

# INSTOCK

## 2013 HONDA CRF250R

The 2013 CRF250R is about as close as you can get to the perfect 250F. It does everything right and leaves most riders shrugging their shoulders when asked how to improve it. The main focus when you're trying to make any 250F better is generating more horsepower and then customizing it to your preferences. We turned to some experienced companies to help us turn our perfectly capable Honda into a fire-breathing race machine.

BIKE BUILD BY POWERED BY NAVEEN  
[www.poweredbynaveen.com](http://www.poweredbynaveen.com)

TEXT BY DAVID PINGREE  
 PHOTOS BY GARTH MILAN/MCG

>> FMF  
 4.1 RCT Titanium Megabomb head pipe and muffler with carbon-fiber end cap  
[www.fmfacing.com](http://www.fmfacing.com)

>> MOTO TASSINARI  
 Air4orce Airboot with Powered by Naveen modifications  
[www.mototassinari.com](http://www.mototassinari.com)



>> PRO TAPER  
 SE handlebars, PT quick-adjust clutch perch, chain and sprockets, footpegs  
[www.protaper.com](http://www.protaper.com)

>> WORKS CONNECTION  
 Radiator braces, master cylinder covers, axle adjusters  
[www.worksconnection.com](http://www.worksconnection.com)

>> FACTORY CONNECTION  
 Fork and shock revalve  
[www.factoryconnection.com](http://www.factoryconnection.com)

>> ONE INDUSTRIES  
 Custom Graphics Kit  
[www.oneindustries.com](http://www.oneindustries.com)

>> CYCRA  
 Plastics  
[www.cycracing.com](http://www.cycracing.com)

>> FASST CO.  
 Brake clevis and lever-return spring  
[www.fasstco.com](http://www.fasstco.com)

>> CV4  
 Radiator hoses  
[www.cv4.net](http://www.cv4.net)

>> HINSON  
 Complete clutch assembly  
[www.hinsonracing.com](http://www.hinsonracing.com)

>> CRF STUFF  
 270mm oversize front rotor with racing brake lines (front and rear) and aluminum anodized billet banjo bolts  
[www.crfstuff.com](http://www.crfstuff.com)

>> DUBYA  
 Kite hubs, DID STX rims  
[www.dubyausa.com](http://www.dubyausa.com)

>> DUNLOP  
 MX 51 rear, MX 51 front  
[www.dunlopmotorcycle.com](http://www.dunlopmotorcycle.com)

### >> POWERED BY NAVEEN (PBN) ENGINE MODS

- Camshaft: Naveen Racing Components (NRC) spec
  - Valves: NRC spec
  - Piston: NRC spec
  - Cylinder Head Porting: PBN spec
  - Crankshaft: NRC spec
  - Transmission: PBN spec
  - Polished Cases: PBN spec
  - ECM mapping: PBN spec
- [www.poweredbynaveen.com](http://www.poweredbynaveen.com)

*Note: All Powered by Naveen race engines are developed and tested to run with FMF exhaust, PBN intake modifications, and PBN ignition and fuel mapping.*

TO SEE HOW THE 2013 HONDA CRF250R PERFORMS WITH THESE MODS, HEAD OVER TO  
[www.raceronline.com/category/racer-x-tested](http://www.raceronline.com/category/racer-x-tested)



For this project we contacted Powered by Naveen to get our horsepower numbers up. Naveen has been building quality engines, especially Hondas, for years. All the engine parts used were a PBN spec, and a Hinson clutch was used with it. For the exhaust system we used an FMF 4.1 RCT Titanium Megabomb head pipe and muffler with carbon-fiber end cap. A Moto Tassinari Air4orce airboot was also installed to complement the engine package. The ECN and fuel mapping were set to PBN specs.

Factory Connection set up the suspension, and they also have a pedigree to be trusted, particularly with Honda 250s. Dubya USA supplied the wheels, and they included Kite hubs with DID STX rims. We mounted Dunlop MX 51s to those for perfect traction.

We improved the brakes by installing an Oversize Rotor from CRF Stuff as well as their racing brake lines in the front and rear; that was finished off with anodized aluminum banjo bolts. Pro Taper took care of our controls, including handlebars with their quick-adjust clutch perch. Pro Taper also supplied our chain and sprocket in a 13/50 configuration.

One Industries made the graphics (with a nod to Jantz Grodzicki), and the finishing touches included a Fast Co. brake clevis and return spring and Works Connection radiator braces, axle adjusters, and master cylinder covers. Pro Taper supplied the footpegs, CV4 gave us radiator hoses, and the plastic is all from Cycra.

All this made for an amazing-looking bike with the heart of a beast. We asked our friend and former 250 supercross winner Casey Johnson to put the bike through its paces and give us some honest feedback. To hear what he had to say, head over to [www.racersonline.com/category/racer-x-tested](http://www.racersonline.com/category/racer-x-tested). **X**

