

# TECHNICAL PROCEDURE

## HENDRICKSON MAXX22T™ CALIPER

**SUBJECT:** Hendrickson MAXX22T™ Caliper Guide

**LIT NO:** T73001

**DATE:** March 2024

### HENDRICKSON MAXX22T™ CALIPER

This procedure is intended to provide guidelines for inspection, scrap, reuse, and rebuild criteria for Hendrickson MAXX22T air disc brake caliper. The information below provides a quick reference for common component questions but is not a replacement for the detailed procedures outlined in the [T72009 MAXX22T Installation and Maintenance Procedures](#).

**IMPORTANT:** Before conducting any removal, repair, or installation work. Review [T72009 MAXX22T Installation and Maintenance Procedures](#).

Contact **Hendrickson Trailer Technical Services**, in the United States and Canada at 866-RIDEAIR (743-3247) or email [HTTS@Hendrickson-intl.com](mailto:HTTS@Hendrickson-intl.com) before performing any warranty related service.

**IMPORTANT:** Only Hendrickson Genuine Parts or parts sold through Hendrickson may be used to repair Hendrickson trailer suspension products.

Other relative literature may include:

LIT NO.	DESCRIPTION
<a href="#">T12007</a>	General Safety Precautions & Information for Technical Procedures
<a href="#">T71004</a>	Hub and Rotor Assembly Caliper Mounting Procedures
<a href="#">T72009</a>	MAXX22T Installation & Maintenance Procedures
<a href="#">T72011</a>	ADB Wear Indicator Tool
<a href="#">T82006</a>	Recommended Stud Replacement Procedures
<a href="#">L1318</a>	Air Disc Brake maintenance Postcard
<a href="#">L949</a>	Ready-To-Roll Catalog
<a href="#">L583</a>	Comprehensive Warranty Statement

### CONSUMABLE ITEMS







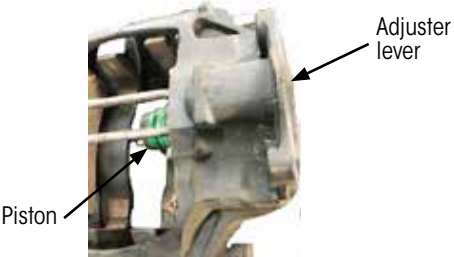
These items are considered wear items and should be replaced as part of a regular maintenance schedule

CONDITION	SPECIFICATION	PARTS TO REPLACE
Worn Pads	Hendrickson recommends replacement when friction material is 4 mm or less.	Replace both inner and outer pads across the axle.
Worn Rotor	Rotors should be replaced when thickness is 37 mm or less.	Refer to <a href="#">L949 Ready-To-Roll</a> , for rotor part number.
Cracked rotor	Rotor should be replaced if cracks extend more than 75% across the friction face or completely through the rotor to the center vent from either side.	Refer to <a href="#">L949 Ready-To-Roll</a> , for rotor part number.

**IMPORTANT:** Hendrickson does not recommend reusing fasteners. **DO NOT APPLY** anti-seize compound or additional lubricant to fastener threads. Refer to [T71004 Hub and Rotor Assembly Caliper Mounting Procedures](#) for mounting screws torque value and sequence.

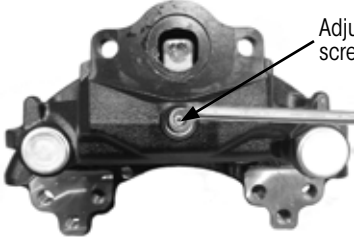
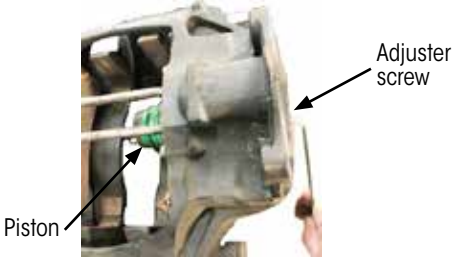
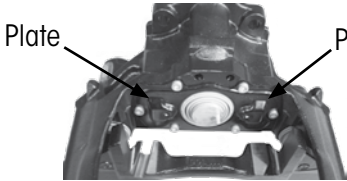
 **CAUTION:** DO NOT lift an ADB caliper assembly by the brake pad retainer bracket.

**NON-SERVICEABLE** A caliper must be scrapped if any of the following conditions exist:

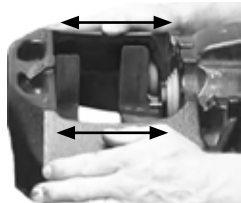


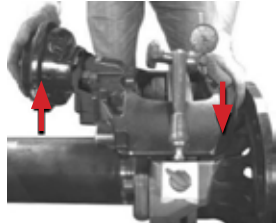
CONDITION	EXAMPLE	SPECIFICATION
Torn piston boot.		No rips or tears. Piston boot must be fully seated to prevent contamination ingress.
Corrosion on piston screw threads.		Scrap if any corrosion is visible on the piston screw threads.
Pound-out on carrier.		Scrap if depth of groove catches on fingernail.
Retaining bar holes elongated.		Scrap if holes are > 12 mm.
Corrosion on adjuster lever arm (interface with chamber push rod).		Scrap if any corrosion is visible on the adjuster arm.
Adjuster lever arm does not move freely.		Scrap if adjuster lever arm is stuck in any position or if it does not move freely.
Piston does not extend when adjuster lever arm is actuated.		Scrap if piston does not extend when adjuster arm is pressed in.



**NON-SERVICEABLE** A caliper must be scrapped if any of the following conditions exist:

CONDITION	EXAMPLE	SPECIFICATION
Adjuster screw does not move when using an 8 mm wrench.		Scrap if adjuster screw will not turn when using wrench.
Piston does not extend or retract when adjuster screw is turned.		Scrap if piston does not react when adjuster screw is turned.
Plate removed		Scrap if plate is removed.

**SERVICEABLE** If the above conditions do NOT exist, then the caliper may be serviced for the conditions below.

CONDITION	EXAMPLE	SPECIFICATION
Caliper does not slide freely on the guide pins.		Use kit S-35303-4 to replace guide pins and guide pin boots.
Guide pin caps are punctured, dislodged, or missing.		Use kit S-35303-4 to replace guide pins and guide pin boots.
Guide pin boots are missing, ripped, torn, or dislodged.		Use kit S-35303-4 to replace guide pins and guide pin boots.
Excessive movement in the caliper bushings.		Use kit S-35303-4 to replace guide pins and guide pin boots.

Call Hendrickson at **866.RIDEAIR (743.3247)** for additional information.



[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

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