

# BAKER & DANIELS

EST. 1963

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INDIANAPOLIS  
FORT WAYNE  
SOUTH BEND  
ELKHART  
WASHINGTON, D.C.  
QINGDAO, P.R. CHINA

October 26, 2000

## SENT VIA FEDERAL EXPRESS

National Highway Traffic Safety Administration  
Associate Administrator for Enforcement  
400 Seventh Street, S.W.  
Room 5321  
Washington, DC 20590

00V-334 (01)

RE: Haulmark Industries, Inc. - Generator Recall

Dear Sir/Madam:

Enclosed you will find the Vehicle PART 573 Defect and Noncompliance Report, an Owner letter and a Dealer letter with instructions for modification involving Haulmark cargo trailers on model years 1996 through 2001. Pursuant to your confirming fax, we have instructed Haulmark to commence the mailing of the recall notices to its dealers and customers.

If you have any questions, please feel free to contact me.

Sincerely,



Kennard R. Weaver

KRW/awk  
Enclosures

cc: L. Michael Arnold  
Trace Cole  
Joe McMillan

**Safety Defect and Noncompliance Report Guide for Vehicle  
PART 573 Defect and Noncompliance Report<sup>1</sup>**

Date this report was prepared: September 11, 2000

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

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name, mailing address, and telephone number of the designated agent as prescribed by Section 110 (e) of the National Traffic and Motor Vehicle Safety Act.

Haulmark Industries, Inc.

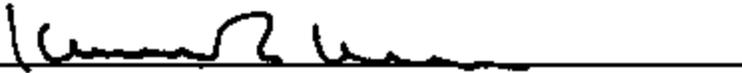
Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.

Kennard R. Weaver, General Counsel

Telephone Number: 219.296.6000

Name and Title of Person who prepared this report.

Kennard R. Weaver, General Counsel

Signed: \_\_\_\_\_  


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<sup>1</sup>Each manufacturer must furnish a report to the Associate Administrator for Enforcement for each defect or noncompliance condition in its vehicles which relate to motor vehicle safety.

This is a paraphrased guide developed from 49 CFR Part 573, 'Defect and Noncompliance Reports.' Any questions, please consult the complete Part 573 or contact Mr. Jon White at (202) 366-5227.

I. Identifying the Vehicle Models Involved in the Recall

00V-334 (03)

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), furnish:

Make(s): Haulmark

Model(s): All Models

Model Year(s) Involved: 1996, 1997, 1998, 1999, 2000, 2001

Production Dates: Beginning: November 1996 Ending: September 2000

VIN Range: Beginning: 4XSCB1018YG002473 Ending: 4XSMC13161G027203

Vehicle Type: Trailer Bodystyle: \_\_\_\_\_

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

Vehicle has a stationary generator mounted on board.

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, 1993, through April 1, 1993, then what was the percentage of the recalled Widgets of all Widgets manufactured during that time period.

.00361%

II. Identifying the Recall Population

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

<u>Model</u>	<u>Year</u>	<u>Number of Vehicles Potentially Involved</u>
<u>All Models</u>	<u>November, 1996 - September, 2000</u>	<u>84</u>

Total Number Potentially Affected by the Recall: 84

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: .00361%

Identify and describe how the recall population was determined -- in particular how the recalled models were selected and the basis for the inclusive dates of manufacture:

Identified total numbers of generators purchased. Identified by serial number which trailers had generators installed.

III. Identifying the Defect or Noncompliance

00V-334 (2)

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.

Generator exhaust opening was under the trailer instead of being vented out the side of the trailer.

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

The exhaust pipe was improperly installed.

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

A person may experience carbon monoxide poisoning, which may result in illness or death.

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

Generator exhaust has a noxious smell.

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

N/A

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

N/A

IV. Identifying 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 principal 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.

On or about August 30, 2000 Haulmark was notified that two children had been sleeping in a trailer and awoke experiencing the symptoms of carbon monoxide poisoning.

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. Identifying the Remedy

8. Furnish a description of the manufacturer's remedy for the defect of noncompliance. Clearly describe the difference between the recall condition and the remedy.

Reinstall with the exhaust opening pointed towards the outside of the trailer according to the instructions from the generator manufacturer.

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

Exhaust pointed inboard (Wrong). Exhaust pointed outward (Correct).

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 remedy is identical to the recall remedy in the field.

VI. 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.

Immediately upon approval of the owner and dealer notification, the recall will begin.

VII. Recall Communications

9. Furnish a final copy of all notes, 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 concerning this recall from the time your company determines the defect or noncompliance condition onward, not just the initial notification. A DRAFT copy of the notification documents SHOULD BE submitted to this office by telefax (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.

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00V-334 (09)

Dear Haulmark Dealer:

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

Haulmark has determined that a defect which relates to motor vehicle safety exists in certain 1996, 1997, 1998, 1999, 2000, 2001 trailers. We recently discovered that there may be generators installed in these trailers that do not have the exhaust vented properly. The location of the vent pipe could result in a carbon monoxide poisoning resulting in personal injury or loss of life. Haulmark was alerted to this defect by a consumer claim .

Owners of units involved in this recall will receive a letter instructing them to contact their Haulmark Dealer to have the exhaust pipe vented properly. You will receive notification and a remedy kit for each unit shipped to your dealership that are stock items.

The job shall be performed at the flat rate of 1.0 hour.

**FEDERAL LAW REQUIRES THAT ALL AFFECTED UNITS IN YOUR  
INVENTORY OR ON YOUR LOT MUST BE CORRECTED PRIOR TO  
DELIVERY UNDER A SALE OR LEASE**

If you have any questions concerning this recall campaign, please contact your service representative or Joe McMillan.

Sincerely,

Haulmark Industries, Inc.

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(title)

Dear Haulmark Owner:

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

Haulmark has determined that a defect which relates to motor vehicle safety exists in certain 1996, 1997, 1998, 1999, 2000, 2001 trailers. According to our records, you are the owner of a Haulmark trailer within these years of manufacture. We recently discovered that there may be generators installed in these trailers that do not have the exhaust vented properly. The location of the vent pipe could result in a carbon monoxide poisoning resulting in personal injury or loss of life. Unnecessary use of your trailer should be avoided, and your unit should be delivered to your dealer as soon as possible.

We will, through your Haulmark dealer, to have the exhaust pipe vented properly. Please contact your Haulmark dealer to set up an appointment for this procedure. Take this letter with you at the time of your appointment. This procedure will take one (1) hour to complete. *NOTE: Haulmark does not control the scheduling of service work at the dealerships. You may encounter some delay in scheduling.*

Any owner may submit a complaint to the Administrator, National Highway Traffic and Motor Vehicle Safety Administration, 400 Seventh Street, S.W., Washington, D.C. 20590 or call the toll free Auto Safety Hotline at 1-800-424-9393 (Washington D.C. area residents may call 366-0123) if the owner believes that:

- a. The manufacturer or dealer has failed or is unable to remedy the problem without charge.
- b. The manufacturer or dealer has failed or is unable to remedy the problem within a reasonable time

If you no longer own your 1996, 1997, 1998, 1999, 2000, 2001 trailer, please advise us of the name and address of the new owner, using the serial number on all correspondence.

Your safety and confidence in our products is important to us. We apologize for any inconvenience and thank you for your business.

Haulmark Industries, Inc.

\_\_\_\_\_  
(title)

# 5. Exhaust System

00V-334 (2)

**⚠ WARNING** **EXHAUST GASES ARE DEADLY!** Never sleep in the vehicle with the genset running unless the vehicle is equipped with an operating carbon monoxide detector with an audible alarm.

**⚠ WARNING** Provide an adequate exhaust system to properly expel discharged gases. Inspect exhaust system daily for leaks per the maintenance schedule. Check that exhaust manifolds are secure and not warped. Do not use exhaust gases to heat a compartment. Be sure the unit is well ventilated.

## GENERAL

Plan each individual exhaust system carefully. A proper installation is not only vapor tight, but is also quieter and safer. Be sure to check all applicable standards, local codes, and regulations.

Refer to the following text and figures for recommendations to follow when installing the exhaust system. Refer to the installation instructions supplied with the exhaust system kit for specific mounting procedures. See Figures 5-4 and 5-5 on Pages 5-4 and 5-5 for exhaust kit options.

## MUFFLER

If the genset was supplied without a muffler we recommend that you purchase an Onan RV spark arresting muffler approved by RVIA and USDA. The RVIA/ANSI EGS-1 standard requires that the muffler be constructed of aluminized steel or equivalent corrosion resistant material and be of welded or crimped construction. The spark arrester must be USDA approved. It may be integral to the muffler or of the add-on type. The muffler back pressure rating must not exceed 35 inch water (2.57 inch mercury) for Model BGE or 65 inch water (4.78 inch mercury) for Model NHE.

**⚠ CAUTION** Failure to use and maintain a spark arresting exhaust system is illegal on federally owned lands and could lead to a brush or forest fire.

Liability for damage or injury, and warranty expenses due to use of unapproved mufflers or instal-

lation modifications become the responsibility of the person installing substitute muffler or performing the modifications. Contact an Onan distributor for approved exhaust system parts and installation instructions.

## EXHAUST INSTALLATION GUIDELINES

The exhaust system must be placed no closer than 3 inches (76 mm) from combustible material (wood, felt, cotton, organic fibers, etc.), or be so located, insulated, or shielded, that it does not raise the temperature of any combustible material more than 117°F (65°C) above the ambient air inlet temperature.

The exhaust system must extend a minimum of 1 inch (25 mm) beyond the perimeter or bumper of the vehicle. If the genset tailpipe is on the same side of the vehicle as the compartment, try to terminate the tailpipe aft of the genset air intake to reduce the possibility of exhaust recirculation. Direct the exhaust down and to the rear. See Figure 5-1.

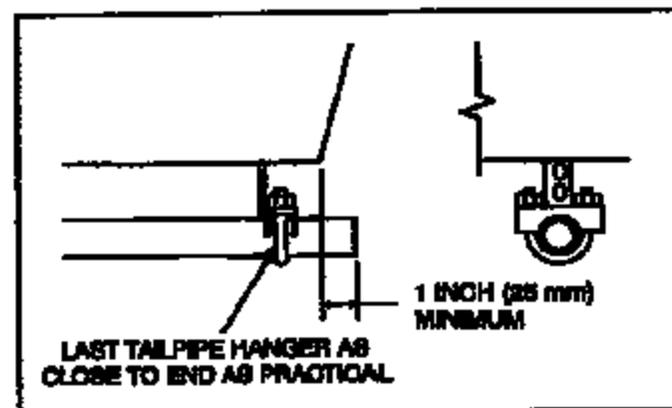


FIGURE 5-1. EXHAUST TAILPIPE TERMINATION

To reduce the possibility of damaging the tailpipe and emitting exhaust gases under the vehicle, be sure no part of the exhaust system intrudes into the departure angle or approach angle unless it is adequately protected by a skid bar or other protection device. See shaded areas in Figure 5-2 on Page 5-2 for typical mounting locations.

**⚠ WARNING** Exhaust gas presents the hazard of severe personal injury or death. Use only Onan specified exhaust equipment with generator set and support the system per kit instructions.

### TAILPIPE RECOMMENDATIONS

An exhaust tailpipe is not supplied because of variation in length requirements between RV manufacturers. Prior to installing an exhaust tailpipe, refer to the following recommendations for additional tips and safety considerations.

Use 1-1/2-inch O.D. (1-3/8-inch I.D.) 18 gauge aluminumized steel or stainless steel tubing for the tailpipe.

**WARNING** Exhaust gas presents the hazard of severe personal injury or death. Do not use flexible exhaust tailpipe since it can leak or break due to road shock or vibration. Do not terminate exhaust system under the vehicle. Direct exhaust gases away from any window, door, or compartment openings. Do not operate the generator set without an exhaust tailpipe.

Use U-bolt type automotive muffler clamps marked 1-3/8 and double rubber, U-shaped shock mounted hangers for supporting the exhaust system. (See Figure 5-3.) If the tailpipe extends beyond 1-1/2 feet (0.46 m) from the muffler, attach one or more automotive tailpipe hangers every 2 to 3 feet (0.6 to 0.9 m) of tailpipe run. Support the exhaust system at or near the perimeter of the vehicle to prevent the pipe from being damaged and pushed up under the vehicle skirt. Attach hangers to steel framework, not wood or other floor materials. Refer to Figures 5-4 and 5-5 on Pages 5-4 and 5-5 for a typical tailpipe installation.

**CAUTION** Excessive exhaust back pressure can cause engine damage. If a tailpipe deflector is used, make sure it is large enough to prevent back pressure.

**CAUTION** Water vapor can cause engine damage. Do not connect the genset exhaust to the vehicle exhaust system, because water vapor from one engine can damage the other.

**CAUTION** Angular mounting of muffler and tailpipe hanger brackets can result in exhaust system damage. Properly mounted hanger brackets will absorb much road shock vibration and prolong the usefulness of exhaust system components. Mount muffler and tailpipe hanger brackets directly above the component support, not at an angle. Do not twist the rubber sections of any hangers.

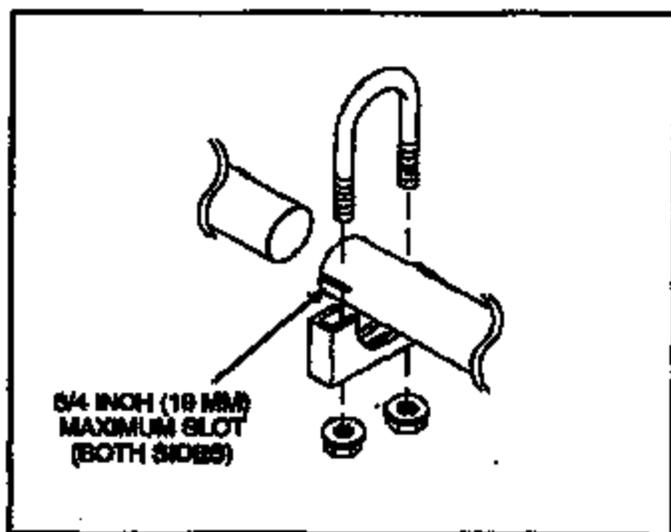
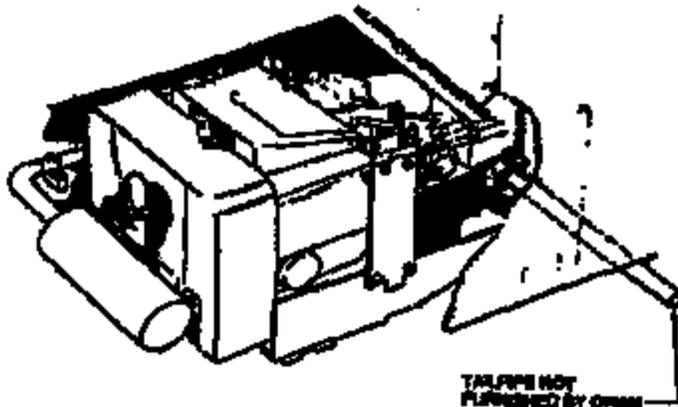
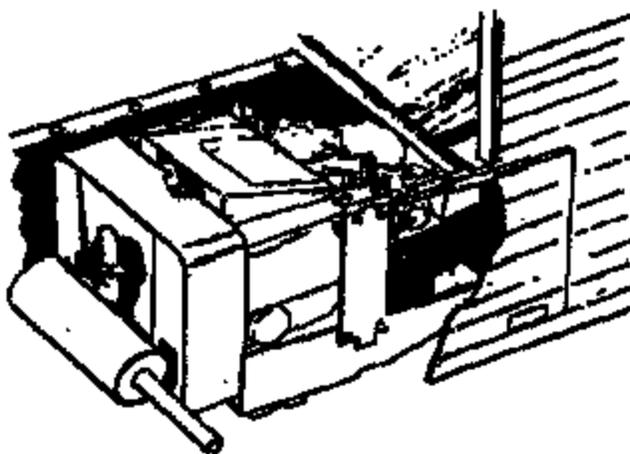


FIGURE 5-3. EXHAUST TAILPIPE CONNECTIONS

EXHAUST ACCESSORY  
KIT 548-042 BROWN



EXHAUST ACCESSORY  
KIT 548-043 BROWN



EXHAUST ACCESSORY  
KIT 548-045 BROWN

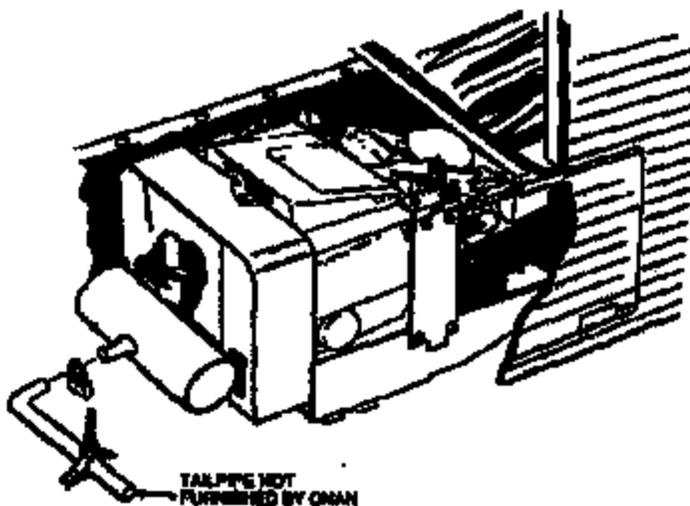


FIGURE 5-3. EXHAUST SYSTEM KIT EXAMPLES FOR UNDER-FLOOR MOUNT GENSETS