





**Conversion Overview** 







## Airframe Upgrades

## **Eagle is the Premiere Provider of Airframe Upgrades**

Our team has developed game-changing machines specifically for hot and high missions!

More Capability, One Less Engine!



- **BEAGLE**INGLE
  - The Eagle Single is the work horse in the Bell Medium Lift helicopter market.
  - By virtue of a 9-passenger Supplemental
    Type Certificate approval process, converts
    the Bell 212 to a single engine application.
  - This conversion maintains all the benefits of the Bell 212, such as an 11,200 lb. gross weight capacity, common 212 parts numbers, dual hydraulics, and broad aftermarket support, while allowing users to enjoy reduced operating costs, upgraded avionics and the corresponding reliability, and a 5900 lb. empty weight machine.





## **Instrumentals and Electrical**

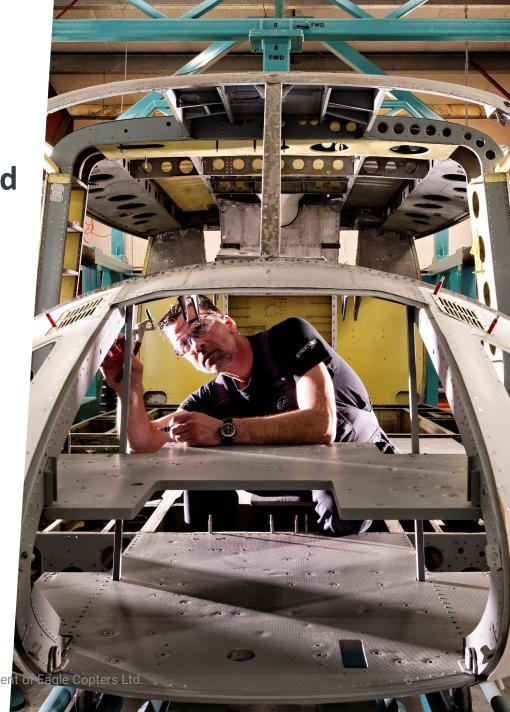
- Removal of currently installed 212 electrical harness and components
- Fabricate and install NEW Airframe, Engine and Transmission Wire Harnesses
- Fabricate and install NEW Tail boom, Heater,
  Aft Fire Detector Wire Harnesses
- Fabricate and Install NEW Instrument Panel complete with NEW Engine and Flight instruments
- Rework pilot and co-pilot collective heads





# **Engine System Modification (Customer Supplied Engine)**

- Remove existing Cowlings, Twin Pac and Firewalls
- Supply and install NEW DART Replacement Engine Mount Kit
- Supply and install engine airframe components, Starter Generator, Tach Gen, etc.
- Supply and install power plant controls, throttle and droop compensation systems
- Supply and install engine oil system, tank, engine and transmission oil coolers blower assembly, bleed air system, line and associated hardware
- Supply and install fire suppression and fire detection systems
- Supply, fit, and rework engine, transmission and exhaust cowlings
- Main Rotor Driveshaft Kaflex Mandatory





## **Engine Inlet System**

- Standard engine inlet, honeycomb panel with louver inlet, baffle assembly and inlet screen
- Optional AFS Inlet Barrier System if required

## **Fuel System Modification**

Modify standard 212 fuel system to conform to STC

## **Shoulder Harness Kit**

Install shoulder harness kit STC# SH04-7 (CDN), SR01997NY (FAA) Mandatory (if not already installed)





## **Structural Modification of Airframe**

- Airframe to be converted as per STC in certified in certified airframe jig, replace engine deck, service decks, outboard roof panels and aft cabin wall panels
- BLR Fast Fin Assembly (tailboom strake is mandatory)

## **STC Paperwork (Data Package)**

- Flight Manual Supplement (FMS)
- Manufacture's Data Manual (MDM)
- Flight Training Syllabus (FTS)
- Pilot Training Manuals (PTM)
- Instructions for Continued Airworthiness (ICA)
- Wiring and Wire Routing Diagrams
- Service Bulletins





# **Avionics Configurations**

#### **Enhanced Configuration:**

- Pilot & Co-Pilot G500H TXi Systems
- Garmin GTN 750H Xi GPS/COMM/NAV
- Garmin GTN 650H Xi GPS/COMM/NAV
- Garmin GTX 345R Transponder
- Dual MidContinent MD-302 SAM
- A.E.M P139 Digital Audio System
- Garmin GTS 855 TCAS I System
- Garmin GRA 5500 Radar Altimeter System
- Bendix King KN63 DME System
- Artex 406 ELT

#### **Utility Configuration:**

- Garmin GTN 635H GPS/COMM
- Garmin GTR 225 COMM
- Garmin GTX 345 Transponder
- Jupiter Avionics JA95-044A Audio Panel
- Dual Technisonic TDFM 136B FM Radio
- Artex 406 ELT
- A.E.M 300W External Public Address System







# **Aircraft Completions – Case Studies**

**Appomattox (Studio Wings)** 

#### Eagle Single SN 31118:

- Highly configured for personal and movie use
- Requested a like new helicopter, mechanical and cosmetic upgrade, inside and out; Eagle delivered
- Well documented throughout the industry and led to follow on order







## **NRMA** Insurance

#### Eagle Single SN 30640:

- Highly configured to fight fires; first of its kind water canon to proactively spray fire gel in advancing fire conditions
- State of the art and sophisticated flight deck







# Nevada Division of Forestry

#### Eagle Single SN 30676

- Eagle Single conversion to assist in the implementation of natural resource management projects.
- Burned area emergency stabilization
- Rehabilitation of burned and disturbed areas
- Helicopter aerial seeding
- Highly configured for forestry needs





# FLY. LET US DO THE REST.



**WORLDWIDE FLEET MANAGEMENT**