FINAL PRODUCT BREAKDOWN

# TEAM: 20F15 Northrop Grumman

## Due Date: Friday, April 23rd, 2021

Images of the current state of the team’s completed system:

A picture containing person, floor, indoor, tool

Description automatically generatedA person holding a guitar

Description automatically generated with low confidence

The following are the Action Items each person completed between Hardware Review 2 and the completion of the final product:

Team Member: Timothy Anderson

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| Action Item | **Date Completed** | **Result/Proof of Completion** |
| Helped assemble device into testing jig and test functionality | 4/6/21 |  |
| Made adjustments to pin | 4/12/21 |  |
| Updated all drawings and bill of materials for final CAD package | 4/21/21 |  |

Team Member: Alex Soto

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| Action Item | **Date Completed** | **Result/Proof of Completion** |
| Finished the Pin in Machine Shop | 4/5/21 |  |
| Assembled the device into the Testing Jig at Sam’s House | 4/15/21 |  |
| Kept team informed about our client meetings due to the Kaitlyn taking over for Daniel. | 4/23/21 |  |

**Team Member: Jake West**

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| Action Item | **Date Completed** | **Result/Proof of Completion** |
| Final Assembly in the testing jig | 4/15/21 |  |
| Functional testing with testing jig at Sam’s house | 4/15/21 |  |
| Thermal testing of the shaft and bolt assembly | 4/15/21 |  |

Team Member: Andrea Hernandez

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| Action Item | **Date Completed** | **Result/Proof of Completion** |
| Continued jig assembly and began installation of product to then complete functional testing. Adjusted housing via fillet additions to make installation easier. | 4/6-15/2021 | ImageImage |
| Updated website to show ugrads presentation and other new documents. | 4/14/2021 |  |
| Completed the vibration testing via the options we had. | 4/18/2021 |  |

Team Member: Sam Mangialardi

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| Action Item | **Date Completed** | **Result/Proof of Completion** |
| Final assembly of device inside the test jig with notes taken on installation and uninstallation | 4/15/21 |  |
| Functional testing of device inside of test jig | 4/15/21 |  |
| Vibration testing with test jig in the back of my car. Testing done with and without door | 4/18/21 |  |

Team Member: Michael Wilson

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| Action Item | **Date Completed** | **Result/Proof of Completion** |
| Fixing fit of device into fairing for proper installation. | 4/6/21 |  |
| Assisted with final assembly of test jig and functional testing | 4/12/21 |  |
| Assisted with installation of device into test jig for vibrations testing. | 4/15/21 |  |