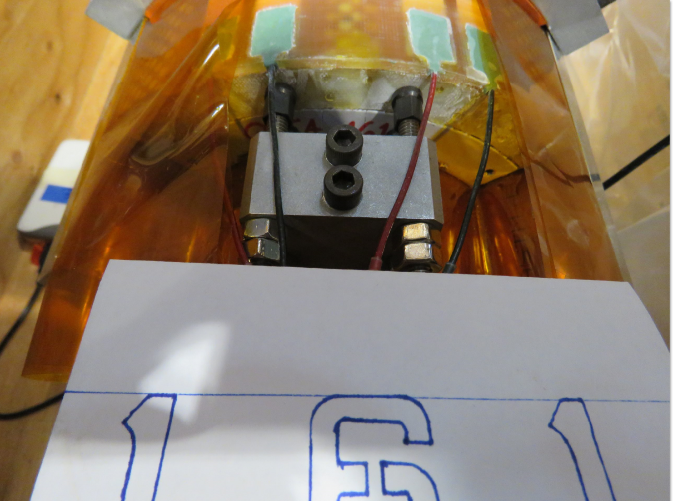
## Non-Conformance Reports and Deviations for the Magnet Structure

Several non-conformities were recorded for the MQXFA18 magnet structure. A summary is shown in Table 5.9.

Table 5.9: Magnet structure NCRs

| **NCR/DEV#** | **NCR Description** | **NCR Criticality** | **Disposition** |
| --- | --- | --- | --- |
| MQXFA-NCR-0665 | Coil 243: red flashing light on RE GP1L accelerometer; RE slamstick not on  Coil 244: red flashing light on RE GP1L | Non-critical | Accepted (data checked by Maria) |
| MQXFA-NCR-0688 | Coil 246: red flashing light on LE GP1L | Non-critical | Accepted (awaiting Maria’s check) |
| MQXFA-NCR-0670 | Coils 160/161: Additional freight in shipping trailer | Non-critical | Accepted (no damage/interaction observed) |
| MQXFA-NCR-0671 | Coils 160/161:  - Slight wire abrasion (insulation not compromised) on unrestrained RE PH wires  - Epoxy on leads not trimmed to ½”  - Abrasion on Coil 161 NbTi lead from cardboard tube mounting screw | Critical | Accepted (wires will receive fiberglass sleeving, lead epoxy will be trimmed) |
| MQXFA-NCR-0700 | Coil 243/244: Protruding epoxy plugs | Non-critical | Reworked (chipped away) |
| MQXFA-NCR-0701 | Coil 154:  - 2 Shockwatches tripped  - Unrestrained RE PH wires  - Epoxy on leads not trimmed to ½” | Non-critical | Accepted (wires will receive fiberglass sleeving, lead epoxy will be trimmed) |
| MQXFA-NCR-0702 | Coil 246: 3 protruding metal pins | Non-critical | Accepted (will modify pole keys to match) |

****

