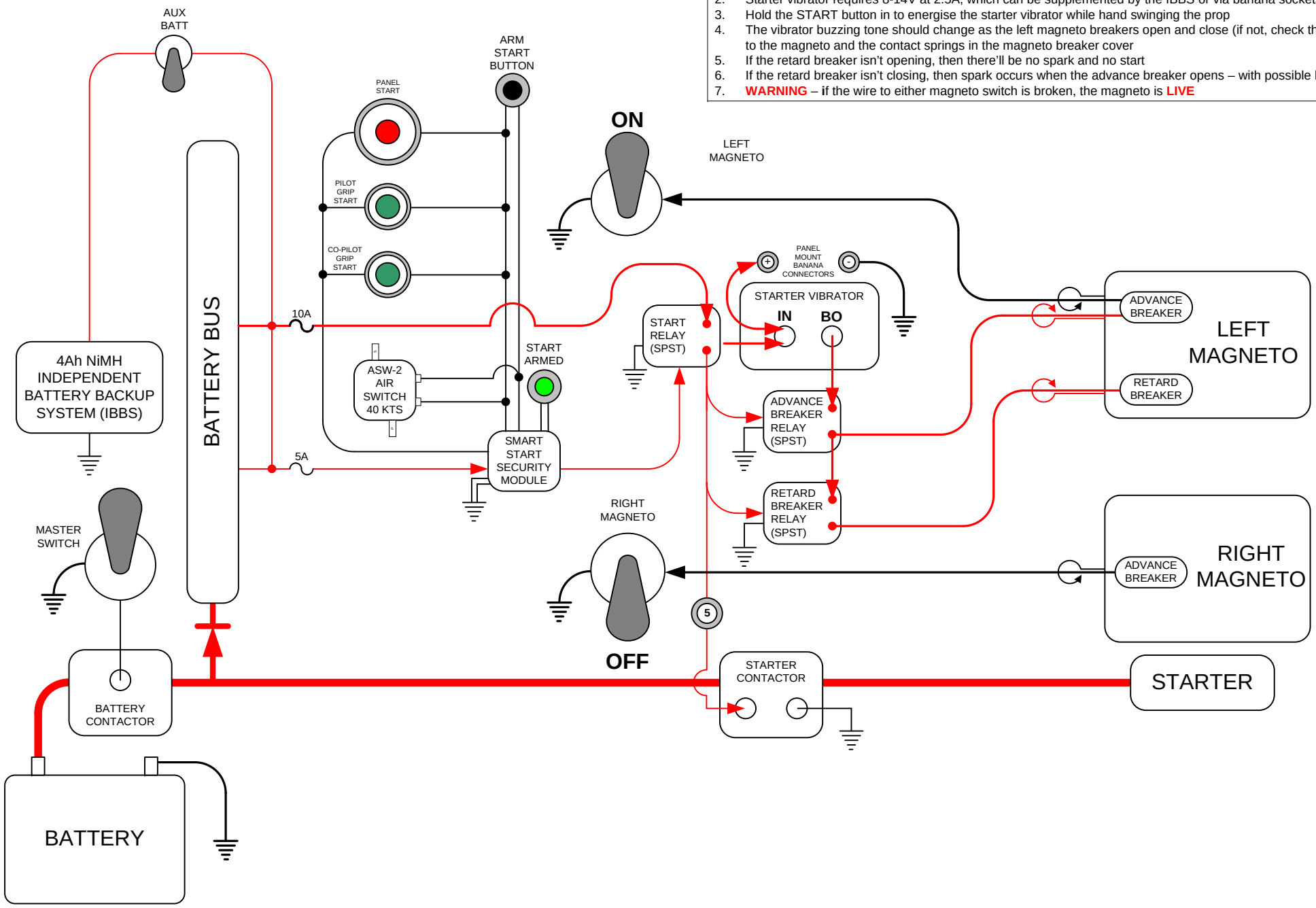
Notes for a hand swing engine start:

1. **WARNING** – disable the starter contactor via the in-line circuit breaker before commencing procedure
2. Starter vibrator requires 8-14V at 2.5A, which can be supplemented by the IBBS or via banana sockets
3. Hold the START button in to energise the starter vibrator while hand swinging the prop
4. The vibrator buzzing tone should change as the left magneto breakers open and close (if not, check the wiring to the magneto and the contact springs in the magneto breaker cover
5. If the retard breaker isn't opening, then there'll be no spark and no start
6. If the retard breaker isn't closing, then spark occurs when the advance breaker opens – with possible kickback
7. **WARNING** – if the wire to either magneto switch is broken, the magneto is **LIVE**