

TSB Number:	164-001-2024
Product:	Brakes
Date:	February 27, 2024

Purpose

This document outlines repairing a specific list of units that may have brake lines unsecured to the chassis. The fix includes attaching P-clamps to secure brake lines to the chassis.

Safety

This document provides general instructions. Many variables can change the circumstances of any procedure, i.e. the degree of difficulty involved in the service operation and the ability level of the individual performing the operation. This document cannot begin to plot out procedures for every possibility, but will provide the general instructions for effectively installing, removing or servicing the system. In the event the skill level required is too advanced or the procedure too difficult, a certified technician should be consulted before performing the necessary operation. Failure to correctly install, remove or service the system may result in voiding the warranty, inflicting injury or even death.

WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death, serious personal injury, severe product and/or property damage if not performed safely and within the parameters set forth in this document.

CAUTION

The "CAUTION" symbol above is a sign that a procedure has a safety risk involved and may cause personal injury, product and/or property damage if not performed safely and within the parameters set forth in this document.

CAUTION

All industrial safety standards must be followed when performing work identified in this procedure.

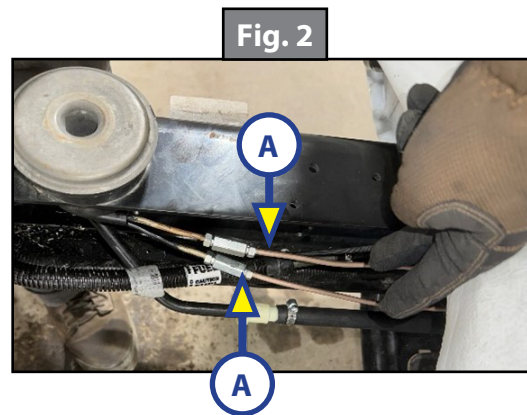
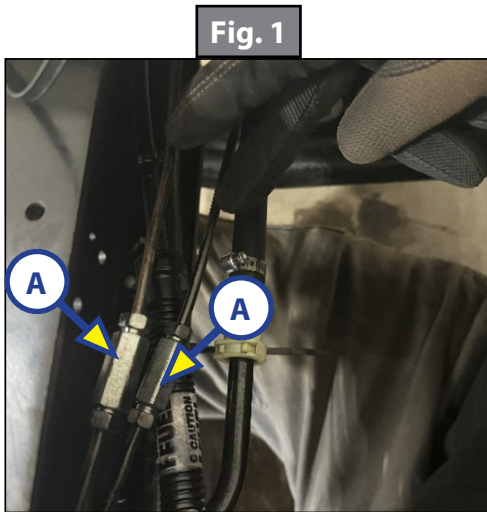
Resources Required

- Self-tapping screws, PN 2024006671
- Rubber P-clamps, PN 2023136417
- Cordless or electric drill or screw gun
- 3/16" drill bit

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Instructions

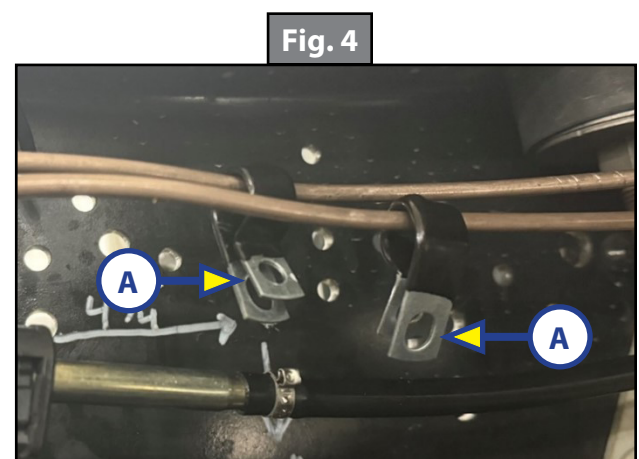
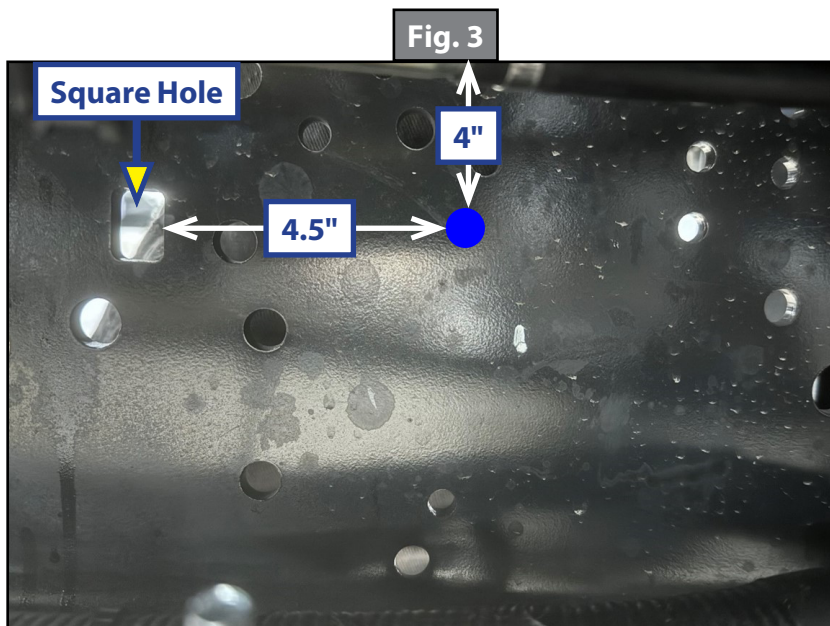
1. Identify manufacturing defect on the inside of the driver's side frame rail, just under the rear cab mount (Figs. 1A and 2A).



2. Drill pilot hole in the chassis (3/16" drill in one place) for a self-tapping screw between the brake lines. This will be between the two brake line couplers, 4" from top of frame rail and 4.5" from the front of square hole (Fig. 3).

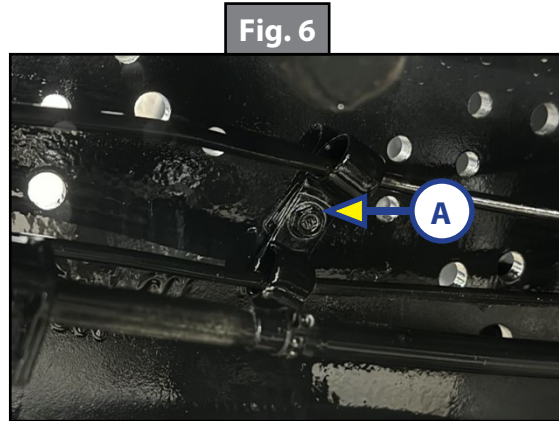
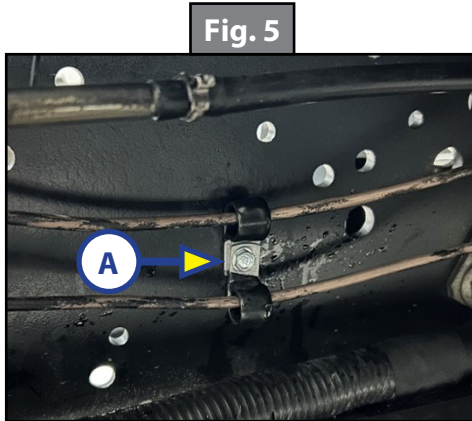
NOTE: Picture is from the inside of the drivers side frame rail.

3. Attach P-clamps around each line making sure the holes are to the center (Fig. 4A).



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4. Screw the self-tapping screw through both holes of the brake line clamps (Figs. 5A and 6A).



NOTE: Fig. 7 shows the finished repair.

NOTE: Make sure the brake lines that run over the driver's side frame rail are not touching the frame rail. Fig. 8 shows the correct placement of the brake lines. If the brake lines touch the frame rail, the lines could develop a hole causing loss of brake pressure.

