

# AgustaWestland AW 139 COMPATIBILITY REFERENCE HANDBOOK NVG

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## AgustaWestland AW, 139 COMPATIBILITY REFERENCE HANDBOOK NVG

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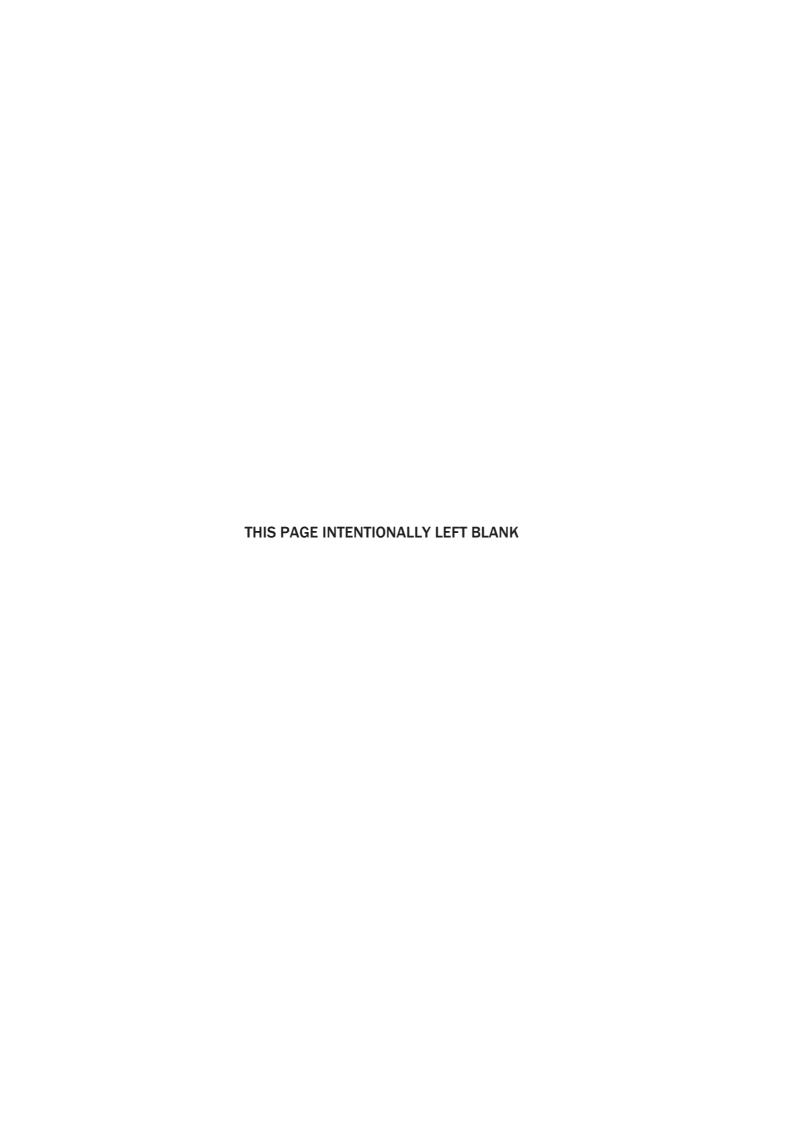
AW139 and AB139 are two commercial trademarks of the same Aircraft produced by the same Manufacturer.

They identify two batches of aircraft manufactured in conformity with a unique Type Certificate Data Sheet

- AB139 up to SN 31054;
- AW139 from SN 31055 onward.

Where not specifically declared, the content of this document is applicable to both AW139 and AB139 helicopters.

Continuing airworthiness criteria for AW139 is Developed and Maintained by Leonardo S.p.a., who is the holder of the Type Certificate in the state of Design.





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#### **REVISION HISTORY**

ISSUE	CHANGE DESCRIPTION	ISSUE DATE	EFFECTIVITY DATE
A	First issue	05/12/2008	18/12/2008
В	Minor corrections, typing error	05/10/2009	05/10/2009
С	Para 3 – Modified for not NVG compatible equipment Para 5 – Goggles; added Para 6 – Approved separation wall Appendix A – "Restrictions" updated for not NVG compatible equipment Appendix A – List of NVG compatible equipment updated Ref. NDC 3G3360-002	11/11/2009	22/11/2011
D	Update of the list of NVG sensitive kit according to NDC 3G3360-006, 3G3360-007 and 3G3360-008	27/07/2010	05/12/2011
E	Update of the list of NVG sensitive kit according to NDC 3G3360-009 and 3G3340-022	01/12/2010	05/12/2011
F	F Update of the list of NVG sensitive kit according to NDC 3G3360-010 and 3G4630-009  Update of the list of NVG sensitive kit according to NDC 3G3420-005, 3G3200-002; updated page 8.  Added goggles NL-93; Added kit P/N related to Enhanced Fuselage		05/12/2011
G			18/07/2012
н			09/10/2012
I	Update of the list of NVG sensitive kit according to NDC 139G2310-001, 139G3420-001, 139G3420-002, 139G3340-001, 139G3360-003, 139G3360-005, 139G3360-006, 3G9300-008.	06/12/2012	06/12/2012



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ISSUE	CHANGE DESCRIPTION	ISSUE DATE	EFFECTIVITY DATE
J	Update of the list of NVG sensitive kit according to NDC n° 139G3360-004, 139G9560-007, 139G2350-001, 139G3360-007, 3G5211-002, 139G3340-002, 139G3340-003, 139G3340-004	28/08/13	05/09/13
к	Update of the list of NVG sensitive kit according to NDC n° 139G9360-001	03/03/14	07/03/14
L	Update of the list of NVG sensitive kit according to NDC n° 139G9560-002	21/07/14	31/07/14
М	Update of the list of NVG sensitive kit according to NDC n° 139G3000-005	18/11/14	26/11/14
N	Update of the list of NVG sensitive kit according to NDC n° 139G2310-005, 3G7160-004	16/12/14	30/01/15
0	Update of the list of NVG sensitive kit according to NDC n° 139G4630-001, 139G4630-002	07/05/15	09/07/15
P	P Update of the list of NVG sensitive kit according to NDC n° 139G2350-003, 139G9380-001, 139G3360-008, 139G2310-004, 139G3420-003		30/07/15
Q	Update of the list of NVG sensitive kit according to NDC n° 139G3360-009, 139G3360-011	05/11/15	12/11/15
R	Update of the list of NVG sensitive kit according to NDC n° 139G9310-003, 139G4630-003, 139G93041-003, 139G9300-004, 139G6700-002	16/12/15	21/12/15
S	Update of the list of NVG sensitive kits according to NDC n° 139G3340-006, 139G3271-001, 139G3310-001, 139G4390-002.  Para. 2 – general review.  Para. 6 – note 1 corrected in accordance with NDC n°139G3360-007, 139G3360-008 and 139G3360-009.  Para. 7 – general review.  Appendix A – modified table 1 (title) and table 2 (format).	31/05/16	31/05/16



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ISSUE	CHANGE DESCRIPTION	ISSUE DATE	EFFECTIVITY DATE
Т	List of NVG sensitive kits updated according to NDC 139G9560-003.  Para. 6 – list of approved separation walls updated according to NDC 139G3360-014.  Appendix A – list of NVG compatible basic equipment (Table 1) updated.	08/07/2016	08/09/2016
U	List of NVG sensitive kits updated according to NDC 139G1830-004, 139G2100-002.	19/10/2016	24/11/2016
V	List of NVG sensitive kits updated according to NDC 139G2150-003, 139G2592-001.  Appendix A – tables 1 and 2 modified (typographical errors).	17/03/2017	02/05/2017
w	Para. 6 – list of approved separation walls updated according to NDC 139G3360-015. Updated list of NVG sensitive kits.	06/06/2017	06/06/2017
х	List of NVG sensitive kits updated according to NDC 139G3360-012, 139G4390-003, 139G3441-004 (including a correction due to a typographical error). Para. 6 – list of approved separation walls updated according to NDC 139G3360-016.	13/09/2017	14/12/2017
Υ	List of NVG sensitive kits updated according to NDC 139G2350-006, 139G2592-002, 139G3340-009, 139G3360-013.	23/05/2018	05/07/2018
z	List of NVG sensitive kits updated according to NDC 139G2310-017, 139G2310-020, 139G3340-008, 139G3340-010, plus minor clerical errors.	17/10/2018	20/11/2018
AA	List of NVG sensitive kits updated according to NDC 139G2310-021, 139G2350-008, 139G3130-002, 139G3360-017, 139G9300-006 and 139G9700-004.  Para. 6 – list of approved separation walls updated according to NDC 139G3360-018 and 139G3360-019.	16/04/2019	16/04/2019



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ISSUE	CHANGE DESCRIPTION	ISSUE DATE	EFFECTIVITY DATE
АВ	List of NVG sensitive kits updated according to NDC 139G2310-022, 139G2310-024, 139G2350-009, 139G3340-012, 139G3340-013, 139G3340-014.  Para. 6 – list of approved separation walls updated according to NDC 139G2580-004.	14/11/2019	14/11/2019
AC	List of NVG sensitive kits updated according to NDC 139G4600-003, 139G4390-007 and 139G9350-010.	21/09/2020	23/09/2020
AD	Appendix A – list of NVG compatible basic equipment (Table 1) updated according to NDC 139G3340-011.  AD List of NVG sensitive kits updated according to NDC 139G2580-005, 139G3340-011, 139G9350-012 and EO 149G07308.  List of NVG sensitive kits updated according to NDC 139G2310-027, 139G3441-006 and EO 149G06834.  List of NVG sensitive kits updated according to NDC 139G2310-030, 139G2350-012 and EO 139G91991.  Introduction of restrictions for NVIS operations without separation wall according to NDC 139G3360-021. List of NVG sensitive kits updated according to NDC 139G4600-006		22/09/2021
AE			16/06/2022
AF			22/11/2022
AG			30/01/2023
АН	Updated restrictions for NVIS operations without separation wall according to NDC 139G3360-021. Introduction of NVG White Phosphor according to NDC 139G3360-022 (updated paragraph 5 and inserted paragraph 8). List of NVG sensitive kits updated according to NDC 139G2580-006, 139G3360-020, 139G3040-002, 139G2310-031, 139G2310-008 and EO 149G05256.	20/12/2023	15/01/2024



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#### **DISTRIBUTION LIST**

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#### Appendix A - LIST OF NVG COMPATIBLE EQUIPMENT

- Table 1 List of NVG Compatible Basic Equipment
- Table 2 List of Approved NVG Sensitive Optional Kits





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#### 1 PURPOSE

The scope of the AW139 NVG Compatibility Reference Handbook is to keep trace of the AW139 Helicopter NVG configuration.

In particular, this document:

- provides the means to determine if a given AW139 configuration is compatible with NVG operations;
- provides information about how to manage the impact on NVG compatibility of deviations and no compliances.

#### 2 DEFINITIONS AND EXPLANATORY NOTES

The definition(s) presented here are additional to any which are otherwise applicable:

1 – NVG compatibility – An item or equipment is defined as "NVG compatible" when its installation on the helicopter does not affect the capability of the pilots to perform NVG operations. If a non NVG compatible item is installed on the aircraft, NVG operations on that aircraft are prohibited, unless the item is deactivated according to the instructions provided in this document.

When referred to the whole helicopter configuration, "non NVG compatible" means that NVG operations are not allowed on the aircraft. If a helicopter configuration is NVG compatible, NVG operations on that aircraft are allowed, **provided other limitations and/or restrictions listed in the AW139 Rotorcraft Flight Manual are applied**.

- 2 NVG sensitivity A modification is defined as "NVG sensitive" if one or more of the following occur:
  - the modification involves an item which emits light and is installed in the cockpit or in the cabin (i.e. radio control panels, displays);
  - the modification involves an item which emits light and is installed on an external part of the helicopter (i.e. navigation lights);
  - it involves a surface which could reflect light towards the pilot or the co-pilot (i.e. new external cowlings, shining surfaces in cockpit, skis).

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## 3 EVALUATION OF NVG COMPATIBILITY OF AN HELICOPTER CONFIGURATION

This paragraph explains how to determine if a given AW139 helicopter configuration is NVG Compatible.

In order for a given AW139 configuration to be NVG compatible, all of the following conditions have to be verified:

- 1 The "Kit Alternate Lighting System" P/N 4G3360F00111 must be installed on the aircraft.
- 2 NVIS operation are allowed with or without a separation wall between cockpit and cabin, with the restrictions reported in Table 2. For NVIS operations with a separation wall, one of the FWD bulkhead listed in paragraph 6, or an equivalent means of separation, must be installed to divide the cockpit from the cabin.
- 3 No NVG sensitive equipment, with the exception of lights sourcing in cabin compartment or those shown to be compatible as listed in Appendix A of this document, can be operated or left switched ON during NVIS Operations. It must be possible to switch these equipment OFF by the pilot. If one or more NVG sensitive equipment listed in the Appendix A are installed, for every item installed it must be verified that the relevant restriction is taken into account.

#### 4 PLACARDS

If the kit "Kit Alternate Lighting System" P/N 4G3360F00111 is installed on the helicopter, a dedicated placard (P/N 3G1130A01431) must be installed in clear view of the pilot to specify if the helicopter configuration is not NVG compatible.

In particular, if the helicopter configuration is not NVG compatible, the placard must be installed.

**NVG OPERATIONS NOT PERMITTED** 



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#### 5 GOGGLES

Only type I class B, 3rd generations goggles can be used for aided flight on AW139. Approved models are:

IMAGE INTENSIFIER TUBES TYPE	MODEL
P43 - GREEN PHOSPHOR	ITT F4949 (M - P) M949 (formerly Litton/Northrop Grumman) model CK-1601 NL-93
P45 - WHITE PHOSPHOR	Elbit P/N 4949B4M20HP45-2 (goggle P/N 285374-2) Elbit P/N 4949B4M16HP45-2 (goggle P/N 285372-2)

All crewmembers must use the same type of image intensifier (P45 - white or P43 - green phosphor) as per Section 1 of RFM Supplement 60.

NL-93 goggles are not approved by FAA, so their use is not allowed on FAA registered helicopters. The use of NL-93 goggles on EASA registered helicopters is subject restrictions as per EASA SIB No. 2021-04.

Helmets shall be suitable for the above mentioned NVGs.

**Note:** Elbit (the Supplier for approved P45 NVG models) uses two part numbers for identification of the same model:

- Numeric P/N identifies goggles only, without accessories (P/N reported on the equipment)
- Alphanumeric P/N identifies the full system (goggle with accessories)

#### 6 APPROVED SEPARATION WALL

If the helicopter configuration is not compatible for NVIS operation with no separation wall, a separation wall, dividing cockpit and passenger cabin, must be installed. This must be tested in accordance with NVG Policy 139G3360E001.

A list of LHD approved installation is provided here below:

•	6AB1KT002-265	FWD BULKHEAD with rolling curtain 6AB1ME023-037 code -14E
•	6AB1KT002-431	FWD BULKHEAD with rigid obscuring panels (see Note 1)
•	6AB1KT018-031	NVG FWD BULKHEAD IMPROVED KIT (see Note 1)
•	6AB1KT028-031	NVG FWD BULKHEAD CONFIGURATION SILENS (see Note 1 and Note 2)
•	6AB1KT023-031	NVG FWD BULKHEAD CONFIGURATION SOFT LINERS (see Note 1)
•	6AB1KT032-031	NVG FWD BULKHEAD CONFIGURATION RIGID LINERS (see Note 1)





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•	6AB1KT031-031	NVG FWD BULKHEAD CONFIGURATION ENHANCED (RIGID L (see Note 1)	INERS)
•	6AB1KT036-031	NVG FWD BULKHEAD CONFIGURATION (RIGID LINERS) (see	Note 1)
•	6AB1KT034-031 6A3W2521F001001	NVG FWD BULKHEAD CONFIGURATION (SOFT LINERS) (see NVG FWD BULKHEAD CONFIGURATION (RIGID LINERS) (see Note 1 and Note 3)	Note 1)
•	6AB1KT039-031	NVG FWD BULKHEAD CONFIGURATION (SOFT LINERS) (see Note 1)	
•	6AB1KT350-031, 6A	B1KT351-031, 6AB1KT352-031, 6AB1KT353-031  NVG INTERIORS CONFIGURATIONS (RIGID LINERS)  (see Note 1)	
•	6AB1KT159-031	NVG FWD BULKHEAD CONFIGURATION (RIGID LINERS) (see Note 1)	
•	4G2520F24411 4G2520F24412 4G2520F24413 4G2520F24414 4G2520F24415 4G2520F24416	Kit NVIS cockpit cabin soft separation (see Note 1)	I

**NOTE 1:** With 6AB1KT002-431, 6AB1KT018-031, 6AB1KT028-031, 6AB1KT023-031, 6AB1KT032-031, 6AB1KT032-031, 6AB1KT031-031, 6AB1KT034-031, 6A3W2521F001001, 6AB1KT039-031, 6AB1KT350/1/2/3-031, 6AB1KT159-031 and P/N 4G2520F24411/12/13/14/15/16 properly operated, lights sourcing in cabin compartment not NVIS compatible could be ON, provided that there are no hazardous reflection for pilot from the outside.

**NOTE 2:** In order to be NVG compatible, the NVG FWD BULKHEAD CONFIGURATION SILENS P/N 6AB1KT028-031 must be installed in conjunction with the STC EASA No. 10030371.

**NOTE 3:** In order to be NVG compatible, the NVG FWD BULKHEAD CONFIGURATION (RIGID LINERS) P/N 6A3W2521F001001 must be installed in conjunction with the STC EASA No. 10062785.



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**NOTE 4:** for helicopter configurations compatible with NVIS operation with or without a separation wall, refer to Table 2.

#### 7 CHANGES TO THE APPROVED CONFIGURATION

Refer to document n. 139G3360E001 "AW139-NVG policy".

In particular installations covered by STC shall assess the NVIS compatibility in accordance with AC29-2C MG16. Competent Authority shall approve such installations considering NVG operations.

#### 8 ISTRUCTIONS FOR CONTINUOS AIRWORTHINESS (ICA)

#### **Scheduled Maintenance Tasks:**

No	Item	Task	Interval
1	NVG Binocular Assy	Inspect optical surfaces for absence of dirt, indentations and fingerprint residue	Before each use
2	NVG Helmet Mount Assy	Inspect mounting attachments to the helmet for absence of indentations, corrosion and wear.	Before each use
3	NVG Adjustment devices	Check that all the adjustment components can be operated properly (objective focus, interpupillary adjustment, fore/aft adjustment knobs free to rotate).	
4	Low Battery Indicator (LBI)	Perform the low battery indicator check according to Operator Manual procedures (Note 1)	Before the first use of the day

Note 1: Perform this task according to the applicable Supplier NVG Operator Manual procedures.

In addition to the above tasks, perform an Overhaul of the NVG according to the table reported below:

Component	Part Number	Overhaul Interval
NVG	4949B4M20HP45-2 (285374-2) 4949B4M16HP45-2 (285372-2)	According to the Supplier NVG Operator Manual

At the specified limit the component must be sent to the Vendor Supplier or authorized Service Station.



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### **Appendix A**

## List of NVG compatible equipment

#### 139G3360A001



#### AW139 NVG Compatibility Reference Handbook

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This appendix contains the list of NVG sensitive equipment that have been demonstrated to be compatible with AW139 NVG operations.

In particular, the installation of each item does not affect the NVG compatibility of the helicopter, provided the relevant restrictions are taken into account.

Any non NVG sensitive equipment, when installed and operated according to approved drawings/instructions, is considered NVG compatible.

Therefore, non NVG sensitive equipment is not contained in the following table.

#### **Explanatory Notes:**

- "Part Number" (Column 1 Table 1) is the part number which identifies the installation.
- "Part Number Short Nose" (Column 1 Table 2) is the part number which identifies the installation on Short Nose Fuselage.
- "Part Number Long Nose" (Column 2 Table 2) is the part number which identifies the installation on Long Nose Fuselage.
- "Description" (Column 2 Table 1, Column 3 Table 2) is the description of the equipment/installation which has been demonstrated to be compatible with AW139 NVG operations.
- "Restrictions" (Column 3 Table 1) this column contains an explanation of the restrictions under which the item can be considered as NVG compatible. When this column is left blank, it means that the item, when installed, activated and operated according to approved limitations and instructions, is NVG compatible. If one or more items listed in Appendix A are installed, but the relevant restriction has not been applied, the item has to be considered as non NVG compatible, and NVG operations are not permitted on the aircraft unless the item is not essential for flight operations. In this last case it must be possible to switch the item by the pilot and NVG Operations are permitted provided that the item is switched OFF.
- "Restrictions with separation wall" (Column 4 Table 2) this column contains an explanation of the restrictions under which the item can be considered as NVG compatible. When this column is left blank, it means that the item, when installed, activated and operated according to approved limitations and instructions, is NVG compatible with separation wall installed. If one or more items listed in Appendix A are installed, but the relevant restriction has not been applied, the item has to be considered as non NVG compatible, and NVG operations are not permitted on the aircraft unless the item is not essential for flight operations. In this last case it must be possible to switch the item by the pilot and NVG Operations are permitted provided that the item is switched OFF.

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"Restrictions without separation wall" (Column 5 Table 2) – this column contains an explanation of the restrictions under which the item can be considered as NVG compatible. When this column is left blank, it means that the item, when installed, activated and operated according to approved limitations and instructions, is NVG compatible with separation wall not installed. If one or more items listed in Appendix A are installed, but the relevant restriction has not been applied, the item has to be considered as non NVG compatible, and NVG operations are not permitted on the aircraft unless the item is not essential for flight operations. In this last case it must be possible to switch the item by the pilot and NVG Operations are permitted provided that the item is switched OFF.



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#### Table 1 – List of NVG Compatible Basic Equipment (approved for NVIS operation with and without separation wall)

Part Number	Description	Restrictions
3G3320W01901	NVG LIGHTS COCKPIT AND EXTERNAL INSTL (Short Nose configuration)	
3G3320W01911 3G3320W01912	NVG LIGHTS COCKPIT AND EXTERNAL INSTL (Long Nose configuration)	
0202644-005		
0230390-001	SEARCH/LDG LIGHT	Alternative
02030390-202		Alternative
109-0740V01-129	EXTERNAL LIGHTS CONTROL BOX	Short nose
3G1130L00156	VNE PLACARD ILLUMINATED (NVG)	
3G2120A00211	COCKPIT AND CABIN VENT. INSTL (NVG)	
3G2490V00152	ILLUMINATED NVG PANEL BREAKER (NVG)	Short nose
3G2490V00551	ILLUMINATED NVIS PNL SWITCH (NVG)	Short nose
3G2600V00252	FIRE RETEO(EVTO CONTROL DANIEL (ALVO)	To be substituted with -253
3G2600V00253	FIRE DETEC/EXTG CONTROL PANEL (NVG)	
3G2800V00132	FUEL CONTROL DANIEL (ANIC)	Superseded with the following -252
3G2800V00252	FUEL CONTROL PANEL (NVG)	
3G2900V00752	HYDRAULIC SYSTEM CONTROL PANEL (NVG)	
3G3040V00253	WINDSHIELD WIPING CONTROL PANEL (NVG)	

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3G3110V00352	MICOS I ANECUO CONTROL DANEL (MICO)	Superseded with the following -355
3G3110V00355	MISCELLANEOUS CONTROL PANEL (NVG)	
3G3120L00151	MAGNETIC COMPASS (NVG)	
3G3120L00251	DIGITAL CHRONOMETER (NVG)	
3G3150V00352	PILOT MASTER CAUTION/ WARNING (NVG)	
3G3150V00452	COPILOT MASTER CAUTION/ WARNING (NVG)	
3G3230V00632	LANDING GEAR CONTROL PANEL ASSY (NVG)	Superseded with the following -633
3G3230V00633	LANDING GEAR CONTROL PANEL ASSY (NVG)	
3G3300V00252	TEST CONTROL PANEL (NVG)	
3G3310A00231	UTILITY LIGHT (NVG – GOODRICH LIGHTNING SYSTEMS)	
4F3310V00151	UTILITY LIGHT (NVG – SIRIO PANEL)	
3G3310A00131	STORM LIGHT	Inhibited through electrical mod
3G3320A00132	THERMOMETER LIGHT ASSY	
3G3320V00354	DIMMING SYSTEM CONTROL PANEL (NVG)	
3G3320V00454	LIGHTS CONTROL PANEL (NVG)	
3G3320V00651	NVG DOME LIGHT	
3G3340V00151	LEFT NAVIGATION LIGHT (NVG)	Short nose
109-0740V01-139	RED NAVIGATION LIGHT	Long nose
109-0740V01-149	LEFT POSITION LIGHT RED	Long nose
3G3340V02151	RED POSITION LIGHT (NVG)	Long nose
3G3340V00251	RIGHT NAVIGATION LIGHT (NVG)	Short nose

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109-0740V01-141	GREEN NAVIGATION LIGHT	Long nose
109-0740V01-147	RIGHT POSITION LIGHT GREEN	Long nose
3G3340V02251	GREEN POSITION LIGHT (NVG)	Long nose
3G3340V00351	TAIL NAVIGATION LIGHT	Short nose
109-0740V01-137	WHITE NAVIGATION LIGHT	Long nose
3G3340V00451	ANTICOLLISION LIGHT (NVG)	Short nose
109-0740V33-101	ANTICOLLISION LIGHT	Long nose
3G3420V00252	COMPASS CONTROL PANEL (NVG)	
3G4630V00152	DIODI AV DIMMINO CONTROL DANIEL (AUVO)	Long nose
3G4630V00155	DISPLAY DIMMING CONTROL PANEL (NVG)	Short nose
3G4630V00352	DISPLAY REVERSION CONTROL PANEL (NVG)	
3G7610A00211	ENGINE CONTROL LEVER INSTL (NVG)	
3G7610V00852	ENGINE CONTROL PANEL (NVG)	
501-1860-0601	ELEC STAND-BY INSTRUMENT SYSTEM (ESIS)	
501-1860-0603	ELEC STAND-BY INSTRUMENT SYSTEM (L-3)	
40004-01-01		
40004-02-01	ELEC STAND-BY INSTRUMENT SYSTEM (MEGGITT)	
40004-03-01		
7011702-846	CHIDANICE CONTROLLER (NIVC)	
7011702-848 (ALT)	GUIDANCE CONTROLLER (NVG)	

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7016683-864 7016683-866 (ALT)	DISPLAY CONTROLLER NVG
7016954-810	REMOTE INSTRUMENT CONTROLLER (NVG)
7025725-945	
7033700-945	MULTI PURPOSE CONTROL DISPLAY UNIT
A50A000-00-350	
7026883-802	CURSOR CONTROL DEVICE
7027110-804	AUTOPILOT CONTROLLER
7032400-802	FLAT PANEL DISPLAY UNIT H/W 1
7037630-812	FLAT PANEL DISPLAY UNIT H/W 2
7036350-802	FLAT PANEL DISPLAY UNIT H/W 3
7036350-812	FLAT PANEL DISPLAY UNIT H/W 3 HARDENED
7511900-98401	
7511900-98801(ALT)	AUDIO PANEL
7511900-99201(ALT)	AUDIO FANEL
7511900-99202	
4773-146	EMERGENCY LIGHT PUSH BUTTON (NVIS)

NOTE: Configuration customizations for different customer require different CB panel and switch panel lay-out with different P/Ns. Check that aux O/H CB panel and aux. O/H switch panel are of the type NVIS compatible.

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#### Table 2 – List of Approved NVG Sensitive Optional Kits

Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G2310F02911 4G2310F02912	Kit Radio TETRA Chelton	Only control panel PN CH150-14-00.	Only control panel PN CH150-14-00.
N.A.	4G2310F07511	Kit Cobham 7-450 TETRA Radio	Only control panel PN CH150-14-00.	Only control panel PN CH150-14-00.
4G2350F00411	4G2350F00412 4G2350F00415	kit ICS Cabin Utility 12/15 PAX (Rigid Liners)	The kit P/N 4G3360F01911 must be applied.  Control Panel 4G2350V00152 (or GEM-05-COCU-103).  The kit P/N 4G3360F06011 must be applied.  Control Panel P/N 4G2350V00156.  Control Panel P/N GEM-05-COCU-109-2.	Not compatible for NVIS operation  Not compatible for NVIS operation
3G6351F00113	3G6351F00113	Kit Rotor Brake	-	-
4G2510F00211	4G2510F00211	kit Fischer pilot co-pilot seats	-	-
3G5610F00611	3G5610F00611	Kit heated windshield	The kit 4G3360F06311 must be applied.	The kit 4G3360F06311 must be applied.
3G2141F00114	3G2141F00114	Kit forced heating and ventilation	The variant P/N 4G3360F03211 must be applied. Only control panel 3G2141V00354.	The variant P/N 4G3360F03211 must be applied. Only control panel 3G2141V00354.
3G2140F00112	3G2140F00112	Kit heating	The variant P/N 4G3360F03011 must be applied.	The variant P/N 4G3360F03011 must be applied.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
			Only control panel P/N 3G2140V00354.	Only control panel P/N 3G2140V00354.
3G2150F00114	3G2150F00114	Kit air conditioning	The variant P/N 4G3360F02911 must be applied. Only air conditioning control panel 3G2150V00354.	The variant P/N 4G3360F02911 must be applied. Only air conditioning control panel 3G2150V00354.
3G2121F00111	3G2121F00111	Kit forced ventilation	The variant P/N 4G3360F03111 must be applied. Only forced ventilation panel 3G2121V00352.	The variant P/N 4G3360F03111 must be applied. Only forced ventilation panel 3G2121V00352.
4G3360F03311	4G3360F03311	Kit air conditioning VIP NVG	Only control panel 3G2150V00355.	Only control panel 3G2150V00355.
4G3360F03411	4G3360F03411	Kit heating VIP NVG	Only control panel 3G2140V00352.	Only control panel 3G2140V00352.
4G3360F03511	4G3360F03511	Kit heating and forced ventilation VIP NVG	Only control panel 3G2141V00355.	Only control panel 3G2141V00355.
3G2560F00311 3G2560F00313	3G2560F00311 3G2560F00313	Kit ADELT (ELT Deployable)	The kit P/N 4G3360F01811 must be	The kit P/N 4G3360F01811 must be
	3G2560F00312	Kit ADELT (ELT Deployable) with GPS	applied. Only control panel 503-22-NV.	applied. Only control panel 503-22-NV.
3G9560F00111 3G9560F00113 3G9560F00212	3G9560F00111 3G9560F00113 3G9560F00212	Kit Emergency Floats and Life Rafts (Aerosekur) Kit Emergency Floats (Aerosekur) Kit Emergency Floats (Aerazur)	The variant P/N 4G3360F00711 must be applied.	Not compatible for NVIS operation

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
			Only control panel 3G9560V00552 or	
			3G9560V00554 or 3G9560V00556 or	
			3G9560V00559.	
	4G9560F00111	Kit Emergency Flotation System (DART)		The variant P/N 4G3360F00711 must be
	4G9560F00211	Kit Emergency Flotation System (DART)		applied.
				Only control panel 3G9560V00552 or
				3G9560V00554 or 3G9560V00556 or
				3G9560V00559.
			The variant P/N 4G3360F00811 must be	
			applied.	
			Only cockpit control panel 3G2591V00152.	
3G2591F00111	3G2591F00111	Kit External Hoist	Only hoist operator control panel	Not compatible for NVIS operation
			3G2591V00952.	
			The variant P/N 4G3360F05011 or	
			4G3360F05012 must be applied.	
3G2350F00211	3G2350F00211	Kit external loudspeakers 250W	TI :	TI :
	4G2350F00511	Kit external loudspeakers 700W	The variant P/N 4G3360F02311 must be	The variant P/N 4G3360F02311 must be
	4G2350F00611	Kit external loudspeakers 400W	applied.	applied.
	4G2350F02111	Kit external loudspeakers 900W	PA control panel AA21-407.	PA control panel AA21-407.
	4G2350F00512	Kit external loudspeakers 700W		
	4G2350F03011	Kit external loudspeakers LSS880	PA control panel P/N LSC22-003N.	PA control panel P/N LSC22-003N.
	4G2350F02811	Kit external loudspeakers 900W		

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
3G2592F00111	3G2592F00111	Kit Cargo Hook	The variant P/N 4G3360F00911 must be applied.	The variant P/N 4G3360F00911 must be applied.
3G9770F00111	3G9770F00111	Kit Cargo Hook Video Cameras	-	-
3G7160F00114 3G7160F00115	3G7160F00114 3G7160F00115	Engine Air Particle Separator	The variant P/N 4G3360F02711 must be applied. Only 3G3110V00252 CONTROL PANEL (NVG).	The variant P/N 4G3360F02711 must be applied. Only 3G3110V00252 CONTROL PANEL (NVG).
3G9310F00112	3G9310F00112	Kit Moving Map Skyforce Observer	The variant P/N 4G3360F01511 must be applied. Only 3G9310V00151 DIGITAL MAP CONTROL PANEL or Control Panel PN 3G9310V00552.	The variant P/N 4G3360F01511 must be applied. Only 3G9310V00151 DIGITAL MAP CONTROL PANEL or Control Panel PN 3G9310V00552.
4G3441F00111	4G3441F00111	Kit Weather Radar Primus 701	The variant P/N 4G3360F02111 must be applied. Only 7008471-710 RADAR CONTROLLER. Only 7013512-912 MICROCIRCUITO CONTROLLO.	The variant P/N 4G3360F02111 must be applied. Only 7008471-710 RADAR CONTROLLER. Only 7013512-912 MICROCIRCUITO CONTROLLO.
3G3441F00112	3G3441F00112	Weather Radar Primus WX P660	The variant P/N 4G3360F01311 must be applied. Only 7008471-690 WC-660 NVG.	The variant P/N 4G3360F01311 must be applied. Only 7008471-690 WC-660 NVG.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
3G3340F00111	3G3340F00111	SX16 with IFCO	The variant P/N 3G3306P04911 SX16 IFCO NVG Variant Retro Mod must be applied.	Not compatible for NVIS operation
4G9350F00111	4G9350F00112 4G9350F00113	Kit FLIR – Sea Flir II – with Laser Pointer	-	-
4G4630F00111	N.A.	Kit Central SKYQUEST Display	The variant P/N 4G3360F01711 must be applied. Only AVDU-2111-05-01 Display Unit	The variant P/N 4G3360F01711 must be applied. Only AVDU-2111-05-01 Display Unit
N.A.	4G4630F00211 4G4630F00212	Kit Central SKYQUEST Display	The variant P/N 4G3360F06411 must be applied. Only AVDU-2112-05-03 Display Unit.	The variant P/N 4G3360F06411 must be applied. Only AVDU-2112-05-03 Display Unit.
3G2210F00211	3G2210F00211	4 axis Digital Automatic Flight Control System	The variant P/N 4G3360F01611 must be applied. Only 3G6712A00836 COPILOT CYCLIC STICK. Only 3G6712A00736 PILOT CYCLIC STICK ASSY.	The variant P/N 4G3360F01611 must be applied. Only 3G6712A00836 COPILOT CYCLIC STICK. Only 3G6712A00736 PILOT CYCLIC STICK ASSY.
3G3450F00911	4G3450F00311	VHF/UHF radio direction finder (DF) CHELTON 935-2	-	-
4G9700F00211	4G9700F00111 4G9700F00112	Kit Digital Video Recorder	-	-

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
4G2310F01111	4G2310F01111	Satellite Communication radio SKYCONNECT	Only control panel PTA12-300.	Only control panel PTA12-300.
4G4620F00711 4G4620F00611	4G4620F00611	Kit Mission Console Kit extended Mission console	The variant P/N 4G3360F03811 must be applied. Only LCD1507-340 DISPLAY LCD 15".	Not compatible for NVIS operation
4G4620F00411	4G4620F00411	Kit Mission Console	The variant P/N 4G3360F03811 must be applied.	Not compatible for NVIS operation
4G3040F00111 4G3040F00112	4G3040F00113 4G3040F00114 4G3040F00115 4G3040F00116	Kit Windshield Washing System	The variant P/N 4G3360F02611 must be applied. Only 3G3040V00254 CONTROL PANEL	The variant P/N 4G3360F02611 must be applied. Only 3G3040V00254 CONTROL PANEL
4G2590F00311	4G2590F00312 4G2590F00313	Kit Fire bucket	The variant P/N 4G3360F03611 must be applied. Only 3G6712A00737 PILOT CYCLIC STICK. Only 3G6712A00837 COPILOT CYCLIC STICK.	The variant P/N 4G3360F03611 must be applied. Only 3G6712A00737 PILOT CYCLIC STICK. Only 3G6712A00837 COPILOT CYCLIC STICK.
4G3340F01611	N.A.	Kit position lights on winglet	-	Not compatible for NVIS operation
N.A.	4G2591F00211	External Hoist Operations (Goodrich)	The variant P/N 4G3360F05711 or 4G3360F05712 must be applied.	The variant P/N 4G3360F05711 or 4G3360F05712 must be applied.
N.A.	4G2591F00111	Double External Hoist Operations	The variant P/N 4G3360F05511 or 4G3360F05512 must be applied.	Not compatible for NVIS operation

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	3G2310F00212	Radio Equipment Primus HF 1050  Version with Cabin Controller	-	Not compatible for NVIS operation
3G3272F00111	3G3272F00111 3G3272F00112	Slump Pads Kit	-	Not compatible for NVIS operation
3G3271F00111	3G3271F00111 3G3271F00112	Snow Skids Kit	-	Not compatible for NVIS operation
N.A.	3G3360A00311	CABIN LTS ELECTRICAL INSTL	Only neon lamp 62278G-510A.	Only neon lamp 62278G-510A.
4G3360A00211	4G3360A00211	CABIN LTS ELECTRICAL INSTL	Only neon lamp 62278G-510A.	Not compatible for NVIS operation
N.A.	4G2510F00112	Chart holder KIT	considered NVIS compatible, but the use of map holder light during NVG flights is not recommended.	Light assy P/N 3G3320A00731 is considered NVIS compatible, but the use of map holder light during NVG flights is not recommended.  Hazardous reflections can be caused by maps or papers.
N.A.	4G2510F00911	KIT pilot/co-pilot GENERAL HOLDERS	considered NVIS compatible, but the use of map holder light during NVG flights is not recommended.  Hazardous reflections can be caused by maps or papers.	of map holder light during NVG flights is not recommended.  Hazardous reflections can be caused by maps or papers.  However, if usage is required it is

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G2510F00511	KIT pilot/co-pilot GENERAL HOLDERS Vertical	considered NVIS compatible, but the use of map holder light during NVG flights is not recommended.	•
N.A.	4G2560F00111 4G2560F00112 4G2560F00113	ELT	-	-
4G2564F00112	4G2564F00113 4G2564F00114 4G2564F00115 4G2564F00116	EMS provision	The variant 4G3360F03711 must be applied. Only misc. ctrl. pnl. P/N 3G3110V00452. The variant 4G3360F04911 must be applied. Only ctrl. pnl. ICS P/N GEM-06-COCU-105 and selector P/N GEM-06-ICDU-107.	Not compatible for NVIS operation
N.A.	3G2591F00113	Hoist extended cable	The variant P/N 4G3360F00811 must be applied. Only cockpit control panel 3G2591V00152. Only hoist operator control panel 3G2591V00952.	The variant P/N 4G3360F00811 must be applied.  Only cockpit control panel 3G2591V00152.  Only hoist operator control panel 3G2591V00952.  The variant P/N 4G3360F05011 or 4G3360F05012 must be applied.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
			The variant P/N 4G3360F05011 or	
			4G3360F05012 must be applied.	
4G2591F00311	4G2591F00311	Kit Winchman Hover Trim	-	Not compatible for NVIS operation
3G3340F00411	4G3340F00411	Kitabaha Pala	Inhibited through electrical provision when	Inhibited through electrical provision when
	4G3340F00412	Kit strobe light	NVG mode is selected.	NVG mode is selected.
	400040500440	Mit atach a limbte (win alat)	Inhibited through electrical provision when	Inhibited through electrical provision when
	4G3340F00413	Kit strobe lights (winglet)	NVG mode is selected.	NVG mode is selected.
			Light assy P/N 0202644-005.	
			When the variant P/N 4G3340A04811 is	
4G3340F01811	4G3340F01811	Kit 2nd additional LDG light	applied following lights assy are also	Not compatible for NVIS operation
			authorized:	
			P/N 0230390-001 or 02030390-202.	
0000000004444	NI A	High intensity 2 <sup>nd</sup> LDG Light	Following lights assy are authorized:	
3G3306P01411	N.A.	Retromod	P/N 0230390-001 or 02030390-202.	Not compatible for NVIS operation



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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
			Following lights assy are authorized:	
			2LA455-115-26 EMERGENCY DOME	
			LIGHT	
	400500400445		3G3320A00631 ADVISORY LIGHT ASSY	
N.A.	4G2520A00115	Cabin light electrical provision	3G3320V00551 NVG CABIN LIGHT	Not compatible for NVIS operation
	4G2520A00114		3G3320V00651 NVG DOME LIGHT	
			(cabin extension)	
			3G3320V00851 CABIN DIMMING	
			CONTROL.	
NI A	4G3340A03911	HOIST SEARCH LGT	Following lights assy are authorized:	N
N.A.	4G3340A03912	SARTU VARIANT	P/N 0230390-001 or 02030390-202.	Not compatible for NVIS operation
N.A.	4G4620F00911	Kit tactical mission console	-	Not compatible for NVIS operation
			364-4000-001 ctrl. pnl. RDR 1500B+;	
N.A.	3G2520A08311	Mission console equipment instl.	AVDU-5006-05-1 Display unit; 90-004-1	Not compatible for NVIS operation
			light assy.	
N.A.	400240500744	Kit 2nd Decem Furrer av V	PANL-1588-01-02-54 key board skyquest	Net competible for NV/IO constitut
N.A.	N.A. 4G9310F00711 Kit 2 <sup>nd</sup> Dm	Kit 2 <sup>nd</sup> Dmap Euronav V	210.002-001 ctrl. pnl.	Not compatible for NVIS operation
N.A.	4G9310F00511	Kit Dmap Euronav V	109-0770V02-101 CONTROL PANEL.	109-0770V02-101 CONTROL PANEL.
	4G4630F00311	·		
N.A.	4G4630F00312	Kit central display Sirio Panel	727-0912/30 display unit.	727-0912/30 display unit.
1000105010::	1000105010::	16: 0 ·	CDP-250G mini display.	CDP-250G mini display.
4G2310F01311	4G2310F01311	Kit Satcom Skytrac ISAT-100	STS-ISAT-100 ctrl. pnl.	STS-ISAT-100 ctrl. pnl.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G2310F03011	Kit Satcom Skytrac ISAT-200	104-300-02 cockpit display panel. 105-300-02 dispatch voice interface.	104-300-02 cockpit display panel. 105-300-02 dispatch voice interface.
N.A.	4G9300F00111 4G9300F00112	Kit Video Downlink MRC	Only control panel P/N 907621-1.  The use of the control panel is authorised provided that it is installed in the interseat console extension.	Not compatible for NVIS operation
N.A.	4G9300F00311 4G9300F00312	Video up/down link ECS	SCU NVG control unit.	Not compatible for NVIS operation
N.A.	4G9300F00911	Kit ECS HD Video Downlink (5.3 GHz)	Remote Control Panel ECU NVG HVDS AES (01-11482-2-05-0).	Remote Control Panel ECU NVG HVDS AES (01-11482-2-05-0).
N.A.	4G3340F00611 4G3340F00612	Kit 2 <sup>nd</sup> anticollision	109-0740V33-101 light assy.	109-0740V33-101 light assy.
	4G9700F00411			5836-CR-CP-01-1000 CONTROL PANEL.
N.A.	3G9706P00412	Kit DVAR SAAB	5836-CR-CP-01-1000 CONTROL	Not compatible for NVIS operation
	4G9700F00412		PANEL.	5836-CR-CP-01-1000 CONTROL PANEL.
N.A.	4G3450F00711	Kit DF Chelton 935-11	3G3450V00151 ANNUNCIATOR pnl. 715-40-10010 ctrl. pnl.	3G3450V00151 ANNUNCIATOR pnl. 715-40-10010 ctrl. pnl.
4G3340F00711	4G3340F00712 (*)	Kit SX16 and Sea Flir interface	3G3340V01152 SEARCH light/SX16 Ctrl. Pnl.	Not compatible for NVIS operation

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
			IN10-10-81 HAND CONTROL UNIT (NVG).	
N.A.	4G9350F00611	Kit FLIR STAR SAFIRE series	Hand Control Unit P/N 3204853-4.	Not compatible for NVIS operation
N.A.	4G9350F00211	Kit FLIR STAR SAFIRE 380-HD	Hand Control Unit P/N 3204853-10.	Not compatible for NVIS operation
N.A.	4G9350F01111	Kit FLIR STAR SAFIRE SS380-HDC	Hand Control Unit P/N 3204853-10.	Hand Control Unit P/N 3204853-10.
	4G9350F00411		Hand Control Unit P/N 42228-05 and 42228-07.	
N.A.	4G9350F01511		Hand Control Unit P/N 42228-21.	Not compatible for NVIS operation
	4G9350F01611		Mission Controller P/N 220970-01.	
	4G2350F01012		The kit P/N 4G3360F04611 must be	Not compatible for NVIS operation
N.A.	4G2350F01013 4G2350F01014	Kit ICS AV900 cabin stations 4 & 5	applied. Audio panel 7511900-99201 (superseded). Audio Panel 7511900-99202.	Not compatible for NVIS operation
N.A.	3G2306P03312	ICS variant cabin station 5	Audio panel 7511900-99201.	Not compatible for NVIS operation
NI A	4G2350F00912	Kit ICS AV000 ophin otation 4	The kit P/N 4G3360F04511 must be applied. Audio panel 7511900-99201.	Not compatible for NVIS operation
N.A.	4G2350F00913 4G2350F00914	Kit ICS AV900 cabin station 4	The kit P/N 4G3360F04512 (superseding P/N 4G2350F04511) must be applied. Audio panel 7511900-99202.	The kit P/N 4G3360F04512 (superseding P/N 4G2350F04511) must be applied. Audio panel 7511900-99202.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G2350F02411	Kit ICS AV900 cabin stations 4, 5 &	The kit P/N 4G3360F07611 must be applied.	Not compatible for NVIS operation
		6	Audio Panel 7511900-99202.	·
	4G2350F02511		The kit P/N 4G3360F07811 must be	The kit P/N 4G3360F07811 must be
N.A.	4G2350F02711	Kit ICS AV900 cabin station 5	applied.	applied.
	4020001 02711		Audio Panel 7511900-99202.	Audio Panel 7511900-99202.
N.A.	4G2310F02511	Kit Wulfsberg P2000	400-049200-11-012 ctrl pnl. P25 RADIO	400-049200-11-012 ctrl pnl. P25 RADIO
N.A.	4023101 02311	Nit Wullsberg F 2000	P2000.	P2000.
3G3306P01611	3G3306P01611	LONG RANGE ELEVATION ENVELOPE VARIANT	-	Not compatible for NVIS operation
3G9350A00431	3G9350A00431	LASER INTERLOCK UNIT	3205580 LIU kit.	3205580 LIU kit.
3G2310F00111	3G2310F00111	KIT V/UHF FLEXCOMM II	Apply variant 4G3360F02411.  Control panel P/N 31300-0201-1200.	Apply variant 4G3360F02411.  Control panel P/N 31300-0201-1200.
N.A.	4G2310F01212 3G2306P07211	Kit 2 <sup>nd</sup> Flexcomm Radio P25 Radio Flexcomm II P25 Variant	Control panel P/N 31300-1202-1200.	Control panel P/N 31300-1202-1200.
3G3130F00111	4G3130F00111 4G3130F00112 4G3130F00113	KIT HUMS	3G3130V00151 HUMS CONTROL PANEL.	3G3130V00151 HUMS CONTROL PANEL.
N.A.	4G3130F00611	Kit "FAMILY" HUMS	Data Transfer Device (DTD) P/N 8G4620V00451.	Data Transfer Device (DTD) P/N 8G4620V00451.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
			Following lights P/N are authorized:	Following lights P/N are authorized:
			- IPS STATUS PANEL 4G3000V00451	- IPS STATUS PANEL 4G3000V00451
N.A.	4G3000F00211	KIT FIPS	- Master Warning 4G3060V00751	- Master Warning 4G3060V00751
N.A.	463000F00211	KII FIPS	- Master caution 4G3060V00851	- Master caution 4G3060V00851
			- HEATED WINDSHIELD 4G5610V00131	- HEATED WINDSHIELD 4G5610V00131
			and 4G5610V00231	and 4G5610V00231
			The kit P/N 4G3360F06211 must be	
N.A.	4G2350F01811	kit ICS Cabin Utility 8 PAX (Gemelli)	applied.	Not compatible for NIV/IC on cretical
N.A.	4G2350F01813	(Rigid Liners)	Control Panel 4G2350V00156.	Not compatible for NVIS operation
			Control Panel GEM-05-COCU-109-2.	
			The kit P/N 4G3360F06211 must be	The kit P/N 4G3360F06211 must be
N.A.	4000000004044	kit ICS Cabin Utility 8 PAX (Gemelli)	applied.	applied.
N.A.	4G2350F01814	(Soft Liners)	Control Panel 4G2350V00156.	Control Panel 4G2350V00156.
			Control Panel GEM-05-COCU-109-2.	Control Panel GEM-05-COCU-109-2.
			The variant P/N 4G3360F05911 must be	The variant P/N 4G3360F05911 must be
N.A.	4G2310F02411	KIT Radio Nat NPX138	applied.	applied.
			Control Panel NPX138N-900.	Control Panel NPX138N-900.
			The variant P/N 4G3360F07411 must be	The variant P/N 4G3360F07411 must be
N.A.	4G2310F04611	KIT 2 <sup>nd</sup> VHF/FM Radio Nat NPX138	applied.	applied.
			Control Panel NPX138N-900.	Control Panel NPX138N-900.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G3340F02224 4G3340F02218 4G3340F02221 4G3340F02212 4G3340F02214 4G3340F02216	KIT SX16 Steer Ldg Lts IR RS232 NVG KIT SX16 Steer Ldg Lts IR NVG KIT SX16 Steer Ldg Lts IR SLAVED RS422 NVG KIT SX16 Steer Ldg Lts WHITE NVG KIT SX16 Steer Ldg Lts WHITE SLAVED RS422 NVG KIT SX16 Steer Ldg Lts WHITE SLAVED RS232 NVG	SX16 control panel PN 3G3340V01153 SX16 control panel PN 3G3340V01153 SX16 control panel PN 3G3340V01153 SX16 control panel PN 3G3340V01751 SX16 control panel PN 3G3340V01751 SX16 control panel PN 3G3340V01751	Not compatible for NVIS operation
N.A.	4G3340F00211	KIT Enhanced Landing Light	The variant P/N 4G3360F04411 including control panel P/N 3G3300V00353.	Not compatible for NVIS operation
N.A.	4G3340F01011 4G3340F01012	KIT Main Rotor Lights	4G3340F01011/12 must be inhibited	When NVG mode is selected, the kits P/N 4G3340F01011/12 must be inhibited through the application of the kit P/N 4G3360F05611.
N.A.	4G3340F01111 4G3340F01112	KIT Tail Rotor Lights	4G3340F01111/12 must be inhibited	When NVG mode is selected, the kits P/N 4G3340F01111/12 must be inhibited through the application of the kit P/N 4G3360F05611.
	4G3340F01113 4G3340F02911		Lamp P/N 727-1843/01.	Lamp P/N 727-1843/01.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G3340F02412 4G3340F02414	KIT TRAKKA A800 SEARCHLIGHT	A800 Pilot/Co-Pilot Control Panel P/N 021013-1000000 A800 Pilot/Co-Pilot Control Panel P/N 021027-0000001 A800 Grip Hand Controller P/N 021001- 0000000 A800 Grip Hand Controller P/N 021015- 0101000	A800 Pilot/Co-Pilot Control Panel P/N 021013-1000000 A800 Pilot/Co-Pilot Control Panel P/N 021027-0000001 A800 Grip Hand Controller P/N 021001- 0000000 A800 Grip Hand Controller P/N 021015- 0101000
N.A.	4G3340F02411 + 3G3306P04511 + 4G3340F02411 + 3G3306P04512 +		If the P/N 4G3340F02411 is installed, the variant P/N 3G3306P04511 must be applied for long nose configuration helicopters.  If the P/N 4G3340F02411 is installed, the variant P/N 3G3306P04512 must be applied for enhanced configuration helicopters.	Not compatible for NVIS operation
N.A.	4G3441F00311	KIT WEATHER RADAR TELEPHONICS 1500B	The radar display, part of the control panel P/N 364-4000-001, is not NVIS compatible but the use is authorised provided that it is installed behind the control panels highlighted in red in the figure 1.	The radar display, part of the control panel P/N 364-4000-001, is not NVIS compatible but the use is authorised provided that it is installed behind the control panels highlighted in red in the figure 1.
4G3200F00113	4G3200F00111 4G3200F00112	KIT LANDING GEAR SYSTEM GOODRICH	Control panel P/N 4G3230V00331.	Not compatible for NVIS operation

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
4G5211F00111	4G5211F00111	KIT PILOT HIGH VISIBILITY DOORS	NVG operations are not permitted in the following cases:  - The landing lights are installed on the landing gear sponsons  - The following searchlights are installed on the rotorcraft:  ✓ SX16 NightSun Searchlight  ✓ SX5 Searchlight  ✓ NightSun II XP Searchlight	NVG operations are not permitted in the following cases:  - The landing lights are installed on the landing gear sponsons  - The following searchlights are installed on the rotorcraft:  ✓ SX16 NightSun Searchlight  ✓ SX5 Searchlight  ✓ NightSun II XP Searchlight
N.A.	4G3340F02611	KIT LANDING LIGHTS SIRIO PANEL	Lamp P/N 3G3340V01951.	Lamp P/N 3G3340V01951.
N.A.	4G3340F02111	KIT HOIST LIGHT SIRIO PANEL	Lamp P/N 3G3340V01951.	Not compatible for NVIS operation
N.A.	4G3340F02511	KIT 4TH STEERABLE LIGHT LH SIDE	Lamp P/N 3G3340V01951.	Not compatible for NVIS operation
N.A.	4G9360F00211	KIT OBSTACLE PROXIMITY LIDAR SYS (OPLS)	Control panel P/N 3G9360V00151.	Control panel P/N 3G9360V00151.
N.A.	4G3000F00111	KIT LIMITED ICE PROTECTION SYSTEM	Control panel P/N 4G3000V00511.	Control panel P/N 4G3000V00511.
N.A.	4G2310F03511	KIT RADIO HF ROCKWELL COLLINS 9000 D	Control panel P/N 822-1071-001.	Control panel P/N 822-1071-001.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
4G7160F00111	4G7160F00111	KIT INLET BARRIER FILTER	Control panel P/N 3G7160V04151.	Control panel P/N 3G7160V04151.
N.A.	4G9380F00111	KIT DIGITAL POWER LINE DETECTOR SYSTEM	Control Unit P/N C-83842-1.	Control Unit P/N C-83842-1.
N.A.	4G2310F03411	KIT RADIO TETRA SELEX AS3000	Control Panel AS3000 P/N TAC-5053/01.	Control Panel AS3000 P/N TAC-5053/01.
N.A.	4G2310F01115	KIT SATCOM SKYCONNECT WITH	Control Panel 1616-055-12.	Control Panel 1616-055-12.
N.A.	4G3350F00311	KIT COCKPIT AND CABIN RECHARGEABLE FLASHLIGHTS	Inhibited through electrical provision when NVG mode is selected.	Inhibited through electrical provision when NVG mode is selected.
N.A.	4G1830F00411 4G1830F00412 4G1830F00511 4G1830F00512 4G1830F00611 4G1830F00612 4G1830F00711	KIT AVCS OMNI 8 actuators  KIT AVCS OMNI 6 actuators  KIT AVCS OMNI 4 actuators  KIT AVCS OMNI 2 actuators	Control Panel P/N 3G1830V00251. Control Panel P/N 3G1830V00252.	Control Panel P/N 3G1830V00251. Control Panel P/N 3G1830V00252.
N.A.	3G2141A00111 3G2141A00112	Heating and Ventilation instl. (ENVIRO)	Control Panel P/N 3G2141V11153	Control Panel P/N 3G2141V11153
N.A.	3G2150F00511 3G2150F00512	Kit ECS (ENVIRO)	NVG Variant 4G3360F07311 including the Control Panel P/N 3G2150V10653.	NVG Variant 4G3360F07311 including the Control Panel P/N 3G2150V10653.

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G2150F00711	Kit ECS (ENVIRO) for AGB	NVG Variant 4G3360F07311 including the Control Panel P/N 3G2150V10653.	NVG Variant 4G3360F07311 including the Control Panel P/N 3G2150V10653.
N.A.	4G2150F00611	Kit ECS (ENVIRO) DUAL ZONE	NVG Variant 4G3360F07111 including the Control Panel P/N 3G2150V10654.	NVG Variant 4G3360F07111 including the Control Panel P/N 3G2150V10654.
N.A.	4G2150F00911	Kit ECS (ENVIRO) DUAL ZONE for AGB	NVG Variant 4G3360F07111 including the Control Panel P/N 3G2150V10654.	NVG Variant 4G3360F07111 including the Control Panel P/N 3G2150V10654.
N.A.	4G9310F01011	KIT DIGITAL MAP EURONAV 7	Control device P/N 257.007-023.	Control device P/N 257.007-023.
N.A.	4G4620F00911	21.5" FULL HD DISPLAY FOR MISSION CONSOLE	HD display (vendor P/N 727-0983/01).	Not compatible for NVIS operation
N.A.	4G3441F00511	KIT SEARCH/WEATHER RADAR 1700A	Control Panel P/N IU200-240-3-1.05 (superseded).  Control Panel P/N IU200-240-(4)-(1).(05).	Control Panel P/N IU200-240-3-1.05 (superseded).  Control Panel P/N IU200-240-(4)-(1).(05).
N.A.	4G9300F00712	KIT ECS HD VIDEO DOWNLINK (2.5 GHZ)	Control Panel P/N 01-21694-A-62-0.	Not compatible for NVIS operation
N.A.	4G6700F00311	KIT SINGLE PILOT CONTROLS WITH PEDALS COVER		
N.A.	4G3340F02711 4G3340F02712	KIT PULSE LIGHTS	Inhibited through electrical provision when NVG mode is selected.	Inhibited through electrical provision when NVG mode is selected.
N.A.	4G4390F00411	KIT SATCOM DZMX	Control panel P/N DZP-04-300.	Control panel P/N DZP-04-300.
N.A.	4G4390F00811	KIT SATCOM DZMX / 4G	Control panel P/N DZP-04-800.	Control panel P/N DZP-04-800.
N.A.	4G4390F01111	KIT SATCOM DZMX / 4G-WIFI	Control panel P/N DZP-04-800-BEW /	Control panel P/N DZP-04-800-BEW /

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
			BFW / BJW / BPW	BFW / BJW / BPW
N.A.	4G4390F01011	KIT 2ND CTRL PNL SATCOM DZMX	-	Control panel P/N DZP-05-001
N.A.	4G3441F00611	KIT RADAR GABBIANO TS-20N	Control panel P/N 378129-003.	Control panel P/N 378129-003.
N.A.	4G2592F00111	KIT DUAL CARGO HOOK	Control panel P/N 6F2592V01251.	Control panel P/N 6F2592V01251.
N.A.	4G2350F02311 4G2350F02312	KIT POLYCON NG	Control panel P/N AXS-CP-0100-N.	Control panel P/N AXS-CP-0100-N.
N.A.	4G2310F02012	KIT RADIO BENDIX KING KTR 909	The NVIS variant P/N 4G3360F06111 must be applied. Control Panel P/N 2627-02.	The NVIS variant P/N 4G3360F06111 must be applied. Control Panel P/N 2627-02.
N.A.	4G2310F05411 4G2310F05711 4G2310F06011 4G2310F06211 4G2310F07211	KIT RADIO RT7000PMR	Control Panel P/N RT7000PMR-009-002. Control Panel P/N RT7000PMR-008-002. Control Panel P/N RT7000PMR-004-004. Control Panel P/N RT7000PMR-006-002. Control Panel P/N RT7000PMR-002-005.	Control Panel P/N RT7000PMR-009-002. Control Panel P/N RT7000PMR-008-002. Control Panel P/N RT7000PMR-004-004. Control Panel P/N RT7000PMR-006-002. Control Panel P/N RT7000PMR-002-005.
N.A.	4G2310F05511	KIT RCDU and RADIO RT7000PMR	Control Panel P/N RCDU-7000-002-001.	Not compatible for NVIS operation
N.A.	4G9700F01011	kit DVAR Aero Optical DF-HCAR HEXA (cockpit instl.)	P/N 17-06HXDFCF.	P/N 17-06HXDFCF.
N.A.	4G9300F01611	kit VIDEO DOWNLINK IPR HD (cockpit instl.)	Control Panel P/N SYS9E130254.	Not compatible for NVIS operation

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G2320F00112	kit PASSENGER BRIEFING SYSTEM	If the P/N 4G2320F00112 is installed, the variant P/N 3G2320P00111 must be applied.	If the P/N 4G2320F00112 is installed, the variant P/N 3G2320P00111 must be applied.
N.A.	4G3340F03011	KIT TRAKKA TLX SEARCHLIGHT	Control Panel P/N 021033-0000601.  Grip Hand Controller P/N 021015-0101050.	Not compatible for NVIS operation
N.A.	4G4600F00311 4G4600F00312	KIT PRIMUS EPIC PHASE 8 KIT PRIMUS EPIC PHASE 8 WITH ADG-400	The kit P/N 4G3360F07711 must be applied.  CCDs (Cursor Control Devices) P/N's F99-05459-SL and F99-05460-SL.	The kit P/N 4G3360F07711 must be applied.  CCDs (Cursor Control Devices) P/N's F99-05459-SL and F99-05460-SL.
N.A.	4G3441F00911	KIT WEATHER RADAR RDR-7000	The kit P/N 4G3360F07911 must be applied. Only Control Panel WC-660 P/N 7008471-690.	The kit P/N 4G3360F07911 must be applied. Only Control Panel WC-660 P/N 7008471-690.
	4G3441F01011		The kit P/N 4G3360F08011 must be applied. Only Control Panel WC-7880 P/N 7008471-7424.	The kit P/N 4G3360F08011 must be applied. Only Control Panel WC-7880 P/N 7008471-7424.
	4G3441F01111		applied.	The kit P/N 4G3360F08111 must be applied. Only Control Panel WC-7700 P/N 7008471-7710.
N.A.	4G2310F07311	KIT RADIO MTR138 VHF-FM	Control Panel P/N MTC100-100N	Control Panel P/N MTC100-100N

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Part Number – Short Nose	Part Number – Long Nose	Description	Restrictions with separation wall	Restrictions without separation wall
N.A.	4G9700F01111	KIT REMOTE CTRL DF-HCAR-R HEXA	-	Control Panel 17-00HXDFAR-R
4G5620F00111	4G5620F00111	KIT BUBBLE WINDOW	-	-
3G5620F00114	3G5620F00114	KIT WINDOWS DOUBLE LAYER GRAY	-	-
4G5340F00111	4G5340F00111	KIT FULL CABIN EXTENSION	-	For soft liners configuration P/N 3G2520A11211 must be applied



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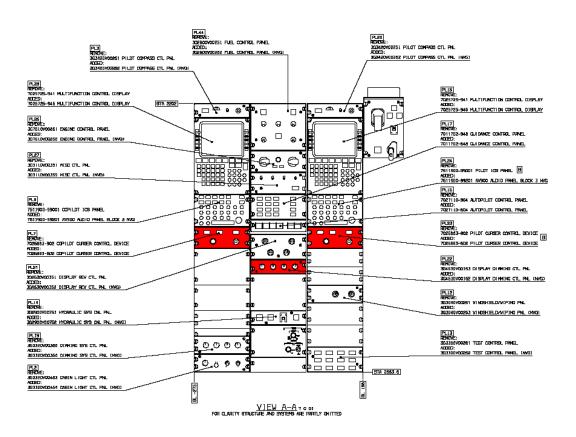


FIGURE 1 - INTERSEAT CONSOLE

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