

Section 40-13 Toe Brake Troubleshooting Guide

Complaint	Possible Cause	Remedy
One or both toe brakes fail to hold	Air in the brake system	Inspect system for leaking fitting and repair. Bleed brake system in accordance Brake Bleeding Procedure on page 74 of this chapter.
	Leak in the brake system fittings	Repair leak Bleed brake system in accordance Brake Bleeding Procedure on page 74 of this chapter.
	Brake pedal master cylinder fault	Replace master cylinder Bleed brake system in accordance Brake Bleeding Procedure on page 74 of this chapter.
	Brake pads worn to limits or contaminated	Replace brake pads Bleed brake system in accordance Brake Bleeding Procedure on page 74 of this chapter.
	Brake disc worn below limit	Replace disc
Parking brake fails to hold	Air in the brake system	Inspect system for leaking fitting and repair. Bleed brake system in accordance Brake Bleeding Procedure on page 74 of this chapter.
	Parking brake valve fault	Replace valve Bleed brake system in accordance Brake Bleeding Procedure on page 74 of this chapter.
	Leak in the parking brake system fittings	Repair leak Bleed brake system in accordance Brake Bleeding Procedure on page 74 of this chapter.
	Brake pads worn to limits	Replace brake pads Bleed brake system in accordance Brake Bleeding Procedure on page 74 of this chapter.

This completes the brake caliper operation check and inspection procedure.

Section 40-21 **Main Wheel Caliper System Troubleshooting Guide**

Complaint	Possible Cause	Remedy
Calipers do not hold	Liner worn below limits Liner damaged	Replace liners
	Liners not conditioned	Perform liner conditioning procedure in accordance with Liberty Maintenance Manual Chapter 32-Landing Gear
	Disc worn below limits	Replace disc
	Leaking hydraulic fitting	Tighten fitting
	Air in brake system	Bleed brake system in accordance with Liberty Maintenance Manual Chapter 32-Landing Gear
Disc below limits for thickness or coning	In service wear Corrosion	Replace Disc
Caliper frozen	Anchor pins binding	Remove caliper and clean assembly
	Piston binding	Remove caliper and overhaul in accordance with manufactures directions.