

FULL SERVICE IN CRITICAL TIMES



# HELICOPTER STC

## Catalog

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## ORDER INFORMATION

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AIRBUS HELICOPTERS  
**H125/AS350 & H130/EC130**



**StandardAero**





## AIRBUS HELICOPTERS H125/AS350 & H130/EC130

1



**Crash-Resistant Fuel Tank**

2



**ADS-B In/Out solution**

# AS350/EC130 B4

## CRASH-RESISTANT FUEL TANK

FAA STC SR02492AK, PMA PQ1082NM, EASA STC 10064703, TCCA STC SH19-21,  
BRAZIL ANAC AML STC 2020S02-01

### PRODUCT DESCRIPTION

Designed in co-operation with Robertson Fuel Systems LLC, this direct replacement primary fuel tank features several essential safety enhancements, including the introduction of all-new modernized fuel retention technology and the strategic relocation of specific critical components to enhance safety and ease of maintenance further.

Type Certificate Number	Make	Model
H9EU	Airbus Helicopters	AS350 B, B1, B2, B3, BA, D, EC130 B4

### SAFETY FEATURES

- Bladder equipped FAR Part 27 FAA crash-resistant design
- Self-sealing breakaway valve to prevent fuel leakage
- Vent system roll-over protection
- Vent system flame arrestor
- Crash-resistant recessed sump drain valve

### EASE OF MAINTENANCE FEATURES

- PMA approved and low installation time
- Modern fuel quantity transmitter that works with existing gauges both analogue and VEMD
- Quick change cartridge style boost pump, replaceable without draining fuel
- Independent low fuel level sensor
- All main components accessible at the bottom cover plate
- Increased inspection interval on the fuel pump
- Single or dual pump configurations





# H125/AS350 & H130/EC130

## ADS-B IN/OUT SOLUTION

FAA AML STC SR02478AK, EASA STC 10062156, MEXICO DGAC STC IA-405/2017,  
BRAZIL ANAC AML STC PENDING

### PRODUCT DESCRIPTION

The ADS-B Out, plus ADS-B In, retrofit upgrade features an intuitive touch screen display that replaces existing transponders. If console space is a challenge, we offer a remote mounted transceiver with a small control head. With 1090 MHz and Mode S Extended Squitter, the L-3 Lynx Multilink Surveillance System (MSS) unit provides ADS-B traffic and weather data, airport databases, NOTAMS, and TFRs. Other capabilities include MFD/PFD interface as well as optional wifi for PEDS integration.

Type Certificate Number	Make	Model
H9EU	Airbus Helicopters	AS350 C, D, D1, B, B1, B2, BA, B3
H9EU	Airbus Helicopters	EC130 B4, T2

### BENEFITS

- FAA approved ADS-B In and Out upgrade, modern, form factor replacement
- ADS-B In/Out and internal GPS – includes 1090 MHz extended squitter and UAT ADS-B In
- Wireless Connectivity for PEDS (iPad)
- STC approval enhances resale value, accepted internationally and reduces expenses associated with re-quantifying
- Minimal aircraft downtime requirements for installation (approximately three days)

### TECHNICAL INFORMATION

#### Part/Model Number - L3 Lynx NGT-9000 Series

- Panel Mount Mode S Extended Squitter (ES) transponder with intuitive touchscreen interface
- Dual-mode 1090ES ADS-B Out plus 1090 and 978 ADS-B In
- Internal rule-compliant position source (WAAS/GPS)
- Moving maps, including TFRs, airport databases and NOTAMS
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps (*available in the USA only*)
- MFD interface to show traffic and weather data on compatible cockpit displays
- Options available for active traffic, antenna diversity and PED (iPad) Wi-Fi connectivity

#### **Product Certification**

FAA TSO-C112d, C113a, C145c, C147, C151c, C154c, C157a, C166b, C195b

#### Part/Model Number - Garmin GTX-345

- Panel Mount Mode S Extended Squitter (ES) transponder
- Dual-mode 1090ES ADS-B Out plus 1090 and 978 ADS-B In
- Internal rule-compliant position source (WAAS/GPS)
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps (*available in the USA only*)
- Interface to show ADS-B traffic and weather data on compatible cockpit displays
- (iPad) connectivity Bluetooth

#### **Product Certification**

FAA TSO-C112e, C145d, C154c, C157a, C166b, C195a

#### **Kit contents**

- Panel unit
- OEM Installation kits
- Document package containing FMS, ICA, electrical and mechanical install drawings





AIRBUS HELICOPTERS  
**H120/EC120**



**StandardAero**





## AIRBUS HELICOPTERS H120/EC120

1



ADS-B In/Out solution

# H120/EC120

## ADS-B IN/OUT SOLUTION

FAA AML STC SR02478AK, EASA STC 10062156, MEXICO DGAC STC IA-405/2017,  
BRAZIL ANAC AML STC PENDING

### PRODUCT DESCRIPTION

The ADS-B Out, plus ADS-B In, retrofit upgrade features an intuitive touch screen display that replaces existing transponders. If console space is a challenge, we offer a remote mounted transceiver with a small control head. With 1090 MHz and Mode S Extended Squitter, the L-3 Lynx Multilink Surveillance System (MSS) unit provides ADS-B traffic and weather data, airport databases, NOTAMS, and TFRS. Other capabilities include MFD/PFD interface as well as optional wifi for PEDS integration.

Type Certificate Number	Make	Model
R0001RD	Airbus Helicopters	EC120B

### BENEFITS

- FAA approved ADS-B In and Out upgrade, modern, form factor replacement
- ADS-B In/Out and internal GPS – includes 1090 MHz extended squitter and UAT ADS-B In
- Wireless Connectivity for PEDS (iPad)
- STC approval enhances resale value, accepted internationally and reduces expenses associated with re-quantifying
- Minimal aircraft downtime requirements for installation (approximately three days)

### TECHNICAL INFORMATION

#### Part/Model Number - L3 Lynx NGT-9000 Series

- Panel Mount Mode S Extended Squitter (ES) transponder with intuitive touchscreen interface
- Dual-mode 1090ES ADS-B Out plus 1090 and 978 ADS-B In
- Internal rule-compliant position source (WAAS/GPS)
- Moving maps, including TFRs, airport databases and NOTAMS
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps *(available in the USA only)*
- MFD interface to show traffic and weather data on compatible cockpit displays
- Options available for active traffic, antenna diversity and PED (iPad) Wi-Fi connectivity

#### **Product Certification**

FAA TSO-C112d, C113a, C145c, C147, C151c, C154c, C157a, C166b, C195b

#### Part/Model Number - Garmin GTX-345

- Panel Mount Mode S Extended Squitter (ES) transponder
- Dual-mode 1090ES ADS-B Out plus 1090 and 978 ADS-B In
- Internal rule-compliant position source (WAAS/GPS)
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps *(available in the USA only)*
- Interface to show ADS-B traffic and weather data on compatible cockpit displays
- (iPad) connectivity Bluetooth

#### **Product Certification**

FAA TSO-C112e, C145d, C154c, C157a, C166b, C195a

#### **Kit contents**

- Panel unit
- OEM Installation kits
- Document package containing FMS, ICA, electrical and mechanical install drawings







AIRBUS HELICOPTERS  
**H135/EC135**



**StandardAero**





## AIRBUS HELICOPTERS H135/EC135

1



ADS-B In/Out solution



# H135/EC135

## ADS-B IN/OUT SOLUTION

FAA AML STC SR02478AK, EASA STC 10062156, MEXICO DGAC STC IA-405/2017, BRAZIL ANAC AML STC PENDING

### PRODUCT DESCRIPTION

The ADS-B Out, plus ADS-B In, retrofit upgrade features an intuitive touch screen display that replaces existing transponders. If console space is a challenge, we offer a remote mounted transceiver with a small control head. With 1090 MHz and Mode S Extended Squitter, the L-3 Lynx Multilink Surveillance System (MSS) unit provides ADS-B traffic and weather data, airport databases, NOTAMS, and TFRS. Other capabilities include MFD/PFD interface as well as optional wifi for PEDS integration.

Type Certificate Number	Make	Model
H88EU	Airbus Helicopters	EC135 P1, T1, P2, T2, P2+, T2+, P3, T3

### BENEFITS

- FAA approved ADS-B In and Out upgrade, modern, form factor replacement
- ADS-B In/Out and internal GPS – includes 1090 MHz extended squitter and UAT ADS-B In
- Wireless Connectivity for PEDS (iPad)
- STC approval enhances resale value, accepted internationally and reduces expenses associated with re-quantifying
- Minimal aircraft downtime requirements for installation (approximately three days)

### TECHNICAL INFORMATION

#### Part/Model Number - L3 Lynx NGT-9000 Series

- Panel Mount Mode S Extended Squitter (ES) transponder with intuitive touchscreen interface
- Dual-mode 1090ES ADS-B Out plus 1090 and 978 ADS-B In
- Internal rule-compliant position source (WAAS/GPS)
- Moving maps, including TFRs, airport databases and NOTAMS
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps (*available in the USA only*)
- MFD interface to show traffic and weather data on compatible cockpit displays
- Options available for active traffic, antenna diversity and PED (iPad) Wi-Fi connectivity

#### **Product Certification**

FAA TSO-C112d, C113a, C145c, C147, C151c, C154c, C157a, C166b, C195b

#### Part/Model Number - Garmin GTX-345

- Panel Mount Mode S Extended Squitter (ES) transponder
- Dual-mode 1090ES ADS-B Out plus 1090 and 978 ADS-B In
- Internal rule-compliant position source (WAAS/GPS)
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps (*available in the USA only*)
- Interface to show ADS-B traffic and weather data on compatible cockpit displays
- (iPad) connectivity Bluetooth

#### **Product Certification**

FAA TSO-C112e, C145d, C154c, C157a, C166b, C195a

#### **Kit contents**

- Panel unit
- OEM Installation kits
- Document package containing FMS, ICA, electrical and mechanical install drawings





AIRBUS HELICOPTERS  
**AS332** SUPER PUMA



**StandardAero**





# AIRBUS HELICOPTERS AS332 Super Puma

①



Cockpit Voice and Flight Data Recorder

②



Night Vision Goggle Compatible Cockpit

③



Helicopter Emergency Egress Lighting (HEEL) System

④



Dual Garmin NAV/COMM/GPS

⑤



Satellite Tracking System

⑥



ADS-B In/Out Solution

# AS332

## COCKPIT VOICE and FLIGHT DATA RECORDER (CVFDR)

EASA STC 10052960, FAA STC SR02415AK, MEXICO DGAC STC IA-389-2016

### PRODUCT DESCRIPTION

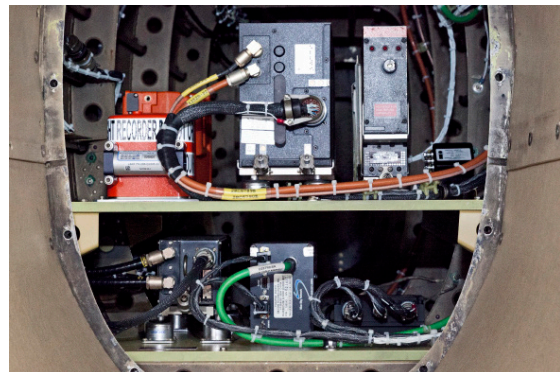
The Cockpit Voice and Flight Data Recorder (CVFDR) retrofit package feature a lightweight, solid, low power consumption state-of-the-art CVFDR with an underwater acoustic beacon and a six-year battery-life warranty. A digital flight data acquisition unit is also included as part of the system. The system can record over 25 flight data parameters with integrated optional Recorder Independent Power Supply (RIPS), requiring no additional wiring.

Type Certificate Number	Make	Model
H4EU	Airbus Helicopters France	AS332C
H4EU	Airbus Helicopters France	AS332L, AS332L1

### BENEFITS

- The only FAA approved CVFDR retrofit solution available on the market
- Further enhances the mission capability profile of the venerable AS332 helicopter
- Minimal downtime for retrofit

Operating temperature	-55°C to 70°C (-67°F to 158°F)
Part/model number	L3 Com FA5001 CVFDR





# AS332

## NIGHT VISION GOGGLE (NVG) COMPATIBLE COCKPIT

### FAA STC SR02405AK

#### PRODUCT DESCRIPTION

The Night Vision Google (NVG) replaces existing system internal lighting with a circumferential bezel floodlight, external lighting with covert lighting, and cabin lighting with NVG compliant lighting.

Type Certificate Number	Make	Model
H4EU	Airbus Helicopters France	AS332C, AS332L, AS332L1

#### BENEFITS

- Night vision goggles operate by sensing smallest amount of natural and artificial light
- NVGs allow air crews to view terrain, avoid obstacles and observe changing weather conditions usually hidden by darkness
- Day/night readable without NVG goggles
- Compatible with ITT 4949 series and L3 M949 series NVG goggles meeting class B operational requirements
- STC meets commercial standards of RTCA/DO-275/268, TSO-C164 and meets the military specifications MIL-L-85762A and MIL-STD-3009

#### TECHNICAL INFORMATION

Mil specs	MIL-L-86762A Lighting, Aircraft, Interior, Night Vision Imaging System (NVIS) Compatible, MIL-STD-3009 Lighting, Aircraft, Night Vision Imaging System (NVIS) Compatible
Part/model number	Compatible models include ITT F4949 Series, Litton/Northrop-Grumman/L3 M949 systems.



# AS332

## HELICOPTER EMERGENCY EGRESS LIGHTING (HEEL) SYSTEM

EASA STC 10047200, FAA STC SR02398AK

### PRODUCT DESCRIPTION

The HEEL system is a supplemental lighting system and is a prerequisite to installing the original OEM emergency lighting system.

Type Certificate Number	Make	Model
H4EU	Airbus Helicopters France	AS332C
H4EU	Airbus Helicopters France	AS332L, AS332L1

### BENEFITS

- Can be activated by emergency events such as loss of helicopter power, water and impact
- Following a ditching or crash, the HEEL system identifies emergency escape hatches, push out windows and emergency exits by illuminating their perimeter
- Mandatory for offshore operations
- Watertight up to 50 feet for 20 minutes

### TECHNICAL INFORMATION

Weight	7.85 lb (3 kg)
Part/model number	Luminescent System Inc, HEEL System





## PRODUCT DESCRIPTION

Installation of a Dual Garmin GNS 530W system on an AS332 L1 rotorcraft.

Type Certificate Number	Make	Model
H4EU	Airbus Helicopters France	AS332C
H4EU	Airbus Helicopters France	AS332L, AS332L1

## BENEFITS

- Combined NAV/Comm/GPS unit mounted in the console
- Eliminates need for multiple remote boxes to save space and reduce weight
- Dual units for redundancy
- Approved for IFR operations and for LPV approaches
- Meets FAA TSO C146a standards for WAAS “sole means” navigation
- Enhances situational awareness
- Class-B TAWS capable
- Jeppesen navigation database provides magnitude of flight information
- Capable of displaying XM weather information, NEXRAD weather graphics, METARs
- Capable of integration with TCAD, WX Radar, Transponder, XM Satellite Datalink

Unit dimensions (WxHxD)	6.25 in. W x 4.60 in. H x 11.0 in. D (15.9 cm x 11.7 cm x 27.9 cm)
Display size (WxHxD)	4.0 in. W x 3.0 in. H (10.2 cm x 7.6 cm)
Display resolution (WxH)	320 x 234 pixels
Display type	8 color TFT LCD; sunlight readable
Weight	9.5 lb (4.3 kg)
Voltage range	14 -28
Built-in VHF Comm	Yes, 8.33/25 kHz channel spacing
Transmit power	10 watts minimum; 16 watts minimum (GNS 530A)
Built-in VOR/Loc/Glideslope	Yes, ICAO annex 10 FM compliant
SBAS/WAAS receiver	15 channel
IFR or VFR	IFR
Part/model number	GNS530W

# AS332

## SATELLITE TRACKING SYSTEM

### FAA STC SR02393AK

## PRODUCT DESCRIPTION

Installation of a SkyTrac ISAT model 100 or model 200, flight following satellite communication system. The unit offers two-way voice communication between aircraft and ground. System flight following enables aircraft tracking and flight mapping.

Type Certificate Number	Make	Model
H4EU	Airbus Helicopters France	AS332C
H4EU	Airbus Helicopters France	AS332L
H4EU	Airbus Helicopters France	AS332L1, AS332L2

## BENEFITS

- Global flight following, voice, messaging and data transfer
- Easily integrates with other on-board equipment
- Automatic operation - no pilot interaction required

### Hardware Features

- Single TSO GPS and iridium dual antenna
- Smart tray installation with field replaceable transceiver
- Two-way voice communication
- SD card interface for quick data download and firmware upgrades
- Supports Wi-Fi or Bluetooth interface for additional onboard connection options
- Internal field replaceable battery to enable emergency mode in case of aircraft power loss, as well as the sending of a final "power off" event which provides more accurate flight times for billing and maintenance purposes

### Cockpit Interface (Dialer and Display)

- Send/receive pre-configured, editable field or free-form messages
- Send/receive satellite phone calls
- Emergency switch
- Tag flight number of pilot log to each position report

Part/model number	ISAT-100/ ISAT-200
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# AS332

## ADS-B IN/OUT SOLUTION

FAA STC SR02473AK, EASA STC 10060043, BRAZIL ANAC AML STC 2016S06-13, MEXICO DGAC STC IA-388/2016, REPUBLIC OF INDONESIA DGCA STC SR033, MALAYSIA CAAM STC VSTC-2020-034

### PRODUCT DESCRIPTION

The ADS-B Out, plus ADS-B In, retrofit upgrade features an intuitive touch screen display that replaces existing transponders. If console space is a challenge, we offer a remote mounted transceiver with a small control head. With 1090 MHz and Mode S Extended Squitter, the L-3 Lynx Multilink Surveillance System (MSS) unit provides ADS-B traffic and weather data, airport databases, NOTAMS, and TFRS. Other capabilities include MFD/PFD interface as well as optional wifi for PEDS integration.

Type Certificate Number	Make	Model
H4EU	Airbus Helicopters France	AS332C, AS332L, AS332L1

### BENEFITS

- ADS-B In/Out and internal GPS – includes 1090 MHz extended squitter and UAT ADS-B In
- Wi-Fi enabled for use with Portable Electronic Devices (PEDs)
- Minimal aircraft downtime requirements for installation (*approximately 4 days*)

### TECHNICAL INFORMATION

#### Part/Model Number

L3 Lynx NGT-9000 Series

#### Features

- Mode S extended squitter (ES) transponder with intuitive touchscreen interface
- Dual-mode 1090ES ADS-B Out plus 1090 MHz and 978 MHz ADS-B In
- Designed for 14V and 28V installations
- Patented Lynx Tail provides flight ID, aircraft type and ground speed data of other ADS-B traffic
- Internal rule-compliant position source (WAAS/GPS)
- Moving maps, including TFRs, airport databases and NOTAMS
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps (*available in the USA only*)
- Aloft, AIRMETs and SIGMETs
- ADS-B traffic (ADS-B, ADS-R and TIS-B) with option for the L-3 NextGen Active Traffic enablement
- MFD/PFD interface to show traffic and weather data on compatible cockpit displays
- Options available for active traffic, antenna diversity and PED Wi-Fi connectivity

#### Product Certification

FAA TSO-C112d, C113a, C145c, C151c, C154c, C157a, C166b, C195b

#### Kit Contents

- Panel or remote processor unit
- Wiring
- Installation kits
- Low-loss XPDR coax harness
- Low-loss GPS coax harness
- Document package containing FMS, ICA, electrical and mechanical install drawings





BELL  
**206**



**StandardAero**





# BELL 206

①



**SAGEM Electronic Flight Instrument System and AHRS Upgrade**

②



**Single SAGEM Avionics ICDS-8 Integrated Cockpit Display System with Attitude and Heading Reference Inputs and a Garmin GNS430 NAV/COMM/GPS System**

③



**Carbon Fiber Modular Tailboom Drive Cover**

# BELL 206

## SAGEM ELECTRONIC FLIGHT INSTRUMENT SYSTEM and AHRS UPGRADE FAA STC SR02292AK, TCCA STC SH08-18, EASA.IM.R.S.01369 10016968

### PRODUCT DESCRIPTION

The SAGEM Electronic Flight Instrument System and Upgrade installation include SAGEM integrated cockpit displays with one, two, or three-screen options. It has Garmin GNS-430/530W GPS/NAV/Com system options and Crossbow or SAGEM Att/Hdg reference system options. A two-inch standby instrument package is available and includes a panel allowing for remote adjustment of HDG, CRS, and BARO.

Type Certificate Number	Make	Model
H2SW	Bell Helicopter Textron (Canada)	206, 206A
H2SW	Bell Helicopter Textron (Canada)	206A-1 (OH-58A)
H2SW	Bell Helicopter Textron (Canada)	206B, 206B-1
H2SW	Bell Helicopter Textron (Canada)	206L, 206L-1, 206L-3, 206L-4

### BENEFITS

- Replaces standard instrumentation with a lightweight, cost-effective advantage
- Integrated engine display replaces all mechanical indicators
- Offers better situational awareness with significantly reduced pilot workload

### TECHNICAL INFORMATION

Screen	LCD
Size	8.4 in. or 10.4 in. (21.3 cm or 26.4 cm) landscape or portrait mode
Power supply	10 - 35 VDC
Wattage (max)	50 watts, 14 - 28 volts
Operating temperature	-20°C to 70°C (-4°F to 158°F)
Storage temperature	-40°C to 80°C (-40°F to 176°F)
Serial input/output	4 RS-232/422
Inputs	8 discrete, NTSC option, external brightness control, external push buttons, external keyboard
Outputs	16 discrete, audio output
MTBF	5,000 hrs
Part/model number	SAGEM Avionics ICDS-8



# BELL 206

## SINGLE SAGEM AVIONICS ICDS-8 INTEGRATED COCKPIT DISPLAY SYSTEM with ATTITUDE and HEADING REFERENCE INPUTS and a GARMIN GNS430 NAV/COMM/GPS SYSTEM FAA STC SR02326AK

### PRODUCT DESCRIPTION

SAGEM single display Integrated Cockpit Display System (ICDS) and AHRS system.

Type Certificate Number	Make	Model
H2SW	Bell Helicopter Textron (Canada)	206, 206A
H2SW	Bell Helicopter Textron (Canada)	206A-1 (OH-58A)
H2SW	Bell Helicopter Textron (Canada)	206B, 206B-1
H2SW	Bell Helicopter Textron (Canada)	206L, 206L-1, 206L-3, 206L-4

### BENEFITS

- Replaces standard instrumentation with a lightweight, cost-effective advantage and offers better situational awareness with significantly reduced pilot workload.

Screen	LCD
Size	8.4 in. (21.3 cm) portrait orientation
Power supply	10 - 35 VDC
Wattage (max)	50 watts, 14 - 28 volts
Operating temperature	-20°C to 70°C (-4°F to 158°F)
Storage temperature	-40°C to 80°C (-40°F to 176°F)
Serial input/output	4 RS-232/422
Inputs	8 discrete, NTSC option, external brightness control, external push buttons, external keyboard
Outputs	16 discrete, audio output
MTBF	5,000 hrs
Part/model number	SAGEM Avionics ICDS-8, Garmin GNS430

# BELL 206

## CARBON FIBER MODULAR TAILBOOM DRIVE COVER

FAA STC SR01149SE, TCCA STC SH03-25

### PRODUCT DESCRIPTION

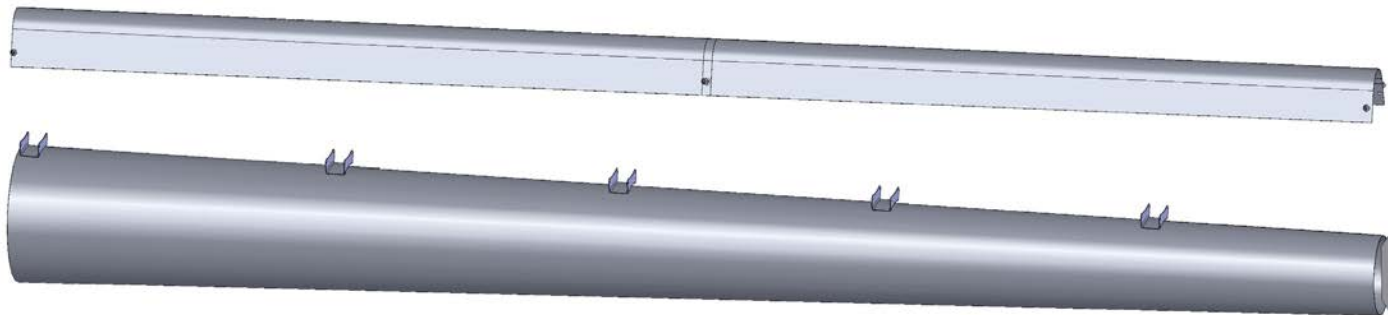
Alternate tailboom drive cover.

Type Certificate Number	Make	Model
H2SW	Bell Helicopter Textron (Canada)	206B

### BENEFITS

- Lighter, stronger, dent resistant, and two-piece modular for easier installation and shipping

Weight	Negligible
Moment arm (m)	Negligible
Material	Carbon fiber
Operational limitations	No change
Retrofit information	Some special drills and tooling required to install
Part/model number	H206-031-462







BELL

**427/430**



**StandardAero**



# BELL 427/430



**Bulkhead Adapter**



- FSI Ultra Media II or III, or Wescam 16SS-320, 16SS-B750/725, 16SS-1000, 16DB-750 Camera and Isolation Mount  
- FSI Ultra Media II Camera and Isolation Mount



- Nose-Mounted Tokimec/Cineflex Gyro Stabilizer E.N.G Camera  
- Tokimec Antenna Array



# BELL 427

## BULKHEAD ADAPTOR

FAA STC SR01520NY, TCCA STC SH02-20

### PRODUCT DESCRIPTION

Bulkhead installation that is easily installed behind the rear seats against the rear wall to move seating forward.

Type Certificate Number	Make	Model
R00001RC	Bell Helicopter Textron (Canada)	427
H-103	Bell Helicopter Textron	427

### BENEFITS

- Clear view from main cabin windows
- Improves rear passenger photography capability

### TECHNICAL INFORMATION

Part/model number	HP42725-11-801-001
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# BELL 427

FSI ULTRA MEDIA II OR III, or WESCAM 16SS-320, 16SS- B750/725, 16SS-1000, 16DB-750 CAMERA and ISOLATION MOUNT, FSI ULTRA MEDIA II CAMERA and ISOLATION MOUNT

FAA STC SR01262NY, TCCA STC SH00-41

## PRODUCT DESCRIPTION

Installation of a camera system with an isolation mounting system, designed in-house to meet customer installation and usage requirements.

Type Certificate Number	Make	Model
R00001RC	Bell Helicopter Textron (Canada)	427

## BENEFITS

- Lightweight, highly durable materials are used to manufacture the isolation mount that can be adapted to mount with a number of camera systems
- If another type of camera system or a newer system/mounting is required, it can be developed in-house to meet customer requirements
- Internal turret design for unprecedented stability
- High magnification
- Outstanding image quality
- Five axis microprocessor controlled gyro stabilization technology

## TECHNICAL INFORMATION

Operational limitations	-20°C to 45°C (-4°F to 113°F)
Part/model number	FSI Ultra Media II, III or Wescam 16SS-320, 16SS-B750/725, 16SS-1000, 16DB-750



# BELL 430

## NOSE-MOUNTED TOKIMEC/CINEFLEX GYRO-STABILIZED E.N.G CAMERA TOKIMEC ANTENNA ARRAY FAA STC SR01451SE & FAA STC SR01452SE

### PRODUCT DESCRIPTION

Installation of camera system with antenna array for live broadcasting.

Type Certificate Number	Make	Model
H9SW	Bell Helicopter Textron (Canada)	430

### BENEFITS

- Complete all-in-one system installation
- Includes camera system and the installation of antennas required for live broadcasting of images/video for news or sporting events to a ground station

### TECHNICAL INFORMATION

Part/model number	Cineflex HDV14, 430-23-00-101
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BELL

**205/212**

SINGLE



**StandardAero**



## BELL 205/212 SINGLE

①



**SAGEM Three (3) Display Electronic Flight Instrument System with AHRS System**

# BELL 205/BELL 212 SINGLE

## SAGEM THREE (3) DISPLAY ELECTRONIC FLIGHT INSTRUMENT SYSTEM and AHRS SYSTEM

FAA STC SR03043NY, TCAA STC SH09-59

### PRODUCT DESCRIPTION

SAGEM ICDS three (3) display Integrated Cockpit Display System (ICDS) and AHRS system.

Type Certificate Number	Make	Model
H105	Bell Helicopter Textron	205B
H86	Bell Helicopter Textron	212
H1SW	Bell Helicopter Textron	205A, 206A-1

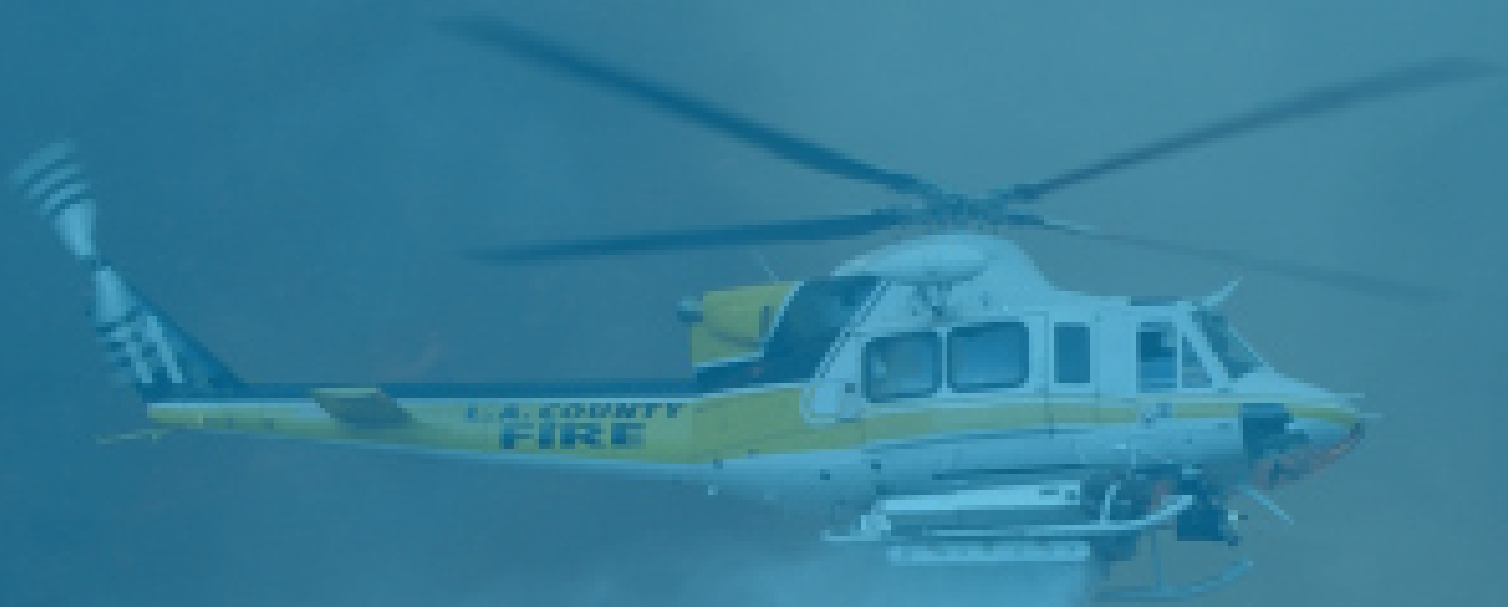
### BENEFITS

- Replaces standard instrumentation including critical engine parameter monitoring instruments with a light weight cost effective solution
- Offers better situational awareness with a significantly reduced pilot workload

### TECHNICAL INFORMATION

Screen	LCD
Size	10.4 in. (26.4 cm) landscape or portrait mode
Power supply	10 - 35 VDC
Wattage (max)	50 watts, 14 - 28 volts
Operating temperature	-20°C to 70°C (-4°F to 158°F)
Storage temperature	-40°C to 80°C (-40°F to 176°F)
Serial input/output	4 RS-232/422
Inputs	8 discrete, NTSC option, external brightness control, external push buttons, external keyboard
Outputs	16 discrete, audio output
MTBF	5,000 hrs
Weight	Variable
Moment arm (m)	Variable
Material	See TSOs
Operational limitations	Aircraft specific
Part number	Multi levelled





BELL

**212/412**

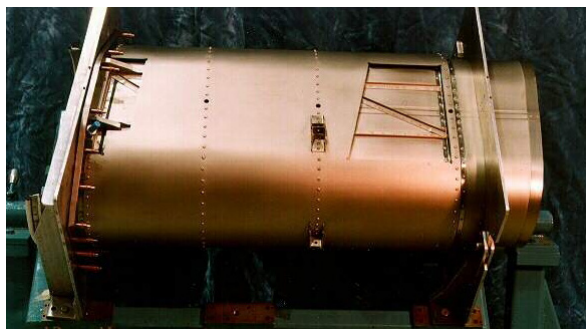


**StandardAero**



# BELL 212/412

1



Overhauled Exhaust Ejectors

2



ADS-B In/Out Solution

# BELL 212/412

## OVERHAULED EXHAUST EJECTORS FAA STC SH767NE, TCCA STC SH90-9

### PRODUCT DESCRIPTION

Bell 212/412 overhauled exhaust ejectors.

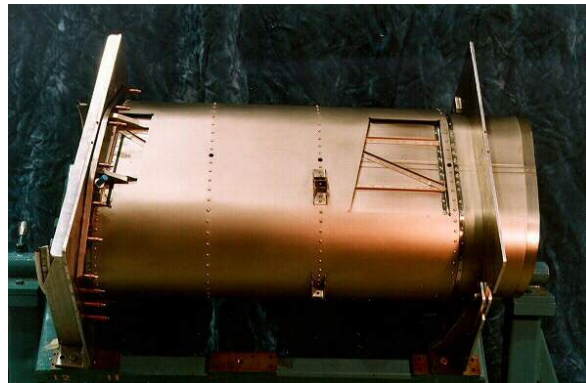
Type Certificate Number	Make	Model
H4SW	Bell Helicopter Textron	212, 412
H-86	Bell Helicopter Textron	212, 412

### BENEFITS

- Cost-effective: exhaust ejectors can be repaired/overhauled instead of having to purchase replacements

### TECHNICAL INFORMATION

Part/model number	89-104-004, 212-061-201 and 212-061-216
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# BELL 212/412

## ADS-B IN/OUT SOLUTION

FAA STC SR02473AK, EASA STC 10060043, BRAZIL ANAC AML STC 2016S06-13, MEXICO DGAC STC IA-388/2016, REPUBLIC OF INDONESIA DGCA STC SR033, MALAYSIA CAAM STC VSTC-2020-034, FAA STC SR02512AK INSTALLATION OF A DUAL UNIVERSAL AVIONICS EFI-890H PFD, GARMIN GTN-750 NAV/COM/GPS/HTAWS/ADS-B, ROCKWELL COLLINS AHC-1000 AHRS

### PRODUCT DESCRIPTION

The ADS-B Out, plus ADS-B In, retrofit upgrade features an intuitive touch screen display that replaces existing transponders. If console space is a challenge, we offer a remote mounted transceiver with a small control head. With 1090 MHz and Mode S Extended Squitter, the L-3 Lynx Multilink Surveillance System (MSS) unit provides ADS-B traffic and weather data, airport databases, NOTAMS, and TFRS. Other capabilities include MFD/PFD interface as well as optional wifi for PEDS integration.

Type Certificate Number	Make	Model
H4SW	Bell Helicopter Textron	212
H4SW	Bell Helicopter Textron	412, 412EP, 412CF

### BENEFITS

- FAA, EASA, Brazil ANAC, Mexico DGAC, Republic of Indonesia DGCA, and Malaysia CAAM approved ADS-B upgrade
- ADS-B In/Out and internal GPS – includes 1090 MHz extended squitter and UAT ADS-B In
- Wi-Fi enabled for use with Portable Electronic Devices (PEDS)
- Minimal aircraft downtime requirements for installation (*approximately 4 days*)

### TECHNICAL INFORMATION

#### Part/Model Number

L3 Lynx NGT-9000 Series

#### Features

- Mode S extended squitter (ES) transponder with intuitive touchscreen interface
- Dual-mode 1090ES ADS-B Out plus 1090 MHz and 978 MHz ADS-B In
- Designed for 14V and 28V installations
- Patented Lynx Tail provides flight ID, aircraft type and ground speed data of other ADS-B traffic
- Internal rule-compliant position source (WAAS/GPS)
- Moving maps, including TFRs, airport databases and NOTAMS
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps (*available in the USA only*)
- Aloft, AIRMETs and SIGMETs
- ADS-B traffic (ADS-B, ADS-R and TIS-B) with option for the L-3 NextGen Active Traffic enablement
- MFD/PFD interface to show traffic and weather data on compatible cockpit displays
- Options available for active traffic, antenna diversity and PED Wi-Fi connectivity

#### Product Certification

FAA TSO-C112d, C113a, C145c, C151c, C154c, C157a, C166b, C195b

#### Kit Contents

- Panel or remote processor unit
- Wiring
- Installation kits
- Low-loss XPDR coax harness
- Low-loss GPS coax harness
- Document package containing FMS, ICA, electrical and mechanical install drawings





BELL

UH-1H

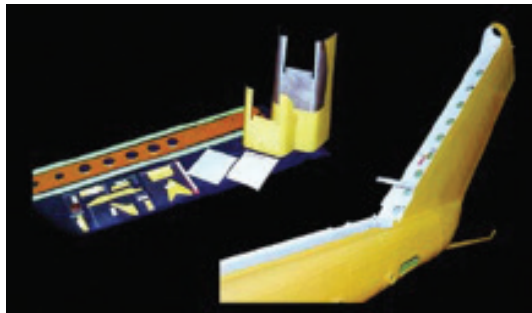


StandardAero



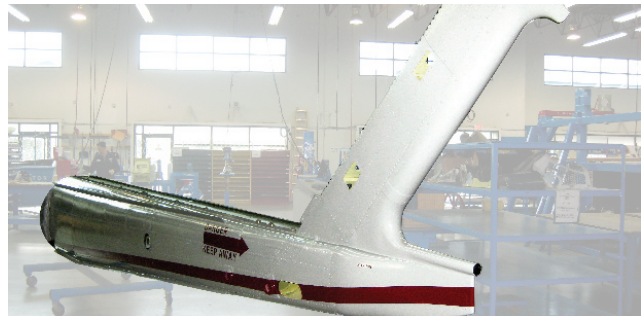
# BELL UH-1H

①



Spar Replacement System

②



Vertical Tail Fin with 42° and 90° Gearboxes and 212 Push Rod System



# BELL UH-1/204

## SPAR REPLACEMENT SYSTEM

### FAA STC SR00767SE

## PRODUCT DESCRIPTION

Fabrication and installation of Helipro Spar Replacement System.

Type Certificate Number	Make	Model
H11SW	AST, Inc	UH-1F
H12NM	Rotorcraft Development Corp	UH-1F
H12NM	Rotorcraft Development Corp	TH-1F
H12NM	Rotorcraft Development Corp	UH-1P
H13WE	Rotorcraft Development Corp	UH-1B
H13WE	Rotorcraft Development Corp	UH-1H
H15NM	Hagglund Helicopters	UH-1H
H1RM	San Joaquin Helicopters	UH-1B
H1SW	Bell Helicopter Textron	204B
H3SO	Richards Heavylift Helo, Inc	UH-1B, UH-1H
H7NE	Tamarack Helicopters, Inc	UH-1F
H7SO	OAS Parts LLC	UH-1H

## BENEFITS

- Unlimited life and is approved AMOC for AD 99-25-12

## TECHNICAL INFORMATION

Weight	Recommend reweigh of A/C
Moment arm (m)	Recommend reweigh of A/C
Material	See STC approved model list
Operational limitations	No change
Retrofit information	Requires special training and UH-1H tailboom fixture
Part/model number	See Approved Model List (AML)

# BELL UH-1H

## VERTICAL TAIL FIN with 42° and 90° GEARBOXES and 212 PUSH ROD SYSTEM FAA STC SR00267SE

### PRODUCT DESCRIPTION

Fabrication and installation of a 212 Vertical Tail Fin and Rotor, 42° and 90° Gearboxes, 212 push rod, and anti-torque control system for UH-1H restricted category rotorcraft.

Type Certificate Number	Make	Model
H15NM	Hagglund Helicopters	UH-1H
H7SO	OAS Parts LLC	UH-1H
R00004RC	JJASPP/Vector	UH-1H

### BENEFITS

Increased MTBF, improved maintenance procedures, and improved operating performance. This STC also eliminates requirement for AD 99-25-12.

- Improved hover-hold tasks, yaw control and high DA capability
- Reduced cruise torque, tail rotor power requirements and fuel consumption

### TECHNICAL INFORMATION

Weight	Recommend reweigh of A/C
Moment arm (m)	Recommend reweigh of A/C
Material	See MDL
Operational limitations	RFMS section II torque available. Maximum time for operation exceeding 47.5 psi is 5 min
Retrofit information	“D” level major modification. Requires UH-1H/205/212 tailboom fixture and special training
Part/model number	MDL DM9405-3





LEONARDO HELICOPTERS

**AW139**



**StandardAero**





# LEONARDO HELICOPTERS AW139

①



ADS-B In/Out solution

# AW139

## ADS-B IN/OUT SOLUTION

FAA STC SR02473AK, EASA STC 10060043, BRAZIL ANAC AML STC 2016S06-13, MEXICO DGAC STC IA-388/2016, REPUBLIC OF INDONESIA DGCA STC SR033, MALAYSIA CAAM STC VSTC-2020-034

### PRODUCT DESCRIPTION

The ADS-B Out, plus ADS-B In, retrofit upgrade features an intuitive touch screen display that replaces existing transponders. If console space is a challenge, we offer a remote mounted transceiver with a small control head. With 1090 MHz and Mode S Extended Squitter, the L-3 Lynx Multilink Surveillance System (MSS) unit provides ADS-B traffic and weather data, airport databases, NOTAMS, and TFRS. Other capabilities include MFD/PFD interface as well as optional wifi for PEDS integration.

Type Certificate Number	Make	Model
RD0002Rd	Leonardo Helicopters	AW139/AB139

### BENEFITS

- ADS-B In/Out and internal GPS – includes 1090 MHz extended squitter and UAT ADS-B In
- Wi-Fi enabled for use with Portable Electronic Devices (PEDs)
- Minimal aircraft downtime requirements for installation (*approximately 4 days*)

### TECHNICAL INFORMATION

#### Part/Model Number

L3 Lynx NGT-9000 Series

#### Features

- Mode S extended squitter (ES) transponder with intuitive touchscreen interface
- Dual-mode 1090ES ADS-B Out plus 1090 MHz and 978 MHz ADS-B In
- Designed for 14V and 28V installations
- Patented Lynx Tail provides flight ID, aircraft type and ground speed data of other ADS-B traffic
- Internal rule-compliant position source (WAAS/GPS)
- Moving maps, including TFRs, airport databases and NOTAMs
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps aloft (*available in the USA only*)
- AIRMETs and SIGMETs
- ADS-B traffic (ADS-B, ADS-R and TIS-B) with option for the L-3 NextGen Active Traffic enablement
- Options available for active traffic, antenna diversity and PED Wi-Fi connectivity

#### Product Certification

FAA TSO-C112d, C113a, C145c, C151c, C154c, C157a, C166b, C195b

#### Kit Contents

- Panel or remote processor unit
- OEM Installation kits
- Document package containing FMS, ICA, electrical and mechanical install drawings
- Lighting power supply





SIKORSKY  
**S-76**



**StandardAero**





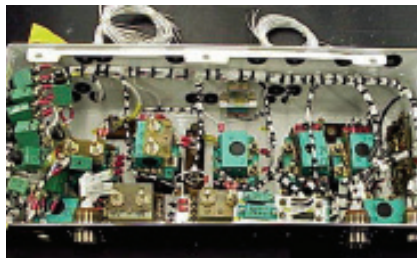
# S-76 SIKORSKY

①



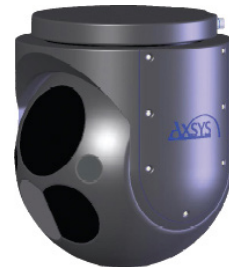
Rockwell Collins Four (4) Display FDS Electronic Flight Instrument System Upgrade with Dual AHRS

②



Modularized Main DC Electrical Junction Box

③



AXSYS Forward Looking Infra-Red (FLIR)

④



ADS-B In/Out Solution

# S-76

## ROCKWELL COLLINS FOUR (4) DISPLAY FDS ELECTRONIC FLIGHT INSTRUMENT SYSTEM UPGRADE and DUAL AHRS FAA STC SR01367SE

### PRODUCT DESCRIPTION

Rockwell Collins FDS-2000 Instrument Display System (IDS) with Dual Rockwell Collins AHRS.

Type Certificate Number	Make	Model
H1NE	Sikorsky Aircraft Corporation	S-76A, S-76B, S-76C

### BENEFITS

- Improved situational awareness
- Enhanced information management
- Improved system reliability and maintainability
- Reduced pilot workload
- Aircraft weight reduction
- Optional NVG compliant displays
- 5 in. Liquid Crystal Displays (LCD)
- Advanced graphics capabilities that support the display of terrain
- Weather radar and traffic collision avoidance information
- Flight management system maps and other advanced information on the horizontal situation indicator or multi-function display
- AHRS feature a digital quartz sensor, significantly improving accuracy and reliability while reducing volume, weight, power consumption, and cost of ownership

### TECHNICAL INFORMATION

Part/model number	76-24-51-101
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# S-76

## MODULARIZED MAIN DC ELECTRICAL JUNCTION BOX

FAA STC SR01520SE

### PRODUCT DESCRIPTION

S-76 main DC electrical junction box rewire to incorporate modular design.

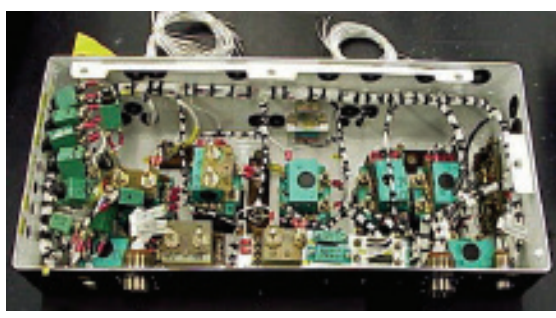
Type Certificate Number	Make	Model
H1NE	Sikorsky Aircraft Corporation	S-76A, S-76B, S-76C

### BENEFITS

- Simplified maintenance: the DC junction box can be disconnected and removed from the aircraft by disengaging the five electrical connectors
- Less solder connectors - improved reliability
- Exchange assembly program available

### TECHNICAL INFORMATION

Operational limitations	Aircraft specific
Part/model number	76-24-51-101





## PRODUCT DESCRIPTION

### Camera and equipment system consists of four major assemblies

**A.** Gimbal/turret mounted on the exterior of aircraft nose containing camera and lens. The turret unit includes a set of gyro-stabilized gimbals that provide four axis of line of sight stability for the multi-sensor platform that features electro-optical (EO) and infrared (IR) cameras. The unit houses control motors and mechanical systems and the necessary electronics, gyroscopes, encoders, and circuitry for control of system features.

**B.** Hand controller located in the aircraft is used to operate the camera and position the gimbal/turret. The V9 MS hand control unit is the user interface component for operating the AXSYS V9 MS CAMERA SYSTEM. The unit is NVG compatible and ergonomically designed for comfortable and flexible operation. It provides movement control of the turret unit and operates the cameras and other system features. The control system has provisions to control third-party accessories such as an external searchlight or automatic target tracker and can interface with a moving map system.

**C.** The V9 MS auxiliary junction unit contains the necessary circuitry required to execute the camera control commands. The unit houses the video distribution amplifier, signal converters, IC boards, and cooling fan and supplies clean power and connectivity for the system.

**D.** Monitor and keyboard located on LH side of the instrument panel and/or the passenger cabin.

Type Certificate Number	Make	Model
H1NE	Sikorsky Aircraft Corporation	S-76B

## BENEFITS

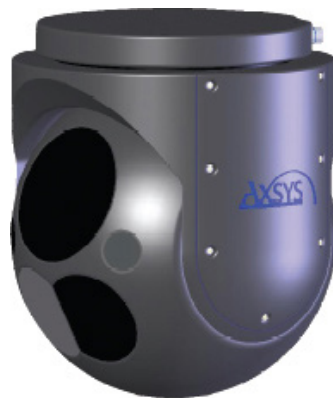
- Four-axis gyro stabilization
- Moving map interface
- Continuous optical zoom illuminator
- Mid-wave cooled thermal sensor
- High-definition overlay
- Searchlight interface
- Two high-definition cameras
- Digital video processing
- Compact design

## TECHNICAL INFORMATION

Thermal imager	<ul style="list-style-type: none"> <li>• Sensor type 640 x 480 HgCdTe FPA</li> <li>• Field of view 17.5° to 1.5°</li> <li>• Wave length 3 - 5 μm</li> <li>• Digital zoom 2x</li> <li>• Field of view type continuous</li> <li>• Effective focal length 600 mm</li> <li>• Focal length 25 - 300 mm</li> <li>• Zoom ratio 12x optical, 24x overall</li> <li>• Field of view 17.5° to 1.5°</li> </ul>
Daylight imager	<ul style="list-style-type: none"> <li>• Sensor type 1/3 in CMOS 1920 x 1080</li> <li>• Digital zoom 4x</li> <li>• Field of view type continuous</li> <li>• Effective focal length 612 mm</li> <li>• Focal length 5.1 - 153 mm</li> <li>• Zoom ratio 30x optical, 120x overall</li> <li>• Optical field of view 50.4° to 1.8°</li> </ul>
Laser illuminator	<ul style="list-style-type: none"> <li>• Laser class (class IIIb)</li> <li>• Wave length 830 nm</li> <li>• Output power 30 mW</li> </ul>

## TECHNICAL INFORMATION CONTINUED

System specifications	<ul style="list-style-type: none"> <li>• System type 4-axis gyro-stabilized multi-sensor</li> <li>• Azimuth coverage 360° continuous</li> <li>• Elevation coverage 57° to -188°</li> <li>• Slew rate 0° -60°/sec</li> </ul>
Dimensions (HxWxD)	<ul style="list-style-type: none"> <li>• Turret 12.1 in. x 10.25 in. (30.7 cm x 26 cm)</li> <li>• Auxiliary unit 8 in. x 9.5 in. x 15.6 in. (20.3 cm x 24.1 cm x 39.6 cm)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• Turret 27.5 lb (12 kg)</li> <li>• Auxiliary unit 20 lb (9 kg)</li> <li>• Control unit 1.5 lb (680 g)</li> <li>• System 58 lb (26 kg) with standard cables</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Input voltage 28 VDC +/- 10%</li> <li>• Continuous 132W/5A</li> <li>• Maximum 450W/16A</li> </ul>
System interfaces	<ul style="list-style-type: none"> <li>• Digital video HD-SDI, HDMI</li> <li>• Analog video NTSC/PAL</li> <li>• Control RS232, RS422</li> <li>• Data RS232, RS422</li> </ul>
Operational limitations	<ul style="list-style-type: none"> <li>• The aircraft is limited to VFR use only when forward display and keyboard are mounted in the co-pilot position on instrument panel</li> <li>• The pilot is not permitted to use this equipment</li> </ul>
Part/model number	AXSYS V9 System
Approvals	Transport Canada accepted NAPA# P-10-0227



# S-76

## ADS-B IN/OUT SOLUTION

FAA STC SR02473AK, EASA STC 10060043, BRAZIL ANAC AML STC 2016S06-13, MEXICO DGAC STC IA-388/2016, REPUBLIC OF INDONESIA DGCA STC SR033, MALAYSIA CAAM STC VSTC-2020-034

### PRODUCT DESCRIPTION

The ADS-B Out, plus ADS-B In, retrofit upgrade features an intuitive touch screen display that replaces existing transponders. If console space is a challenge, we offer a remote mounted transceiver with a small control head. With 1090 MHz and Mode S Extended Squitter, the L-3 Lynx Multilink Surveillance System (MSS) unit provides ADS-B traffic and weather data, airport databases, NOTAMS, and TFRS. Other capabilities include MFD/PFD interface as well as optional wifi for PEDS integration.

Type Certificate Number	Make	Model
H1NE	Sikorsky Aircraft Corporation	S-76A, S-76B, S-76C

### BENEFITS

- FAA, EASA, Brazil ANAC and Mexico DGAC approved ADS-B upgrade
- ADS-B In/Out and internal GPS – includes 1090 MHz extended squitter and UAT ADS-B In
- Wi-Fi enabled for use with Portable Electronic Devices (PEDs)
- Minimal aircraft downtime requirements for installation (*approximately 4 days*)

### TECHNICAL INFORMATION

#### Part/Model Number

L3 Lynx NGT-9000 Series

#### Features

- Mode S extended squitter (ES) transponder with intuitive touchscreen interface
- Dual-mode 1090ES ADS-B Out plus 1090 MHz and 978 MHz ADS-B In
- Designed for 14V and 28V installations
- Patented Lynx Tail provides flight ID, aircraft type and ground speed data of other ADS-B traffic
- Internal rule-compliant position source (WAAS/GPS)
- Moving maps, including TFRs, airport databases and NOTAMS
- Subscription-free ADS-B graphical and textual weather, including NEXRAD, METARs, winds & temps (*available in the USA only*)
- Aloft, AIRMETs and SIGMETs
- ADS-B traffic (ADS-B, ADS-R and TIS-B) with option for the L-3 NextGen Active Traffic enablement
- MFD/PFD interface to show traffic and weather data on compatible cockpit displays
- Options available for active traffic, antenna diversity and PED Wi-Fi connectivity

#### Product Certification

FAA TSO-C112d, C113a, C145c, C151c, C154c, C157a, C166b, C195b

#### Kit Contents

- Panel or remote processor unit
- Wiring
- Installation kits
- Low-loss XPDR coax harness
- Low-loss GPS coax harness
- Document package containing FMS, ICA, electrical and mechanical install drawings
- Lighting power supply







SIKORSKY  
**S-61**



**StandardAero**



# S-61 SIKORSKY



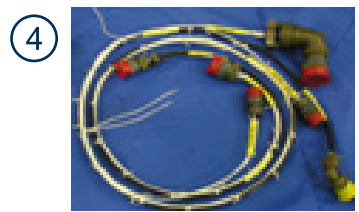
Replacement Windshields



Replacement Avionics Shelves



DC Fuel Quantity System



Modular Wiring Harness



Rockwell Collins Four (4) Display FDS Electronic Flight Instrument System Upgrade with Dual AHRS



Solid State Static Inverter



Solid State Voltage Regulator



Fifty Inch Section Removal from Forward Fuselage between Stations 110 and 160



External Cargo Hook - Assembly Kits



Reinforcement Kit - Aft Fuselage Station 493



# S-61

## REPLACEMENT WINDSHIELDS

FAA STC SR01264SE, TCCA STC SH03-27

### PRODUCT DESCRIPTION

Fabrication of Helipro Replacement Windshields.

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	S-61L, S-61N, S-61NM

### BENEFITS

- Lighter and considerably less expensive than laminated glass heated windshields

### TECHNICAL INFORMATION

Weight	LH windshield -11 lb (5 kg), RH windshield -11 lb (5 kg)
Moment arm (m)	-572 x 2 = -1148
Material	Acrylic plastic
Operational limitations	No change
Retrofit information	Installation instruction No. HCI-030523
Part/model number	H6120-61228-01 and -02



# S-61

## REPLACEMENT AVIONICS SHELVES

### TCCA STC SH97-42

#### PRODUCT DESCRIPTION

Installation of new honeycomb avionics shelving in the nose bay of a Sikorsky S-61.

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	S-61L, S-61N

#### BENEFITS

- Made of light weight honeycomb material
- Single piece shelf
- New anchors for installing equipment that can be customized for layout

#### TECHNICAL INFORMATION

Material	Light weight aluminum honeycomb core
Operational limitations	Equivalent to original shelf
Part/model number	SH S61-53-001



Before



After

# S-61

## DC FUEL QUANTITY SYSTEM

FAA STC SR02335AK

### PRODUCT DESCRIPTION

The DC Fuel Quantity System replaces the existing AC fuel quantity system in the Sikorsky S-61. This STC utilizes original fuel bladders, requiring only minor modifications to accept the new system. The DC Fuel Quantity System allows for displaying fuel quantity data in modern glass cockpit flight decks and solves all issues associated with the procurement of legacy probes.

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	S-61L, S-61N

### BENEFITS

- Readily procurable modern system components

### TECHNICAL INFORMATION

Tank profiling	<ul style="list-style-type: none"><li>• Fuel type compensation</li><li>• Digital filtering to suppress sloshing</li><li>• Attitude compensation</li><li>• Low level detection</li><li>• Pump and valve control</li><li>• Built-in-test and system monitoring</li><li>• ARINC 429, RS232</li></ul>
Temperature range	19°C to 70°C (67°F to 158°F)
Weight	<ul style="list-style-type: none"><li>• Probes: 0.28 lb (127 g)</li><li>• Signal conditioner: 1.7 lb (771 g)</li></ul>
Moment arm (m)	Varies
Required STC	SR02336AK



# S-61

## MODULAR WIRING HARNESS

FAA STC SR09236RC

### PRODUCT DESCRIPTION

Modular wiring harnesses with latest wire technology to replace existing old/damaged harnesses.

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	SS-61L, S-61N

#### Modular Harness

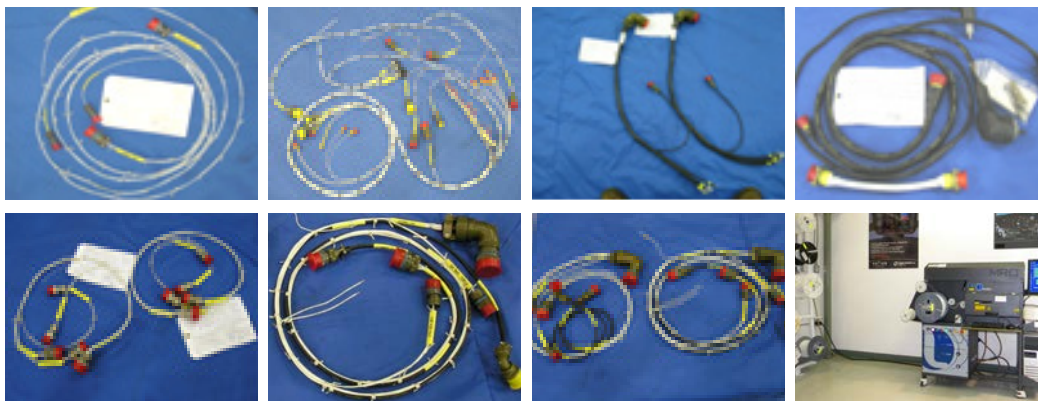
- Instrument panel electrical
- #1 and #2 AC generator
- Fuel transfer bay
- #1 and #2 engine anti-ice
- LH and RH airframe sponsons (if installed)
- Landing gear pump
- Tail pylon harness with disconnect
- Main transmission
- LH and RH aft transmission
- #1 and #2 engine
- #1 and #2 vee deck
- Main landing gear and intermediate sponsons
- Modularized AC and DC circuit breaker panels

### BENEFITS

- Provides superior wire identification without fading
- More durable
- Lighter weight
- Upgraded connector technology - easier maintenance
- Replaces old/damaged harnesses with MIL-W-22759/43 wire with laser marking technology

### TECHNICAL INFORMATION

Specifications	MIL-W-22759/43 specification, high temp wire harnesses
Material	Silver coated copper wire
Operational limitations	200°C (392°F) operational limit FAA STC SR09236RC
Part/model number	61-91-00-105





# S-61

## ROCKWELL COLLINS FOUR (4) DISPLAY FDS ELECTRONIC FLIGHT INSTRUMENT SYSTEM UPGRADE and DUAL AHRS FAA STC SA02279AK

### PRODUCT DESCRIPTION

Rockwell Collins FDS-2000 Instrument Display System (IDS).

### BENEFITS

- Improved situational awareness
- Enhanced information management
- Improved system reliability and maintainability
- Reduced pilot workload
- Aircraft weight reduction
- Optional NVG compliant displays
- 5 in. Liquid Crystal Displays (LCD)
- Advanced graphics capabilities that support the display of terrain
- Weather radar and traffic collision avoidance information
- Flight management system maps and other advanced information on the Horizontal Situation Indicator (HSI)
- AHRS feature a digital quartz sensor, significantly improving accuracy and reliability while reducing volume, weight, power consumption and cost of ownership

### TECHNICAL INFORMATION

Part/model number	Rockwell Collins FDS 2000 EFIS, AHS 3000 AHRS
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# S-61

## SOLID STATE STATIC INVERTER

### FAA STC SR09232RC

## PRODUCT DESCRIPTION

Solid State Static Inverter is a direct replacement for the Sikorsky S-61 L/N rotary inverter. DC to AC airborne static electrical power inverter. Silicon solid state 300 VA 3/1 phase, class B, multi-purpose with remote turn-on circuitry.

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	S-61L, S-61N

## BENEFITS

- Quiet operation
- Solid state with no moving parts
- MTBF 5,000 hours

## TECHNICAL INFORMATION

Electrical output	AC 3/1 phase
Voltage	<ul style="list-style-type: none"><li>• 115/200 VAC <math>\pm 5\%</math> (24 to 30 VDC input)</li><li>• No load to full load, over temp/alt operating range</li></ul>
Current	<ul style="list-style-type: none"><li>• 0.87 ampere - 115/200 VAC</li><li>• Three phase wye 1.51 ampere - 115 VAC</li><li>• Three phase delta 2.61 ampere - 115 VAC</li><li>• Single phase</li></ul>
Power	<ul style="list-style-type: none"><li>• 300 VA continuous duty</li><li>• 300 watts (1 pf) continuous duty</li></ul>
Frequency	<ul style="list-style-type: none"><li>• 400 Hz <math>\pm 1\%</math>, no load to full load, over temp/alt operating range (frequency is maintained to &lt; 10 VDC input)</li></ul>
Weight	2.4 lb - 5.3 lb (1 kg - 2 kg)
Operational limitations	None
Part/model number	AA1020-24-450-CS



# S-61

## SOLID STATE VOLTAGE REGULATOR

FAA STC SR09233RC

### PRODUCT DESCRIPTION

Direct replacement for the Sikorsky S-61 L/N carbon pile voltage regulator.

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	S-61L, S-61N

### BENEFITS

- Solid state unit
- Direct replacement of carbon pile voltage regulators
- Reduced weight

### TECHNICAL INFORMATION

Duty	Continuous, unattended
Temperature rise	15°C (59°F) max
Cooling	Self cooled by convection
Ambient temperature range	-85°C to 85°C (-121°F to 185°F)
Max operating altitude	100,000 ft (3048 m)
Electrical	Regulated DC voltage range: 27.5 VDC to 29.5 VDC no load to full load over generator speed and temp/alt operating range
Field current	(continuous) 14 amperes (minimum)
Part/model number	AA-1020-24-450CS





# S-61

## FIFTY INCH SECTION REMOVAL from FORWARD FUSELAGE between STATIONS 110 and 160 FAA STC SR00283SE

### PRODUCT DESCRIPTION

Removal of a fifty-inch section from the forward fuselage between stations 110 and 160 and reinstall the forward cabin with associated fabricated parts (S-61L, S-61N transport category only).

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	S-61L, S-61N

### BENEFITS

- Transforms the S-61 into a shorter helicopter, yielding a lower empty weight and resulting in increased external lifting capacity and enhanced flight performance.

### TECHNICAL INFORMATION

Weight	Recommend reweigh A/C
Moment arm (m)	Recommend reweigh A/C
Material	See MDL
Operational limitations	See RFMS
Retrofit information	Special training and tooling required



# S-61

## EXTERNAL CARGO HOOK ASSEMBLY KITS

FAA STC SR00427SE, TCCA STC SH98-02

### PRODUCT DESCRIPTION

Fabrication and installation of a Helipro model H9661N01-01, -03, -05, -07, -51, - 53, -55, -57, -59 or -61 logging utility system.

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	S61N

### BENEFITS

- Provides lifting capabilities to 11,000 lb with External Cargo Hook Assembly Kit or without with load cell provisions
- Kit options may be installed in an aircraft separate from a cargo sling system as a standalone installation

### TECHNICAL INFORMATION

Weight	57.5 lb (26 kg)
Moment arm (m)	267 in. (recommend reweigh A/C)
Material	See MDL
Operational limitations	Increases lift capability to 11,000 lb see RFMS HCI-RMS No1
Part/model number	H9661N01-XX



# S-61

## REINFORCEMENT KIT - AFT FUSELAGE STATION 493

FAA STC SR00814SE

### PRODUCT DESCRIPTION

Fabrication of Reinforcement Kit - Aft Fuselage Station 493.

Type Certificate Number	Make	Model
1H15	Sikorsky Aircraft Corporation	S-61NM, S-61L, S-61N
H2EA	Sikorsky Aircraft Corporation	S-61A

### BENEFITS

- Improves structural integrity of a known cracking area

### TECHNICAL INFORMATION

Weight	Recommend reweigh A/C
Moment arm (m)	STA 493
Material	7075-T6
Operational limitations	No change
Part/model number	H61070



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