



HURRICANE XTE LOWER FRONT SUSPENSION BALL REPLACEMENT

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So you've hit a hard obstacle, in my case some I-Bar off the side of out track when I was not lined up right for some huge air, resulting in a broken shaft on a lower front suspension ball (Figure 1). This will show you how to change it. This method works the same for upper of lower.



FIGURE 1

Step 1 – Disconnect Shock and Front Bumper

Remove the lower retaining screw on shock tower and rotate out of way (Figure 2). This is only required if you have broken the lower ball or arm. Remove two screws on underside of chassis (Figure 3) and slide out front bumper.



FIGURE 2



FIGURE 3

Step 2 – Remove three retaining screws from front suspension plate (Figure 4)

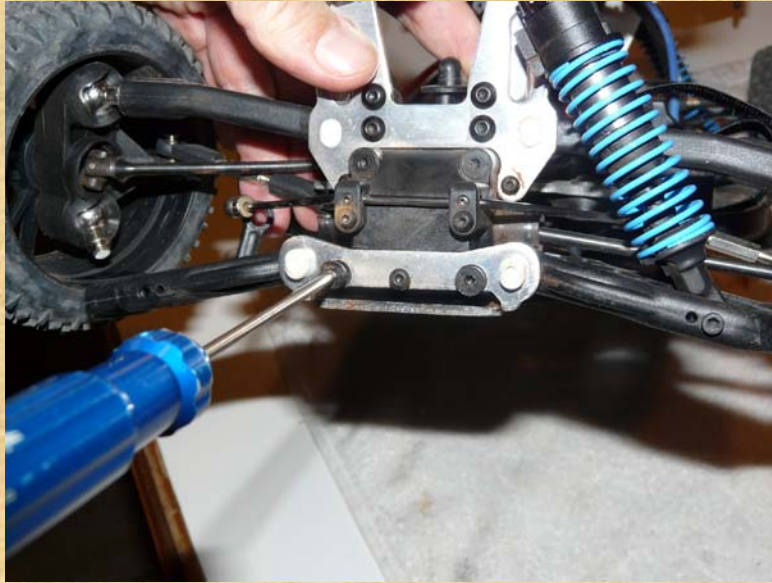


FIGURE 4

Pull plate off and slide out lower suspension pin (Figure 5). This allows the arm to be removed.

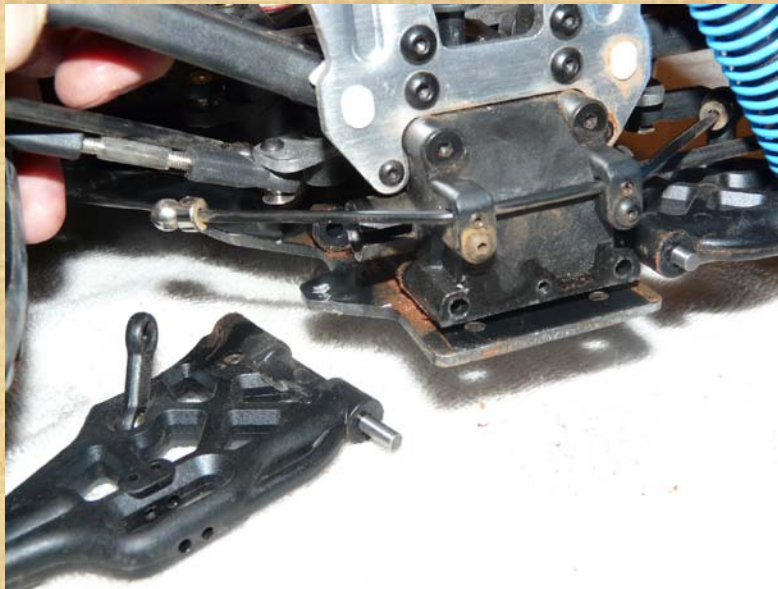


FIGURE 5

Step 3 – Swap Arm Hardware

Swap the sway bar retaining arm and the little droop screw from the old arm to the new arm (Figure 6).



FIGURE 6

Step 4 – Remove Broken Suspension Ball / Fit New Ball

Remove the wheel, then remove the suspension ball access cover with a 5mm hex key (Figure 7), and prize out carefully the plastic bushing beneath.



FIGURE 7

Now pull out the broken ball. Then inset the new ball where the old ball was, and screw the threaded shaft into the arm (Figure 8).



FIGURE 8

Now push back in the plastic bushing, and then screw in the retaining cover (Figure 9). Don't over tighten and crush the plastic bushing on the top of the ball, this will cause the steering to bind. It needs to be backed off from crushing the bushing about $\frac{1}{4}$ turn, check that the hub can move freely on the balls.



FIGURE 9

Step 5 – Reassemble Suspension Arm, Bumper and Shock

Reinstall the pin into the new suspension arm, and push it back into the rear retaining block. Replace front suspension retaining block (Figure 10).



FIGURE 10

Pretty much done now, reinstall the front bumper and screw the shock back onto the arm being careful not to over wrench the machine screw or you'll strip it.

And that is it, you're done. That is a pretty easy repair. Easy access to the suspension pins makes this much easier.

Enjoy your newly serviced Hurricane XTE.

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