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Before you begin, place the bike on a hard level surface where you have room to work. Lay out the parts included in this kit and compare to the parts list on page 5 of these instructions. If any parts or hardware are missing, contact us immediately at the number listed above.

Tools Required:

- 8, 10, 12, 13 & 14mm sockets
- 6mm hex key wrench
- 10mm wrench
- #2 Phillips screw driver
- Thread locking compound
- Torque wrench

NOTE:

When installing HT guards and racks, leave all bolts loose until entire rack is fitted. This allows the rack to move and take up differences in frame constructions.

**Step 1, Radiator guard removal**

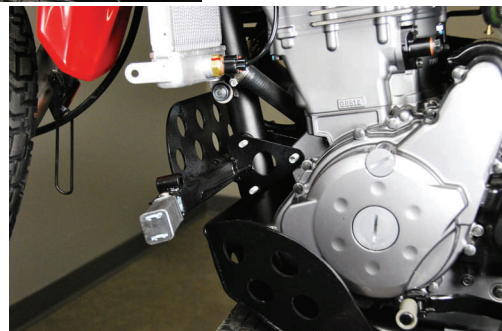
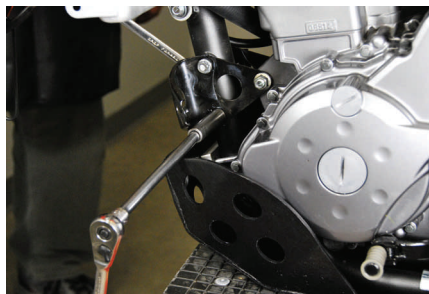
Remove the Radiator shrouds by removing the Phillips screws. Caution, there is a spacer between the radiator shroud and the front cowling. Remove the three bolts securing the radiator shroud. On the left side a black plastic rock guard will fall free when you remove the two front bolts, be prepared to catch it.

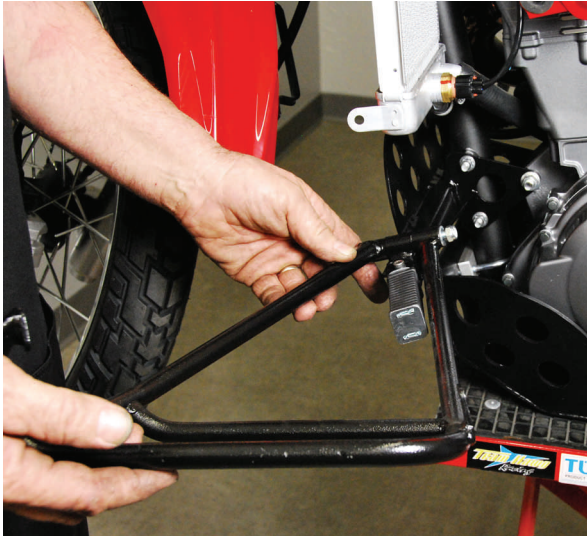
Set your radiator guards aside in a protected area.

**Step 2, Highway peg installation**

We recommend that thread locking compound should be used on all bolts when installing our products.

Remove the front engine mount triangles securing the engine to the frame. These triangles will not be used. Install the highway peg in the location of the factory engine mounts. Torque the 10mm bolt to 24 ft/lbs, and the 8mm bolts to 18 ft/lbs.





### **Step 3. Installing the PD Nerfs**

Remove the 4 bolts securing the front fender and let it rest on the front tire. Install the two Nerf sides onto the spud on the Highway pegs using the 8mm bolts.

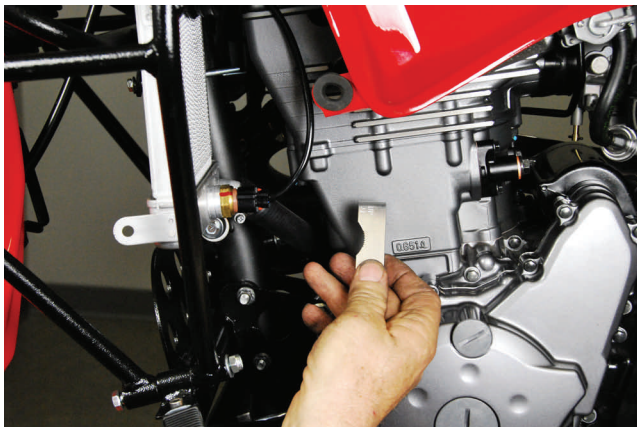
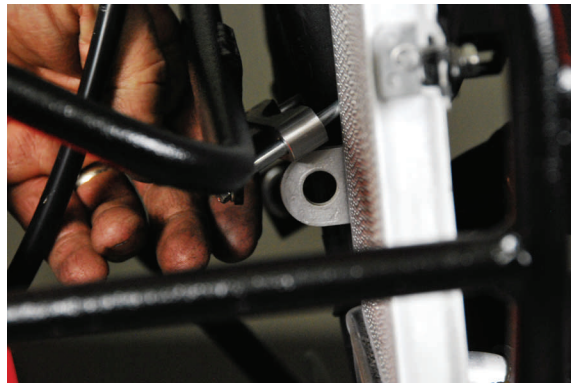


### **Step 4. Installing front bracket**

Install the front U shaped bracket that connects the two Nerf uprights. Leave the bolts very loose.

Find the two aluminum frame clamps. Note that when you hold the pieces, hold them so that the word "UP" is facing up and both arrows are facing forward. Install the shorter of the two clamps to the front bracket tab using the two long 6mm bolts. Just feed the bolts through the brace tab, then through the shorter clamp block.

Slide the rear block around the rear of the frame tube and push the bolts through it to hold in place.



#### **Step 4. Installing crossovers**

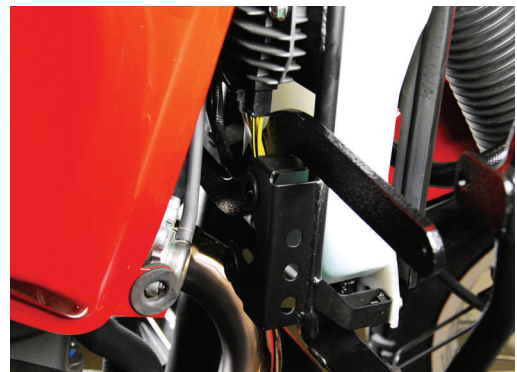
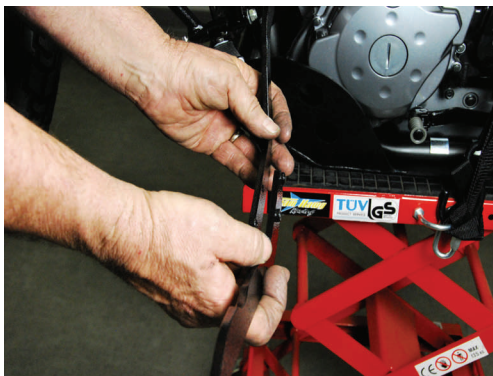
Note that one of the crossover brackets has two threaded nuts welded to it. That is the rear most crossover, left hand side (as sitting on the bike). The long bolts that go through the front U shaped bracket and aluminum frame blocks feeds through the holes on the right crossover and thread into those threaded inserts on the left crossover bracket. See photos to clarify.

Feed the right crossover in from the left side of the bike. It will run behind the voltage regulator (watch for the wiring) and attach to the right Nerf bar. Using a M6 bolt and nut, loosely attach to the Nerf bar.

Install the left crossover with the nuts facing the rear of the bike into the area behind the frame down tube where the aluminum blocks are. Push the long bolts through the aluminum blocks, the right crossover bracket's holes, and thread into the left crossover. Leave loose.

Be sure that no cables or wires are being pinched in any of the brackets. Pay close attention to the clutch cable running down the frame tube.

Tighten the two long 6mm nuts that go through the aluminum blocks so they are gently snug. Remove the temporary bolts attaching the right crossover to the Nerf, and the front U shaped bracket's bolts attaching it to the Nerf bars. Let the Nerf bars fold out and hang free.



### **Step 5. Installing radiator shrouds**

Loosely fit the three radiator shroud bolts in place and check that the shrouds fit square and are seated properly. For the upper inside bolt you may need a flashlight.

Replace the upper Phillips head screw and spacer last. Gently tighten the Phillips head screw. Remember you are tightening plastic to plastic and it is easy to crack.



### **Step 5. Securing the PD Nerfs**

Raise the PD Nerf bars into place, aligning them with the brackets previously installed.

On the front mounting point, use a M6x20 bolt, insert a rubber washer between the two bolt tabs, another rubber washer under the steel washer and nut. Only tighten a couple of turns.

On the rear mount, use a M6x25, and three rubber washers between the bolt tabs. Use a flat washer and nylock nut and leave it loose for now. Repeat this process on the other side of the bike.

Now go back and snug up these four bolts. Do not over tighten.

### **Step 6. Finish up**

Now go back and securely tighten up the remainder of the installation bolts. Replace the front fender at this time.

Your installation is complete.

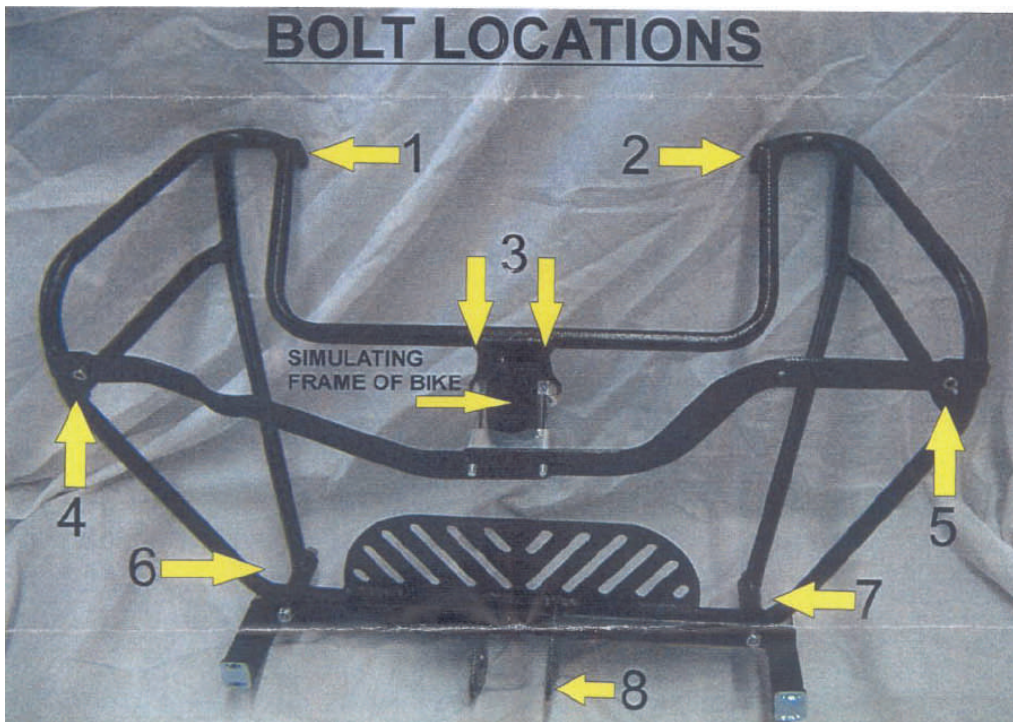
## Bolt List and Locations

Qty.	Item	Locations:
2	M6x16mm SHCS	1,2
2	M6x25mm SHCS	4,5
10	1/4 Flat Washer	1,2,3,4,5
4	5/16 Flat Washer	6,7
2	M6x100 SHCS	3
2	M8x90 SHCS	6,7
2	M8 Nylock nuts	6,7
4	M6 Nylock nuts	1,2,4,5
10	6mm rubber washers	1,2,4,5

## Hardware List

Left and right Nerf upright  
 EG-3 Highway peg  
 Left and right flat crossovers  
 Front U shaped brace  
 Tall and Short aluminum frame clamps  
 Bolt Kit  
 Instructions

Re-use factory bolts at location #8



PICTURE LOOKING FROM REAR OF BIKE



**Happy Trails Products**

Rev. 1  
 May 12, 2009  
 J4  
 HTP4-8-5B-20

KAWASAKI KLR SKID PLATE SPL290 SERIES



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**Note:**

*When installing HT guards and racks, leave all bolts loose until entire rack is fitted. This allows the rack to move and take up differences in frame construction.*

*We also recommend that removable strength thread locking compound be used on all threaded connections.*

**Tools Required:**

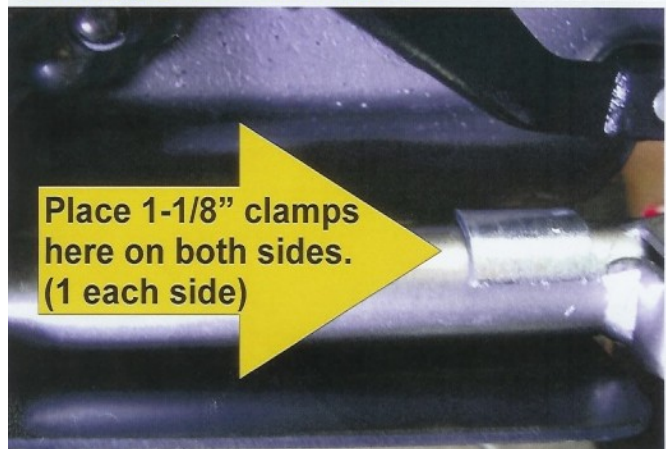
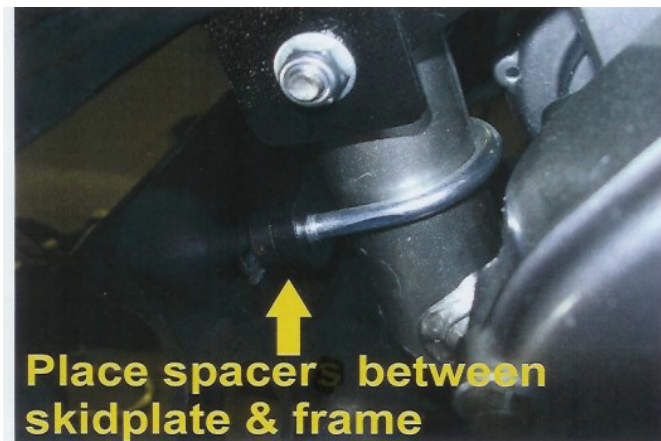
Torx 40 driver (5mm hex/socket wrench will work).

**Installation:**

Remove the factory skid plate.

Place the U bolt around the front down tube and through the holes on the skid plate. On 2008 or later bikes there is a spacer that goes between the down tube and the skid plate.

Install the 1 1/8" tube clamps on the rear of the skid plate over the frame like shown in the photo at the right.



Happy Trails Products

SPL290 Series