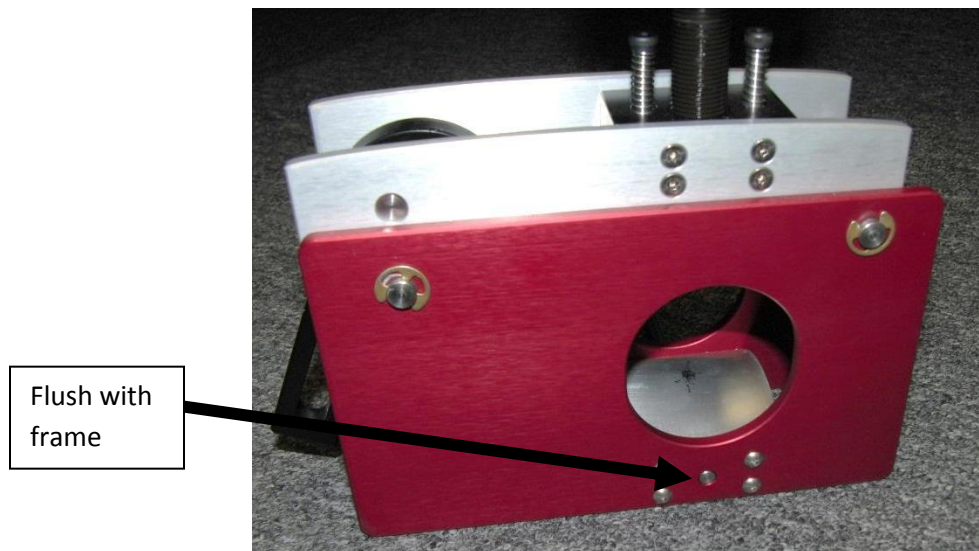
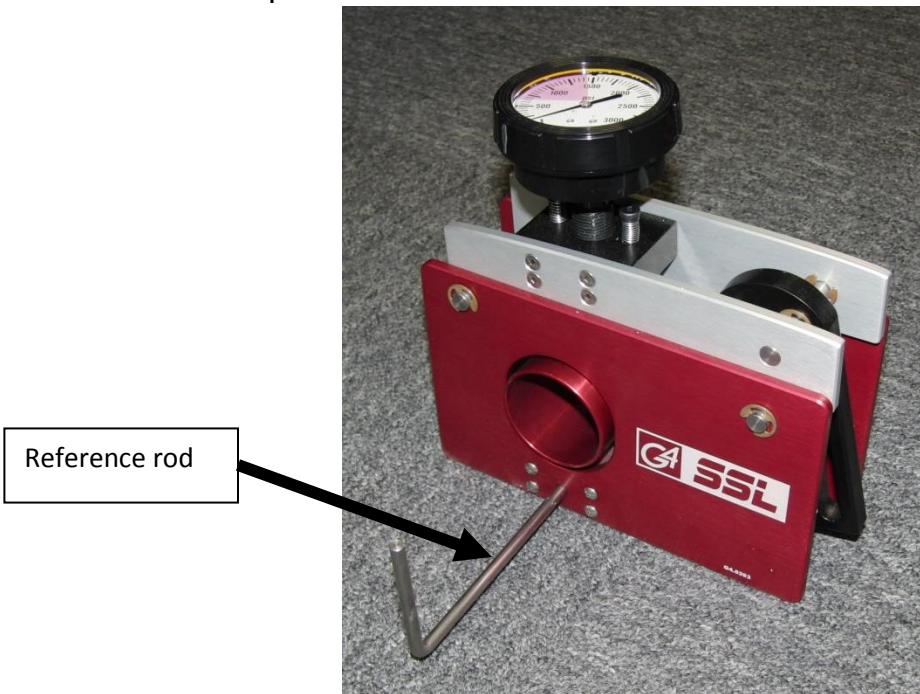


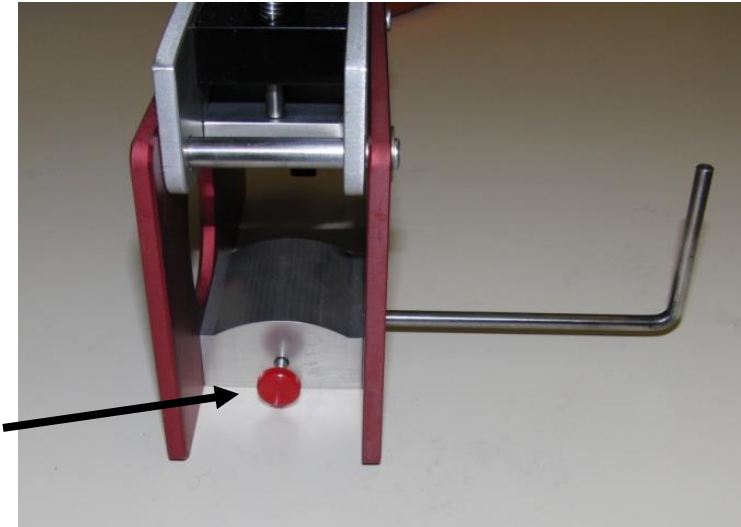
G4 SSL (ASA model) Barrel Compression Fixture Instructions

Assembly

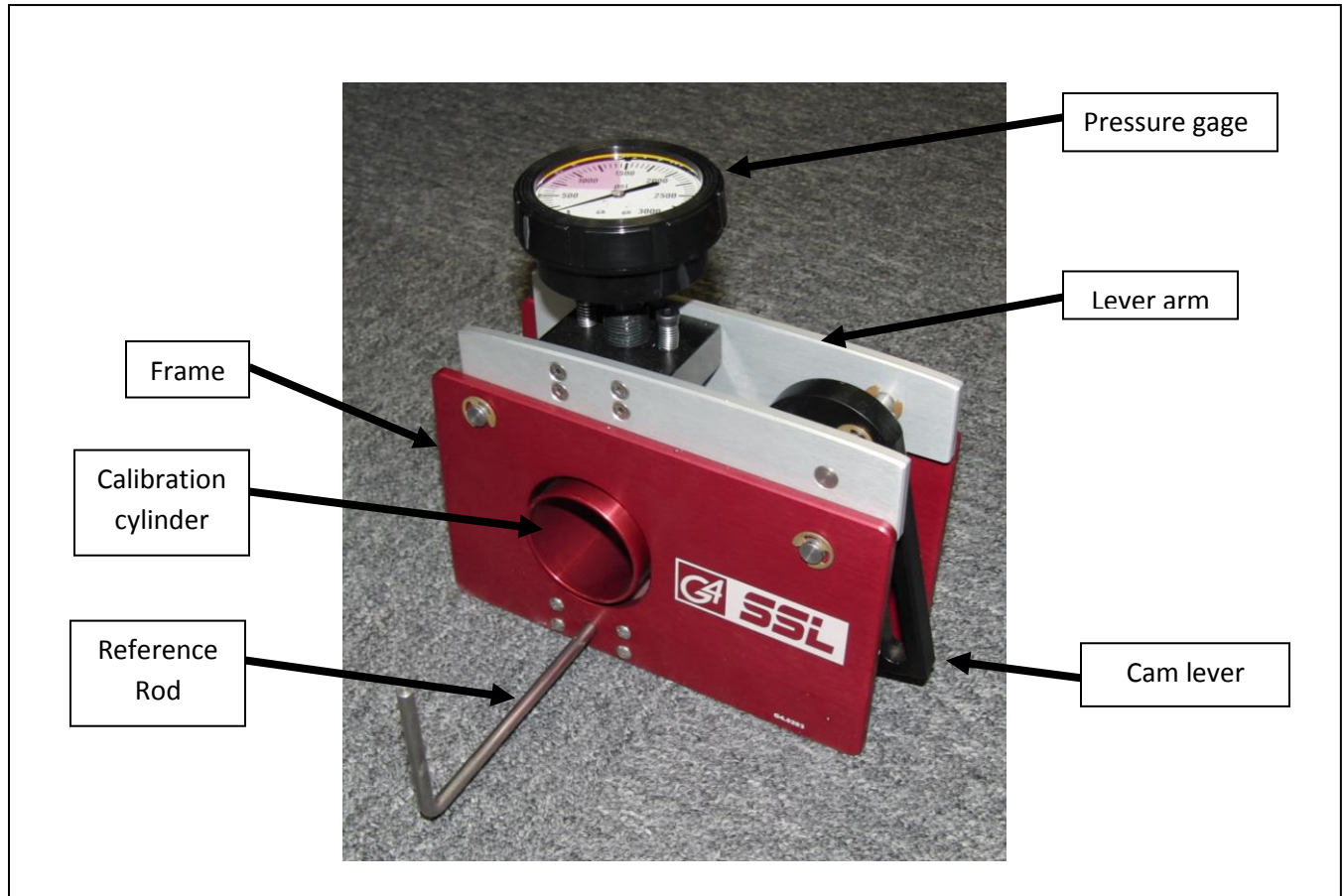
Step 1: Insert reference rod through the small hole on the frame. The end of the rod should be flush with the opposite side of the frame. This will ensure bat compressions are at the 6 inch location.



Step 2: Hand tighten the setscrew to ensure the reference rod does not rotate.



Testing the barrel compression of a bat



Step 1: Insert a softball bat through the 2.5" diameter hole in the frame until the end of the barrel touches the reference rod (also place the calibration cylinder between the handle of the bat and the table to keep the bat level with the fixture).

Step 2: Apply a preload by rotating the pressure gage clockwise until the pressure reads 500psi. This will ensure good contact with the bat and the anvils. **Make sure the cam lever is in the full down/vertical position. IMPORTANT -- Grease cam lever slot every 1000 cycles.**



Step 3: Compress the barrel by pulling the cam lever to the up/horizontal position until the lever locks in place.



If the compression is within the red zone (below 1550psi for Fast Pitch leagues or below 1450psi for Slow Pitch leagues), the barrel compression fails.



-2013 detailed image of Portable Barrel Compression Fixture decal-

(To save time the test can be stopped as soon as the compression reading passes the red zone; i.e. before the lever is completely in the up/horizontal position.)

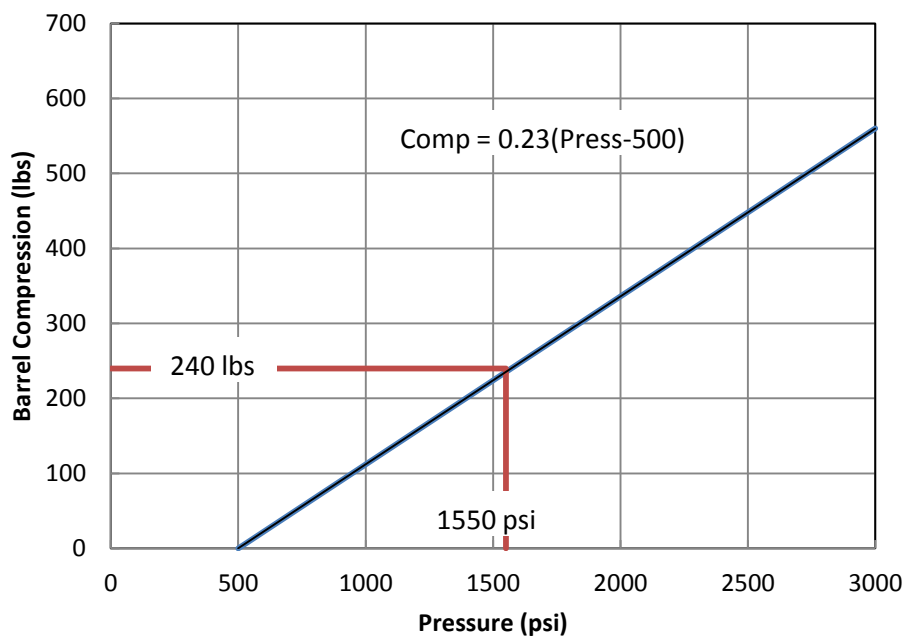
Calibration

To ensure the compression fixture is working properly, compress the accompanying red anodized cylinder. The cylinder should compress to the pressure engraved on it.

If the compression is above or below the allowable pressure check that:

1. The cylinder is level on the anvil
2. The compression is being measured in the middle of the cylinder
3. The cylinder is not touching the sides of the frame
4. The cam lever is in the down/vertical position when the 500 psi preload is applied.

Below is a plot to correlate the fixture pressure to barrel compression



Visit barrelcompression.com for additional help and operator manual updates.