

B-FAST

R/C Performance

PURPOSE: The following procedures are detailed directions on how to install **B-Fast** differential rings differential balls and thrust set into your Associated B4/T4 or X-Factory X-60/X-6² car. The following directions assume you have prior knowledge of your radio controlled vehicle. The **B-Fast Pro Driver** kit will include new treated differential rings, new carbide differential balls and treated thrust washers & carbide balls. The remaining components discussed in the following procedure will be reused from your car. Use of this procedure and your owner's manual/parts assembly will give you a smooth and lasting diff.

NOTE: *All lubrication used in the following procedure is B-Fast Pro Diff Lube and Pro Thrust Lube available on their website or select local hobby shops.*

A. TRANSMISSION DISASSEMBLY:

1. Please refer to your specific manual for your brand car for transmission disassembly.
2. Once disassembled, cleaning of all internal transmission parts is suggested.
3. Avoid using any tool that is magnetized, all **B-Fast** components are de-magnetized **prior** to shipping.



B. THRUST ASSEMBLY:

1. Install both thrust washers onto differential screw. (Fig. B.1)
2. Apply a generous amount of thrust lube between thrust washers. (Fig. B.2)
3. Insert thrust balls between thrust in the grease. (Fig. B.3)
4. Insert assembly into right outdrive half. (Fig. B.4)
5. Install bearing into outdrive half. (Fig. B.5)



Fig. B.1



Fig. B.2

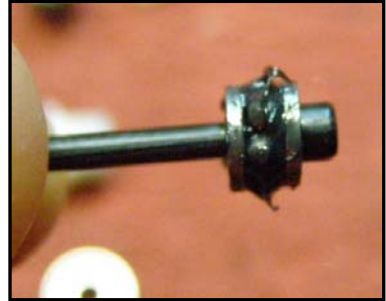


Fig. B.3



Fig. B.4



Fig. B.5

C. DIFF RINGS:

1. Apply diff lube to the outdrive half. (Fig. C.1)
2. Install diff ring onto outdrive half. (Fig. C.3)
3. Apply diff lube to the holes in the differential gear. (Fig. C.4)
4. Install bearing into diff gear.
5. Install diff gear assembly over diff screw. (Fig. C.5)



Fig. C.1



Fig. C.2

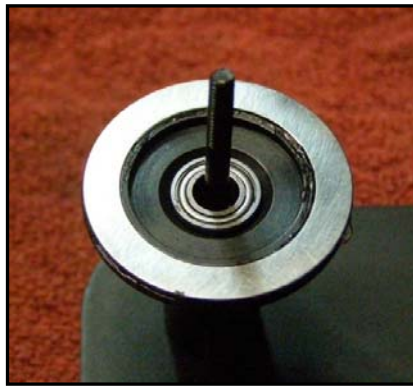


Fig. C.3



Fig. C.4



Fig. C.5

D. DIFF BALLS:

1. Insert differential balls into holes in the diff gear. (Fig. D.2)
2. Apply diff lube to remaining outdrive hub.
3. Assemble remaining diff ring to outdrive hub. (Fig. D.3)
4. Assemble the outdrive halves together.



Fig. D.1



Fig. D.2



Fig. D.3

E. FINAL ASSEMBLY:

1. Compress and release spring with pliers if using new spring.
2. Insert spring into left outdrive hub.
3. Insert diff nut. (Fig. E.1)
4. Tighten diff screw 3-4 turns using 2mm hex wrench.
5. Check diff tightness with diff building tool or 2 screw drivers. (Fig. E.2)
6. Slightly tightening diff screw until the diff only slips slightly.

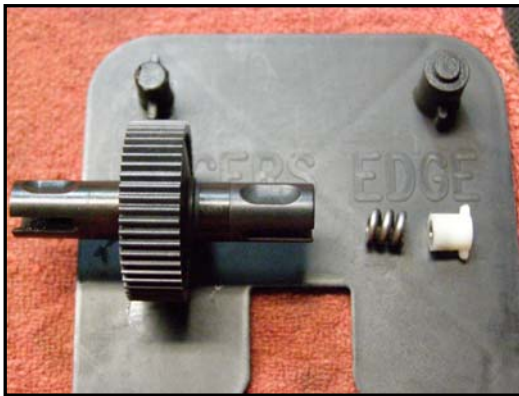


Fig. E.1

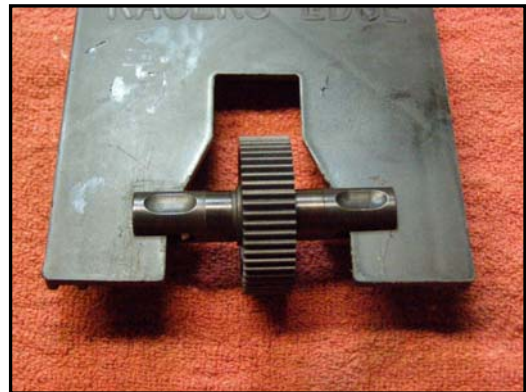


Fig. E.2

F. BREAKIN PROCEDURE:

1. Insert one end of differential into drill.
2. Hold other end of differential assembly with hand.
3. Spin differential until outdrives halves begin to get slightly warm.
4. Recheck differential tightness, tighten if slipping.



Fig. F.1



Fig. F.2