#2285 NTC3 2 SPEED ASSEMBLY

FIRST UNINSTALL THE PARTS IN STEPS 1-3 AND KEEP THEM (See page 11 of your manual for visual help).

- 1. Remove the two screws over the bearing cap and put all three items aside.
- 2. Remove the six screws securing the rear transmission and put all seven items aside.
- 3. Remove the input shaft assembly from the car.

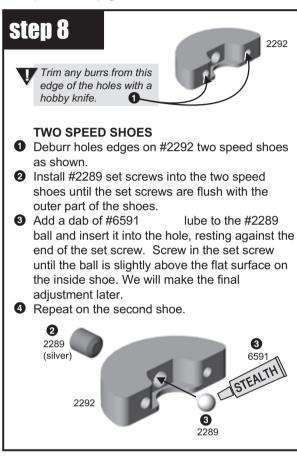
IF YOU HAVE THE NTC3 Kit 2 speed version:

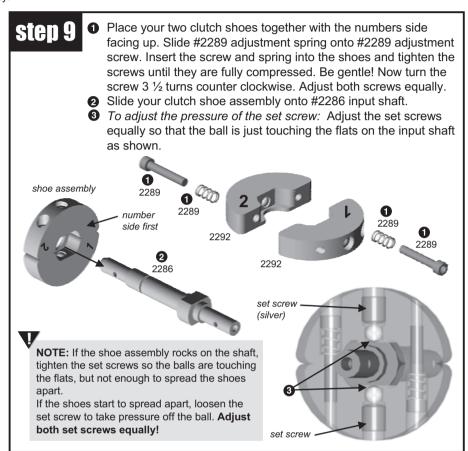
4. Follow your manual's directions on pages 8-9 for removing and installing the 2 speed. Follow pages 23-24 to install the clutch bell assembly.

IF YOU HAVE THE RTR NTC3 single speed version:

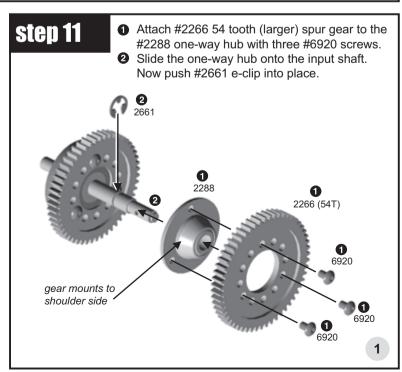
- 4. Disassemble the parts in your manual on page 8 steps 7-8 and keep them.
- 5. Disassemble the parts in your manual on page 9 step 9 and keep them.
- 6. Remove your engine from the car. See pages 24-25 for help.
- 7. Remove your clutch bell and keep the parts. See page 23 for help.

THE FOLLOWING STEPS CONTINUE FROM STEP 7 ABOVE.







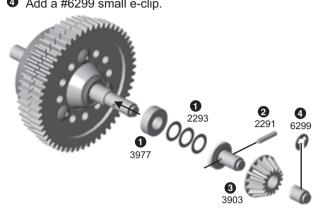


USE THESE PARTS FROM YOUR EXISTING SHAFT

step 12

Trim any burrs from this edge of the drive pinion with a hobby knife. -

- 1 Slide one #3977 bearing and three #2293 input shaft shims onto the rear input shaft.
- Install and center a #2291 dowel pin into the input shaft.
- Slide #3903 drive pinion onto the end of the input shaft.
- 4 Add a #6299 small e-clip.



USE THESE PARTS FROM YOUR EXISTING SHAFT

step 13

- Slide on one #3977 bearing onto the opposite end of the input shaft
- a Install and center a #2291 dowel pin into the input shaft.
- 3 Clean the #2281 brake disc with motor cleaner. Place #2281 brake disc onto #2270 drive cup. Slide the drive cup with brake disc onto the input shaft. Tighten it down with one #6920 screw.



step 14

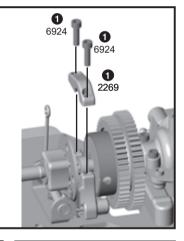
Place the input shaft assembly into the transmission case according to your manual. Follow all the steps of the following portions:

RTR manual, page 11 step 17. Kit manual: page 11 step 20.

step 15

1 Align the #2269 bearing cap over the bearing and attach with two #6924 screws. Do not overtighten.





step 16

Remove oil residue with motor cleaner 2299 (black) SHOULDER SIDE IN FIRST

CLUTCH BELL ASSEMBLY

- 1 Thread the #2299 (black) 26 tooth pinion onto the #2295 clutch bell, making sure the shoulder side of the pinions goes on first.
- 2 Thread on the second #2297 (blue) 22 tooth pinion onto the clutch bell, making sure the shoulder side of the pinions goes on first.
- 3 Slide on one #2321 clutch shim followed by #2320 non flanged clutch bearing.
- 4 Slide on the clutch bell assembly followed by #2320 flanged clutch bearing.
- 5 Slide on two #2321 SG shims onto #3934 screw and now tighten down the clutch bell. Use the two shims ONLY if you are using an SG crank shaft.

2297 (blue)

step 17

Reinstall the engine according to your manual.



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