

S **EAGLE** SINGLE



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!***





S EAGLE SINGLE

- 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.





Single Conversion

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





Single Conversion

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





Single Conversion

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)





Single Conversion

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