

HELICOPTER COMPLETIONS

Air Medical | Law Enforcement | Corporate | Utility

MA[®]
METRO AVIATION



CURT



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METRO AVIATION, INC., IS A HIGHLY RESPECTED, INTERNATIONALLY RECOGNIZED LEADER IN THE AVIATION INDUSTRY

Through innovation, experience and high standards of quality, Metro Aviation® has become the leading completion facility for the **H125/AS350**, **H130/EC130**, **H135/EC135**, **H145/EC145** and **H155/EC155** throughout the world. Using aggressive project management, we have attained a high degree of design, engineering and production efficiency that enables us to produce mission-ready aircraft with features, comfort and performance comparable to higher-cost helicopters at surprisingly competitive prices.

We routinely provide package, custom or turnkey helicopter services including:

- Air medical flight operations management
- Routine maintenance or major modifications on helicopters
- Avionics installation and service
- Innovative helicopter completion services and after-market products tailored to specific needs
- Paint and upholstery

ABOUT METRO

Our reputation for excellence is founded upon attention to detail, a dedication to quality, a focus on safety and a stubborn insistence on customer satisfaction. The Metro Aviation team has the knowledge, real-world experience and the desire to exceed your highest expectations. Whether you operate a single corporate helicopter or an operational specific fleet, by using Metro Aviation, you'll always fly with confidence.

1

AIR MEDICAL

Depend on our team to develop a helicopter completion combining the critical elements of safety, comfort, speed and economy. Our total commitment to uphold the highest quality standards always exceeds FAA requirements.

2

LAW ENFORCEMENT

Our experience with manufacturing and certifying products allows us to design, fabricate and install unique, custom-made equipment such as consoles and tactical flight officer stations.

3

CORPORATE

Uncompromising quality, attention to detail and flexibility in meeting and exceeding the customer's expectations is the norm for our corporate completions.

Our completion center installs full air medical kits for new and existing customers. Our highly trained and dedicated staff is available during the entire completion process as we build your new aircraft to your precise specifications. Our primary equipment installations aid in the evacuation or transport of critically ill persons, and optional equipment can be installed to enhance the operational efficiency of the aircraft medical crew or the flight crew.

We perform some of the most complex completions for our law enforcement customers. Each agency's completion comes with its own specific needs and requirements. While some agency's aircraft are strictly law enforcement, others are also used for search and rescue, fire fighting and EMS operations that require the customer to quickly shift from one mission to another.

The beauty of Metro's work is not just skin deep. Every wire, paint stripe, seam and cabinet veneer is finished under the surface as perfectly as it is on the surface. Flawless design and appearance has no value if the functionality and reliability is in question. Maintenance personnel and pilots alike have input into the completion and are provided access to the aircraft as many times and in as much detail as they require to assure in-depth knowledge of systems and operations.

We look forward to serving you,

Mike Stanberry
CEO and Founder





H125 | AS350

Combined with Metro's latest configuration innovations and the aircraft's cost-effectiveness, these single-engine helicopters champion versatility and reliability.



Quick Change Patient Litter System

Quick Change Patient Litter System for the AS350B/B1/B2/BA/D STC SH8911SW (Metro)

- Patient litter pivots up to 17 inches outboard for easy patient loading and unloading
- All components, including the litter or the quick-change co-pilot seat option, are stowed on board the aircraft

Metro STC

Item No.	Description	Standard	Optional	Model
350M-380	Quick Change Litter System	X		ALL



LifePort Medical Interior

LifePort Lightweight Standard and Medical Interior

LifePort H125 Lightweight Interior STC

Meddeck
Medtower
Machined Sled
Incubator Conversion
Medpak
Pilot Barrier
Cargo Pallet
Upholstered Seat
Blackout Curtain
Accessories
Lifeguard Flooring
Utility Seat



ASTAR EMS Kit for the AS350B/B1/B2/B3/BA/D

STC SH8661SW (Metro)

- Lightweight, pivoting single-litter (up to 17 inches outboard for easy patient loading and unloading) on a tracking carriage
- Easy-to-maintain transfill oxygen system with two outlets
- One or two positionable attendant seats with 4-point restraint system
- One tracking/pivoting attendant seat with 4-point restraint system

Metro STC					
Item No.	Description	Standard	Optional	Model	
350M-200	EMS Floor Pallet	X		ALL	
350M-201	R/H EMS Floor Pallet	X	X	ALL	
350M-300	Litter Support	X		ALL	
350M-301	R/H Litter Support		X	ALL	
350M-380	Quick Change Litter		X	ALL	
350M-400	Single Positionable Seat	X		ALL	
350M-400	Second – Fourth Positionable Seat		X	ALL	
350M-450	Storage Bag Rack Assy.		X	ALL	
350M-600	Rotating Seat Assy.		X	ALL	
350M-700	Remote Equipment Bulkhead		X	ALL	
350M-800	Oxygen System		X	ALL	
350M-500	Medical Control Panel		X	ALL	
350M-551	R/H Medical Control Panel		X	ALL	



Garmin GTX-330 w/ 1090ES ADS-B OUT Kit 350M-ADSB-I53 for the AS350B3 [STC SR09648RC \(Garmin\)](#)

This installation includes a Garmin GTX 330 with a 1090MHz Extended Squitter capability Transponder, with FAA approved software that will transmit all required data necessary for compliance with FAR 91.227. Automatic Dependent Surveillance-Broadcast (ADS-B) technology improves situational awareness and flight safety. With ADS-B capabilities, position, velocity, and heading information are automatically transmitted to other aircraft and ground stations. The current air traffic control system depends on a transponder request for pertinent aircraft information. ADS-B provides automatic transmission of aircraft information without a request.

Aircraft must be equipped with a Garmin GTX 330 w/ES Transponder with 1090 MHZ ADS-B Out capabilities with the following interfaces:

- GNS 430W - GPS Position Source(s)
- G500H Flight Display System - Barometric Altitude and Magnetic Heading

Garmin GTX-330 w/Garmin GNS 430W Kit 350M-HTAWS-I53 for the AS350B3 [STC SR09649RC \(Garmin\)](#)

The HTAWS function in the GNS 430W provides visual depictions of terrain and obstacles relative to the helicopter for increased situational awareness; as well as, visual and aural alerts if terrain or obstacles are a threat to the safe flight of the helicopter. The HTAWS functions are controlled by menus located on the dedicated GNS 430W TAWS page. This installation has the “Reduced Protection” and “Audio Mute” controls installed on the cyclic grip. The G500H PFD/MFD display (GDU 620) is interfaced and will display all of the HTAWS Annunciation modes such as INHIBIT, TEST, or RP MODE from the GNS 430W which eliminates the need for a separate HTAWS annunciator panel.

Proper function of HTAWS requires the use of databases specific to helicopters and HTAWS. The databases required are:

- 6 arc-second Terrain Database
- Helicopter Obstacle Database
- Helicopter Aviation Database including Heliports

H125 | AS350

Law Enforcement Completions

The H125 and AS350 are the standard in law enforcement aircraft, operated by local, state, county and federal agencies, with the versatility to be customized for multiple missions by the end user. Aircraft can be outfitted for long line operations, hoist operations, aerial shooting and other customer-specified operations. Two examples of customization offered to the end user by Metro Aviation include custom-built gun racks and a left-hand baggage avionics bay to further optimize the aircraft to meet the end user's operational needs.





H130 | EC130

From a roomy cabin to the reduced external sound level, this multi-role rotorcraft checks many boxes for Metro clients. Above all, our customers appreciate the priority we place on addressing challenging issues while working with difficult timetables.

Emergency Medical System for the EC130B4

STC SR09586RC (Metro)

- Med Floor consists of sealed carbon fiber floor with a fluid dam
- A pilot isolation barrier is incorporated
- Metro/Lifeport Patient Litter System (“PLS”) consists of MAI PLS Mount Assembly, the LifePort AeroSled CF 16G Litter (TSO-C39b Approved) and the LifePort MedDeck System
- EMS seating arrangements include four seats, an existing left hand pilot seat, two existing fixed passenger/medical seats and a R/H medical seat
- The medical panel installation consists of an overhead enclosure in the main cabin, accessible by the medical crew and cabin passengers
- The medical gas panel installation consists of an enclosure located on the aft cabin bulkhead, providing controls for the optional medical equipment and LOX oxygen system
- Digital control of all aircraft mounted medical support systems and ICS/air to ground communication



Medical Seating

Metro STC				
Item No.	Description	Standard	Optional	Model
130M-200	Floor Pallet	X		ALL
130M-250	Isolation Barrier	X		ALL
130M-300	Metro/Life Port PLS	X		ALL
130M-400	Seating	X		ALL
130M-500	Medical Panel	X		ALL
130M-800	Medical Gas Panel	X		ALL
130M-110	Junction Box		X	ALL
130M-125	Electrical (schematic)		X	ALL
130M-640	LOX (10 liter)		X	ALL
130M-700	Remote Equipment Mount		X	ALL
130M-710	Storage Restraint Provisions		X	ALL
130M-720	Medical Suction		X	ALL
130M-730	Medical Air Pump		X	ALL
130M-810	R/H IV Support		X	ALL
130M-900	Medical Inverter		X	ALL

LifePort Lightweight Medical Interior for the H130

LifePort

- Modular interior that can be easily reconfigured, modified or removed
- MedPak Advanced Life Support (ALS) services module in baggage compartment including oxygen, vacuum, and compressed air
- MedDeck rotating stretcher system allowing a patient to be loaded and positioned from outside the aircraft
- Multiple electrical outlets and USB ports for carry-on equipment
- Utilizes existing seat track and allows the co-pilot seat to be easily re-installed when the stretcher system is removed
- Capable of transporting patient stretchers or incubators
- Saves approximately 100 pounds over alternate systems



LifePort H130 Lightweight Medical Interior STC

Medpak

Meddeck

Machined Sled

Aerosled Stretcher

Cargo Rack

Service Panel

Portable Oxygen Bottle Mount

Utility Floor Covering With Pilot Barrier

Outlet Console





Metro/LifePort PLS Install

The Metro/LifePort PLS consists of the MAI PLS Mount Assembly, the LifePort AeroSled CF 16G Litter (TSO-C39b Approved) and the LifePort MedDeck System.

- **PLS Mount Assembly** - The PLS Mount assembly consists of a plate on which two pieces of track are mounted. The tracks are for the rollers on the lower plate of the Trolley Assembly. The lower retractable pins of the Trolley engage the PLS Mount tracks to stop the inboard/outboard travel of the Trolley. The PLS Mount assembly is attached to the cabin floor with a quick pin at each outboard end of the track, which keeps the Trolley Assembly from coming out of the tracks when the lower pins are retracted.
- **AeroSled CF** - The AeroSled CF is made of a machine aluminum main body and backrest with an aluminum tube and machined component frame that wraps around the perimeter of the body. It is equipped with fittings on the bottom to engage the locking towers on the upper deck. The backrest is adjustable and activated by paddles on the backrest that activate a gas spring. The stretcher is also equipped with shoulder and body restraints as well as a foot bag to restrain the patient in a crash situation. The litter is installed in-line with the flight direction, with the patient feet positioned forward or rotated approximately 20 degrees with patient feet positioned forward and to the right.
- **MedDeck System** - The MedDeck System offers an articulating mounting surface for the LifePort AeroSled. The trolley can translate and rotate to numerous positions prior to flight for ease of loading non-ambulatory patients. The MedDeck System is made up of a Trolley Assembly and Upper Deck Assembly.



Optional Equipment Kit for the EC130B4

STC SR09587RC (Metro)

Additional installation options give owners the freedom to design and engineer mission-specific aircraft essential to its operation.

Metro STC				
Item No.	Description	Standard	Optional	Model
130M-105	Blackout Curtain		X	ALL
130M-111	Junction Box		X	ALL
130M-140	Portable Oxygen Mount		X	ALL
130M-164	Cabin Lighting		X	ALL
130M-167	L/H Cargo Light		X	ALL
130M-168	R/H Cargo Light		X	ALL
130M-169	Aft Cargo Light		X	ALL
130M-170	Loading Light		X	ALL
130M-185	Auxiliary Landing Light		X	ALL
130M-195	Controllable Searchlight		X	ALL
130M-550	Medical Equipment Rack		X	ALL



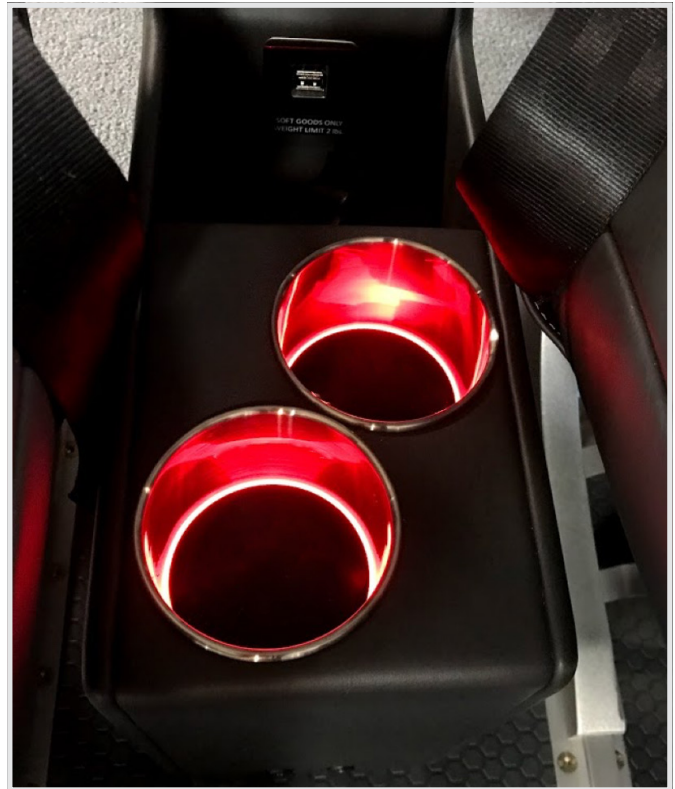


Corporate Completions

Services include custom paint, upholstery, interior matching customer's existing jet aircraft interiors, high quality finishes, and custom cabinet work (fitting the cabinet and amenities to the person - not the aircraft).

Additional Services:

- Paint and paint design
- Plating service
- Interior design and fabrication
- Avionics installation
- Airframe factory optional equipment installation
- Maintenance services





H135 | EC135

Widely relied on by air medical programs, the H135 and EC135 remain widely popular among Metro clients for their extended performance and mission capabilities. Metro's carefully engineered medical interiors are always designed to deliver on functionality and appearance.

Metro STC				
Item No.	Description	Standard	Optional	Model
135M-105	Blackout Curtain		X	ALL
135M-150	Avionics Shelf		X	ALL
135M-220	Floor Pallet	X		ALL
135M-300	Litter	X		ALL
135M-320	Secondary Patient Restraint		X	ALL
135M-350	Litter L/H		X	ALL
135M-400	Seat Assy. R/H		X	ALL
135M-410	Seat Assy. L/H	X		ALL
135M-420	Seat Assy. Aft		X	ALL
135M-440	Track & Swivel seat (R/H)		X	ALL
135M-445	Track & Swivel seat (L/H)		X	ALL
135M-500	Medical Control Panel		X	ALL
135M-520	Cabin Flood Light		X	ALL
135M-610	Oxygen System R/H		X	ALL
135M-630	Oxygen System L/H		X	ALL
135M-640	LOX System		X	ALL
135M-700	Medical Inverter		X	ALL
135M-710	Aft Cargo Lighting		X	ALL
135M-720	Suction System		X	ALL
135M-800	Gas Panel		X	ALL
135M-900	Window Storage		X	ALL
135M-920	Gurney Guard		X	ALL
135M-950	Clamshell Open Warning System		X	ALL



Medical Control Panel

Emergency Medical System for the H135/EC135 (all models) STC SR09164RC (Metro)

- The EMS kit includes a junction box install that will be the central location for electrical distribution for EMS equipment
- A blackout curtain is deployable and will isolate the flight crew from cabin lighting during NVG operations
- Numerous storage options allow medical equipment to be easily accessible for EMS crews
- Various light installations illuminate the cabin during operation
- The floor pallet is constructed of .165" Nomex Honeycomb with a decorative overlay and may be used as an alternate for 130<-200 floor pallet.
- The medical inverter installation provides power to cabin outlets (8x) located throughout the cabin for various carry on medical equipment



Oxygen System



Condenser and Fan Assembly

Vapor Cycle Air Conditioning System for the EC135 P1/P2/P2+/P3/T1/T2/T2+ STC SR09163RC (Metro)

- Total cabin cooling through a mechanically-driven, Freon 134A, vapor cycle air conditioning system
- True dual evaporator system with separate cockpit and cabin controls
- Twelve positionable outlets throughout cockpit and cabin
- Low electrical load that places no power or electrical limitations on aircraft
- Operational throughout take-off, flight, landing and hot loading and unloading
- Provides rapid cool down of the entire cockpit and cabin, usually achieving the desired comfort range before take-off



Compressor Frame Assembly

The Vapor Cycle Air Conditioning Kit 135AC-00-011

Applicable Models: EC135 P1/P2/P2+/T1/T2/T2+

General Description: AC Kit P/N 135AC-00-011 consists of the 1-EC-135-1 and 1-EC135-2 Systems.

1-EC135-1: Flex Shaft and Single Evaporator

1-EC135-2: Flex Shaft and Dual Evaporators

The Vapor Cycle Air Conditioning Kit: 135AC-00-011-1

Applicable Models: EC135 P1/P2/P2+/P3/T1/T2/T2+

General Description: AC Kit P/N 135AC-00-011-1 consists of the 1-EC135-3 System

1-EC135-3: Direct Drive Gearbox and Dual Evaporators

Metro STC			
Description	Standard	Optional	Model
Garmin GTN 650 WAAS GPS/NAV/COM	X		ALL
Garmin GTN 750 WAAS Navigator GPS/NAV/COM	X		ALL
Dual Garmin GTN 750 WAAS Navigator GPS/NAV/COM		X	ALL
Mid Continent MD222-406 Standby NAV Indicator	X		ALL
Mid Continent MD41-1048 HTAWS Annunciator Control Unit	X		ALL
L3 ESI-2000 TRILOGY™ Electronic Standby System w/Battery Backup	X		ALL
Honeywell KRA-405B Radar Altimeter	X		ALL
Honeywell KR-21 Marker Beacon	X		ALL
Chelton CDM- 451 DME Transceiver	X		ALL
NAT LD12-001 Annunciator Dimmer Unit	X		ALL
Garmin GTX 33H Remote Transponder	X		ALL
Garmin GDL 69H/69AH XM Data Link		X	ALL
Garmin GDL 88 ADS-B Data Link	X		ALL
Garmin GTS 800 Traffic Awareness System	X		ALL
Garmin GWX 70 Weather Radar		X	ALL
Garmin HTAWS	X		ALL
Geneva Digital Audio System (STC SR00521SE)	X		ALL
USB Power Ports	X		ALL

Single/Dual Pilot IFR with Garmin GTN 650/750 WAAS NAV COM for the EC135 P2+/T2+/P3/T3 STC SA00339BO (Metro)





Single Pilot IFR Kit for the EC135PI/P2/P2+/T1/T2/T2+

STC SR09259RC (Metro)

- The latest fully-featured communication and navigation systems integrated with the basic EC 135 autopilot system on the Sextant MEGHAS displays
- Extremely pilot-friendly avionics platform and an ergonomically arranged cockpit
- Ideal for existing fleets with similar equipment that wish

Note: ECD Flight control Display System and Autopilot with SAS must be installed.

Metro STC			
Description	Standard	Optional	Model
Garmin GNS 430W/530W GPS/NAV/COM*		X	ALL
Dual Garmin GNS 430 GPS/NAV/COM*	X		ALL
Garmin GNS 430/530 GPS/NAV/COM*		X	ALL
Honeywell KT 70 Transponder	X		ALL
Garmin GTX-330 Transponder		X	ALL
Honeywell KR21 Marker Beacon	X		ALL
Garmin GI-106A Standby Nav Ind	X		ALL
Mid Continent MD222		X	ALL
Honeywell Radio Altimeter KRA 405B	X		ALL
NAT Dual Audio System	X		ALL
Honeywell DME CDM451	X		ALL
Honeywell RDR 2000 Radar		X	ALL
Garmin GMX200 MFD with GDL69		X	ALL

*These units will no longer be produced. Metro has completed an STC that incorporates the GTN 650/750 (next gen model). Refer to STC SA00339BO.



Controllable Searchlight and Auxiliary Lighting



IV Hooks and Cabin Lights

Optional Equipment Installation for the EC135 (all models) equipped with Helionix Avionics (MOD E-2698)

[STC SR09354RC \(Metro\)](#)

- After-market innovations engineered by Metro Aviation
- FAA approved and designed to meet factory specifications
- Engineered for long service life at a reasonable cost

Metro STC				
Item No.	Description	Standard	Optional	Model
135M-120	Accessory Mounting Panel		X	ALL
135M-129	Window Accessory Bar Mount		X	ALL
135M-130	Accessory Bar Mount		X	ALL
135M-140	Portable Oxygen Mount		X	ALL
135M-160	Portable Oxygen Mount		X	ALL
135M-170	Loading Lights		X	ALL
135M-180	Supplemental Strobe Lighting		X	ALL
135M-185	Auxiliary Lighting		X	ALL
135M-195	Controllable Search Light		X	ALL
135M-168	Medical Hooks Install		X	ALL
135M-187	Cabin Reading Lights		X	ALL
135M-198	Ankra Floor Fitting Install		X	ALL

Clamshell Door Window Kit for the EC135 P1/P2/P2+/P3/T1/T2/T2+/T3

[STC SR09193RC \(Metro\)](#)

Metro STC				
Item No.	Description	Standard	Optional	Model
135M-980	Clamshell Door Window Kit		X	ALL



Corporate Completions

Services include custom paint, upholstery, interior matching customer's existing jet aircraft interiors, high quality finishes, and custom cabinet work (fitting the cabinet and amenities to the person - not the aircraft).

Additional Services:

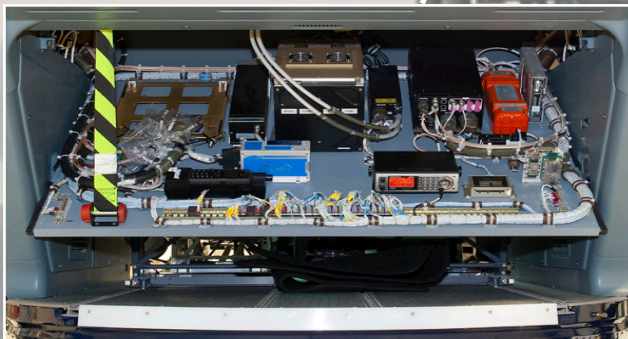
- Paint and paint design
- Plating service
- Interior design and fabrication
- Avionics installation
- Airframe factory optional equipment installation
- Maintenance services



H135 | EC135

Law Enforcement Completions

These quieter, twin engine aircraft are ideal for patrol operations with room to comfortably seat a three-man crew. The aircraft offer the end user versatility and flexibility to customize according to their operational needs. The helicopters are installed with the latest, fully-featured Single Pilot IFR Kit, as well as available STC'd digital audio for communications. Aircraft can also be installed with a newly available rear-mount Nightsun Searchlight.





EC145

Metro provides multiple EMS solutions for the EC145 (BK117C2) and the EC145e (BK117C2e). Boasting large cabins, payload and range, the aircraft allow for flexible configuration options. Our innovative specialists design and build assemblies perfectly matched to your mission requirements. Each installation demonstrates effective pre-project planning, state-of-the-art design and components and service after the sale.

Plus, Metro Aviation has CATIA 3-D modeling capabilities available for “pre-design” interior modifications.



Medical Floor

Emergency Medical System for the MBB-BK117C2 and MBB-BK117C2e STC SR09403RC (Metro)

- LOX or gaseous transfill oxygen system
- Custom equipped to your specifications, including:
 - Medical panels
 - 110AC and 12V DC power
 - Storage
 - Patient examination lighting
 - Machined aluminum floor
 - Special requests
- Custom cabin configurations, including:
 - 2 medical attendants and 2 litters
 - 4 medical attendants, 1 litter and 1 isolette or 1 balloon pump
 - Optional dual-mission cabin to satisfy both law enforcement and EMS roles
 - Other layouts to meet your requirements



(STC SR09403RC cont'd)



Track & Swivel Seat



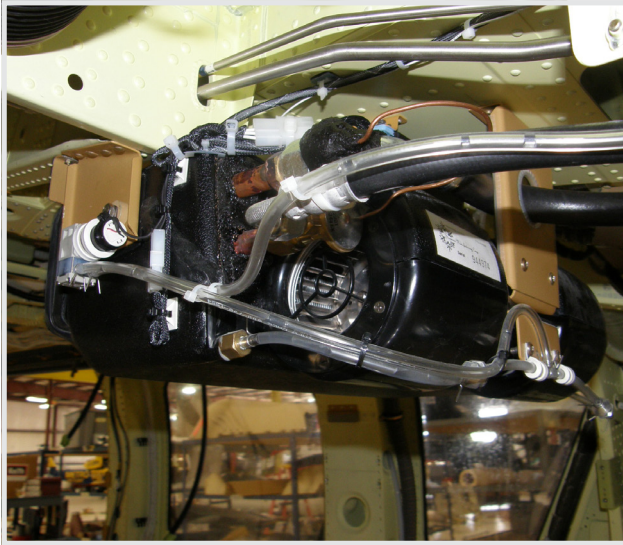
Medical Comm Panel



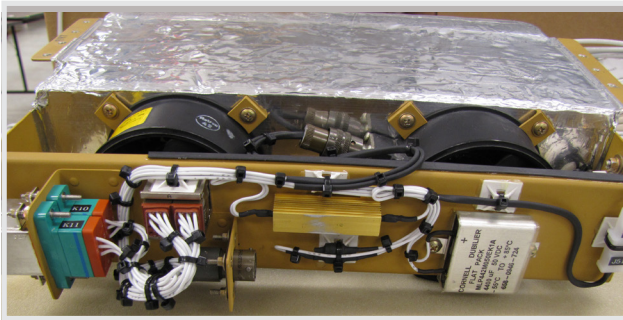
Medical Equipment Rack

Metro STC

Item No.	Description	Standard	Optional	Model
145M-110	Junction Box	X		ALL
145M-166	Cabin Lighting		X	D2
145M-168	Aft Cargo Light		X	D2
145M-250	Floor Pallet	X		ALL
145M-300	Litter	X		ALL
145M-350	Gurney		X	ALL
145M-351	Gurney-Power Flex		X	C2
145M-352	Gurney-MX PRO		X	ALL
145M-355	MX PRO Gurney		X	D2
145M-360	Pivoting Litter		X	C2
145M-391	Secondary Restraint		X	D2
145M-410	R/H Track & Swivel Seat	X		ALL
145M-442	Lateral Tracking Seat		X	ALL
145M-444	L/H Track & Swivel Seat	X		ALL
145M-500	Medical Comm Panel		X	ALL
145M-550	Medical Equipment Storage Panel		X	C2
145M-551	Medical Equipment Rack		X	ALL
145M-610	Oxygen System R/H		X	ALL
145M-630	Oxygen System L/H		X	C2
145M-640	External LOX System	X		ALL
145M-720	Suction System		X	ALL
145M-730	Medical Air Pump	X		ALL
145M-801	Medical Slant Panel L/H		X	ALL
145M-802	Medical Slant Panel R/H		X	C2
145M-803	Touch Screen Enclosure		X	D2
145M-810	Secondary IV Rail		X	C2
145M-811	Primary IV Rail		X	C2
145M-812	IV Rail		X	D2
145M-900	Medical Inverter		X	ALL



Aft Evaporator Installation



Mid Evaporator Assembly

Dual Cooling Unit Freon Air Conditioner STC SH3880SW (Metro)

- Provides cockpit and cabin comfort during all operations, both on the ground and in the air
- Comfort levels may be obtained after reaching flight idle on one engine and need not be turned off until the engines are shut down at the termination of the flight
- Individual cabin and cockpit evaporator and fan assemblies, each with a fan speed selection
- Fan only operation mode
- Generator fail override feature
- No TOT or torque increase during operation thus increasing engine life
- Five to ten day installation
- 60,000 BTUH Rating (min.)
- 3.0-4.5 HP requirements; 37 amps at 28 VDC electrical load
- Freon (R-134A Refrigerant) System
- AHI Factory Option

Metro STC			
Item No.	Description	Standard	Optional
117M-400-3	Standard FWD Evap	X	
117M-450-3	EMS Aft Evap w/Storage		X
117M-450-4	VIP Standard Aft Evap		X
117M-450-7	Mid-Cabin Evap		X



EC145 Cockpit from FlightSafety

Single/Dual Pilot IFR Kit for the MBB-BK117C2

STC SR09404RC (Metro)

- The latest fully-featured communication and navigation systems integrated with the basic EC145 autopilot system on the Sextant MEGHAS displays
- Extremely pilot-friendly avionics platform and an ergonomically arranged cockpit
- Economical solution to higher-priced, older technology on other medium twin engine helicopters
- Ideal for existing fleets with similar equipment that wish to stay with one avionics manufacturer
- Single- or dual-sided Thales compatible
- Includes WAAS LPV capability

Metro STC

Description	Standard	Optional	Model
Dual Garmin GNS 530W GPS/NAV/COM		X	ALL
Dual Garmin GNS 430 GPS/NAV/COM	X		ALL
Garmin GNS 430/530 GPS/NAV/COM		X	ALL
Garmin GTX-330 Transponder	X		ALL
Honeywell KR21 Marker Beacon	X		ALL
Garmin GI-106A Standby NAV Ind	X		ALL
Mid Continent MD200/222 NAV Ind		X	ALL
Honeywell KRA 405B Radio Altimeter	X		ALL
NAT Dual Audio System	X		ALL
Honeywell CDM451 DME	X		ALL
Honeywell RDR2000 Radar		X	ALL
Garmin GMX200 MFD with GDL69	X		ALL
Avidyne EC500 MFD		X	ALL
Honeywell MK-XXI HTAWS		X	ALL
Avidyne TAS-6XX TAS		X	ALL
Satellite Data Link GDL-69		X	ALL



IV Rail and Cabin Lighting



Controllable Searchlight and Auxiliary Lighting

EC145 Optional Equipment for the MBB-BK117 C-2

STC SR09405RC (Metro)

- Aftermarket innovations engineered by Metro Aviation
- FAA approved and designed to meet all FAA and type certificate holder specifications
- Engineered for long service life at a reasonable cost

Metro STC				
Item No.	Description	Standard	Optional	Model
145M-110	Junction Box		X	ALL
145M-129	Window Accessory Bar Mount		X	ALL
145M-130	Accessory Bar Mount		X	C2
145M-140	Portable Oxygen Mount		X	ALL
145M-160	Portable Oxygen Mount		X	ALL
145M-164	Cabin Lighting		X	C2
145M-167	Aft Cargo Lighting		X	C2
145M-180	Supplemental Strobe Light		X	ALL
145M-182	Side Flood Lights		X	ALL
145M-183	Tail Flood Lights		X	ALL
145M-185	Auxiliary Lighting		X	ALL
145M-195	Controllable Search Light		X	ALL
145M-131	Accessory Bar Mount		X	C2
145M-132	Accessory Mount		X	ALL
145M-141	Portable Oxygen Mount		X	ALL
145M-165	Touch Lights		X	D2
145M-551	Medical Equipment Rack		X	ALL
145M-552	R/H Medical Equipment Rack		X	ALL
145M-810	Secondary IV Rail		X	C2
145M-811	Primary IV Rail		X	C2
145M-812	IV Rail		X	D2

EC145

Law Enforcement Completions

Metro Aviation is the world's foremost completion center for the EC145. Our team designs and builds assemblies that perfectly match your mission requirements. A true utility aircraft, the EC145 can be equipped with utility seats and a TFO station. Additionally, with its greater lifting ability, the EC145 is the ideal aircraft for hoist operations and fast rope kits. The aircraft is installed with the latest, fully-featured Single Pilot IFR Kit.





H145

Metro offers a complete range of modification and upgrade packages for the H145. Whether you're looking for standard configurations or new modifications, Metro is a trusted partner across various industries to ensure aircraft are completed to the required specifications.



Medical Floor

Emergency Medical System for the MBB-BK117D2

STC SR09403RC (Metro)

- LOX or gaseous transfill oxygen system
- Custom equipped to your specifications, including:
 - Medical panels
 - 110AC and 12V DC power
 - Storage
 - Patient examination lighting
 - Machined aluminum floor
 - Special requests
- Custom cabin configurations, including:
 - 2 medical attendants and 2 litters
 - 4 medical attendants, 1 litter and 1 isolette or 1 balloon pump
 - Optional dual-mission cabin to satisfy both law enforcement and EMS roles
 - Other layouts to meet your requirements



(STC SR09403RC cont'd)



Medical Comm Panel



Metro STC				
Item No.	Description	Standard	Optional	Model
145M-110	Junction Box	X		ALL
145M-166	Cabin Lighting		X	D2
145M-168	Aft Cargo Light		X	D2
145M-250	Floor Pallet	X		ALL
145M-300	Litter	X		ALL
145M-350	Gurney		X	ALL
145M-351	Gurney-Power Flex		X	C2
145M-352	Gurney-MX PRO		X	ALL
145M-355	MX PRO Gurney		X	D2
145M-360	Pivoting Litter		X	C2
145M-391	Secondary Restraint		X	D2
145M-410	R/H Track & Swivel Seat	X		ALL
145M-442	Lateral Tracking Seat		X	ALL
145M-444	L/H Track & Swivel Seat	X		ALL
145M-500	Medical Comm Panel		X	ALL
145M-550	Medical Equipment Storage Panel		X	C2
145M-551	Medical Equipment Rack		X	ALL
145M-610	Oxygen System R/H		X	ALL
145M-630	Oxygen System L/H		X	C2
145M-640	External LOX System		X	ALL
145M-720	Suction System		X	ALL
145M-730	Medical Air Pump		X	ALL
145M-801	Medical Slant Panel L/H		X	ALL
145M-802	Medical Slant Panel R/H		X	C2
145M-803	Touch Screen Enclosure		X	D2
145M-810	Secondary IV Rail		X	C2
145M-811	Primary IV Rail		X	C2
145M-812	IV Rail		X	D2
145M-900	Medical Inverter		X	ALL

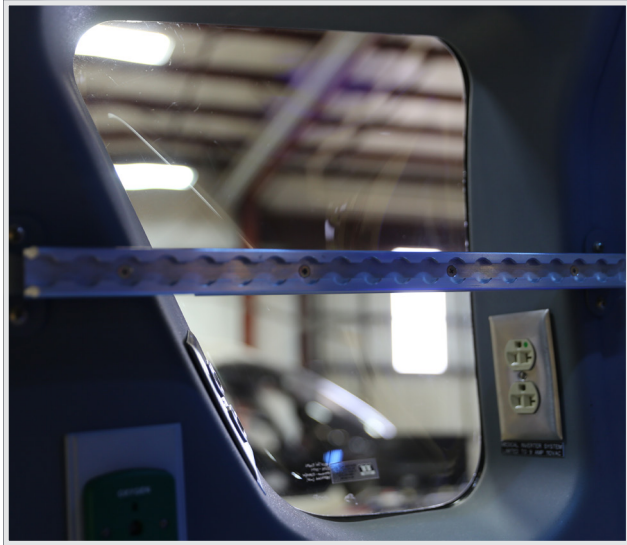


H145 Cockpit

Single/Dual Pilot IFR Kit for the MBB-BK117 D-2 STC SR09404RC (Metro)

- The latest fully-featured communication and navigation systems integrated with the basic EC145 autopilot system on the Sextant MEGHAS displays
- Extremely pilot-friendly avionics platform and an ergonomically arranged cockpit
- Economical solution to higher-priced, older technology on other medium twin engine helicopters
- Ideal for existing fleets with similar equipment that wish to stay with one avionics manufacturer
- Single- or dual-sided Thales compatible
- Includes WAAS LPV capability

Metro STC			
Description	Standard	Optional	Model
Dual Garmin GNS 530W GPS/NAV/COM		X	ALL
Dual Garmin GNS 430 GPS/NAV/COM	X		ALL
Garmin GNS 430/530 GPS/NAV/COM		X	ALL
Garmin GTX-330 Transponder	X		ALL
Honeywell KR21 Marker Beacon	X		ALL
Garmin GI-106A Standby NAV Ind	X		ALL
Mid Continent MD200/222 NAV Ind		X	ALL
Honeywell KRA 405B Radio Altimeter	X		ALL
NAT Dual Audio System	X		ALL
Honeywell CDM451 DME	X		ALL
Honeywell RDR2000 Radar		X	ALL
Garmin GMX200 MFD with GDL69	X		ALL
Avidyne EC500 MFD		X	ALL
Honeywell MK-XXI HTAWS		X	ALL
Avidyne TAS-6XX TAS		X	ALL
Satellite Data Link GDL-69		X	ALL



Window Accessory Bar



IV Rail

ECI45 Optional Equipment for the MBB-BK117 D-2

STC SR09405RC (Metro)

- Aftermarket innovations engineered by Metro Aviation
- FAA approved and designed to meet all FAA and type certificate holder specifications
- Engineered for long service life at a reasonable cost

Metro STC				
Item No.	Description	Standard	Optional	Model
145M-110	Junction Box		X	ALL
145M-129	Window Accessory Bar Mount		X	ALL
145M-140	Portable Oxygen Mount		X	ALL
145M-160	Portable Oxygen Mount		X	ALL
145M-180	Supplemental Strobe Light		X	ALL
145M-182	Side Flood Lights		X	ALL
145M-183	Tail Flood Lights		X	ALL
145M-185	Auxiliary Lighting		X	ALL
145M-195	Controllable Search Light		X	ALL
145M-132	Accessory Mount		X	ALL
145M-141	Portable Oxygen Mount		X	ALL
145M-551	Medical Equipment Rack		X	ALL
145M-552	R/H Medical Equipment Rack		X	ALL
145M-812	IV Rail		X	D2



Corporate Completions

Services include custom paint, upholstery, interior matching customer's existing jet aircraft interiors, high quality finishes, and custom cabinet work (fitting the cabinet and amenities to the person - not the aircraft).

Additional Services:

- Paint and paint design
- Plating service
- Interior design and fabrication
- Avionics installation
- Airframe factory optional equipment installation
- Maintenance services





H155 | EC155

In cooperation with the University of Michigan, Metro Aviation designed the first dedicated, U.S.-based and operated EC155B1 Helicopter Emergency Medical System. The system addresses the challenges of a multi-mission, multi-configuration program and the ability for each crew member, regardless of the seating position or clinical function, to control all lighting, medical life support controls and intercom systems independently.



LOX (526-RTI Aero ORB)

Emergency Medical System for the EC155BI

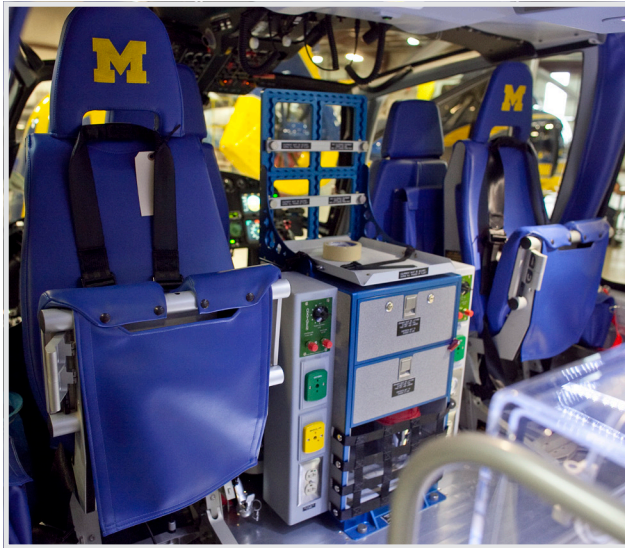
STC SR09591RC (Metro)

- EMS kit includes a junction box install that will be the central location for electrical distribution for EMS equipment
- Electrical power is distributed for EMS equipment through a circuit breaker panel
- Numerous storage installations make medical equipment easily accessible for EMS crews
- Various light installations illuminate the cabin during operation
- The floor pallet is constructed with machined aluminium with a hard, anodized surface
- A single patient litter along with a loading system capable of tracking and pivoting is installed
- The EMS seating arrangement includes four seats; the seats are longitudinal tracking and swivel-capable seats



H155 | EC155

(STC SR09591RC cont'd)



Metro STC				
Item No.	Description	Standard	Optional	Model
155M-105	Blackout Curtain		x	ALL
155M-110	Junction Box	X		ALL
155M-111	Circuit Breaker Panel	X		ALL
155M-129	Accessory Bar Mount		X	ALL
155M-133	Fwd Storage Cabinet		X	ALL
155M-135	Aft Storage System		X	ALL
155M-136	Aft Cargo Net		X	ALL
155M-140	Portable Oxygen Mount		X	ALL
155M-164	Cabin Flood Lights		X	ALL
155M-165	Cabin Reading Lights		X	ALL
155M-166	Load Lights		X	ALL
155M-180	Supplemental Strobe Lights		X	ALL
155M-195	Super Night Scanner		X	ALL
155M-197	PROPAQ MD Mount		x	ALL
155M-198	Ventilator Mount		x	ALL
155M-250	Cabin Floor	x		ALL
155M-300	Pivoting Litter System	x		ALL
155M-320	Secondary Patient Restraint		x	ALL
155M-400	Seating	x		ALL
155M-500	Cabin Overhead Module		X	ALL
155M-551	Medical Equipment Rack		X	ALL
155M-640	LOX (526-RTI Aero ORB)		X	ALL
155M-700	Remote Equipment Mount		X	ALL
155M-720	Medical Suction		X	ALL
155M-730	Medical Air		x	ALL
155M-800	Gas Tower		x	ALL
155M-810	IV Support		x	ALL
155M-900	Medical Inverter		x	ALL



Known for its sleek fuselage and powerful performance, the AS365 is the ultimate version of the Dauphin. The aircraft suits a full range of missions, and our team diligently works to provide innovative approaches that work best for each program and, most importantly, the program's patients.

Emergency Medical System for the AS365 N3 Dauphin

STC SR09591RC (Metro)

- The EMS kit includes a junction box install that will be the central location for electrical distribution for EMS equipment
- Electrical power is distributed for EMS equipment through a circuit breaker panel
- A black out curtain is deployable and will isolate the flight crew from the cabin lighting during low visibility and night operations
- Numerous storage installations allow medical equipment to be easily accessible for EMS crews
- Various light installations illuminate the cabin during operation
- The floor pallet is constructed with machined aluminium with a hard, anodized surface
- The oxygen system consists of an Essex 526-RTI LOX; a Ready to Install (RTI) system in a box mounted in the aft cargo compartment
- The medical inverter installation provides power to cabin outlets (8x) located throughout the cabin for various carry on medical equipment
- A single patient litter along with a loading system capable of tracking and pivoting is installed
- The EMS seating arrangement includes three seats; any seat or combination of seat may be removed as necessary to facilitate operations



Metro STC			
Item No.	Description	Standard	Optional
365M-105	Blackout Curtain		X
365M-110	Junction Box	X	
365M-111	Circuit Breaker Panel	X	
365M-135	Aft Wall Cabinet		X
365M-136	Aft Cargo Net		X
365M-164	Cabin Floodlight		X
365M-165	Cabin Reading Light		X
365M-166	Load Lights		X
365M-250	Medical Floor	X	
365M-300	Pivoting Litter	X	
365M-320	Secondary Patient Restraint		X
365M-420	Seating	X	
365M-500	Cabin Overhead Module		X
365M-640	LOX (526-RTI Aero ORB)		X
365M-700	Remote Equipment Mount		X
365M-710	Equipment		X
365M-720	Medical Suction		X
365M-800	Medical Gas Panel		X
365M-900	Medical Inverter		X



Our facilities include:

- 45,000 sq. ft. Completion and Maintenance Work Floor & Hangar
- 25,000 sq. ft. Production Shop Floor
- 4,500 sq. ft. Avionics Design and Assembly Area
- 3,000 sq. ft. Maintenance Office and Customer Delivery Area
- 3,000 sq. ft. Engine Overhaul Shop
- 5,000 sq. ft. Climate Controlled Inventory Area, in addition to 5,000 sq. ft. Caged Inventory Area
- 3 Climate Controlled Paint Booths
- Production and Engineering Office with a 3-D CATIA and 2-D AutoCAD Capability
- Full Capability CNC Machine Shop
- 10,000 sq. ft. office and administration with the company Operational Control Center, which also serves as the afterhours AOG response, field service and Part 135 operations and records
- FAA-certified Helistop, including two helipads and fuel system
- FAA Part 145 Repair Station
- EASA Part 145 Repair Station
- Conveniently located just 6 miles from Shreveport's Downtown Airport (DTN)
- PAC International in Pittsburgh, specializing in paint finishes, helicopter completions, reliable helicopter maintenance repairs, overhauls and well designed avionics installations.



**Metro Aviation, Inc.
Main Completion and Support Facility
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**www.metroaviation.com
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