

Brake Caliper Testing Load Washer

Industry: Automotive and Vehicle

Summary

Customer Challenge

A brake caliper is a component in a disc brake system that houses the brake pads and applies pressure to them, causing them to clamp onto the brake disc or rotor. Over time, the caliper changes due to factors like aging, temperature fluctuations, and environmental conditions. As a result, it becomes crucial to continuously calibrate and test calipers to ensure optimal braking performance and vehicle safety.

Interface Solution

Interface's LW General Purpose Load Washer Load Cell is placed between the piston and brake pad of the caliper. A brake pad test is conducted and the data collected from the LW is displayed, graphed, and logged on the customer's PC when connected to the SI-USB4 4-Channel USB Interface Module.

Results

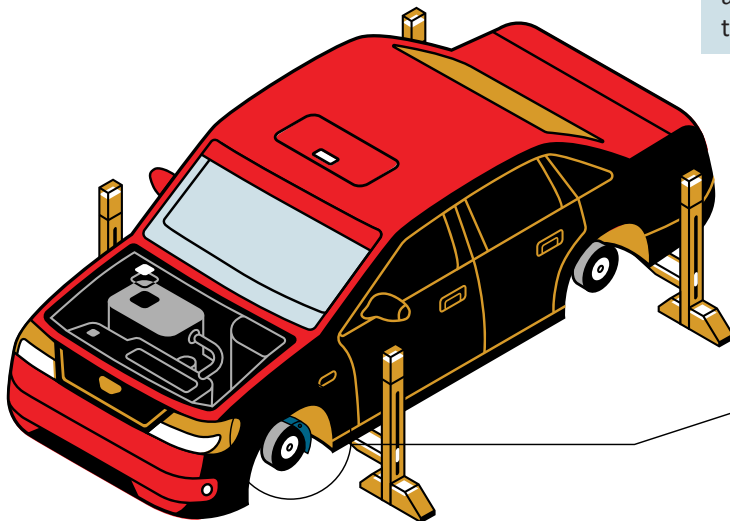
Interface's LW General Purpose Load Washer Load Cell was the perfect solution to measuring and testing the caliper's clamp force, ensuring braking capabilities and vehicle safety.

Materials

- LW General Purpose Load Washer Load Cell
- SI-USB4 4-Channel USB Interface Module
- Customer PC or Laptop

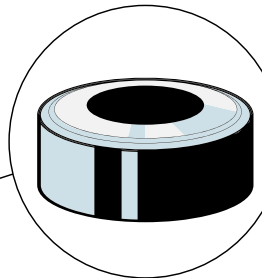
How It Works

1. The LW General Purpose Load Washer Load Cell is placed between the piston and brake pad of the caliper of the car undergoing a brake pad test.
2. The brake pad test is conducted.
3. The force data collected from the LW is displayed, graphed, and logged on the customer's PC or laptop when connected to the SI-USB4 4-Channel USB Interface Module.

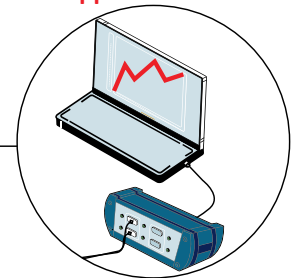


Brake caliper being tested

LW General Purpose Load Washer Load Cell



Customer PC with supplied software



SI-USB4 4-Channel Interface Module