

HPD F4 Engine Performance Test Request Process Technical Bulletin # F4-2017- EN002

Approval
James G. Fischer

This Technical Bulletin contains information regarding the HPD F4 Engine Performance Test Request process.

Down on Power Verification Request Process

1. Any team may request that their Honda F4 engine be dyno tested at any time during the tenure of the lease.
2. All teams must have written permission from Honda Performance Development and SCCA Pro Racing. Customer/Team must fill out the “HPD F4 Engine Performance Test Request” form and send to:
 - a. jbarrow@hra.com & soseth@sccapro.com
3. The following information is required on the form in order to be considered for approval:
 - a. Reason for request – i.e. – “down in power”, “mechanical issue”, “overheated engine”, “oil pressure warning light”, “water temp warning light”, etc.
 - b. Engine seal numbers and Engine block serial number.
 - c. Data to support findings – This should be any data requested from HPD and/or SCCA Pro. It will be up to the team to download, organize and manage all engine data, so that when requested it can be easily be found and sent to support the engine analysis request. No approvals will be issued without engine data to support request. This could be video data as well.
 - d. Engine data must be sent through the HPD-Accellion data file share services.
4. Teams must read and understand the F4 Sporting Regulations. Please review “Engines section 28” as it details potential penalties as it relates to engine changes.
5. Any engine change that occurs during an event where there is no definitive engine data to support a change will result in a 3 race, 10 spot grid penalty to be applied at the next event. The customer will be charged the \$1,500 dyno fee deposit as well as any shipping costs, and the engine will be sent back for analysis. If the engine is found to be down on power, the dyno deposit will be refunded. If the engine is found to be within the F4 series/FIA engine performance guidelines, the customer has the choice of paying for return shipment of the original engine and reinstalling it, or keeping the new engine and paying for the long block, part #10000F29SA000 - \$5,555.00. This process is subject to availability and approval by HPD and SCCA Pro, and will be highly discouraged as engine changes at events are meant for true mechanical failures
6. All engines that are approved for dyno analysis will follow these guidelines:

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- a. Fill out “HPD F4 Engine Performance Test Request” form and submit to Jeff Barrow at HPD. jbarrow@hra.com. Customer/Team will be notified if request is approved or denied within 2 days.
 - b. A \$1500 deposit is to be paid to HPD once request has been approved.
 - c. Customer/Team is responsible for all shipping to and from QSRE.
 - d. Standard turnaround time 2-3 weeks, any request for expedited analysis will require an additional \$500 expense (non-refundable), plus shipping.
 - e. Once engine has been analyzed HPD will determine if engine falls between the F4 series/FIA engine performance guidelines. If engine is outside guidelines, HPD will supply an engine that meets the guidelines and deposit will be refunded. If engine is within guidelines, deposited will be applied to Customer/Team account and engine will be returned. Customer/Team must reinstall this engine to use in series.
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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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