



# TT413: 2009 Touring Rear Fork Rusty Water Leakage

June 3, 2009



APPLIES TO	SYMPTOMS
2009 Touring Models	<ul style="list-style-type: none"><li>• Fluid or Oil Leaks</li><li>• Cosmetic Information</li></ul>

## 2009 Touring Rear Fork Rusty Water Leakage

Some 2009 Touring models exhibit drainage of rusty water from the swingarm (where the debris deflector mounts), which has raised customer concern.

### NOTE

*This is a cosmetic concern and not an indication of an internal issue.*



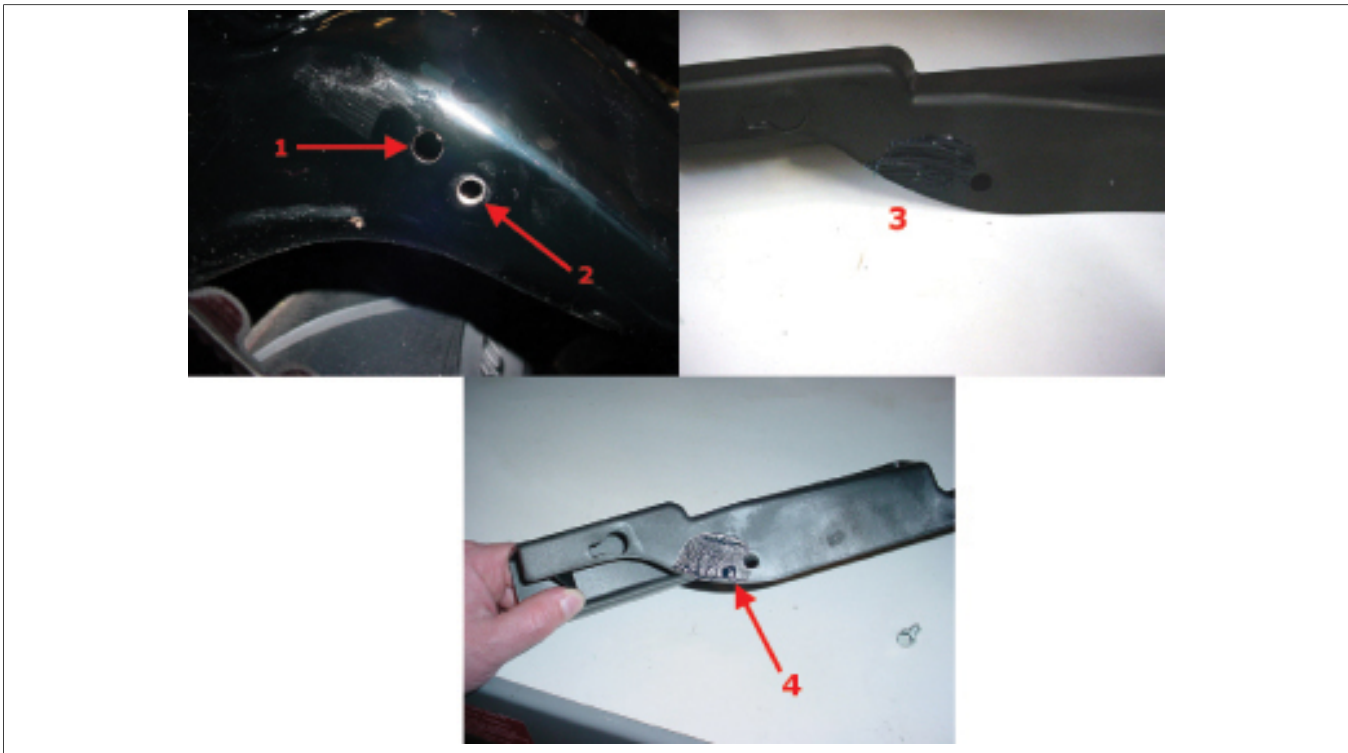
**Figure 1. Swingarm**

The potential water entry points are a forward facing drain hole (used in production) in the pivot shaft area, the two upper holes for the brake line retention clips, and the holes underneath the lower belt guard. On low mileage vehicles this may be residual after-wash from manufacturing's pre-paint procedure that did not boil out during the paint bake process, or it may be from external sources (puddles, washing, etc.) after the motorcycle was put into service. Dependant upon the amount of debris remaining inside the fork from the manufacturing process, and the fact the belt's debris deflector runs across the lower drain hole, it is possible for the water to build up and become contaminated. Add a few MPH to the equation along with the associated air flow and this stagnate water can slowly work its way out and onto the rear of the vehicle.

We have yet to hear of any parts that could not be cleaned up using normal maintenance and cleaning / polishing procedures, as outlined in the owner's manual.

However, to ensure the condition does not continue we recommend opening up a clear escape path for the water to exit by:

1. Removing the debris deflector
2. Marking the location of the swingarm's drain hole, using some grease to find the drain hole (just forward of the center mounting screw)
3. Drilling a 0.250" hole in the plastic debris deflector (not the swing arm), directly in line with the swingarm's drain hole
4. Clean the vehicle, if necessary
5. Reinstall the modified debris deflector



**Figure 2. Debris Deflector**

If this repair is made while the vehicle is within its factory warranty and the components are "OEM", please file a warranty claim with the following information. Use the swing arm as the failed part without a quantity and labor code 2616 for 0.2 hours of labor. Also, please use 6106 as the Customer Concern Code and 1116 as the Condition Code. Please reference this Tech Tip number in the comment section of the claim.