R0027320	I50	ORION BUS INDUSTRIES	1999
04R0027321	I50	ORION BUS INDUSTRIES	1999
04R0027322	I50	ORION BUS INDUSTRIES	1999
04R0027323	I50	ORION BUS INDUSTRIES	1999
04R0027513	I50	ORION BUS INDUSTRIES	1999
04R0027516	I50	ORION BUS INDUSTRIES	1999
04R0027517	I50	ORION BUS INDUSTRIES	1999
04R0027545	I50	ORION BUS INDUSTRIES	1999
04R0027551	I50	ORION BUS INDUSTRIES	1999
04R0027689	I50	ORION BUS INDUSTRIES	1999
04R0027693	I50	ORION BUS INDUSTRIES	1999
04R0027700	I50	ORION BUS INDUSTRIES	1999
04R0027701	I50	ORION BUS INDUSTRIES	1999
04R0027732	I50	ORION BUS INDUSTRIES	1999
04R0027742	I50	ORION BUS INDUSTRIES	1999
04R0027769	I50	ORION BUS INDUSTRIES	1999
04R0027779	I50	ORION BUS INDUSTRIES	1999
04R0027781	I50	ORION BUS INDUSTRIES	1999
04R0027813	I50	ORION BUS INDUSTRIES	1999
04R0027876	I50	ORION BUS INDUSTRIES	1999
04R0027878	I50	ORION BUS INDUSTRIES	1999
04R0027879	I50	ORION BUS INDUSTRIES	1999
04R0027950	I50	ORION BUS INDUSTRIES	1999
04R0027951	I50	ORION BUS INDUSTRIES	1999
04R0027952	I50	ORION BUS INDUSTRIES	1999
04R0027953	I50	ORION BUS INDUSTRIES	1999
04R0028050	I50	ORION BUS INDUSTRIES	1999
04R0028052	I50	ORION BUS INDUSTRIES	1999
04R0028053	I50	ORION BUS INDUSTRIES	1999
04R0028091	I50	ORION BUS INDUSTRIES	1999
04R0028140	I50	ORION BUS INDUSTRIES	1999
04R0028142	I50	ORION BUS INDUSTRIES	1999
04R0028144	I50	ORION BUS INDUSTRIES	1999
04R0028148	I50	ORION BUS INDUSTRIES	1999
04R0028149	I50	ORION BUS INDUSTRIES	1999
04R0028289	I50	ORION BUS INDUSTRIES	1999
04R0028458	I50	ORION BUS INDUSTRIES	1999
04R0028459	I50	ORION BUS INDUSTRIES	1999

Serial Number	Series	Customer Name	Build Year
04R0028460	I50	ORION BUS INDUSTRIES	1999
04R0028461	I50	ORION BUS INDUSTRIES	1999
04R0028462	I50	ORION BUS INDUSTRIES	1999
04R0028463	I50	ORION BUS INDUSTRIES	1999
04R0028584	I50	ORION BUS INDUSTRIES	1999
04R0028743	I50	ORION BUS INDUSTRIES	1999
04R0029574	I50	ORION BUS INDUSTRIES	1999
04R0029738	I50	ORION BUS INDUSTRIES	1999