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Coding Information

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**Title:** Aluminum Fuel Tank, B-Box, and Other Aluminum Bright Work Parts - Cleaning and Polishing Options

**Applies To:** All Models

### **CHANGE LOG**

Please refer to the change log text box below for recent changes to this article:

06/27/2024 - Revised and Revamped Article  
 05/23/2018 - Added Warranty Note  
 04/11/2018 - Initial Article Release

### **DESCRIPTION**

This document will provide the user with cleaning options and procedures for aluminum bright work parts that become stained or tarnished.

**NOTE:**

This article addresses potential concerns that may occur during in-transit vehicle movement making the aluminum fuel tanks and other aluminum bright work to be stained.

### **SYMPTOM(s)**

**Customer Observations or Concerns:** Appearance of stains on fuel tanks, battery boxes, steps, deck plates, or other bright work parts.

### **SPECIAL TOOL(s) / SOFTWARE**

Tool Description	Tool Number	Comments	Instructions
Soft Towel			
Gloves			
Orbital Polisher			
Safety Face Shield			
Scotch-Brite Pads			

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The following Cleaners/Polishes are **NOT** available through Navistar's Service parts or Kem Krest.

These items can be purchased locally or through certain online retailers.



**List of products (Results may vary):**

- Zephyr Pro 40 Perfection Metal (\$18-\$28 Cream)
- CLR – Industrial Strength Cleaner (\$15-\$25 Spray)
- Eagle One Chrome Cleaner (\$10 - \$18 Spray)
- Simichrome Polish (\$19-\$115 Cream)
- Tarn-X Pro (\$35-\$45 Liquid-Gallon)

**Common Scotch-Brite Pad**




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**SERVICE PARTS INFORMATION**

No service parts are needed for this process.

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**DIAGNOSTIC STEP(s)**

 <b>WARNING:</b>	
To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.	

 <b>WARNING:</b>	
To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.	

**WARNING:**

To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

Step	Action	Decision
1	<p><b>DIAGNOSTIC:</b></p> <p>Under certain operating and transit conditions, dirt, debris, or mud left on the fuel tanks and other bright work parts can cause them to become stained and will not wash off under normal cleaning procedures, see Figure 1. Periodic cleaning can help prevent this type of stain from occurring. Does the vehicle have stained fuel tanks and/or other bright work parts that are stained as seen in Figure 1?</p>  <p>Figure 1: Stained fuel tank surfaces before cleaning</p>	<p><b>Yes.</b> Follow the steps outlined under Repair Steps for the proper cleaning procedure</p> <p><b>No.</b> Please return the vehicle to service, no repair is necessary</p>

**REPAIR STEP(s)****NOTE:**

Always follow the product label instructions for the best results.

**NOTE:**

The different cleaners and polishing processes will have varied results based on the type of staining present on the part. Use the one that provides the best results for the type of stain you are trying to remove.

Any cleaning/polishing products listed in this article can be used as directed to clean the stains off of aluminum parts. Depending on the type of staining, some cleaning methods will be more effective than others.

If the cleaners do not remove the stains, see the following process below.

The following process is specifically for the fuel tanks but can also be used on B-boxes or other aluminum bright parts that are not chrome plated or have a mirror finish from the factory.

**NOTE:** This process should not be used on chromed bumpers, chromed modesty panels, Chromed Air Cleaners (DEACs), or other chromed parts.

**NOTE:** This process should not be used on polished stainless steel aluminum/Clad bumpers.

**STEP 1:** Wash the tank surface to remove all dirt & debris wipe surfaces with a damp soft cloth.



**STEP 2:** Using a Scotch-Brite pad clean the stains off using a uniform pressure and uniform wiping motion.



**STEP 3:** After Scotch-Brite cleaning is complete, wash the tank surface with soap and water to remove dust and residues.



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## **WARRANTY INFORMATION**

### **Warranty Claim Coding:**

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

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### **Standard Repair Time(s):**

Refer to the [SRT Manual](#) for Repair Times

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## **OTHER RESOURCES**

[Master Service Information Site](#)

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