VERY IMPORTANT! READ THIS!

XRAY NT18T

SUPPLEMENTARY INSTRUCTIONS SHEET

NT18T BALL DIFFERENTIAL SETTING AND BREAK-IN

Please note that the factory pre-assembled ball differential is pre-built but is NOT tightened. To enjoy long life and smooth performance of the differential, you need to break in both front and rear differentials properly. You will need to run the car several times for a short time, and each time tighten both differentials a small amount.

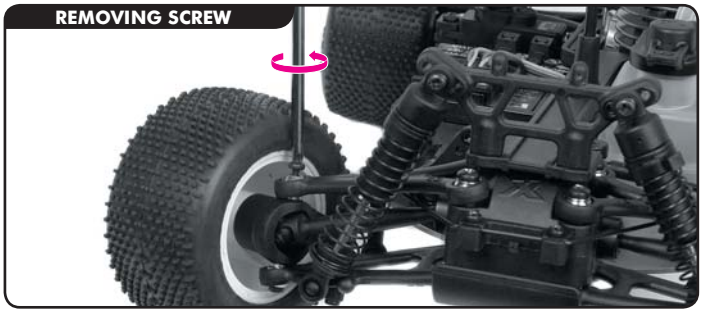
DIFFERENTIAL SETTING

To tighten the differentials, remove the front/rear upper arms as described below, and use a Phillips screwdriver to tighten the diff adjustment screw.

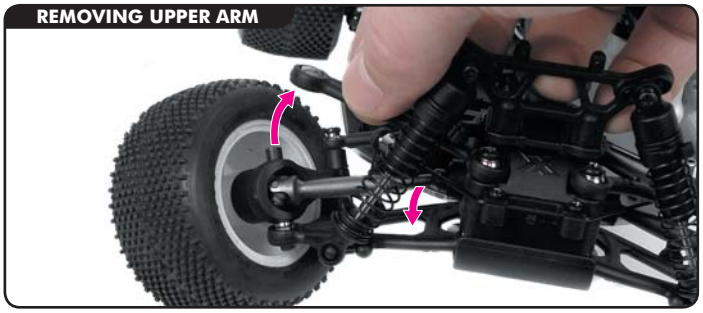
BREAK-IN PROCEDURE

1. Run the car for the first time at only ¼ throttle for 30-60 seconds.
2. Tighten both front and rear diffs slightly by 1/16 turn.
3. Run the car again for 2 minutes at ¼ throttle.
4. Tighten both front and rear diffs slightly by 1/16 turn. The differential should still turn freely.
5. Run the car again for 5 minutes, this time up to ½ throttle.
6. Again tighten both front and rear diffs by 1/16 turn.

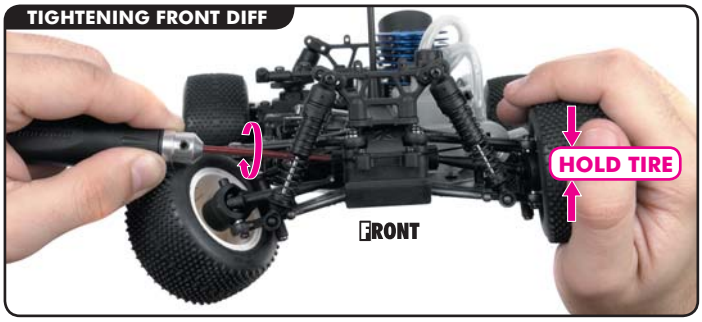
Now the differential should be tight enough. The differentials should still turn freely but it must slip with higher resistance.



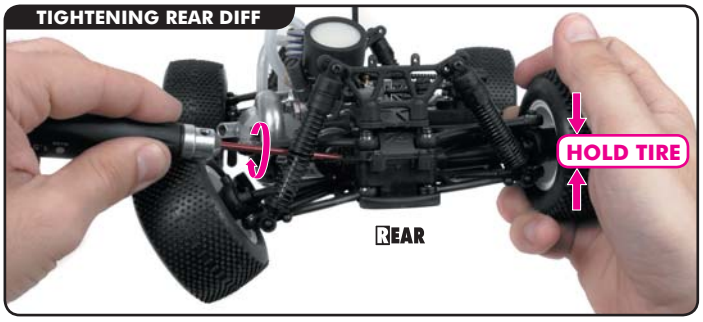
Remove the screw from the top of the front steering block or rear upright.



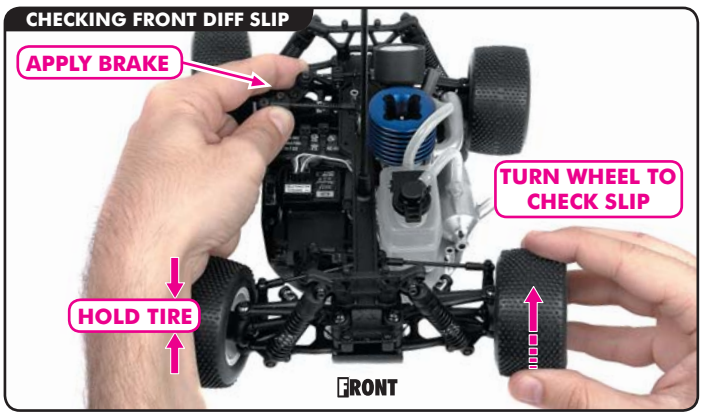
After removing the screw, lift the upper arm to allow the drive shaft to disconnect from the differential. You can now fit the screwdriver into the ball diff.



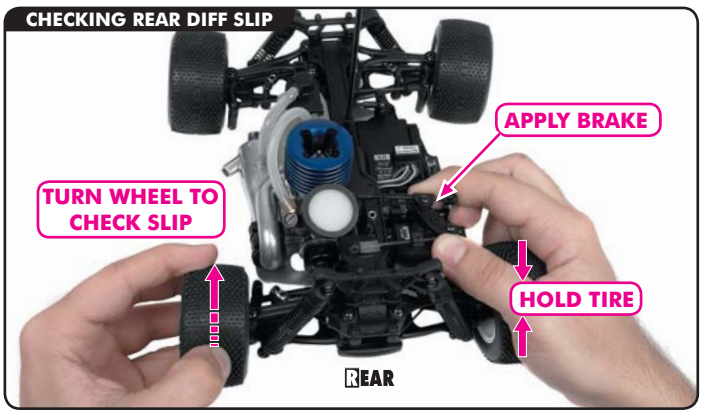
To tighten the front differential you need to remove the RIGHT front upper arm to give access into the diff for adjustment with the included Phillips screwdriver. Insert the screwdriver tip into the differential adjustment screw, hold the left front wheel firmly and then tighten (CW) the screw as required.



To tighten the rear differential you need to remove the LEFT rear upper arm to give access into the diff for adjustment with the included Phillips screwdriver. Insert the screwdriver tip into the differential adjustment screw, hold the right rear wheel firmly and then tighten (CW) the screw as required.



To check the slip of the front differential, grab the RIGHT front wheel and apply the brake. Turn the left front wheel. You should be able to turn the wheel but with resistance.



To check the slip of the rear differential, grab the RIGHT rear wheel and apply the brake. Turn the left rear wheel. You should be able to turn the wheel but with resistance.

BREAK-IN PROCEDURE QUICK TABLE			
Run	Run-time	Throttle applied	After run tighten diff by
1st	30~60sec.	¼ throttle	1/16 turn (CW)
2nd	2 min	¼ throttle	1/16 turn (CW)
3rd	3 min	½ throttle	1/16 turn (CW)