



Dynamic C-4 2.90 Rear Planetary Set

Dynamic Racing Transmissions has designed this gear set from a clean sheet of paper, combining different components and custom machined parts to produce the final product.

Built, tested, and track-proven, this is true hard core componentry, Extremely effective in helping low HP drag cars to improved 60 ft's while eliminating the need to change the final drive ratio. Superior launches are realized and the 1 to 1 3rd gear is maintained. Has also proved valuable in off road applications

Kit Contents

- | | |
|--------------------------|-----------------------------|
| 1) 4 Pinion Planetary | 1) 2.90 Sun Gear |
| 1) Planetary Hub | 2) Planetary Thrust Washers |
| 1) Planetary Hub Bearing | 1) Hub Bearing Spacer |
| 5) Friction Discs | 5) Steels |

Installation

1. Remove the stock gear set assembly from the transmission. This includes the Rear Drum, Drive Hub, Stock Planetary and Sun Shell Assembly.
2. Discard the Stock Planetary, Drive Hub and the two Thrust washers that sandwich the planetary.
3. Remove the stock sun Gear from the Sun shell by removing the circlip located around the sun gear, inside the sun shell.
4. Slide the old gear out of the the thin washer on the front of



Sun Shell, remembering to retain the shell.

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5. Thoroughly clean the Sun Shell and the thin washer. At this time you may replace your Sun Shell with one of Dynamic's Polished Lightened Sun Shell's P/N DA4DS1
6. Take the new 2.90 Sun Gear and install the small end through the sunshell so that the top clip near the large gear is resting inside the shell.



7. Now, place the stock Sun Gear Washer over the small end of the gear. Lock it in place using the supplied snap ring against the washer. Be sure it seats in the groove firmly.



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8. Place the supplied small 4 tang Thrust Washer inside of the 4 Pinion Planetary. Use Transgel or petroleum jelly to hold it in place.



9. Next, place the supplied large 4 tang Thrust Washer on the front of the 4 Pinion Planetary. Use lube to hold in place.



10. Now Place the 4 Pinion Planetary over the large gear inside the sun shell, rotating to mesh the gears.

11. Next, place the Ring Gear hub over the 4 pinion planetary, rotating to mesh the gears.

12. Install the gold step bushing onto the end of the hub so that it sits flush with the hub.

13. Place the supplied roller thrust bearing onto the gold step bushing.

Your final assembly should look like this



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14. Using the supplied clutches and discs, assemble the Forward drum.
15. Reassemble the unit into the transmission following the normal assembly procedures.

2.90 SUN GEAR



SMALL THRUST WASHER



PLANETARY GEAR



LARGE THRUST WASHER



PLANETARY HUB



HUB BEARING SPACER



THRUST BEARING



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