



## RWMI DHC-6 RE-LIFE FLIGHT CONTROLS™

### PROVIDING NEW STRUCTURAL LIFE LIMITS FACT SHEET

**PRODUCT:** RWMI DHC-6 Re-Life Flight Controls™

**APPLICABILITY:** Viking de Havilland DHC-6-100, -200, and -300 Twin Otter Airplanes

**AUTHORIZATIONS:** United States FAA STC No. SA02457LA, Canada STC No.SA14-62  
EASA STC No. 10048528

**DESCRIPTION:** The RWMI DHC-6 Re-Life Flight Controls™ are FAA approved, re-manufactured flight controls with all fatigue critical components replaced. The result is “zero-timed” flight controls with new service life limits of 66,000 hours or 132,000 flight cycles, the equivalent of factory-new equipment.

RWMI DHC-6 Re-Life Flight Controls™ are FAA/PMA approved (PQ2142NM) replacement assemblies for Viking Air Limited (formerly Bombardier Inc. or de Havilland Inc.) flight controls as listed below.

<b>FLIGHT CONTROL ASSEMBLY:</b>	<b>ORIGINAL PART NUMBER:</b>	<b>IKHANA PART NUMBER:</b>
Aileron Assy, LH	C6WA1001-1, C6WA1003-1	FC00-WA1001-101
Aileron Assy, RH	C6WA1001-3, C6WA1003-3	FC00-WA1001-103
Inboard Forward Flap Assy, LH	C6WF1002-1, C6WF1002-3	FC00-WF1002-101
Inboard Forward Flap Assy, RH	C6WF1002-2, C6WF1002-4	FC00-WF1002-102
Inboard Trailing Flap Assy, LH	C6WF1003-1, C6WF1003-3	FC00-WF1003-101
Inboard Trailing Flap Assy, RH	C6WF1003-2, C6WF1003-4	FC00-WF1003-102
Outboard Forward Flap Assy, LH	C6WF1004-1, C6WF1004-3	FC00-WF1004-101
Outboard Forward Flap Assy, RH	C6WF1004-2, C6WF1004-4	FC00-WF1004-102
Elevator Assy, LH	C6TE1001-9,C6TE1001-11, C6TE1001-13	FC00-TE1001-101
Elevator Assy, RH	C6TE1001-3, C6TE1001-7, C6TE1001-15	FC00-TE1001-103
Rudder Assy	C6TR1000-1	FC00-TR1000-101

**MODIFICATION STATUS:** RWMI DHC-6 Re-Life Flight Controls™ include the following modifications:

- Mod. No. 6/1100 - Structural improvements for aircraft with 12,500 lb. all-up weight.
- Mod. No. 6/1135 - Reinforce LH rear spar to preclude possibility of elevator trim tab flutter.
- Mod. No. 6/1142 - Improve skin clamping along front spar - Brazier head rivets introduced in lieu of counter-sunk type.
- Mod. No. 6/1769 - Provides lateral stiffening of root rib and adjacent nose rib.

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Information subject to change without notice. 1504

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