MRO

/ GYRO COMPASS SYSTEMS

ASL

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T +44 (0) 1403 220 550
F +44 (0) 1403 217 096
E INFO@ASL-UK.COM

INTERNATIONAL HEAD OFFICE

ASL
ASL HOUSE, UNIT B2 FOUNDRY LANE,
HORSHAM, WEST SUSSEX,
RH13 5PX, UNITED KINGDOM

ASL-UK.COM

GM-7 / GM-9 COMPASS SYSTEM INCLUDING THE CL-11 GYRO

MRO SUPPORT

ASL has the technical capability and expertise to manufacture, maintain and repair the complete GM-7 and GM-9 Gyro Compass System, including the CL-11 Directional Gyro.

GM-7 and GM-9 Gyro Compass System

The system comprises of the following components:

/ CL-11 Directional Gyro

/ Compass Controller

/ Compass Computer

/ Heading Indicators

/ Magnetic Detector Unit

CL-11 Directional Gyro: The CL-11 is a high precision directional gyro that uses the information from the Magnetic Detector Unit to calculate the bearing, distance and heading. Employed throughout the world in high precision applications, the CL-11 is designed where accuracy and reliability are important. It has a two degree of freedom gyro with a drift rate of less than 1° per hour. Housed in the nose of the aircraft, the CL-11 is a fitted a part of the compass system in a number of rotary and fixed wing aircraft.

Compass Controller: An LRU modular component, the controller is housed in the cockpit on the pilot's main instrument panel. It contains the controls and indicators the pilot requires in order to achieve heading information – choosing the Slaved or Directional Gyro mode.

Compass Computer: With multiple modes, the compass computer communicates with the instruments in the GM9 system. It contains all the electronic circuitry, power transformers and an invertor module, interpreting and relaying information on the display panel to the pilot.

Heading Indicators: Housed in the cockpit on the main instrument panel, the heading indicator consists of a servo driven moving card giving heading information, with settable markers to act as reminders of the pilot's desired heading and wind direction. It uses the information gathered from other LRU's and displays a visual image of the direction the helicopter is heading in, and the degree of the helicopter's variation.

Magnetic Detector Unit: Housed in the tail cone and feeding to the CL-11 Directional Gyro, it is the direction sensing component used with Gyro Compass Systems or whenever a magnetic heading reference is required in aircraft navigational systems. The detecting element senses the horizontal component of the earth's magnetic field and establishes a magnetic heading reference signal in three-line synchro form for the aircraft.

ABOUT ASL

ASL has been established for over 40 years, we have Head Offices in Horsham, United Kingdom and together with our international offices we serve our global customers in the Middle East, Asia, Oceania, United States, Europe and South America. With over 80,000 sq.ft. of warehousing for our 350,000 lines of stocked components, we provide an integrated approach to total platform support.

Many years of experience supplying, maintaining and repairing equipment and components has resulted in superior levels of industry and product knowledge. Our dedicated team are ready to rapidly respond to ensure through-life support for all your requirements, regardless of size.

/ CL-11 Directional Gyro

/ Compass Controller

/ Compass Computer

/ Heading Indicator

/ Magnetic Detector Unit