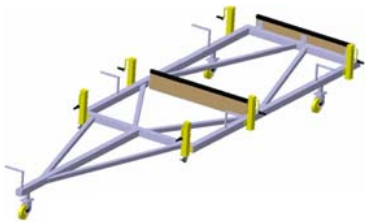


Note: H-60 refers to all versions of the Blackhawk Series Helicopters

Model No. 70550 Mastered Tool

Fixture Features

- H-60 ramp loading provisions
- Gear Damaged A/C Loading
- Transmission or Stub Wing holding
- Laser Alignment Checking
- Hard Point Locators
- Computer Controlled Measurements
- Alignment Report Generation
- Retrievable Inspection Records
- Handles Multiple H-60 A/C Types
- Extendable Deck Slides
- Corrosion Resistant Construction
- Upper A/C Measuring Capabilities
- Best Fit Alignment Evaluation



Damaged Gear Loading Dolly

Hard Point Locators

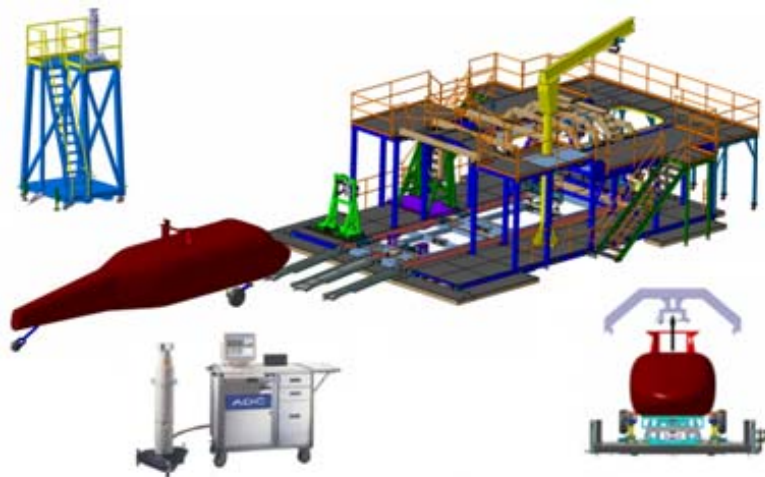
- Transmission Beams
- Servo Beams
- Oil Cooler
- Engine Mounts
- Drive Shaft Brackets
- 485 Bulkhead
- Canted Bulkhead
- Drag Links

Purposes of the R-LTAA

The main purposes of the R-LTAA are to provide the following capabilities:

- H-60 Ramp Loading Provisions into the holding fixture
- Cart Loading for damaged landing gear cases
- Hold the A/C securely in its design coordinate system
- Accurately measure the A/C's alignment
- Accurately locate A/C components and accessories
- Automatically record alignment accuracies and generate alignment reports
- Fast retrieval the A/C's past recorded alignment histories
- Utilize stored hard point data and required tolerances
- Save inspection results in the system's database
- Provide a safe and convenient operational environment
- Self validation of system calibration

The Ramp Loaded LTAA System



Fixture Loading and A/C Lift Configuration



Laser Sighting Adapter Kit

A sighting Adapter Kit is provided with the system. This kit provides physical extensions offsetting the hard point locations from actual points of interest. Values of the offsets are stored in the computer and are used to accurately compensate for tooling ball displacements.



Transmission Beam Supports A/V in its Design Coordinate System Relative to Base Fixture



Other Beams used to locate Components in Design Coordinate System Relative to Base Fixture

COMPONENTS OF THE LASER MEASURING SYSTEM



Computer Workstation with Display & Printer

AMACF Menus and Controls

Laser Tracker Head

High Tower Sighting Platform

Note: AMACF is ADC's Proprietary Aircraft Maintenance Alignment Check Fixture Software Delivered with the System