

Incoming Evaluation:

- As necessary, fly to measure elevator average displacement out of stream, to log speeds, and to check rigging.
- Measure elevator asymmetry and trim asymmetry.

As necessary to correct for common mode out-of-stream:

- Remove stinger, rudder, and upper fin.
- Disconnect trim and raise horizontal empennage assembly onto maintenance stands.
- Inspect re lower fin re SB 112-56B or SB 114-12C.
- Inspect rudder spar re SL 114-17.
- Inspect stab aft attach fittings.
- Replace elevator push tube bearings as necessary.
- Modify stab forward attach fitting.
- Install stab incidence STC Doubler.
- Re-install stab at +1.5° AOA.

As necessary to correct for elevator asymmetry:

- Remove elevators and elevator horn assembly.
- Inspect elevators i.a.w. AD 2011-07-13.*
- Replace elevator spars if cracked.*
- Install 44285-RE2 outboard hinge fittings if requested.*
- Weld horn assembly arm doublers onto elevator horn assembly.
- Jig elevators symmetry and match drill doublers.
- Re-install horn assembly and elevators to affirm elevator symmetry.
- Remove elevators and horn assembly, again.
- Strip, blast, prep, and paint horn assembly.
- Re-install horn assembly.
- Replace elevator hinge bushings and bearings as necessary.
- Re-install elevators and rig elevator deflections.
- Re-attach trim control, and re-rig trim tabs for symmetry and deflections.
- Fit, paint, and install STC stab root fairings.

Pre-Rig Evaluation, Rig, and Final Evaluation:

- Rig gear doors and cowl flaps, reset aileron tabs, if any, to neutral.
- Fly to check rigging.
- Rig flaps, ailerons, and aileron tabs if any.
- Fly to log streamlining and speed results.
- File Forms 337 as necessary.

* Extra charges may apply.