

F4 2018 Engine Services and Parts Cost Technical Bulletin # F4-2018-EN002_Rev1

Approval

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This Technical Bulletin contains information on fees associated with inspection, repair and/or replacement of F4 engines currently in the USF4 Championship.

Overview

In an effort to control and regulate engine repair costs, HPD, in cooperation with Quicksilver Race Engines (QSRE), have established flat fee minimum Labor Charges. HPD will publish parts prices on an annual base. **2018 Honda F4 Engine Parts List V10** prices are distributed with this bulletin in a separate PDF file. OEM parts are invoiced at Honda Racing Line member pricing. The examples below are **estimates only**; each situation will be analyzed by QSRE and HPD, shipping cost are additional.

Service, Repair and Request Examples:

1) Performance Confirmation / Down on Power Complaint

Engine Inspection and Performance Test Labor Only - \$1,500: Inspection items will include a leak down test, thrust bearing clearance check, and valve clearance check & adjustment. If an engine is found to be damaged and non-returnable, QSRE will prepare an estimate, including required parts needed for HPD and customer. Please refer to already established **HPD Technical Bulletin #HPD-F4-2017-EN002**. **This type of test and service must be approved by HPD and SCCA Pro prior to the customer sending the engine to QSRE, as some penalties could occur.**

2) Engine Replacement (Overheat / Failure)

New and/or Replacement Engine Assembly, Labor Only - \$2,125: This charge is the minimum fee for de-contenting damaged and/or new crate engines, assembly of new and/or replacement engine and compliance dyno test. Additional charges will apply for any parts that are deemed damaged from previous engine and/or cannot be transferred to new and/or replacement engine.

3) Engine Rebuild (Achieved Target Engine Life / 10,000 km)

Complete Engine Rebuild Example (Non-Damaged Engine and/or Timed out Engine) - \$4800.00: **Service includes replacement parts** plus complete disassembly, inspection and parts cleaning. Rebuild includes block honing (within OEM, factory tolerances), measurement of connecting rods, crankshaft and fitment of new bearings. Perform valve job, install new rings, and replace valves (if necessary). Reassemble per HPD specs. This service is under the

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assumption that most major parts can be reclaimed, cleaned and reassembled to the long block. (i.e. Sump, Oil Pump, Harness etc.).

All Engines are Dyno tested after completed service for “Compliance Check” - \$850.00

Below are examples of typical parts often needed to complete repairs above. Long Block is only used when there is severe damage from overheating, thrust bearing failure damage and/or other catastrophic failures. Engine Parts List now includes a “Recommended Service/Replacement” at suggested Km intervals. These parts are highlighted on the Parts List and should be replaced as recommended. Please refer to **2018 Honda F4 Engine Parts List** for other parts pricing.

10000F29SA000 – Engine Assembly, Non-Turbo “Long Block” \$5,908.50

15100FC4YA000 – Oil Pump Assembly \$1,576.41

06221F29SA000 – Kit, Clutch Assembly \$606.41

15400FC4YA000 – Oil Filter Cartridge \$11.84

**More or Less parts may be needed and each service and/or repair/replacement is evaluated and quoted prior to work being performed.*

Starter Rebuild - \$300: This is the charge for a rebuild of a starter core that has been modified for the F4 engine. If a modified core is not provided, additional charges for a new OEM starter plus modifications will be applied.

HPD must be informed of engine service request and requested should be generated through e-mail notification to GRMSAdmin@hra.com. Engine services approved are based on a first come-first serve basis and is arranged through QSRE. Any requests for expedited services must be approved by HPD, and may incur additional charges.

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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