



Technical Service Bulletin

Technical Service Bulletin: TSB210076	Released Date: 07-Apr-2021
HDKCx Incorrect Enclosure Screw	

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Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- HDKCA spec H
- HDKCB spec H
- HDKCC spec H
- HDKCD spec H

Issue

Symptom:

- Top right screw on the radiator mounting panel can interfere with the coolant hose potentially causing a chafing and/or puncture issue.
- If hose is punctured the unit will lose coolant and shut down on FC 1 for high engine temperature or FC36 for mechanical shutdown.

Root Cause:

- Incorrect screw was used at the factory. Correct screw length is 12 mm of threading. Incorrect screw has 16 mm of threads.

Verification/Confirmation

1. Locate and remove the top right screw on the radiator mounting panel.

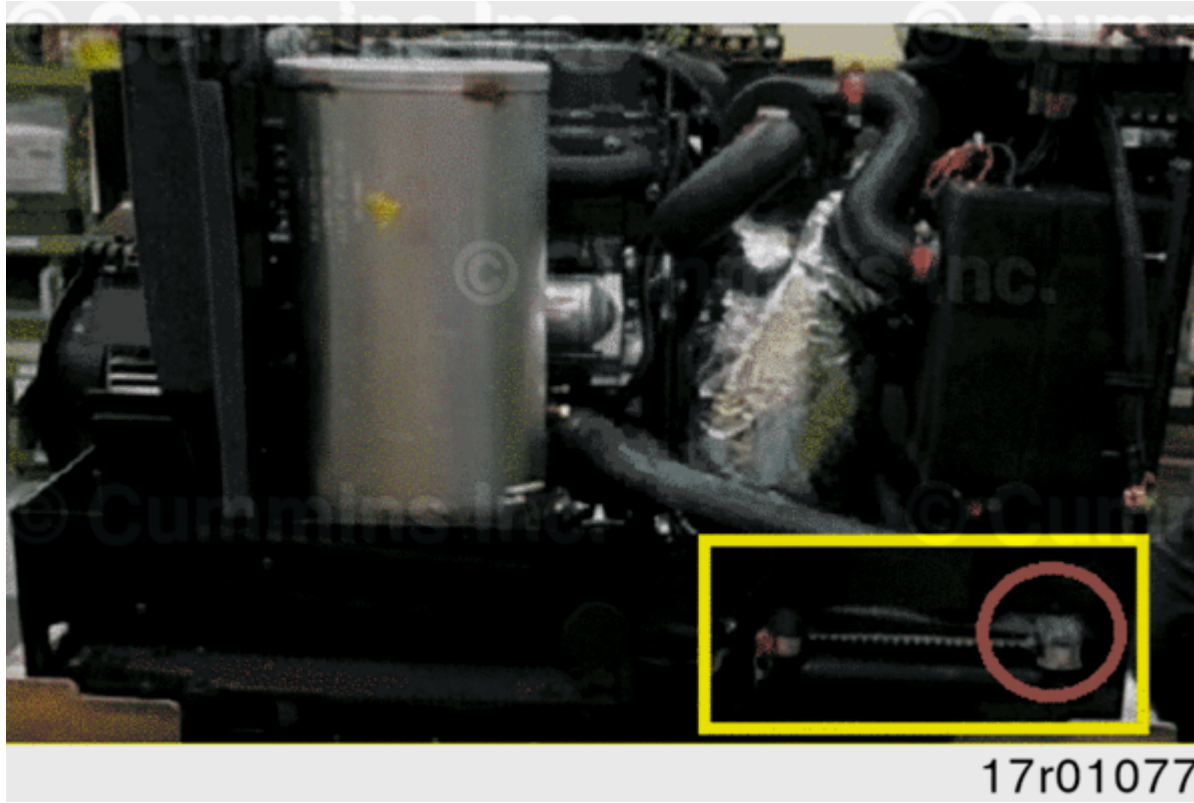


Figure 1, Screw Location

2. Measure the length from the bottom of screw head to the end of the threads. See Figure 2 below.
 - If the threaded portion is 12 mm, the correct screw was used. Reinstall the screw, and no further action is required.
 - If the threaded portion is 16 mm the screw needs to be replaced. See resolution section for the next steps.

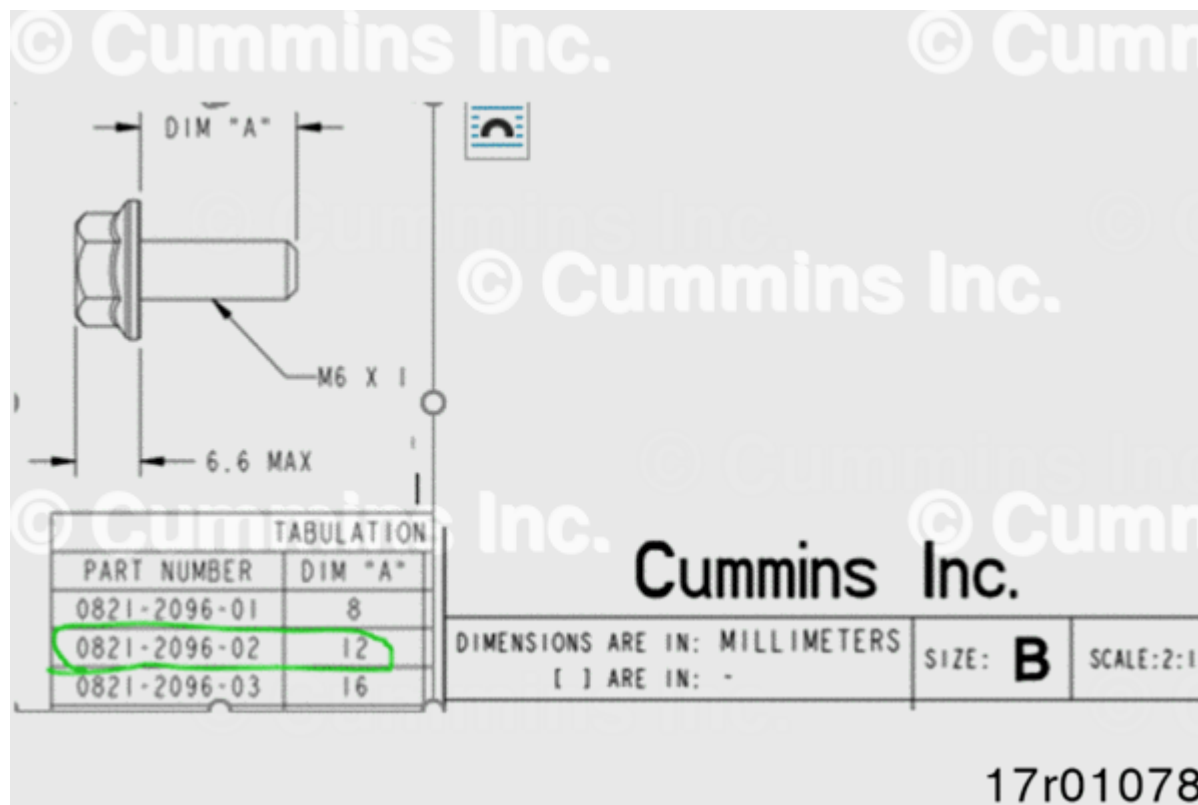


Figure 2, Screw Measurement

Resolution

Replace incorrect screw with correct screw PN 0821-2096-02. Replace coolant hose PN 0503-2501 if significant puncture/chafing mark is found using the steps in the service instruction section below.

Service Instructions

1. Gain access to inspect the coolant hose.
 - 1 a. To thoroughly inspect the hose, inspect it from the top with the side enclosure panel removed.

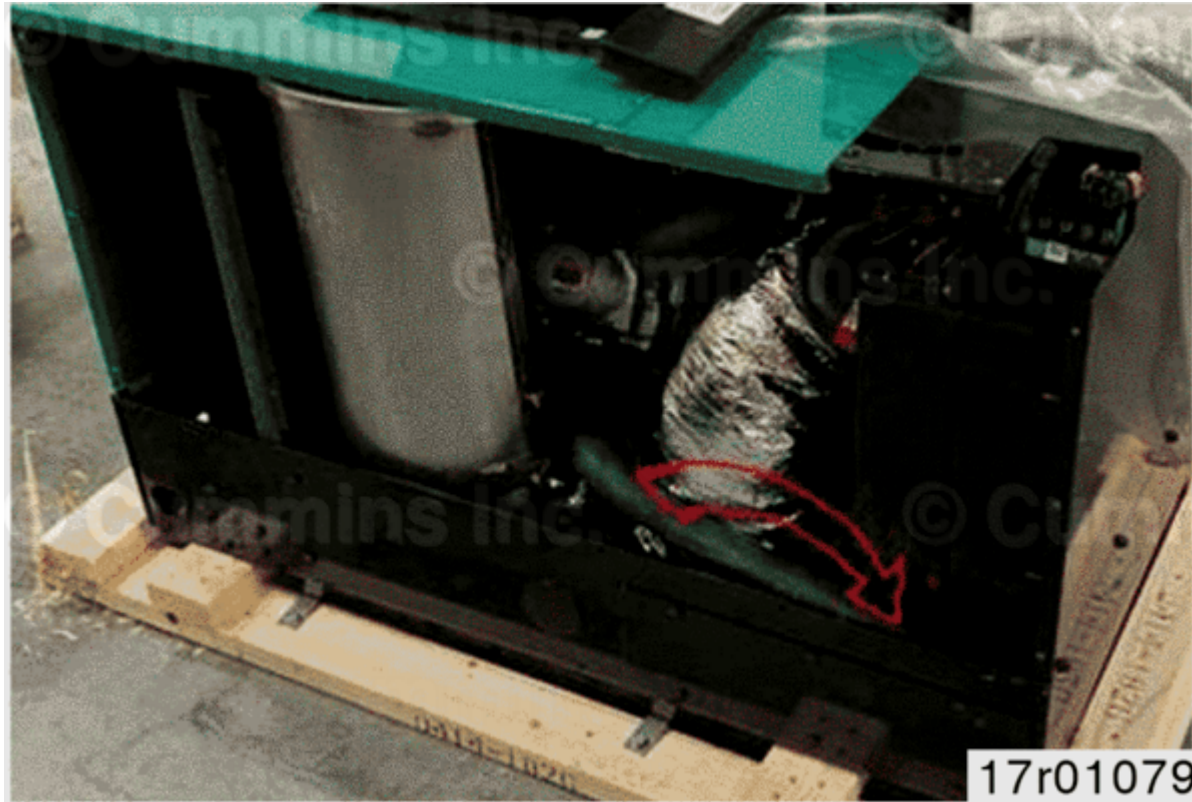


Figure 3, Inspection location

1 b. If the installation does not allow the side panel to be removed, inspect through the radiator mount panel using a mirror.



Figure 4, Inspection Using Mirror

2. Inspect the coolant hose for puncture or chaffing marks.

2 a. Below is an image of a damaged coolant hose. Replace damaged hose with PN 0503-2501 following the steps listed in service manual A043M526.



Figure 5, Damaged Coolant Hose

3. Install shorter screw, PN 01821-2096-02 in the top right corner hole circled in red.

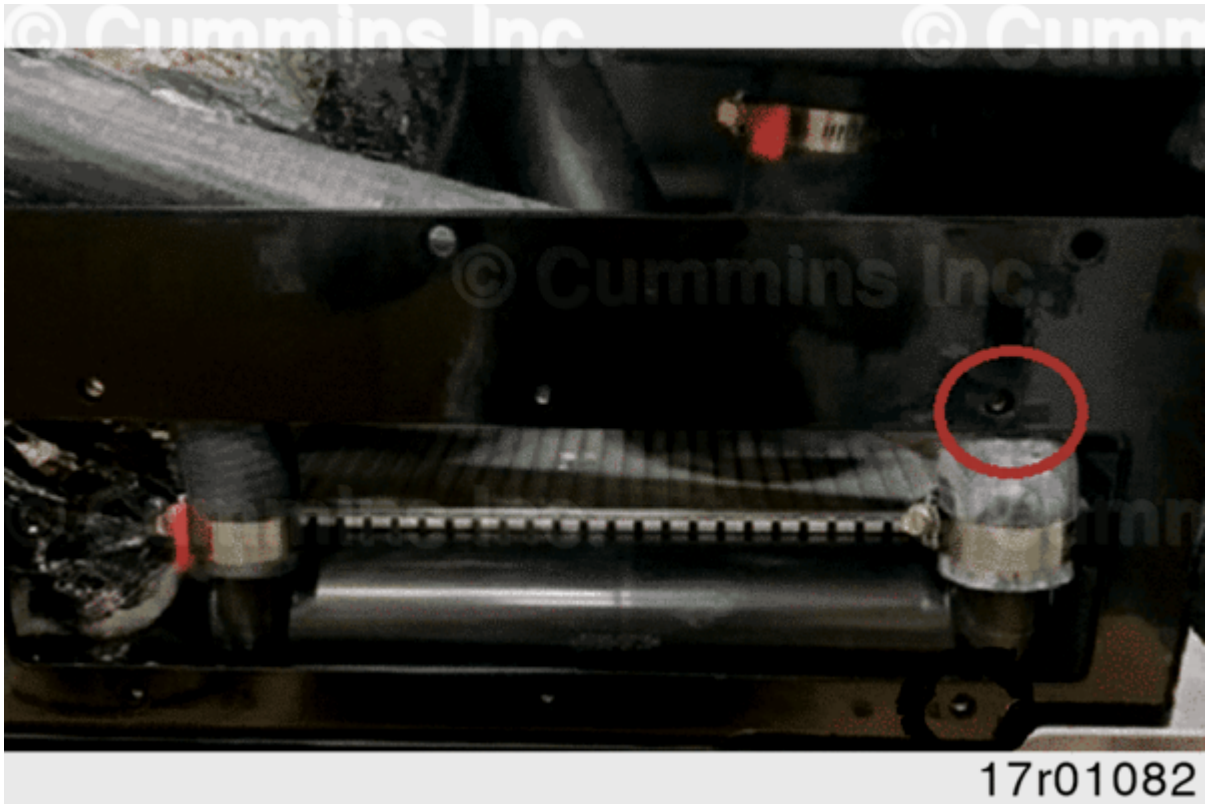


Figure 6, 12 mm Short Screw Location

4. Reinstall the remaining 5 enclosure screws.

4 a.**Note: The original screws can be used at all locations on the radiator mounting panel except for the location circled above in Figure 6. This location must use the 12 mm screw and not the 16 mm screw.**

Service Parts Availability

Service parts are available. See Table 1 for part numbers.

Table 1, Service Parts	
Part Description	Part Number
Screw-LK Flange (12 mm)	0821-2096-02
Hose, Coolant	0503-2501

Document History

Date	Details
2021-4-6	Module Created

Last Modified: 07-Apr-2021
