

F4 IND Oil Pump Inspection & ECU Updates Technical Bulletin # F4-2017-EN003

Approval



This Technical Bulletin contains information regarding inspection of oil pumps at the F4 Indianapolis Motor Speedway event.

Because of inconsistencies in oil pressure seen between cars, and changes to the PRV specification since the start of the program, HPD will be inspecting all cars to make sure they have the proper oil pump PRV spring installed. This activity will happen during the day on Thursday 6/7 at the track. HPD will coordinate with SCCA and teams to schedule the inspections around the safety technical inspection schedule.

Teams will be required to pull back the rear floor section to allow access to the bottom of the oil pump. The inspection is expected to take 5 – 10 minutes per car (not including time required for floor removal).

HPD will also be updating ECUs at the track during the day on Friday, between the test sessions. HPD will coordinate this activity also, and will request that teams bring their ECUs to the HPD associates for updates.

The updates to the ECUs include safeguards against running with oil pressure below the alarm thresholds. If oil pressure drops below the alarm threshold, engine power will be reduced significantly by eliminating actuation of the variable camshaft timing system. As well as limiting power, this also allows more oil flow to the engine bearings, helping to prevent engine failures.

If teams have additional cars that will not be at the event, we encourage them to bring the ECUs from the other cars to the event so that they can be updated. Cars not updated at this event will be updated at the next event they attend.

If you have any questions regarding the content of this bulletin, please contact Jeff Barrow at jbarrow@hra.com or GRMS Admin at GRMSAdmin@hra.com.

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