

# MC-12W LIBERTY



The King Air 300 is an updated version of the successful B200 series, and it itself was replaced by the further improved King Air 350, the latest model in this long running and successful line of corporate and utility transports.

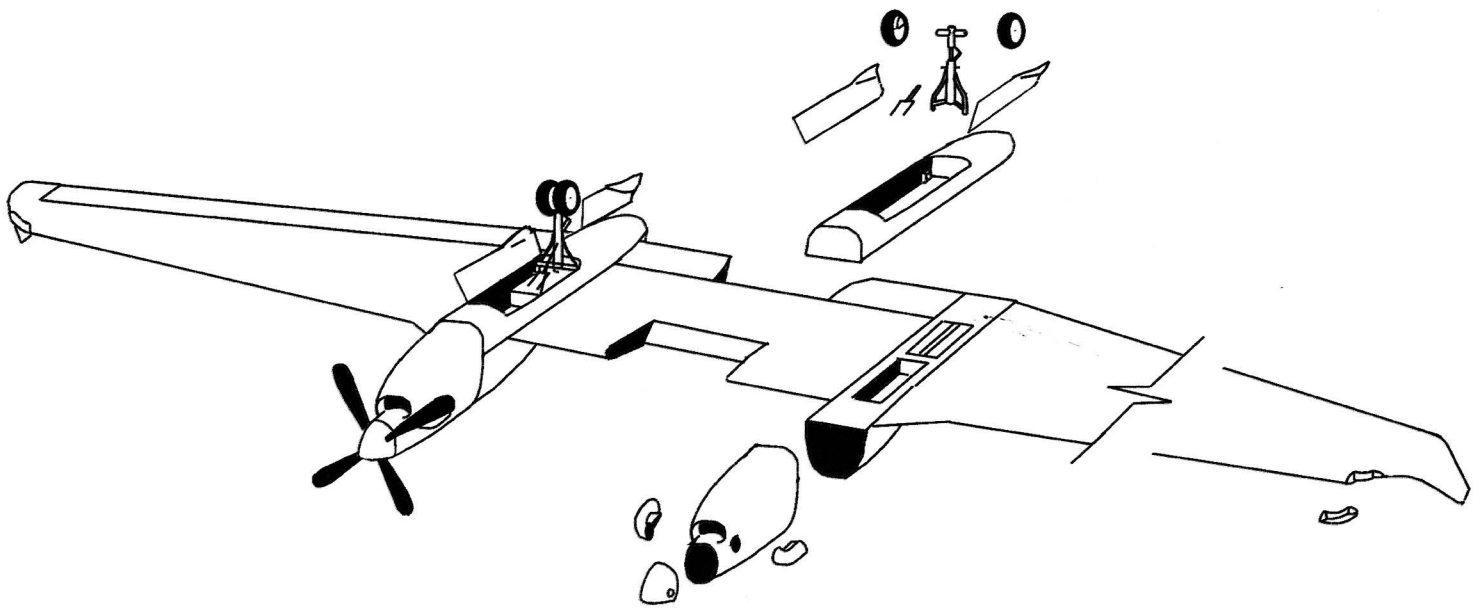
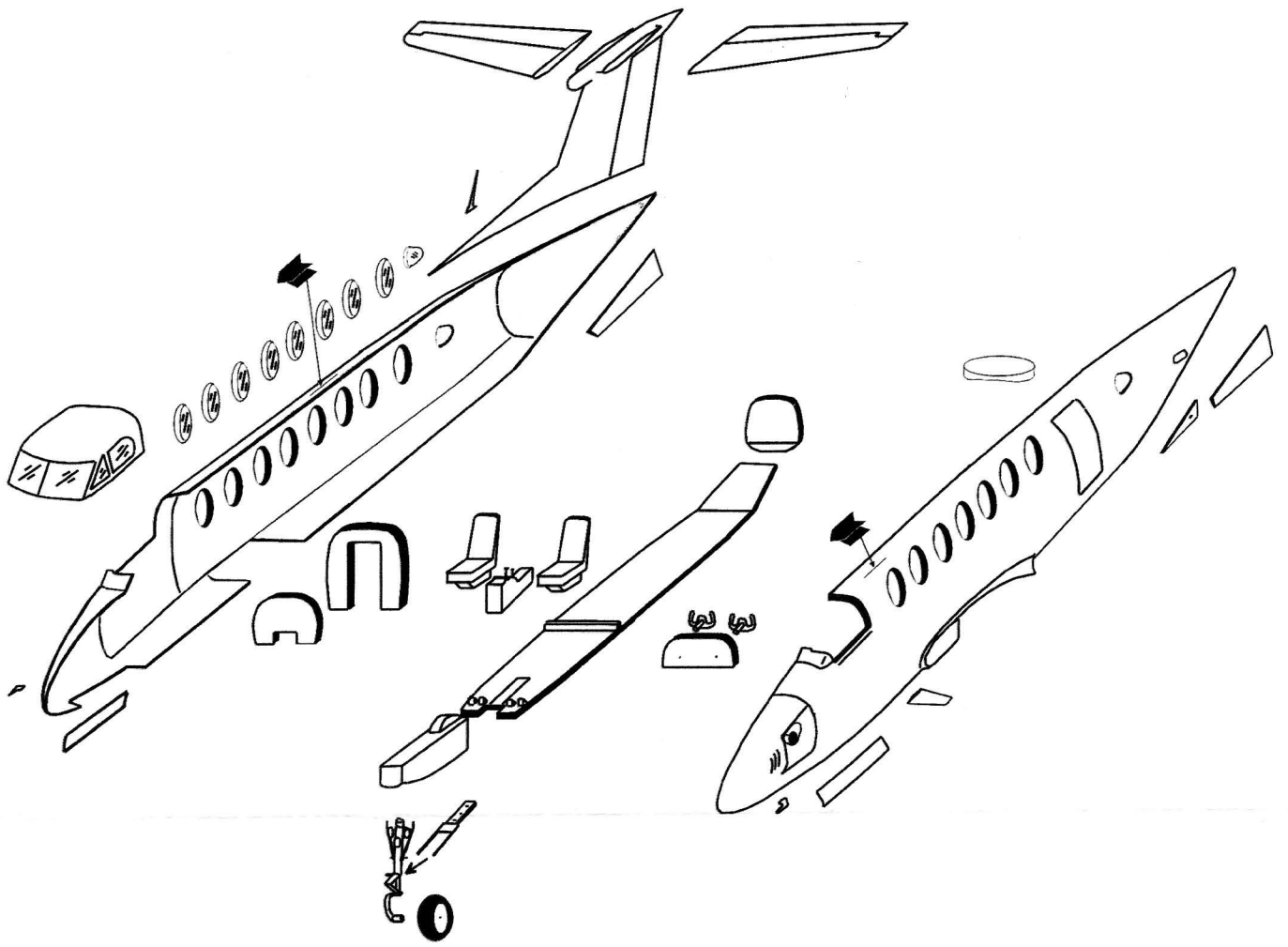
Design of an improved development of the successful King Air B200 began in August 1981, the 14 month design effort culminating in the first flight of the modernised 300 model in October the following year. Improvements to the B200 were many, with the main change being the installation of more powerful PT6A60A turboprops in place of the 42s of the earlier model. Other changes included reprofiled and more aerodynamically clean engine cowls and exhausts and extended wing leading edges, plus minor internal changes. Both empty and max takeoff weights were also increased. The King Air 300 has been replaced by the 350, its major improvements being a stretched fuselage lengthened by 86cm (2ft 10in) and the addition of winglets. The latest member of the King Air family, it had its first flight in 1988, and has been in production since late 1989. The King Air 350C features a builtin airstair and a 132 x 132cm (52 x 52in) freight door. The 350 is also available in a range of special missions and military variants.

In 2005 Beechcraft announced at the Paris Air Show that it was developing the King Air 350ER version of the B300, an equivalent to the earlier Model 200T and B200Ts of the 200 series. Changes include an increase of MTOW to 16,500 lb (7,430 kg), provision for surveillance equipment in a belly pod, the landing gear of the Beechcraft 1900 to handle the increased weight and provide ground clearance for the belly pod, and extra fuel capacity in the engine nacelles to increase range (because of the B300s winglets it was unfeasible to fit wingtip fuel tanks as found on the 200T and B200T).

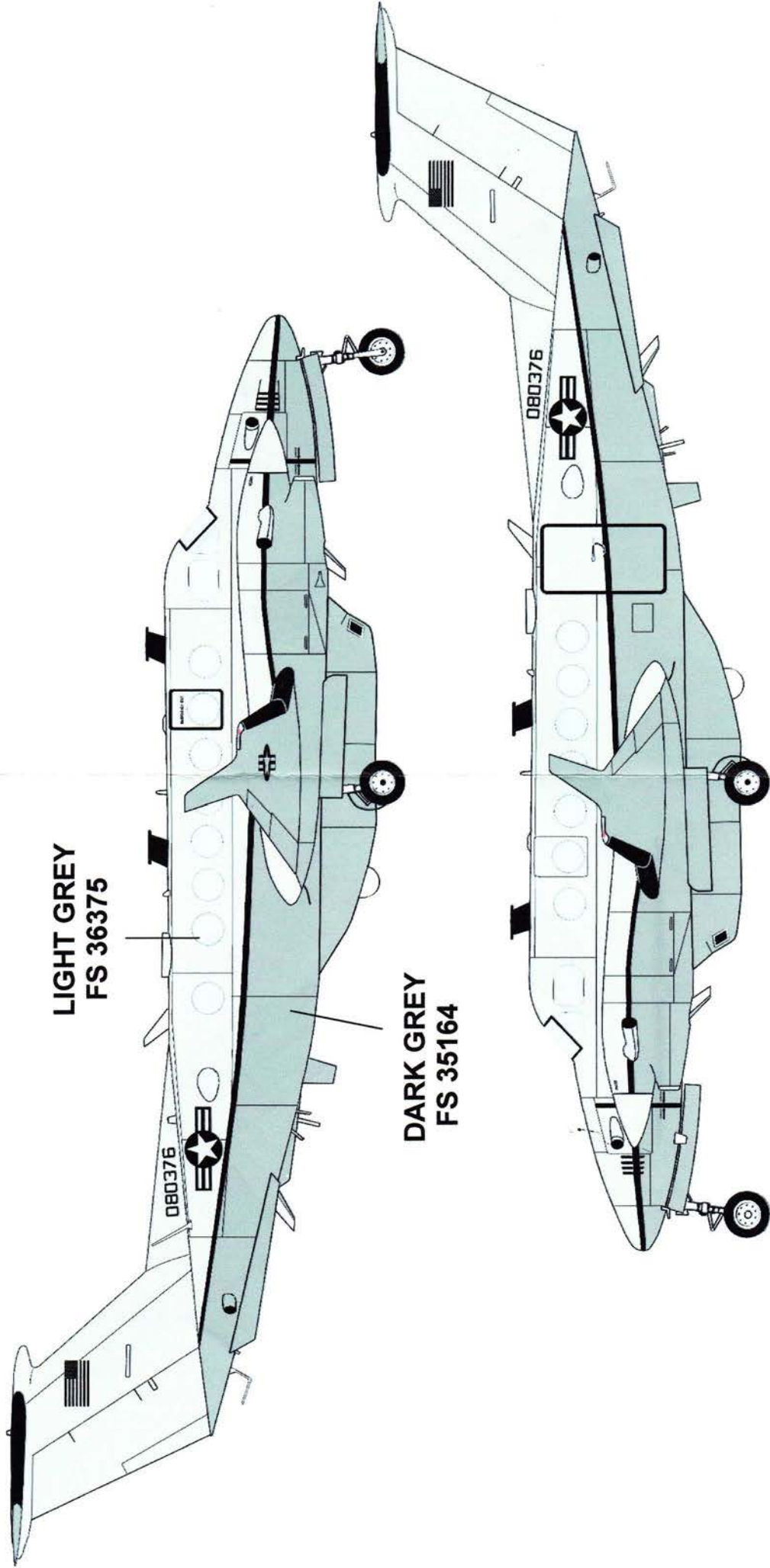
The MC-12W system is equipped with a turret-housed sensor pod, most likely for an electro-optical/infrared payload, and has a below-fuselage fairing believed to house a synthetic aperture radar. The modified airframe has also been equipped with a variety of antennas for communications purposes, and has a defensive aids suite for self-protection.

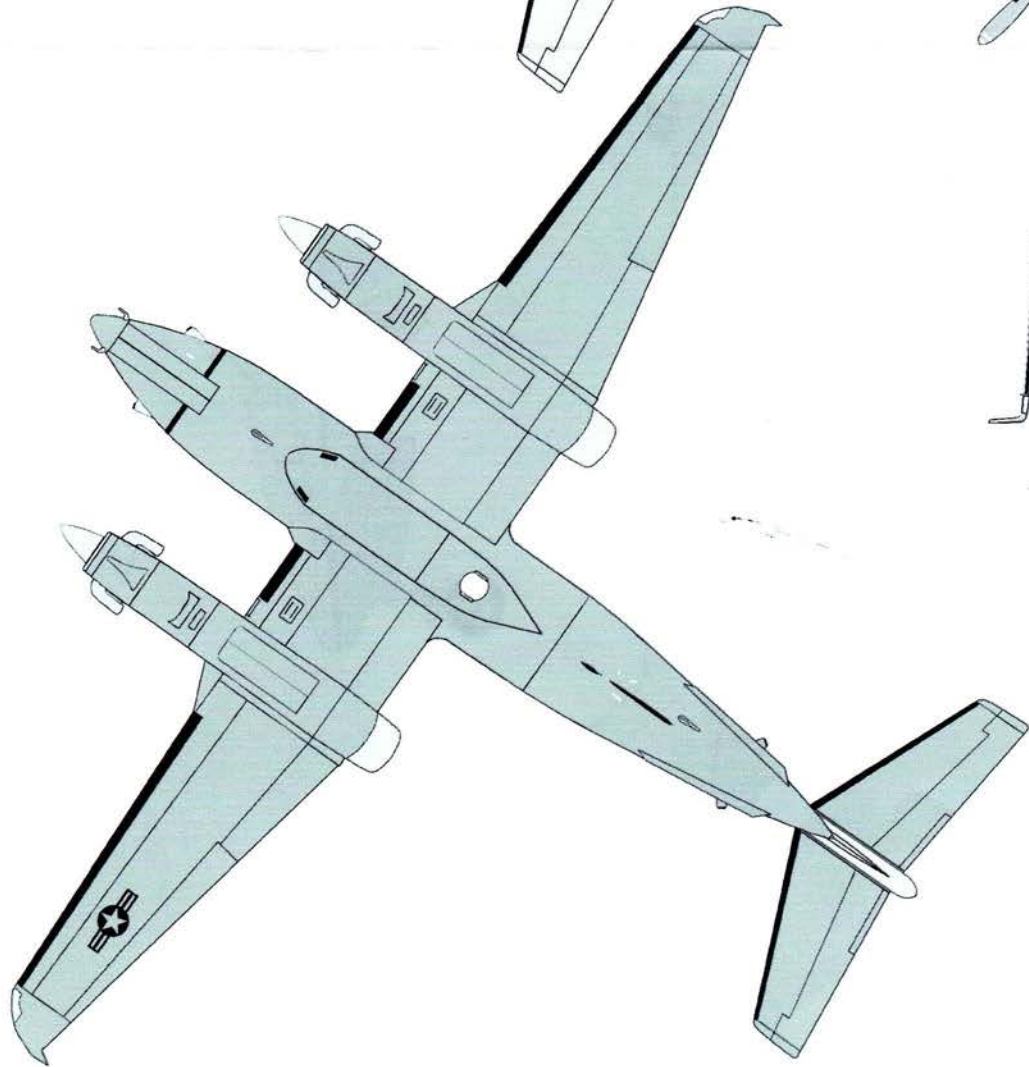
**RVHP**

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**BEECHCRAFT MC-12W LIBERTY, 080376, UNITED STATES AIR FORCE,  
362nd ERS DET 1, JOINT BASE BALAD, IRAQ, 2009**





PROPELLER FRONT SURFACE  
(BACK SURFACE MATT BLACK)

