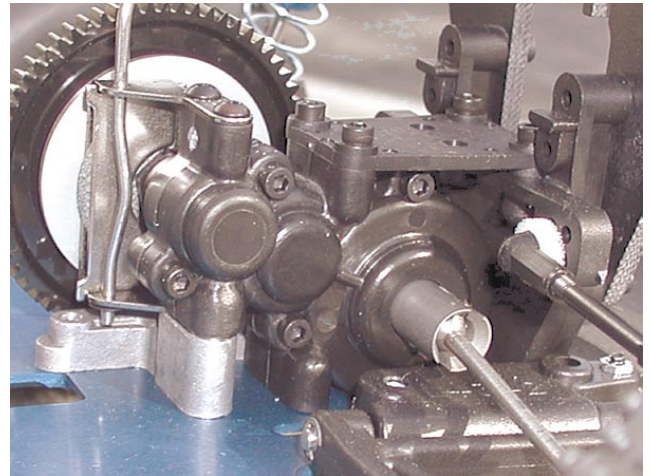


# #7671 GT STEALTH TRANSMISSION KIT

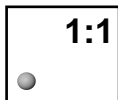
Remove the transmission from your GT, but save the parts. You'll still need to use several parts from your current kit to re-install the new GT transmission. We've indicated on pages 3-4 the parts you should keep. The part numbers which include a star next to it are to be kept.

If you need more instructions on building your kit, please see your instruction manual.

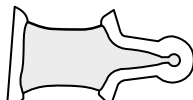


REMOVE THESE PARTS FOR: Steps 1-3

Step 1



6581, qty 12  
large diff ball



6591, qty 1  
Tranny lube



7664, qty 1  
2.60:1 diff gear



6589, qty 1  
5/32 x 5/16 ball bearing unflanged

TOOLS USED



5/64"

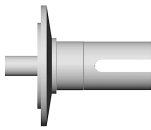
Step 2



6575, qty 1  
T-nut

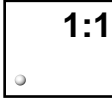


6582, qty 1  
diff spring



7668, qty 1  
left outdrive hub

Step 3



6574, qty 6  
small diff ball



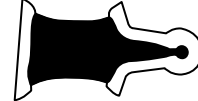
6575, qty 1  
bolt cover



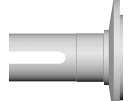
6575, qty 1  
diff bolt



6573, qty 2  
washer



6588, qty 1  
black grease

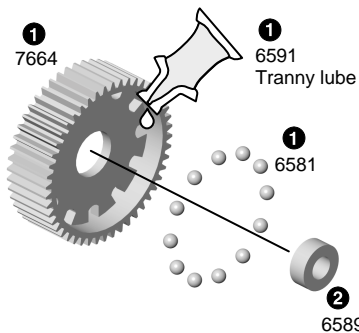


7667, qty 1  
right outdrive hub

## step 1

### SET UP DIFF GEAR

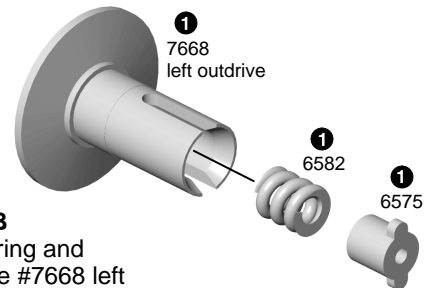
- 1 Add a generous amount of #6591 diff lube to the #7664 differential gear holes and push the twelve large #6581 diff balls into the holes. Then push back in the lube that came out.
- 2 Insert one #6589 bearing into the gear.



## step 2

### SET UP LEFT HUB

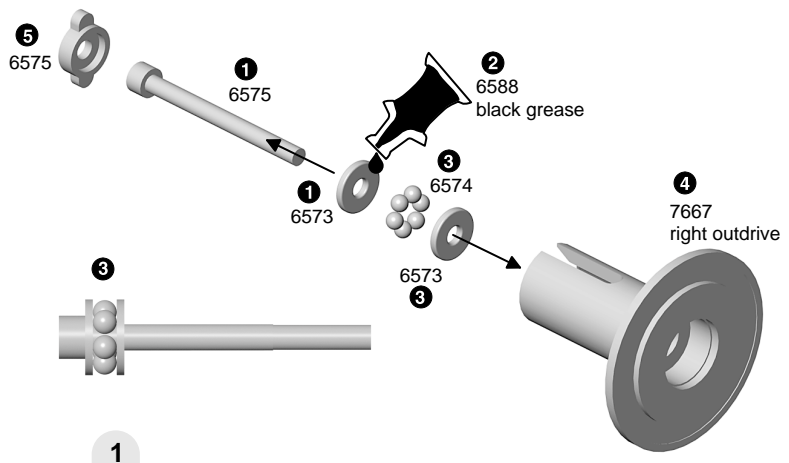
- 1 Push the #6582 spring and #6575 T-nut into the #7668 left outdrive.



## step 3

### SET UP RIGHT HUB

- 1 Slide one #6573 washer onto the #6575 bolt.
- 2 Apply a generous amount of #6588 black grease to the washer on the side facing away from the bolt head.
- 3 Place six #6574 balls into grease against the #6575 bolt and washer. Add the other #6575 washer. The grease will hold the balls in place during assembly, sandwiched between the washers. See figure for installed view.
- 4 Slide the thrust assembly into the #7667 right outdrive hub, being careful not to lose any of the balls.
- 5 Insert the #6575 bolt cover into the #7667 outdrive.

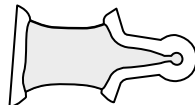


REMOVE THESE PARTS FOR: Steps 4-5

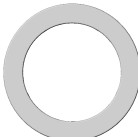
Step 4



6589, qty 1  
5/32 x 5/16 ball bearing unflanged

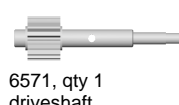


6591, qty 1  
Tranny lube



7666, qty 2  
diff drive ring

Step 5

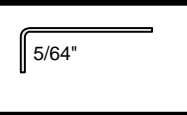


6571, qty 1  
driveshaft

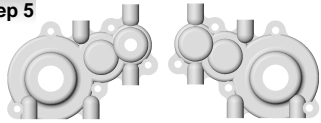


6570, qty 1  
idler gear

TOOLS USED



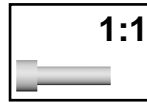
Step 5



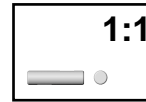
7661, qty 1  
transmission case, left & right



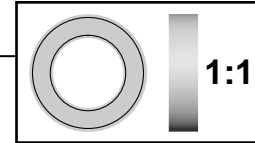
7669, qty 2  
spacer



6924, qty 5  
4-40 x 3/8 screw



7665, qty 1  
roll pin



3976, qty 2  
3/8 x 5/8 ball bearing unflanged



3977, qty 4  
3/16 x 3/8 ball bearing unflanged

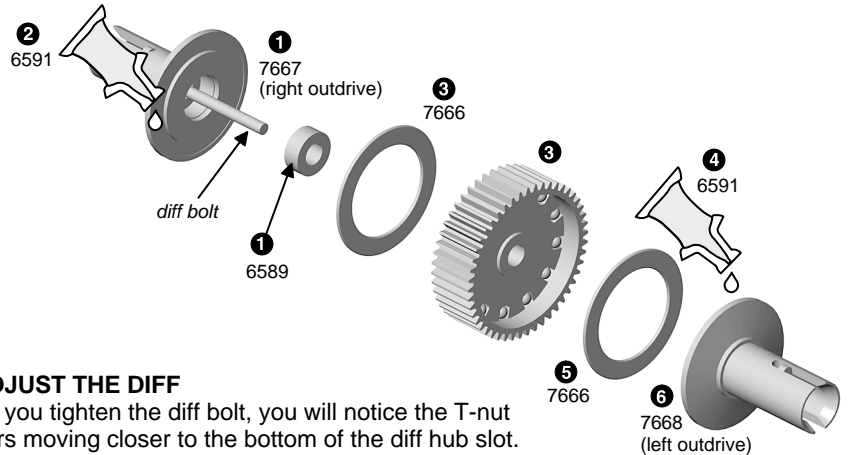
step 4

ASSEMBLE HUBS

- 1 Insert one #6589 bearing into the #7667 right outdrive.
- 2 Add a light coat of #6591 Tranny lube to the recessed area of the face.
- 3 Place a #7666 diff drive ring and then the gear assembly on the outdrive.
- 4 Add a light coat of #6591 Tranny lube to the #7668 left outdrive recessed area of the face.
- 5 Place a #7666 diff drive ring on the outdrive.
- 6 Push the #7668 left outdrive assembly against the other side of the gear.

CHECK ALIGNMENT OF HUBS

- 7 Tighten the diff bolt with your 5/64 Allen wrench, but not completely.
- 8 Rotate the diff hubs several times as you are tightening the bolt to check proper alignment of the parts. **READ STEPS 9-11 CAREFULLY.**



ADJUST THE DIFF

- 9 As you tighten the diff bolt, you will notice the T-nut ears moving closer to the bottom of the diff hub slot. This compresses the spring behind the T-nut. The spring should be fully compressed at the same time the T-nut reaches the end of the slot. **CAUTION:** Pay close attention to feeling when the spring is fully compressed. **Do not overtighten the bolt.**
- 10 When you feel the spring fully compressed, loosen the diff bolt 1/8 of a turn. No more, no less. Your diff should feel smooth when turning the hubs in opposite directions.
- 11 After you have driven the truck once, recheck the diff adjustment.

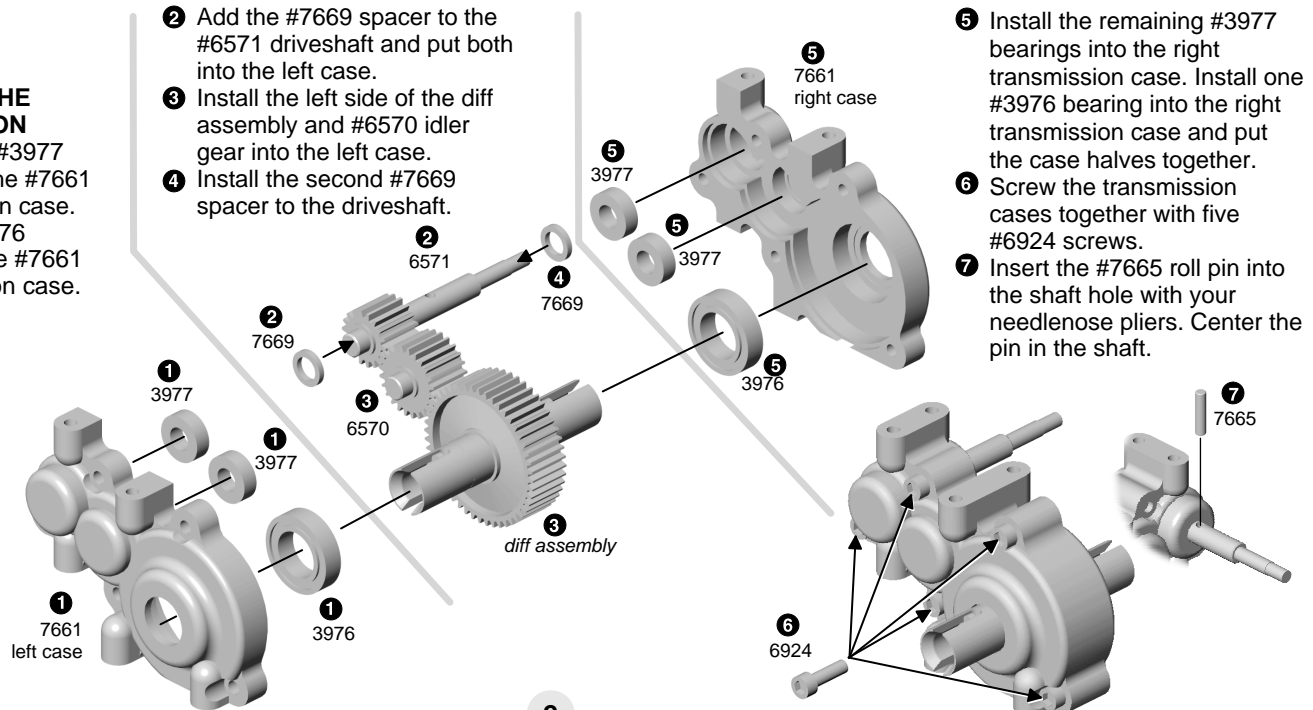
step 5

ASSEMBLE THE TRANSMISSION

- 1 Install the two #3977 bearings into the #7661 left transmission case. Install one #3976 bearing into the #7661 left transmission case.

- 2 Add the #7669 spacer to the #6571 driveshaft and put both into the left case.
- 3 Install the left side of the diff assembly and #6570 idler gear into the left case.
- 4 Install the second #7669 spacer to the driveshaft.

- 5 Install the remaining #3977 bearings into the right transmission case. Install one #3976 bearing into the right transmission case and put the case halves together.
- 6 Screw the transmission cases together with five #6924 screws.
- 7 Insert the #7665 roll pin into the shaft hole with your needlenose pliers. Center the pin in the shaft.



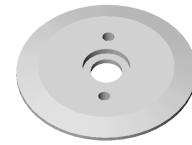
Use parts from your existing kit where a star (★) appears next to the part number.

REMOVE THESE PARTS FOR: Steps 6-9

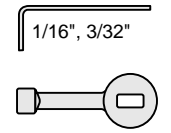
Step 6



Step 7



TOOLS USED



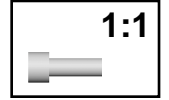
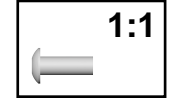
Step 7



Step 8



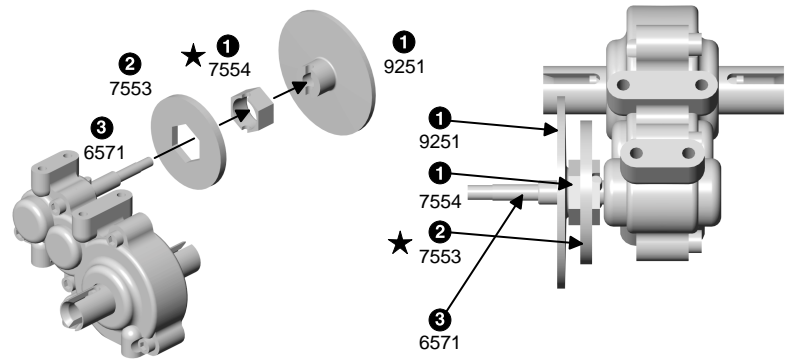
Step 9



## step 6

### ASSEMBLE BRAKE ADAPTER

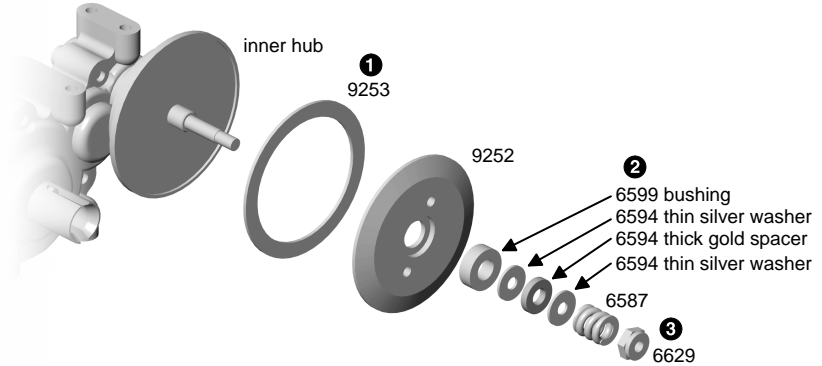
- 1 Install the #7554 brake adapter onto the #9251 inner torque clutch hub with the notches lining up.
- 2 Install the #7553 brake disc onto the #7554 brake adapter.
- 3 Slide the brake disc assembly onto the #6571 driveshaft, lining up the pin with the notches on the hub and brake adapter.



## step 7

### ASSEMBLE TORQUE CONTROL

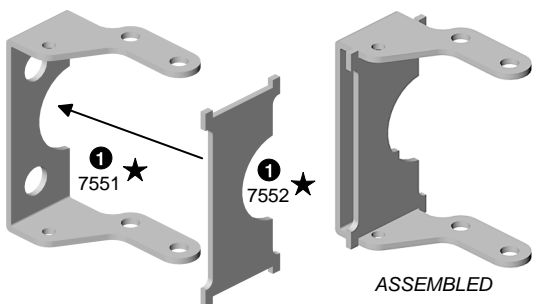
- 1 Install the #9253 clutch disc into the inner hub, then add the #9252 outer hub and #6599 bushing.
- 2 Install parts in the following order: #6594 thin silver washer, #6594 thick gold spacer, #6594 thin silver washer and #6587 black spring.
- 3 Thread on the #6629 locknut and tighten it down so the end of the shaft is flush with the end of the nut.



## step 8

### BRAKE BRACKET

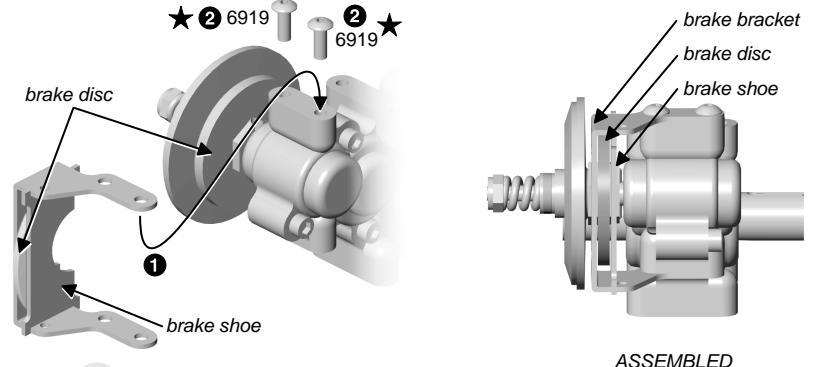
- 1 Slide the #7552 brake shoe onto the #7551 brake bracket so that the side with the rounded notch in the center is on the same side as the matching notch in the brake bracket.



## step 9

### INSTALL BRAKE BRACKET

- 1 Slide the brake bracket assembly onto the transmission. Make sure the brake disc is centered between the brake bracket and brake shoe as shown.
- 2 Secure the bracket to the transmission as shown, using two #6919 (different head type than shown in figure) screws in the top holes of the brake bracket.



Use parts from your existing kit where a star (★) appears next to the part number.

REMOVE THESE PARTS FOR: Steps 10-12

Step 10



★ 7556, qty 1  
brake cam clip

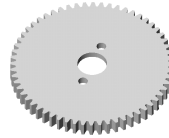


★ 7555, qty 1  
brake cam

Step 11



★ 6568, qty 2  
4-40 x 3/16 screw



★ 7663, qty 1  
spur gear  
66 tooth, 32 pitch

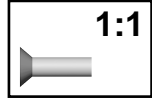
TOOLS USED

1/16"

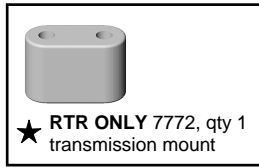
Step 12



★ 7672, qty 2  
4-40 x 7/8 screw



★ 6292, qty 4  
4-40 x 3/8 screw

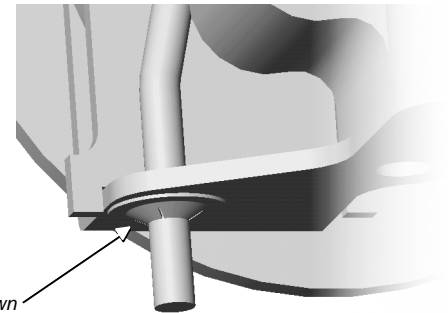
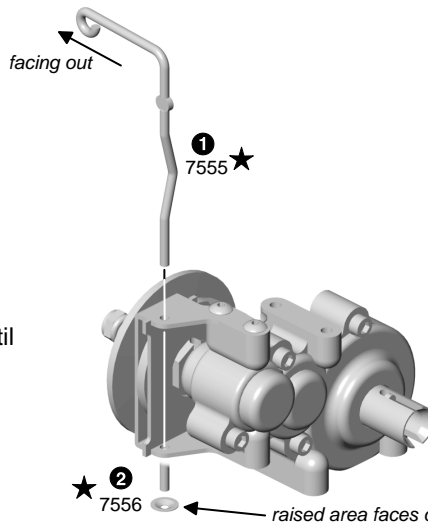


★ RTR ONLY 7772, qty 1  
transmission mount

## step 10

### INSTALL BRAKE CAM

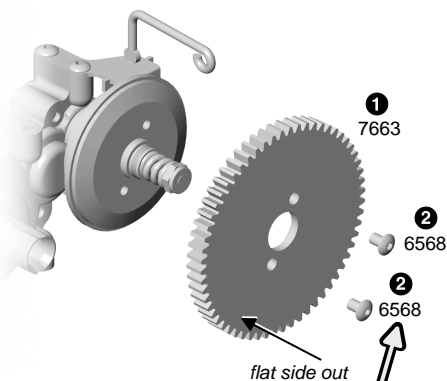
- 1 Push the #7555 disc brake cam through the hole on the top side of the bracket and then through the hole in the lower end of the bracket. Make sure the brake cam is facing out.
- 2 **WARNING:** The brake cam clips are designed to be installed and not easily removed. Take your time and do it right. Install the #7556 brake cam clip onto the cam until it almost touches the brake bracket. **Make sure the clip is put on with the raised center hole away from the bracket.**



## step 11

### INSTALL SPUR GEAR

- 1 Slide the #7663 spur gear onto the outer slipper hub, with the gear's flat side out.
- 2 Tighten down the spur gear with two #6568 screws.



#### RACERS TIP

Use #1596 Associated locking adhesive on the two #6568 screws

## step 12

### MOUNT TRANSMISSION

**TEAM/FT:** Mount your transmission with four #6292 screws through the chassis and two #7672 screws through the chassis and mount.

### MOUNT TRANSMISSION

**RTR ONLY:** Mount your transmission with four #6292 screws through the chassis and two #7672 screws through the chassis and #7772 mount.

