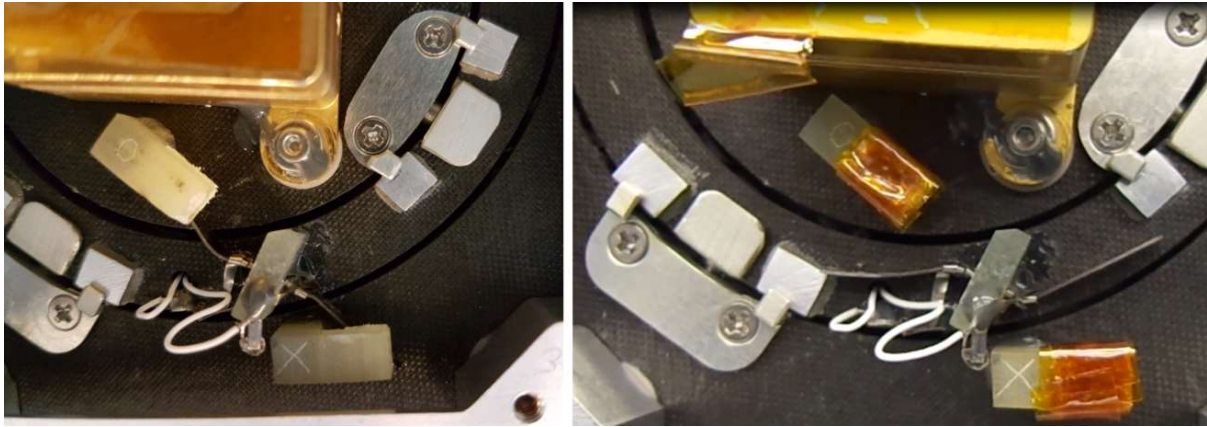




*Figure 4, launch-lock for the smart panel based on an SMA beam that blocks the gimballed ring and disc during launch (left). When heated the SMA beam returns to its pre-programmed S-shape releasing the lock (right)*