Technician Training

AS350 B2
Airframe Field Maintenance Training Course

10 Days / 2 Weeks
Classroom 40 Hours
Practical 20 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
- 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 AS350B2 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: History of Airbus helicopters. Introduction to the AS350 helicopter.

Publications Classroom 5.0 hours

SCOPE: New O.R.I.O.N publication, ATA 100 specifications as it applies to the AS350, construction, content, use, effectivity and Keycopter revisions of the AS350 publications. Quiz covering the material.

Overview / Structure Classroom 6.0 hours

SCOPE: Description, construction, maintenance, and inspection of the primary and secondary structure and landing gear. Quiz covering material.

Main Rotor Drive System Classroom 2.0 hours Practical 4.0 hours

SCOPE: Description, construction, maintenance, troubleshooting and inspection of the gearbox, gearbox lubrication system, engine drive and rotor brake. Practical work includes removal and installation of the gearbox modules, input seal, rotor brake and drive shaft. Quiz covering the material.

Main Rotors Classroom 2.0 hours Practical 4.0 hours

SCOPE: Description, construction, maintenance, inspection and troubleshooting of the main rotor shaft, practical work includes removal, disassembly and reinstallation of the components and assemblies. Quiz covering the material.

Main Rotor Head Classroom 2.0 hours Practical 4.0 hours

SCOPE: Description, construction, maintenance, inspection removal and installation of starflex and blades. Including their new individual technology. Quiz covering the material.

Exam Number 1

SCOPE: Students will be given a 50 question multiple choice closed book exam. The exam will question the students on information covered in the subjects preceding this exam.

Tail Rotor Transmission System Classroom 1.5 hours Practical 1.5 hours

SCOPE: Description, construction, maintenance, inspection and troubleshooting of the tail rotor drive shaft and tail rotor gearbox. Practical work consists of removal, inspection installation of tail rotor gearbox and its input seal tail rotor yoke and yoke teetering bearings and spider bearing and pitch change links inspection. Quiz covering the material.

Tail Rotor System Classroom 1.5 hours Practical 1.5 hours

SCOPE: Description, construction, maintenance, inspection of the tail rotor blades. Practical work includes removal and reinstallation of the laminate half bearings, spherical bearings and rotor blades. Quiz covering the material.

Electrical Power System Classroom 3.0 hours

SCOPE: Description, operation, maintenance and troubleshooting of the electrical system. Quiz covering material.

Servo Controls and Hydraulic System Classroom 3.0 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of the servos and hydraulic system. Practical work includes removal and reinstallation of a hydraulic pump, bearing, belt and actuators. Quiz covering the material.

Rotor Controls (Flight) Classroom 1.0 hours Practical 3.5 hours

SCOPE: Description, construction, operation, maintenance and rigging of the flight controls. Practical work includes rigging the aircraft flight controls and tail rotor controls. Quiz covering the material.

Fuel System Classroom 1.5 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of fuel system. Quiz covering the material.

Instruments Classroom 2.5 hours

SCOPE: Location, description of radio/navigation equipment, location, description operation, of pitot static instruments and their respective systems. Quiz covering the material.

Lighting, Equipment and Furnishings Classroom 3.0 hours

SCOPE: Description, operation and troubleshooting of the lighting and fire detection systems. Description of furnishings available for the AS350. Quiz covering the material.

Engine and VEMD Classroom 5.0 hours (VEMD) Practical 1.5 Hours

SCOPE: Description, operation, maintenance and inspection of the engine/airframe interface. Airframe components of the engine lubrication system and system operation. Quiz covering material.

Exam Number 2

SCOPE: Students will be given a 50 question multiple choice closed book exam. The exam will question the students on information covered in the subjects preceding this exam. An average between exams #1 and #2 of 75% or better is required to pass the class.

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