



SOLOY STC ENGINE CONVERSION

AS350 BA and AS350 B2 Helicopters

SOLOY SD1/SD2 CONVERSION

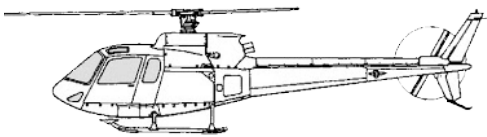
Airwork NZ is an industry leading helicopter engineering and maintenance, sales and leasing company. The in-house expertise, world class technology and certifications are what distinguish us within the global aviation market.

Based at Ardmore Airport in Auckland, New Zealand, our business operates in a global market. Airwork NZ is an Airbus and Honeywell Approved Service Centre and its engine test cell enables engine testing after repair and overhaul, providing performance data for customers about our service and repairs.

Through continuous investment over a number of years, we have developed many unique helicopter capabilities – notably with the BK117 and AS350/355 helicopter types.

WORK SMARTER

Through such investments Airwork is now the exclusive owner of the Soloy engine modification STCs for the AS350 aircraft. Airwork has a long-standing Honeywell engine overhaul capability and is also an Authorised Airbus Service Centre for your Dynamic Component overhaul and repair needs. This coupled with our manufacturing expertise will enable us to continue to manufacture Soloy conversion kits. This enables Airwork to offer a more comprehensive single point of support for your investment in the ‘Soloy’ aircraft engine upgrade of your AS350 helicopter.



The SD converted AS350 has the lowest operating cost and highest reliability of any helicopter in its class. These conversions allow operators to cut operating costs immediately due to a reduction in fuel consumption, maintenance inspection and overhaul costs, as well as improved reliability provided by this essentially “on condition” powerplant.

CERTIFICATION

- FAA
- EASA

SD1

The Soloy **AS350 SD1** kit is based on the original **AS350 BA** model helicopter. New drive train components are used and the conversion kit includes installation documentation, full extended tailboom heat shield and all other required parts including the Honeywell engine.

Additional options:
Digital/analog T4 indicator
Digital/analog Torque Indicator

SD2

The Soloy **AS350 SD2** kit is based on the original **AS350 B2** model helicopter. New drive train components are used and the Soloy conversion kit includes installation documentation, a digital/analog Torque Indicator, full extended tailboom heat shield and all other required parts plus the Honeywell LTS101-700D-2 engine.

Additional options:
Digital/analog T4 indicator
200amp Starter Generator



ENGINE CONVERSION

LTS101-600A3A - ENGINE RETROFIT

OFFERING AS350 BA OPERATORS

- Increased power, performance and temperature margin
- Lowest SFC and maximum Hot/High power margin of all AS350 BA engine alternatives
- 1800hr Hot Section Inspection interval.
- Field Maintainability
- Improved accessory gearbox module with several durability upgrades including wet spline starter and fuel pump gears
- Improved GP nozzle/curl and effusion type combustion liner increase component durability while lowering hot section hardware distress.



FEATURING

- 6% increase in take-off power
- 44% increase in minimum field margin
- 7.5% to 15% increase in payload

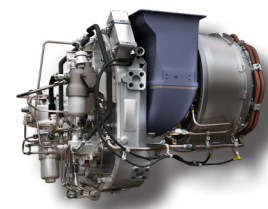
LTS101-700D-2 - ENGINE RETROFIT

OFFERING AS350 B2 OPERATORS

All the maintainability benefits, performance increases and upgrades associated with the LTS101-600A-3A

PLUS

- N1 Rotating set with a new 15,000 cycle life GP Rotor Turbine disc with air cooled blades and a Titanium impeller
- Lower cycle accumulation along with increased torque capacity
- On condition electronic overspeed system replaces TBO life limited mechanical overspeed limiter
- Airwork's fixed price-per-flight-hour Support Plan available



FEATURING

- Greater than 12% increase in take-off power and 21% increase in hot day power compared with the 600A-3A

LTS101 ENGINES

SD1 - AS350 BA

ENGINE: LTS101-600A-3A

POWER RATINGS

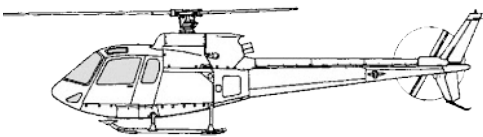
Take Off: 650 SHP
Maximum Continuous: 590 SHP

HELICOPTER LIMITS

Take Off: 564 SHP
Maximum Continuous: 531 SHP

WEIGHT LIMITS

Empty Weight Useful Load: 2670 lbs (1211 kg)
Maximum Weight: 4630 lbs (2100 kg)
Maximum Weight Ext. Load: 4961 lbs (2250 kg)



SD2 - AS350 B2

ENGINE: LTS101-700D-2

POWER RATINGS

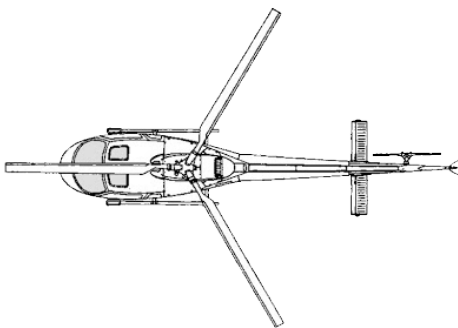
Take Off: 732 SHP
Maximum Continuous: 650 SHP

HELICOPTER LIMITS

Take Off: 641 SHP
Maximum Continuous: 603 SHP

WEIGHT LIMITS

Empty Weight Useful Load: 2886 lbs (1309 kg)
Maximum Weight: 4960 lbs (2249 kg)
Maximum Weight Ext. Load: 5512 lbs (2500 kg)



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Approved Service Centre

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