**Mechanical Archer  
Control Box Data Port Testing**

**Output Testing**

Tested directly on control box:

|  |  |  |  |
| --- | --- | --- | --- |
| **Output being tested** | **Pin 1** | **Pin 2** | **Pin 3** |
| Draw | H | L | L |
| Reset | L | H | L |
| Fire | L | L | H |

Tested through the data cable

|  |  |  |  |
| --- | --- | --- | --- |
| **Output being tested** | **Pin 1 voltage** | **Pin 2 voltage** | **Pin 3 voltage** |
| Draw | H | L | L |
| Reset | L | H | L |
| Fire | L | L | H |

**Input Testing**

Tested directly on control box:

|  |  |  |
| --- | --- | --- |
| **Input** | **High input** | **Low input** |
| fOptic | H | L |
| rOptic | H | L |
| fBump | H | L |
| rBump | H | L |
| eStop | H | L |

Tested through the data cable:

|  |  |  |
| --- | --- | --- |
| **Input** | **High input** | **Low input** |
| fOptic | H | L |
| rOptic | H | L |
| fBump | H | L |
| rBump | H | L |
| eStop | H | L |