

0867 SERIES "99"
Torque Tube Kit Instructions

Special Notes:

- 1- Part numbers 0867 thru 0867-3 include the front and rear output shafts with white delrin female couplers. These are direct replacements for pre-existing wire drive front and rear shafts.
- 2- The longer of the two delrin couplers is designed to be used with the #0832 gold anodized heavy duty front transmission. If you are not using this unit it will be necessary to cut 7.0mm off the tip of the steel shaft before assembly.
- 3- Part numbers 0867-6 thru #0867-9 are direct replacements for pre "99" series torque tube kits. These shafts do not require replacing the delrin shaft ends.

<i>Kit #</i>	<i>Parts required:</i>
#0867	1- #0867-9 PRE- ASSEMBLED TORQUE TUBE FOR 31.5" BOOM 2- #0800-5 RUBBER "O" RINGS 1- #0800-7 REAR TRANSMISSION SHAFT 1- #0832-3 FRONT TRANSMISSION SHAFT
#0867-1	1- #0867-8 PRE ASSEMBLED TORQUE TUBE FOR 30" BOOM 2- #0800-5 RUBBER "O" RINGS 1- #0800-7 REAR TRANSMISSION SHAFT 1- #0832-3 FRONT TRANSMISSION SHAFT
#0867-2	1- #0867-7 PRE ASSEMBLED TORQUE TUBE FOR 27" BOOM (.46) 2- #0800-5 RUBBER "O" RINGS 1- #0800-7 REAR TRANSMISSION SHAFT 1- #0832-3 FRONT TRANSMISSION SHAFT
#0867-3	1- #0867-6 PRE-ASSEMBLED TORQUE TUBE FOR 25" BOOM (.30) 2- #0800-5 RUBBER "O" RINGS 1- #0800-7 REAR TRANSMISSION SHAFT 1- #0832-3 FRONT TRANSMISSION SHAFT
#0867-6	1- #0867-6 TORQUE TUBE FOR 25" BOOM (X-CELL 30) 2- #0800-5 RUBBER "O" RINGS
#0867-7	1- #0867-7 TORQUE TUBE FOR 27" BOOM (X-CELL .46) 2- #0800-5 RUBBER "O" RINGS
#0867-8	1- #0867-8 TORQUE TUBE FOR 30" BOOM (X-CELL .60) 2- #0800-5 RUBBER "O" RINGS
#0867-9	1- #0867-9 TORQUE TUBE FOR 31.5" BOOM (PRO, SE, GAS, CUSTOM, .60CT, & .60ST) 2- #0800-5 RUBBER "O" RINGS

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Assembly:

A- Slide the two #0800-5 rubber "O" rings into the grooves on the outside of the molded inner tail boom guide #0867-13 which is pre-assembled on the center of the torque tube #0867-9. Apply a light oil to the "O" ring and slide the torque tube into the tail boom, and center into position.

B- Lightly grease the delrin white end of the T/R output shaft and slide it into the tailboom from the fin end until the tail rotor drive housing enters the boom and engages the tube drive end. Press the housing halves together and orient so that the ridge of the housing enters the notch. Push it on until the transmission butts up against the tail boom. Slide the clamp #0683 up against the tailbox and align the three holes. Screw the tailbox to the clamp, using the three M2.9x9.5 Phillip screws #0032 and slow cyano. Ensure that the tailbox is fully seated then tighten the M3x10 bolt in the clamp. Reinstall the M2.2x6.5 phillips screw in the top of the fin clamp.

C- Lightly grease the delrin white end in the front transmission. Slide the tailboom into the mechanics holding the tailbox with your right hand and holding the mainshaft with your left. Spin the main shaft back and forth until the tail drive engages, then push the boom in as far as it will go. Mark the boom next to the tailboom support halves #0185 with a small piece of tape or put a small scratch on it with an x-acto knife. slide the boom back about 1.0mm. Stand behind the model, sight the tailbox to the mainshaft. Make sure that the T/R shaft is perpendicular to the main shaft. Tighten the four bolts in the tailboom support halves. Recheck alignment.

