

StableLight Aircraft Configuration Survey

This Helicopter configuration survey will help to ensure compatibility of the StableLight 4-Axis Autopilot system (FAA STC# SR02572AK) with your helicopter. Please complete this survey and return it to your StandardAero Sales Manager. One survey per aircraft must be completed.

Installation Prerequisites (see also

The following Airbus Helicopters modifications must be embodied prior to installation.

AS350B2:

- ☐ MOD 073188 - Travel reduced on longitudinal cyclic flight control

AS350B3/B3e:

- ☐ MOD 073188 - Travel reduced on longitudinal cyclic flight control
- ☐ MOD 073252 - Yaw anticipator removable parts

Additional prerequisites:

- ☐ Vehicle and Engine Management Display (VEMD)
- ☐ Garmin G500H or G500H Txi or analog KI525 HIS
Approved G500H TXi installation is available.
- ☐ Garmin GTN 650/750 or 650/750Xi GPS/NAV/COMM
Approved GTN 650/750 Xi installation is available.
- ☐ Audio panel (or integrated audio on GTN 750/Xi)
Approved audio panel installation is available.
- ☐ Radar Altimeter
Approved RADALT installation is available.
- ☐ Room for CPDC and autopilot annunciators, buttons on pilot collective & cyclic grips, avionics LRU installation locations as per StableLight Installation Manual.
The collective box installation is not compatible with the following collective stick part numbers: 350A-1380-21, 350A-1380-29, 350A1380-31 (Ref IPC 67-90-10-04).

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System Requirements:

Description	Required Qty.	Requirement / Approved Source(s)	Aircraft Status
Cyclic Grip	1 per pilot installation	The installation has been assessed for compatibility with grip PN 83-910-004.	Existing
Collective Controls	1 per pilot installation	Existing collective controls are modified with new collective control box(es) containing a new switch layout. The installer shall assess existing and new switch requirements for compatibility. Transfer existing switches to the new box.	Existing control; switch box is modified by STC
Yaw Pedals	1 per pilot installation	Force trim switches are mounted on existing pedals. *Extra pedals may be required for the crew that have pilot operational requirements: i.e., pedals extended forward and pedals extended aft.	Existing pedals; modified by STC
VEMD	1	One source from either of the following: B35000A[XXX] B35000E[XXX] B35000B[XXX] B35000F[XXX] B19030[XXX]	Existing
GPS	1	One source from either of the following: Garmin GTN 650H(Xi) / 750H(Xi)	Existing
HTAWs	1	One source from either of the following: Garmin GTN 650H(Xi) / 750H(Xi)	Existing; optional interface
RADALT	1	One source from either of the following: - FreeFlight: RA 4500 - Garmin: GRA55/5500 - Thales: AHV 16 - Bendix King: KRA 405B *The StableLight STC includes approved design data to facilitate the installation of a Garmin or FreeFlight Radalt.	Existing or Installed as per STC

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Description	Required Qty.	Requirement / Approved Source(s)	Aircraft Status
(AD)AHRS	2	Two independent sources of AHRS data. Approved sources: - Garmin GSU 75 ADAHRS - Garmin GRS 79 AHRS - Garmin GRS 77 AHRS *If a GRS 77 is used, the second AHRS shall be a different model. *The STC includes approved design data to facilitate the installation of a GRS 79 AHRS or GSU 75 ADAHRS.	1 Existing 1 New; Qty. 1 GRS 79 is included with the kit
Magnetometer	Min. 1	A minimum of 1 magnetometer on the #1 AHRS is required. Garmin: GMU 44	1 Existing Qty 1 is included with the kit
Air Data	1	One source of Air Data from either of the following: - Garmin ADC: GDC 74 or - Garmin ADAHRS: GSU 75	Existing
Audio Panel	1	One direct audio input is available on audio panel.	Existing
Heading Error	1	One source from either of the following: - Garmin: GDU 620 - Garmin: GDU 1060 - Bendix King: KI 525 HSI* *An additional switching relay and MD41 are required with a KI 525. The StableLight STC includes approved design data to facilitate the installation of these components.	Existing

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1. Customer Information

Company Name: _____

Contact Person: _____

Email Address: _____

2. Aircraft Information

Aircraft Type and Model: _____

Registration Number: _____

Serial Number: _____

Current Location: _____

3. Kit options

Please select your options.

A. Base kit	Installation location: Center console ☐	Instrument panel ☐	
B. Pilot controls kit	Standard collective box ☐	Wide collective box ☐	
C. Co-pilot controls kit	Standard collective box ☐	Wide collective box ☐	
D. Analog cockpit compatibility kit	Requires aircraft equipped with an analog KI525 HSI		☐
E. NVG compatibility kit	Does not including NVG enablement's on the Garmin G500H. Does not constitute NVG approval of the aircraft.		☐
F. Circuit breaker extension kit (Compatible with B3)	Relocates the circuit breakers from side console to a new aft extension if depth is not sufficient for rearranged units in the center console.		☐
G. Radio Altimeter installation kit	Required if aircraft is not already equipped with a Radio Altimeter (includes Radalt)		☐
H. Install services (additional aircraft assessment required)			☐
I. Prefabricated wire harness (partially terminated)			☐
J. Is a vertical reference window installed in the floor beside pilot seat	YES ☐	NO ☐	

To discuss any potential incompatibilities with previous modifications please contact your local StandardAero Sales Manager.

Photos: Ensure the following photos are submitted with this survey.

- Cyclic handle
 - Collective handle
 - Instrument panel or center pedestal (where you would like the control panel installed)
- NOTE: Control panel dimension (5.69"W x 2.93"H x 6.41"L)