



**Technical Service  
BULLETIN**

November 16, 2004

Title:

**IRON PARTICLE RUST  
CONTAMINATION REPAIR**

Models:

'94 – Current Toyota & '04 – Current Scion

PAINT  
REVISED  
PA005-04

**TSB REVISION NOTICE:**

- **December 16, 2004:** Text has been revised to more accurately describe cleaner (Auto Magic® Special Cleaner Concentrate™ is not an oxalic acid solution); Applicable Vehicles has been defined more clearly.

The previous TSB should be discarded.

**Introduction** The purpose of this bulletin is to provide information regarding the proper procedures to clean vehicles that may have been subjected to contamination by airborne iron particles such as rail dust.

- Applicable Vehicles**
- **1994 – Current** model year **Toyota** vehicles.
  - **2004 – Current** model year **Scion** vehicles.

**Condition** During rail transportation or extended storage near industrial areas, vehicles may occasionally be subjected to contamination by airborne iron particles shed from railroad tracks, train wheels, exposure to heavy machinery facilities, grinding, welding, etc.

**Inspection** This type of contamination can be identified by the presence of small red or brown particles on the paint surface. These particles are often difficult to see on dark color paints, but can be easily felt when brushing a hand across horizontal body surfaces such as hood, roof, or deck lid.

**CAUTION:**

Because of the abrasiveness of these small iron particles, polishing or buffing procedures should not be attempted to repair the paint surface of an affected vehicle. This will result in further paint damage and detract from vehicle appearance.

**Repair** Washing the affected paint surfaces with Auto Magic® Special Cleaner Concentrate™ is the recommended method to dislodge embedded iron particles and remove the surrounding rust stains. The correct usage of Auto Magic® Special Cleaner Concentrate™ is described in this bulletin.

**Warranty Information**

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–



**Required Tools & Materials**

TOOLS & MATERIALS	QUANTITY
Auto Magic® Special Cleaner Concentrate™ #713*	1
Rubber Gloves, Aprons, Boots	As Needed
Eye Protection	
Sponges or Wash Mitts	
Pail or Bucket	

\* Contact the main office of Auto Wax Company Inc. (1-800-826-0828 or www.automagic.biz) to find a local source for Auto Magic® Special Cleaner Concentrate.™

**General Precautions**

**WARNING:**  
**Auto Magic® Special Cleaner Concentrate™ is a corrosive material. Appropriate personal protection equipment must be worn to protect persons performing the contamination removal procedure. Please refer to the precautions on the product prior to use.**

**CAUTION:**  
**Consult local or state regulations regarding the handling, use, and disposal of Auto Magic® Special Cleaner Concentrate™ prior to use.**  
**Under no circumstances should contamination removal be performed in direct sunlight or contamination removal solution be allowed to dry on vehicle surfaces, as staining of plastic, rubber, or painted parts may result.**

**Repair Procedure**

1. Move vehicle out of direct sunlight. Initially rinse with cool water then wash with liquid car wash detergent. Rinse again thoroughly with fresh water.
2. Dilute the mixture to a 1:8 ratio for painted surfaces. Use the recommended dilution ratio when applying to any other surface. Apply the diluted cleaner so that it evenly covers the affected area. Use an appropriate mitt or sponge to agitate the surface.
3. Thoroughly rinse vehicle with fresh water.
4. Inspect vehicle carefully both visually and by feel to determine if all iron particles have been removed. Repeat the wash several times if necessary to achieve complete removal.
5. Dry vehicle with a soft terry cloth towel and apply a non-abrasive, non-silicone glaze to obtain a high-gloss finish.