

# BBR CRF150R Perimeter Frame™

INSTALL INSTRUCTIONS



# BBR

M O T O R S P O R T S

www.BBRMOTORSPORTS.com | TOLL FREE (888) 668-6227 | 1028 4th St. SW-A Auburn, WA 98001

## Important Information

### Please Read

**Important:** This is a complete teardown and re-assembly of your CRF150R/RB. If you are not 100% confident in your ability to do this work. Please visit your nearest BBR or Honda dealer.

#### Frame Care & Maintenance:

BBR Frame kits retain a raw aluminum finish for ease of care and maintenance. A bright finish can be maintained with any mild detergent and light scuffing with a scotchbrite pad or steel wool.

**Note:** Be sure to use high quality grease or anti-seeze on all aluminum threads.

- 1.) Disassemble your CRF150R/RB.
  - Remember to drain radiators before disassembling.
  - Remove electrical system, kickstarter, shift lever, sprocket cover and carburetor from engine. This will aid in the re-install.
  - Airbox can remain on subframe as this entire unit will be re-installed.
  - BBR recommends, at this point, to reference your CRF150R *Owners Manual: General Competition Maintenance Section* to lubricate all suspension components.

Your new BBR Perimeter Frame comes with motor mounts, radiators, gas tank, headset races and footpeg mounts.

- 2.) Remove supplied motor mounts
  - Install engine into frame (install from left side, head first then rotate, set down between lower motor mounts). (Fig.1)

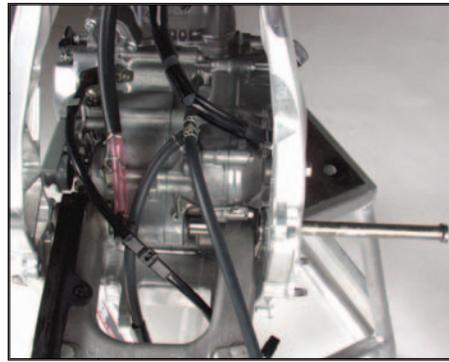


(1)

- Install lower engine mount bolt (Do not tighten).

3.) Install swingarm and swing arm pivot bolt.(Fig.2)

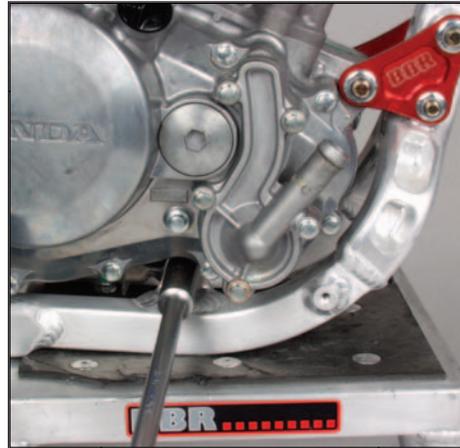
-Install BBR front motor mount plates with supplied hardware.



(2)

4.) Tighten all hardware:

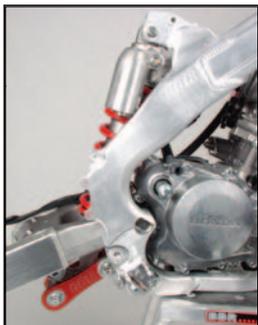
- Swingarm Pivot:  
61 foot lbs.
- Front motor mounts:(Fig.3)  
10mm - 47 foot lbs.  
8mm - 25 foot lbs.
- Lower motor mounts:(Fig.3)  
47 foot-lbs.



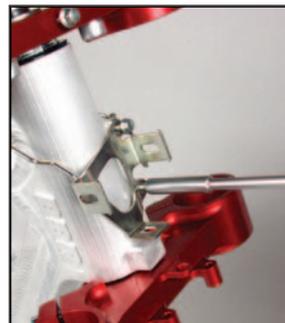
(3)

5.) Install rear suspension components. (Fig.4a)

6.) Install CDI holder bracket to head tube. (Fig.4b)

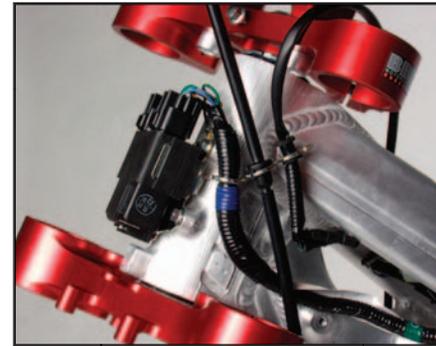


(4a)



(4b)

7.) Install electrical components through CDI bracket as well as the clutch cable. (Fig.5a, 5b)



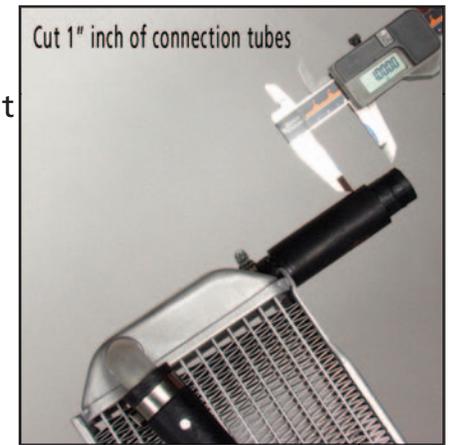
(5a)



(5b)

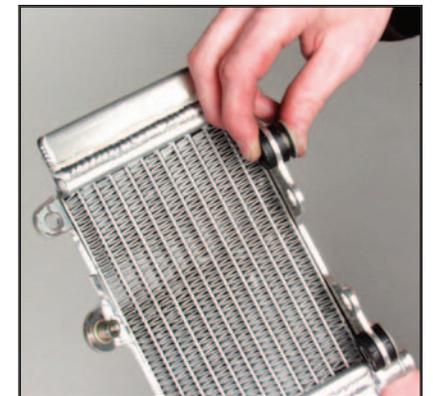
8.) Remove rubber mounts from OEM radiators and cut 1.0"(25mm) off radiator connector hoses. (Fig.6)

\*Pump and return hoses do not need to be trimmed.



(6)

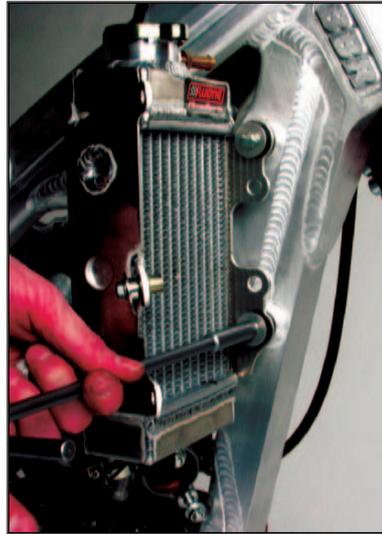
9.) Install rubber mounts and hoses on new radiators. (Fig.7)



(7)

10.) Install radiators onto frame.  
(Fig.8)

-Re-connect hoses, tighten hose clamp. (Plastic white OEM louver will fit into new radiators.)



(8)

11.) Remove fuel valve, tank mounts and seat slider pin from the OEM fuel tank. (Fig.9) , (Fig.10)



(9)



(10)

13.) Install fuel valve on the new tank. (Fig.11)



(11)

14.) Re-Install OEM tank mounts onto new BBR tank.  
(Fig.12,13)



(12)

**Note:**

Tank mounts are attached to the front and rear of new tank.



(13)

- 15.) Install tank on frame,  
install seat pin slider on tank  
(Fig.14b)using OEM hardware.  
(Fig.14a)

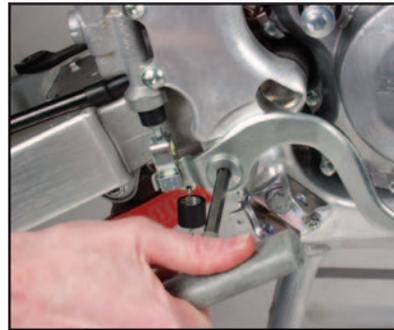


(14b)



(14a)

- 16.) Install brake pedal and rear  
master cylinder using OEM  
hardware. Brake spring will  
mount to bracket behind foot  
peg mount. (Fig.15)



(15)

- 17.) Install carburetor onto engine.

- 18.) Install subframe / airbox  
assembly

- 19.) Install remaining components  
the same as OEM assembly.  
(NOTE: throttle cable needs to  
run between radiator and  
Perimeter Frame tube.) (Fig.16)

- 20.) Double check all components,  
fasteners, connections and  
fluid levels.



(16)

**NOTE:** Your BBR 150R Perimeter frame fits  
both CRF150R and CRF250R/450R  
footpegs.

The pre-installed BBR steering bearing  
races will accept both BBR or OEM  
steering bearings.



**BBR Options Available:**

- Billet Adjustable Linkage
- D-Section R/RT Exhaust System
- Billet Brake Pedal
- Billet Steering Stem Nuts
- Aluminum Sprocket Cover
- Billet Axle Adjuster Blocks
- Aluminum Folding Shift Lever
- Heavy Duty Fork Springs
- Heavy Duty Shock Spring

- 625-HCF-1641
- 211-HCR-1615
- 120-HCF-1641
- 517-HCF-1641,31,11
- 405-HCF-1642
- 332-HCF-1641
- 537-BBR-1008
- 650-HCR-8005
- 660-HCR-8005

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