

U-MAD[®] TMA / TRAILER | NCHRP 350 TL-2 AND TL-3

DAMAGE EVALUATION PROCEDURE

BARRIER SYSTEMS[™]
BY LINDSAY

 **LINDSAY**[™]

P/N 1620208 Rev A (ECN 37626)

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1. PURPOSE

1.1. The purpose of this document is to establish a procedure for evaluating damage to a U-MAD cartridge and communicating the reparability.

2. SCOPE

2.1. This design procedure applies only to the U-MAD.

2.2. This work instruction applies to all people participating in the evaluation and reparability communication of the U-MAD cartridge.

3. REFERENCES

750P001	Control of Records
102F001-003	Engineering Product Issue
102W001-002	Engineering Product Issue Reporting
1620207	U-MAD Cartridge Repair Manual

4. RESPONSIBILITIES

4.1. The assigned damage Evaluator of the request has the responsibility for the completion of this process.

4.2. Responsibilities of other parties are indicated in the procedure section.

5. PROCEDURE

5.1. Damage Inputs - Damage inputs are provided by the end user directly to Lindsay Corp., their distributor, or to a Certified Repair Facility (CRF) and may consist of:

- 5.1.1. U-MAD Repair Investigation Form (p.4). (required)
- 5.1.2. Photographs. (required)
- 5.1.3. Cartridge Serial Number. (required)
- 5.1.4. Measurements.
- 5.1.5. Descriptions/Notes.
- 5.1.6. Additional Information.

Upon receiving the damage inputs the Evaluator will review the inputs for adequacy. Requests for clarification will be made for any inputs which are not viewed as adequate.

5.2. EVALUATOR REVIEW

Once the inputs are received, the Evaluator will determine which level to categorize the damage as outlined in the 1620207 - U-MAD Cartridge Repair Manual. The levels are as follows:

- 5.2.1. Cosmetic Damage – Paint and Oxidation.
- 5.2.2. Level 1 – Minor dents, tear, and seam separation.
- 5.2.3. Level 2 – Larger dents, tears, and seam separation.
- 5.2.4. Level 3 – Non-repairable damage.

5.3. ENGINEERING REVIEW

In the event the damage level is unclear and cannot be determined during Evaluator review, the Evaluator will need to open an Engineering Product Issue ticket and provide all relevant information of the damaged unit to date. The following steps will need to be taken by engineering:

- 5.3.1. The Engineering Product Issue will then be assigned per 102F001-003 Engineering Product Issue.
- 5.3.2. Engineering will assign an RSP Application Number. RSP Application Number Log located at \\tsdept01\ - Engineering Master Files\Engineering Logs.
- 5.3.3. Engineering will review the provided information and request any additional information, if necessary.
- 5.3.4. Once review is complete, Engineering will send to the Evaluator.

5.4. EVALUATION OUTPUTS

The output of the evaluation process is a U-MAD Repair Evaluation Report (p.3) and, if necessary, a Bill of Materials for the components necessary to repair as well as a quotation for the components and shipping. The output is detailed enough to give the following information to stakeholders:

- 5.4.1. Damage level and zone.
- 5.4.2. Repairability.
- 5.4.3. Short reasoning for damage level and zone.
- 5.4.4. Cost for Components necessary for repairs, if applicable.

All Level 2 repairs will need an additional Serial Number Tag (1424020) with the RSP Application Number as that Serial Number. The new Tag will need to be installed on the C-Channel next to the original.

5.5. COMMUNICATION OF OUTPUTS

The following outputs will be sent by the Evaluator to the end user, distributor, and/or CRF:

- 5.5.1. U-MAD Repair Evaluation Report (p.3).
- 5.5.2. Quotation for Repair Components and Shipping, if necessary.
- 5.5.3. Name, location, & phone number of nearest CRF, if necessary.
 - 5.5.3.1. List of active CRFs in 1620211 - List of U-MAD Certified Repair Facilities.
- 5.5.4. Serial Number Tag, if Level 2 repairs required.

Documentation to be controlled per 750P001 – Control of Records.

U-MAD Repair Evaluation Report

Date: MM, DD, YYYY _____

Name of Cartridge Owner: (Company) _____

Distributor: (Company) _____

Cartridge Serial Number: C-XXXX _____

Manufactured Date: Month DD, YYYY _____

Date of Damage: Month DD, YYYY _____

Location of Damage: (Right, Left, Front, Rear, Top, Bottom, Corner, Side, etc.) _____

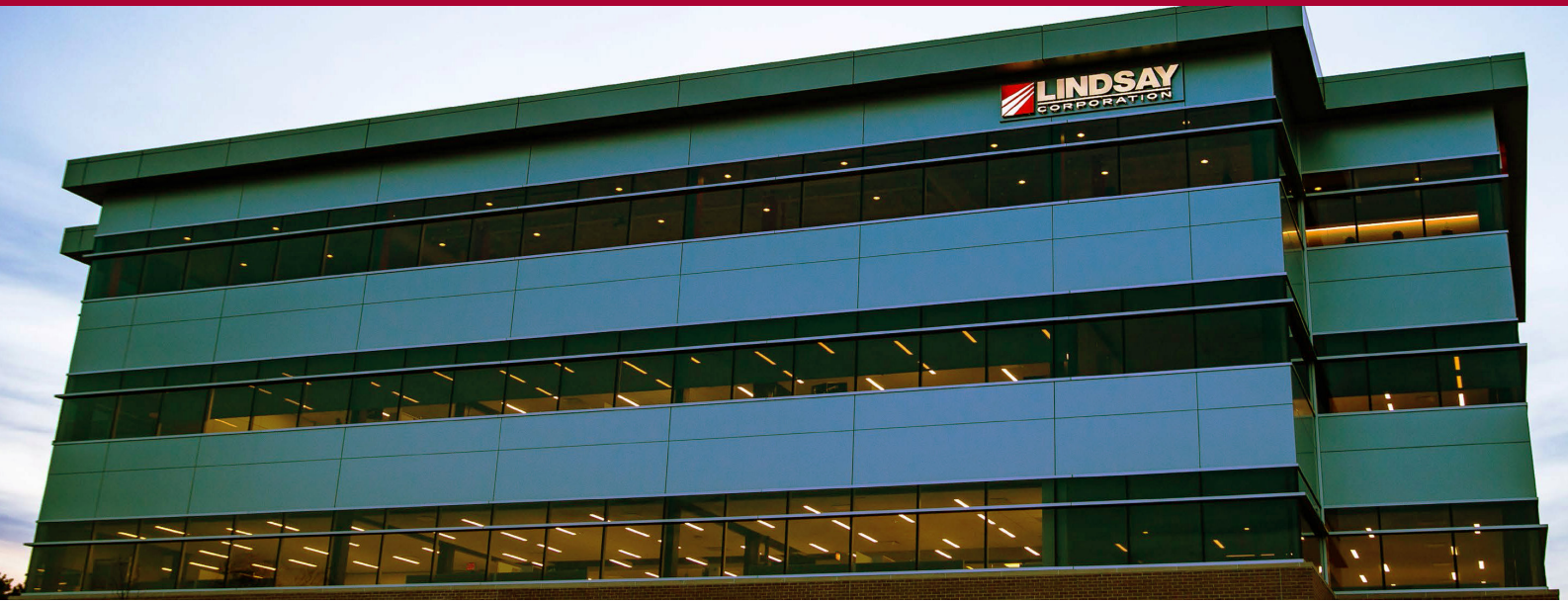
Repair Serial Number: AP#0XXXX _____

Evaluation:

After reviewing the photographs of the UMAD damage for a cartridge sent through (Dropbox/E-Mail) by (First Name Last Name) at (Company), it has been determined that the damage sustained on the UMAD cartridge (is/ is not) repairable. It appears the damage is (within/outside) the limits of repair per the UMAD Cartridge Repair Guide, therefore is considered not repairable. (Brief detail of reasoning/explanation.) If you need further assistance on this matter, please contact us.

Revisions

Date	ECN	Published ECN	Rev	Description
02/25/2020	37626	37626	A	Initial Release



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Please contact Lindsay Transportation Solutions to confirm that you are using the most current installation manual and instructions.

Additional information is available from Lindsay Transportation Solutions. © Lindsay Transportation Solutions