

## SUBJECT: NEW SETTING OF STARTING PARAMETERS

Engine type:	H16
Serial numbers:	up to 011
Compulsory:	NO
Due date:	-

Safety urgency:

High	
Medium	
Low	
N/A	X

Reason:

Dedicated for engines equipped with brushed fuel pump ZP30020F and SF.  
 To improve engine starting for both kerosene and diesel fuel.  
 Usually also reduction of flames during starting with diesel fuel is achieved.

Action:

By means of Hand Data Terminal change following parameters in the Engine Control Unit (FADEC):

- Low Batt.Volts -> 6.8V
- Engine min. Flow -> 75%
- EGT End Preheat -> 100°C
- RPM PREHEAT K -> 6000
- Preheat fuel -> 30%

Note: Detailed description how to read and modify parameters in the control unit is described in the chapter 6 of the H16 Engine User Manual.

Perform normal start.

In case you observe flames longer than 5cm during “preheat” phase reduce the parameter “Pump Pw Ignit. K” by 1 point.

In case of long “preheat” phase (>10s) increase the parameter “Pump Pw Ignit. K” by 1 point.

In case of excessive flames (>15cm) during a fuel ramp, reduce the parameter “Pump start ramp” step by step by 2 points.

In case of long fuel ramp phase (or rpm hanging between 13 000 - 19 000) increase the “Pump start ramp” parameter step by step by 2points.

Always modify only one parameter at once.

Completion of the TN16-01 record in the Engine Logbook: “Performed TN16-01”

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