

# Arctic Cat C-Tec Oil Tank Packing List

Billings, MT – (406) 534-3478 – [www.tkicnc.com](http://www.tkicnc.com)

\_\_\_\_ Tank

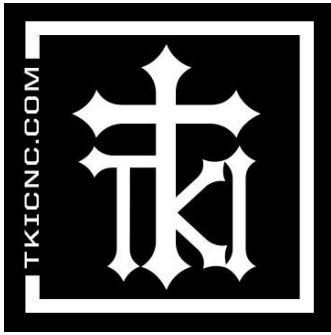
\_\_\_\_ 8 Screws \_\_\_\_\_

\_\_\_\_ Elbow

\_\_\_\_ Top Bracket

\_\_\_\_ Bottom Bracket





## Arctic Cat C-Tec Oil Tank

1. Your oil tank kit will include the tank, hardware, two brackets and an elbow. The contents of the plastic hardware, you will have 8 screws, two brackets and an elbow.
2. Begin by taking the filler neck and stock oil cap from the stock oil tank. You will also want to remove the stock oil level sensor and red grommet that comes with the factory tank. (The oil level sensor/red bushing is a two-piece assembly and will come apart even though they look like one piece.)
3. Using blue Loctite, apply a generous amount to the elbow pipe fitting threads and using a metric wrench, screw the elbow into the hole so that the fitting is facing just past 90 degrees from the logo as shown below.



4. Next ensure that the o- ring is attached to the bottom of the filler neck. Using a drop of blue Loctite in each of the six holes, align the filler neck with the 4 holes on the top of the tank. Using 4 screws (4 mm Allen wrench), start all 4 before tightening any of them down. Tighten until you feel friction against the plastic, you do not need to over-tighten.



5. Next you will take the upper bracket, this bracket is made of stainless steel and will mount to the two remaining holes located next to the filler neck. Again, you will start the two remaining screws before tightening all the way.



6. Flipping the tank over, you will now attach the lower bracket using the final two provided screws. Place a generous amount of Loctite into the two holes located to the side of the tank. The bracket should be in line with the hole for the oil tank sensor on the side as shown below. (Note: the two holes directly across from each other are for the oil pump.)



7. When installing the oil level sensor, we will begin with the red rubber grommet from the oil level sensor into the oil level sensor port on the side of the tank. Next, we will put the oil sensor level into the tank. When inserting the sensor into the tank, we want to make sure that the float drops straight down as shown below.



8. Next, we will take the assembled oil tank and install it onto the sled and connect to sensor harness. The tank is attached to the outside chain case cover and the sled chassis and does not attach to the belt drive as in previous kits.
9. We attach the upper bracket to the upper corner of the chain case as shown below using a 6 mm bolt (not provided). You will not tighten this this screw until after you have completed step 10. You can use the stock chain case screw if you choose.



10. On the bottom bracket you will be able to move the tank around until you feel it adjusted on top of the toe hold. It is not an exact location, and you can move it to where you are comfortable with the tank as we have a large footprint to work with when installing. We have found the bracket works best if the edge of it is even with the toe bracket allowing the cover to be removed without removing the tank. Mark the hole locations and drill the two-hole locations that you need as notated below. After these holes have been marked and drilled, you will then want to debur and remove the shavings.



11. Next, we will take the electronic oil pump into the tank by removing the oil pump from the stock tank (or previous TKI pump housing). Next use a generous amount of blue Loctite in the two offset holes on the bottom of the tank and insert the pump into the bottom of the tank. Ensure your screw holes line up before inserting the tank all the way. The power plug cord will come out by the lower bracket. You can now use the stock screws you took out (6mm) and tighten them so the pump doesn't fall out.

Note: If your holes don't line up, rotate the pump 180 degrees and it should line up appropriately.

12. In the final installation of the tank, you will want to run the hoses on the outside of the tank (non-belt drive side) and snug the top screw.

13. Line the bottom screw holes up and then attach the two screws with bolt and nut. We prefer a 10 mm bolt as it will line up with the other belt drive bolts used.

14. Reconnect the plugs and speed sensor. Use a hose clamp on the top elbow, refill the tank and your installation is complete.

