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# **TT/CC Drive Replacement Manual**

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## Drive Replacement Shipping Manifest

### TT Drive Replacement Kit 04002594

<u>Qty.</u>	<u>Description</u>	<u>Part Number</u>
1	TT/CC Drive Tape Replacement Manual	00645011
1	TT/CC Drive Replacement Manual	00676011
1	TT Drive Assembly	04002694
1	120 Gearbelt	04047011
4	#12 X 1-1/4" Slot Ind Hex TS	95201311
4	#12-24 x 3/4" Socket Cap Screw	95122233

### HO Drive Replacement Kit 04002595

<u>Qty.</u>	<u>Description</u>	<u>Part Number</u>
1	TT/CC Drive Tape Replacement Manual	00645011
1	TT/CC Drive Replacement Manual	00676011
1	HO Drive Assembly	04002695
1	106 HTD Gearbelt	04047013
4	#12 X 1-1/4" Slot Ind Hex TS	95201311
4	#12-24 x 3/4" Socket Cap Screw	95122233

### CC Drive Replacement Kit 04002596

<u>Qty.</u>	<u>Description</u>	<u>Part Number</u>
1	TT/CC Drive Tape Replacement Manual	00645011
1	TT/CC Drive Replacement Manual	00676011
1	CC Brake Assembly	04002191
1	CC Drive Assembly	04002696
1	106 HTD Gearbelt	04047013
4	#12 X 1-1/4" Slot Ind Hex TS	95201311
4	#12-24 x 3/4" Socket Cap Screw	95122233

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## **Installation Tool List**

5/32" Allen Wrench  
3/32" Allen Wrench  
3/16" Allen Wrench  
1/8" Allen Wrench  
5/16" Nut Driver  
Pencil

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## Replacement Procedure

(NOTE: Mount the new Drive Assembly using the same type of hardware as you removed with the old Drive.)

1. Remove the drive tape (see the drive tape replacement manual).
2. Turn the power off at the breaker/disconnect under the standoff.
3. Remove the (2) top and the (2) bottom button head screws that hold the inside control front to the inside control back with a 3/32" Allen wrench and remove the inside control front. Unplug the inside panel switch harness.
4. Loosen the (1) button head screw located on the bottom of the inside control back with a 3/32" Allen wrench. (NOTE: This is a captive screw and it will not come loose from the control back housing.) Remove the inside control back by pressing down on the housing where the captive screw is, and then slide the housing away from the tube.
5. Unplug all the wires going to the drive assembly, brake assembly, (if applicable), & mic & speaker (if applicable).
6. Remove the (4) socket cap bolts that go through the black surround with a 3/16" Allen wrench. If the drive assembly was built after 7-2005 use a 1/8" Allen wrench. If you remove aluminum washers with the bolts, make sure that they are on the bolts when you reinstall them in step 14.

### **Skip step 7 if this is not a Captive Carrier unit**

7. Remove the brake assembly.
8. Mark around the top of the motor plate with a pencil where the vertical tube is attached.
9. Remove the (4) #12 X 3/4" Slot Hex TS, or (4) #12-24 Socket Cap Screws, that hold the drive assembly to the vertical tube using a 5/16" nut driver/socket, or a 5/32 Allen wrench, and then remove the drive assembly.
10. Transfer where you marked the tube location on the old drive assembly to the new drive assembly.
11. Feed the wires back through the slot of the motor plate and hold the drive assembly up against the vertical tube. Be very careful not to pinch any of the wires between the motor plate and the vertical tube. If this happens it will cause the unit to not run properly or damage the control board.
12. Mount the drive assembly the same way as you removed the old one in step 9, *using the same type of screws*. Make sure that the tube lines up with the marks you made on the motor plate. This is to align the tube with the surround. This is critical for proper operation.

**Skip step 13 if this is not a Captive Carrier unit**

13. Slide the brake assembly back into place. You might have to turn the drive shaft to align the hex nut with the inside of the brake assembly. Be sure not to pinch any wires.
14. Screw the (4) socket cap bolts through the black surround with a 3/16" OR 1/8" Allen wrench. If there were aluminum washers with the bolts when you removed them in step 6, make sure that one is on each bolt before you reinsert them through the black surround. Use blue Loctite and put a little on the end of the (4) bolts. If you do not have a torque wrench, tighten the (4) bolts until they touch the surround half and then turn the bolts 1/8 turn more. If you have a torque wrench, tighten to 13 lbs/in.
15. Reconnect all the wires going to the drive assembly, brake assembly (if applicable), and the mic & speaker (if applicable).
16. Turn the power on at the breaker/disconnect under the standoff.
17. Make sure that the drive shaft spins freely. If it does not, loosen the (4) socket cap bolts slightly. *(NOTE: When working on Captive Carrier units, the Brake Release button will need to be pressed.)*
18. Remount the inside control back and tighten the (1) button head screw located on the bottom of the inside control back with a 3/32" Allen wrench.
19. Reconnect the control switch harness to the inside switch assembly.
20. Remount the control front and tighten the (2) top and the (2) bottom button head screws that hold the inside control front to the inside control back with a 3/32" Allen wrench.
21. Reinstall the drive tape (see drive tape replacement manual).
22. Check the unit for proper operation.

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