



TITLE: HKS Engine Starting Procedure.
CLASSIFICATION: Recommended.
COMPLIANCE: Every HKS Engine Starting Operation.
APPLICABILITY: All AX2000 and Quantum aircraft with HKS 700E engines.

INTRODUCTION:
 The original HKS Operations Manual required that for cold start, the engine be turned over for about 10 seconds, ignition off, to get the oil pumping around the engine. This procedure results in a loud bang when the engine is then started.
 HKS have subsequently removed this procedure from the Operations Manual, and advised us that it is now only recommended if the engine has not been started for a couple of weeks or more.

ACTION:
 File this bulletin with your HKS 700E Engine Operations Manual. Use the following Engine Starting Procedure from the current HKS 700E Operations Manual:

5.1 Before Starting the Engine

- With the aircraft chocked or tied down.
- Ignition "OFF"
- Has the daily check been done? (See Sec 6.1)
- Check the range and free movement of the throttle lever.
- Turn the propeller by hand; check the engine for unusual noises or hard movement.

5.2. Starting the Engine

- Parking brake: Set (or aircraft chocked)
- Fuel shutoff valve: OPEN
- Choke: On (if necessary)
- Throttle: Closed
- Master switch: ON
- Ignition: Both ON
- Starter: Engage
- Let engine run at approx. 2000 r/min
- Oil pressure: Check nominal (See Sec 3.6)

CAUTION!

- Crank the starter for a maximum of 10 seconds only. If the engine does not start, a cooling down period of 3 minutes is required.
- Check the oil pressure after starting engine, if the indicated oil pressure is too low, stop the engine. Otherwise the engine will be damaged.

ISSUED BY: LOUISE BEALE DATE:

Chief Engineer		Date
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