SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
Chapter 31 – Instruments																	
1.	Instrument Panels	Condition and security; bonding wires for condition and security. (Card 23–01)						X			X			X			X
2.	Vibration Isolators	Security. (Card 30–03)									X						X
3.(1)	Primary Flight Display Units (KDU 1080 or KDU-1080-2) Pilot/Co-pilot (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18a)					X		X		X		X		X		X
3.(2)	Primary Flight Display Units (KDU 1080 or KDU-1080-2) Pilot/Co-pilot (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19a)					X		X		X		X		X		X
3.a.(1)	Primary Flight Display Controller (KMC 2210) Pilot/Co-pilot (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18b)					X		X		X		X		X		X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
3.a.(2)	Primary Flight Display Controller (KMC 2210) Pilot/Co-pilot (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19b)					X		X		X		X		X		X
4.(1)	Multi Function Display Units (KDU 1080) Upper/Lower (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18c)					X		X		X		X		X		X
4.(2)	Multi Function Display Units (KDU 1080) Upper/Lower (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19c)					X		X		X		X		X		X
4.a.(1)	Multi Function Display Controller (KMC 2220) Pilot (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18d)					X		X		X		X		X		X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
4.a.(2)	Multi Function Display Controller (KMC 2220) (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19d)					X		X		X		X		X		X
5.(1)	Flight Controller (KMC 9200) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18e)					X		X		X		X		X		X
5.(2)	Flight Controller (KMC 9200) (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19e)					X		X		X		X		X		X
6.(1)	Reversion Control Panel for Displays (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18f)					X		X		X		X		X		X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
6.(2)	Reversion Control Panel for Displays (Mod 6/2049)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19f)					X		X		X		X		X		X
6.(3)	Reversion Control Panel for Displays (Mod 6/2049)	Reversion control panel switch operational test. (Card FUN–A8)		X													
7.(1)	ESIS - Display (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18g)					X		X		X		X		X		X
7.(2)	ESIS - Display (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19g)					X		X		X		X		X		X
7.a.(1)	ESIS - Battery (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18h)					X		X		X		X		X		X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
7.a.(2)	ESIS - Battery (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Inspect grounding of unit wiring bundle shield braid to airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19h)					X		X		X		X		X		X
7.a.(3)	ESIS - Battery (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Periodic battery check. (Card SP2–N1)					**Every 1000 hours or 3 months whichever occurs first**										
7.a.(4)	ESIS - Battery (Mod 6/2049, Pre Mod 6/2170) (Post Mod 6/2170) (Mod SOO 6209)	Battery capacity test. (Card SP2–N2)					**Every 3000 hours or 12 months whichever occurs first**										
7.b.(1)	ESIS - Magnetometer (Mod 6/2049) (Mod SOO 6209)	Condition and security; bonding wires for condition and security of attachment. (Card 20–19a)					X		X		X		X		X		X
7.b.(2)	ESIS - Magnetometer (Mod 6/2049) (Mod SOO 6209)	Inspect bonding of the mating surfaces between the magnetometer mounting feet and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 20–19b)					X		X		X		X		X		X

NOTE: Please see the TEMPORARY REVISION that revises this page.

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
7.c.	ESIS (Mod 6/2049) (Mod SOO 6209)	Altimeter System Test (Card SP2–N8)					**Every 24 months or in accordance with Local Regulatory Authority**										
7.d.	ESIS	Operational test. (Card RA–OPR-6)	X														
7.e.	ESIS	Calibration check. (Card SP2–N7)					**Every 12 months or in accordance with Local Regulatory Authority**										
8.(1)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18i)					X		X		X		X		X		X
8.(2)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Inspect bonding of the mating surfaces between the MAU mounting tray and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19i)					X		X		X		X		X		X
8.(3)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Verify ferrite beads are installed on the LAN wires inside the backshells of all the NIC's (bead P/N is a Ferronics 21–727–B). (Card 16–19k)					X		X		X		X		X		X
8.(4)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Visually inspect the mesh covering the air intake for dust and debris. Clean as required. (Cards 16–19l, SP1–G9)					X		X		X		X		X		X

VIKING – Temporary Revision

PSM NO.: 1–6–7 **AIRCRAFT:** DHC-6 **SERIES:** ALL

PUBLICATION: Inspection Requirements Manual **TEMPORARY REVISION NO.:**217

Insert in Basic Inspection – 31 after Page 6

THIS TEMPORARY REVISION SUPERSEDES TR 197

BASIC INSPECTION 31

This Temporary Revision has been approved under the authority of the Design Approval Organization, DAO #04-V-02.

Date 26 MARCH 2018 Signed DE06

REASON FOR ISSUE:

1. To the change the EMMA cross reference number for the ESIS Altimeter System Test.
2. To add Cockpit Voice Recorder (CVR) Function Test.
3. To update Cockpit Voice Recorder (CVR) intelligibility test, and Flight Data Recorder FDR) correlation checks.

ACTION:

In BI-31, ignore the existing Pages 6 to 9; Remove and destroy Temporary Revision 19 and insert revised pages, as shown on Pages 2 to 5 of this Temporary Revision.

— Continued overleaf —

RECORDING INSTRUCTIONS:

Record this Temporary Revision No. and the relevant information in the appropriate columns of the TEMPORARY REVISION INDEX provided at the front of the manual.

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
7.c.	ESIS (Mod 6/2049) (Mod SOO 6209)	Altimeter System Test (Card SP2–N9)					**Every 24 months or in accordance with Local Regulatory Authority**										
7.d.	ESIS	Operational test. (Card RA–OPR-6)	X														
7.e.	ESIS	Calibration check. (Card SP2–N7)					**Every 12 months or in accordance with Local Regulatory Authority**										
8.(1)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18i)					X		X		X		X		X		X
8.(2)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Inspect bonding of the mating surfaces between the MAU mounting tray and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19i)					X		X		X		X		X		X
8.(3)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Verify ferrite beads are installed on the LAN wires inside the backshells of all the NIC's (bead P/N is a Ferronics 21–727–B). (Card 16–19k)					X		X		X		X		X		X
8.(4)	Modular Avionics Unit MAU 1 (Mod 6/2049)	Visually inspect the mesh covering the air intake for dust and debris. Clean as required. (Cards 16–19l, SP1–G9)					X		X		X		X		X		X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
8.a.(1)	MAU Power Supplies (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18j)					X		X		X		X		X		X
8.a.(2)	MAU Power Supplies (Mod 6/2049)	Inspect bonding of the mating surfaces between the MAU power supply mounting tray and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19j)					X		X		X		X		X		X
9.(1)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Condition and security; bonding wires for condition and security of attachment. (Card 18–8a)					X		X		X		X		X		X
9.(2)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Inspect bonding of the mating surfaces between the CVR unit and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–8b)					X		X		X		X		X		X
9.(3)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	ULB periodic system check. (Card SP2–N3)					**Every 3000 hours or 12 months whichever occurs first**										

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											D or 12
						1	2	3	4	5	6	7	8	9	10	11	
9.(4)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Intelligibility test. (Card SP2–N5)		**As required by Local Regulatory Authority; however, not to exceed 5000 hours or 5 years, whichever occurs first Transport Canada Civil Aviation requirements every 3000 hours or 12 months, whichever occurs first**													
9.(5)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Function test. (Card SP2–N8)					**Every 12 months**										
10.(1)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Condition and security; bonding wires for condition and security of attachment. (Card 18–9a)					X		X		X		X		X		X
10.(2)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Inspect bonding of the mating surfaces between the unit and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–9b)					X		X		X		X		X		X
10.(3)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	ULB periodic system check. (Card SP2–N4)					**Every 3000 hours or 12 months whichever occurs first**										

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
10.(4)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Correlation check. (Card SP2–N6)		**As required by Local Regulatory Authority; however, not to exceed 5000 hours or 5 years, whichever occurs first Transport Canada Civil Aviation requirements every 3000 hours or 12 months, whichever occurs first**													
11.(1)	Data Acquisition Unit (DAU 1 & DAU 2) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–23a)					X		X		X		X		X		X
11.(2)	Data Acquisition Unit (DAU 1 & DAU 2) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–23b)					X		X		X		X		X		X
12.(1)	Master Warning and Caution Indication and Control (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 18–31)					X		X		X		X		X		X
12.(2)	Master Warning and Caution Indication and Control (Mod 6/2028)	Function test. (Power on). (Card FUN–B10)			X												
13.(1)	ECTM/FOQA (IONode 100) (SOO 6288)	Condition, security and corrosion; electrical wires and connectors for security of attachment. (Card 15–29)					X		X		X		X		X		X

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NOTE: Please see the TEMPORARY REVISION that revises this page.

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
8.a.(1)	MAU Power Supplies (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 16–18j)					X		X		X		X		X		X
8.a.(2)	MAU Power Supplies (Mod 6/2049)	Inspect bonding of the mating surfaces between the MAU power supply mounting tray and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 16–19j)					X		X		X		X		X		X
9.(1)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Condition and security; bonding wires for condition and security of attachment. (Card 18–8a)					X		X		X		X		X		X
9.(2)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Inspect bonding of the mating surfaces between the CVR unit and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–8b)					X		X		X		X		X		X
9.(3)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	ULB periodic system check. (Card SP2–N3)					**Every 3000 hours or 12 months whichever occurs first**										

NOTE: Please see the TEMPORARY REVISION that revises this page.

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
9.(4)	Cockpit Voice Recorder (CVR) (Mod 6/2049) (Mod SOO 6384)	Intelligibility test. (Card SP2–N5)					**Every 3000 hours or 12 months whichever occurs first**										
10.(1)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Condition and security; bonding wires for condition and security of attachment. (Card 18–9a)					X		X		X		X		X		X
10.(2)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Inspect bonding of the mating surfaces between the unit and the airframe structure (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–9b)					X		X		X		X		X		X
10.(3)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	ULB periodic system check. (Card SP2–N4)					**Every 3000 hours or 12 months whichever occurs first**										
10.(4)	Flight Data Recorder (FDR) (Mod 6/2049) (Post Mod 6/2332) (Mod SOO 6385)	Correlation check. (Card SP2–N6)					**Every 3000 hours or 12 months whichever occurs first**										
11.(1)	Data Acquisition Unit (DAU 1 & DAU 2) (Mod 6/2049)	Condition and security; bonding wires for condition and security of attachment. (Card 18–23a)					X		X		X		X		X		X

NOTE: Please see the TEMPORARY REVISION that revises this page.

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
11.(2)	Data Acquisition Unit (DAU 1 & DAU 2) (Mod 6/2049)	Inspect bonding of the mating surfaces between the mounting tray and the airframe (< 2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 18–23b)					X		X		X		X		X		X
12.(1)	Master Warning and Caution Indication and Control (Mod 6/2028)	Condition and security; bonding wires for condition and security of attachment. (Card 18–31)					X		X		X		X		X		X
12.(2)	Master Warning and Caution Indication and Control (Mod 6/2028)	Function test. (Power on). (Card FUN–B10)			X												
13.(1)	ECTM/FOQA (IONode 100) (SOO 6288)	Condition, security and corrosion; electrical wires and connectors for security of attachment. (Card 15–29)					X		X		X		X		X		X
13.(2)	ECTM/FOQA (IONode 100) (SOO 6288)	Function test. (Power on). (Card FUN–D6)					X		X		X		X		X		X
14. (1)	Quick Access Recorder (SOO 6356)	Condition, security and corrosion; electrical wires and connectors for security of attachment. (Card 18–39)					X		X		X		X		X		X

SYSTEM AND ITEM		INSPECTION REQUIREMENT	ROUTINE	A	B	C CHECK X 500 HOURS											
						1	2	3	4	5	6	7	8	9	10	11	D or 12
14. (2)	Quick Access Recorder (SOO 6356)	Function test. (Power on). (Card FUN–D8)					X		X		X		X		X		X
15. (1)	RIB Video Module (SOO 6212)	Condition, security and corrosion; electrical wires and connectors for security of attachment. (Card 15-30)					X		X		X		X		X		X
15. (2)	RIB Video Module (SOO 6212)	Inspect bonding of the mating surfaces between the unit and airframe (<2.5 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15-31a)					X		X		X		X		X		X
15. (3)	RIB Video Module (SOO 6212)	Inspect bonding of the mating surfaces between unit wiring backshells and airframe (< 5.0 milliohms). **Note** **HIRF/IEL/DEL inspection. Refer to Inspection Requirements, Page 7, Para 12 for details.** (Card 15-31b)					X		X		X		X		X		X
15. (4)	RIB Video Module (SOO 6212)	Function test. (Power on). (Card FUN–D11)					X		X		X		X		X		X