Technician Training

H125/AS350 B3 series Field Maintenance Differences Training Course

4 Days
Classroom 18 Hours
Practical 6 Hours

Approved By: Ross McMichael_____ Date:_01/06/2021_

Instructor_____Date___/___/_____

Rev. 2.2

AIRBUS

This course is comprised of a theoretical presentation and practical exercises necessary to adequately review the basic aircraft systems and perform certain maintenance tasks described in Airbus maintenance documentation. Following the successful completion of this course, the technician should be able to perform Organizational and Intermediate level maintenance tasks and procedures necessary to maintain the helicopter. This course does not include Depot level maintenance tasks and procedures as described below.

ORGANIZATIONAL LEVEL:

Complete maintenance checks and servicing, inspection for condition, and exchange of line replaceable units according to applicable documentation.

INTERMEDIATE LEVEL:

Repair on or off of the helicopter and extended periodical inspections according to applicable maintenance documentation. A maintenance facility, qualified personnel, test equipment, and special tools are required to perform these tasks.

DEPOT LEVEL:

Major repair or overhaul at the manufacturer or at an authorized service station according to special documentation. Tools / test equipment and specialized personnel trained in Depot level maintenance tasks.

PREREQUISITES:

- Currently Certified as an Airframe Maintenance Technician
- **Previous AS350B2 Field Maintenance (Type) course**
- Two Years Minimum Experience as an Active Helicopter Maintenance Technician

NOTICES:

Airbus Helicopters, Inc. reserves the right to notify customer of the occurrence of any force majeure condition that, in its sole discretion, is the cause of excusable delay. In the event of a force majeure condition, the services and/or classes will be extended or, if required, rescheduled for the first available opening. Airbus Helicopters, Inc. will not be liable for any costs, claims, or damages to customer or its employees arising from delays or interruptions caused by any force majeure condition.

The following items shall serve as the training points for a typical H125 / AS350 B3 series Helicopters maintenance training course focusing on field maintenance tasks as defined above. The course content shall be revised as necessary to reflect basic production helicopter configuration revision as subsequent aircraft are manufactured.

Introduction Classroom 1.0 hours

SCOPE: Introduction to the AS 350B3 / H125 Helicopters.

Structure Classroom 1.0 hours

SCOPE: Differences description, construction, maintenance, and inspection.

Power Transmission to Main Rotor Classroom 0.5 hours / Practical 2.0 hours

SCOPE: Differences description, construction, maintenance, of the gearbox, gearbox lubrication system.

Main Rotors Classroom 1.0 hours

SCOPE: Differences description, construction of the blades including their new individual technology.

Tail Rotor System Classroom 0.5 hours / Practical 2.0 hours

SCOPE: Differences description, construction, maintenance, inspection of the B3 tail rotor blades.

Electrical Power System Classroom 2.0 hours

SCOPE: Differences description, operation of the electrical system including the post-mod multibloc electrical system.

Tandem Servos and Dual Hydraulics Classroom 2 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of the tandem servos and the dual hydraulic system. Practical work includes removal and reinstallation of the pumps, and the replacement of the gear box driven pump seals.

Fuel System Classroom 1.5 hours

SCOPE: Differences description, operation, maintenance, inspection and troubleshooting of fuel system including the post-mod rupture resistant fuel tank..

Lighting, Equipment and Furnishings Classroom 1.0 hours

SCOPE: Differences description, operation and troubleshooting of the lighting and fire detection systems.

Engine 2B1 / 2D Classroom 4.5 hours

SCOPE: Description, engine operating controls, starting system, twist grip, fuel metering, engine back-up control ancillary unit, collective pitch and yaw anticipator operation and rigging. Troubleshooting techniques of engine failures codes. Engine removal and VEMD system operation.

Vehicle Engine Multifunction Display, VEMD Classroom 3.0 hours / Practical 2.0 hours

SCOPE: Description, operation and maintenance of the vehicle engine multifunction display unit.

Exam

SCOPE: General review of material covered. 75% or better is required to pass the test