

INSPECTOR STATEMENT

Narrative Statement:

I performed oversight of the testing of components, associated with Bombardier Challenger 300 N557XJ un-commanded pitch event which occurred on July 27, 2022. All testing was performed in Cedar Rapids Iowa at Collins Aerospace facilities.

On November 09, 2022 Collins Aerospace technicians performed testing of flight guidance system computers FGC-3002 s/n 28G4Y and s/n 2RVFT.

On November 10, 2022 Collins Aerospace technicians performed testing of the SVO-3000 s/n 4LKTR Pitch Servo and SMT-65 s/n 1GP2H Servo Mount.

Prior to testing I examined the boxes that contained the components. The boxes were sealed with all shipping tags and placards intact with no indications of being opened prior to the testing.

Collins Aerospace Document Number IER 022-009 plans 1, 2 and 3 were utilized to perform the testing of the components and results were forwarded to the NTSB inspector Eleazar Nepomuceno. All tests performed on the FGC-3002 and SVO-3000 units met the testing requirements of the IER 022-009.

The Servo Mount test locking fixture was not available the technician utilized a makeshift locking fixture to perform the test. The test measurements exceeded the Capstan clutch torque values of the IER-022-009.

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11/14/2022