

Pedal Assembly User Manual

ME 498 - Spring 2021

Latest Revision: 05/19/2021

Prepared by: Herbert Atwater

User Manual

Brake Caliper

These are typical brake calipers, and will therefore need to be willed with brake fluid and bled of all air. This is more a job for brakes, however you will likely work closely with them and should be informed as well. There are snap rings which hold in the components of the caliper together, these can be broken fairly easily and have been replaced in the past.

Pivot Pin

Perhaps the most important thing to write about in this manual is the Brake Bias Pivot Pin, while most everything else is mostly mechanical and self explanatory, this Pivot pin is held inside the brake pedal, and can be adjusted so that a differing force is applied to each side of the brake pedal, which means that differing brake forces will be sent to each Caliper. This is easily done by simply screwing out the Pivot pin held in the brake pedal one way or another, it acts like moving the fulcrum underneath a seesaw, making it uneven so one side needs to exert more force.

BOT Switch

_____It is essential that the BOT switch be tightened down to stay in position so that the brake pedal will hit it, and thereafter, hit the mechanical stop, so as to not destroy the BOT switch. This switch is reset by pulling the small black rod on top of it.