



Technician Training

AS350/series Field Maintenance Refresher Training Course

5 Days / 1 Week
Classroom 30 Hours
Practical as requested

Approved By: Ross McMichael _____ Date:01/06/2020

Instructor _____ Date ____/____/____

Rev. 2.2

AIRBUS



This course is comprised of a theoretical presentation and practical exercises when necessary to adequately review the basic aircraft systems and perform certain maintenance tasks described in Airbus maintenance documentation. Review of recent ASB/EASBs and modifications to the 350series aircraft.

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
- Previous AS350series Field maintenance course

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 AS350 series refresher 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 0.5 hours

SCOPE: History of Airbus Helicopters. Introduction to the AS350 series helicopter.

Publications

Classroom 1.0 hours

SCOPE: New O.R.I.O.N. publications, ATA 100 specifications as it applies to the AS 350 series helicopters, construction, content, use, effectivity and revisions of the Keycopter publications.

Overview/Structure

Classroom 1.5 hours

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

Power Transmission to Main Rotor

Classroom 3.0 hours

SCOPE: Description, construction, maintenance, troubleshooting and inspection of the gearbox, gearbox lubrication system, engine drive and rotor brake.

Main Rotors

Classroom 1.0 hours

SCOPE: Description, construction, maintenance, inspection and troubleshooting of the main rotor shaft, head and blades including their new individual technology.

Tail Rotor Gearbox System

Classroom 2.0 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, teetering bearings, spider bearing, and pitch change links inspection.

**Tail Rotor System**

Classroom 2.0 hours

SCOPE: Description, construction, maintenance, inspection of the tail rotor blades.

Electrical Power System

Classroom 3.5 hours

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

Servo Controls and Hydraulic System

Classroom 2.0 hours,

SCOPE: Description, operation, maintenance, inspection and troubleshooting of the servos and hydraulic system.

Tandem Servos and Dual Hydraulics

Classroom 1.5 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.

Rotor Controls (Flight)

Classroom 2.0 hours

SCOPE: Description, construction, operation, maintenance and rigging of the flight controls.

Fuel System

Classroom 2.0 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of fuel system.

Instruments

Classroom 1.0 hours

SCOPE: Location, description, operation, maintenance, inspection and troubleshooting of all instruments and their respective systems.



Lighting, Equipment and Furnishings

Classroom 1.0 hours

SCOPE: Description, operation and troubleshooting of the lighting and fire detection systems. Description of furnishings available for the AS 350.

Engine Installation

Classroom 3.0 hours

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

Anti-Vibration Devices

Classroom 1.0 hours

SCOPE: Description, operation, maintenance, inspection and troubleshooting of anti-vibration device and cabin resonators.

Review, Final Exam and Critique

Classroom 1.5 hours

SCOPE: General review of material covered. Final examination, review of examination and student course critique.