



## Installation Instructions

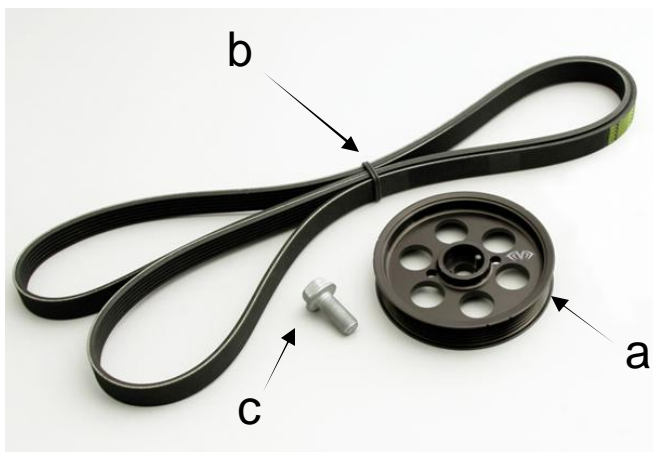
### Evolution MotorSports Lightweight Billet Crank Pulley 996TT – 997TT – 996 GT3 – 997 GT3/RS

#### **Tools Needed:**

Calibrated Torque Wrench  
3/8" Ratchet  
15 mm Socket  
22 mm Socket  
19 mm Socket  
36 mm Wrench  
Red Loctite  
Floor Jack  
Impact Gun\*  
Temperature Gun\*  
Porsche Crank Pulley Removal Tool\*  
*\*Optional Tools*

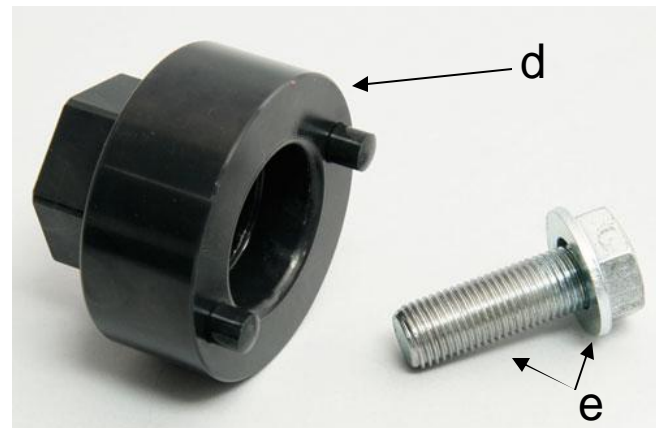
#### **EVOMS Supplied Components (Pulley Kit):**

- (a)** EVOMS Billet Aluminum Pulley (1)
- (b)** Serpentine Belt (1) (Turbo Applications Only)
- (c)** Crankshaft Pulley Bolt (1)



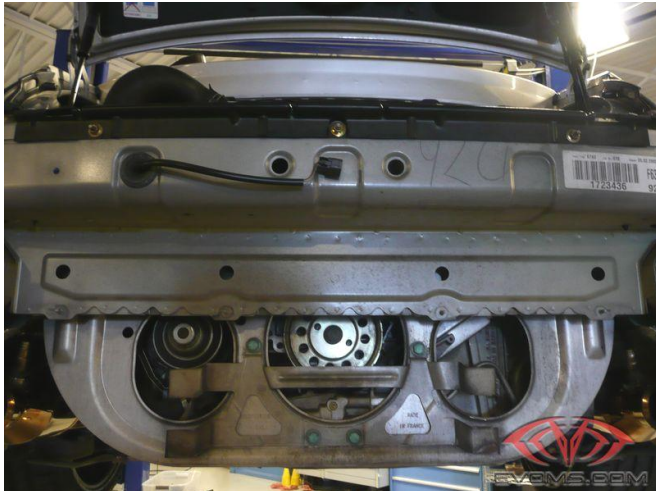
#### **EVOMS Supplied Components (Tool Kit):**

- (d)** EVOMS Billet Pulley Installation Tool (1)
- (e)** Pulley Installation "Set Bolt" w/ Washer (1)





**Step 1:** Remove rear bumper, airbox, exhaust system and OEM serpentine belt.



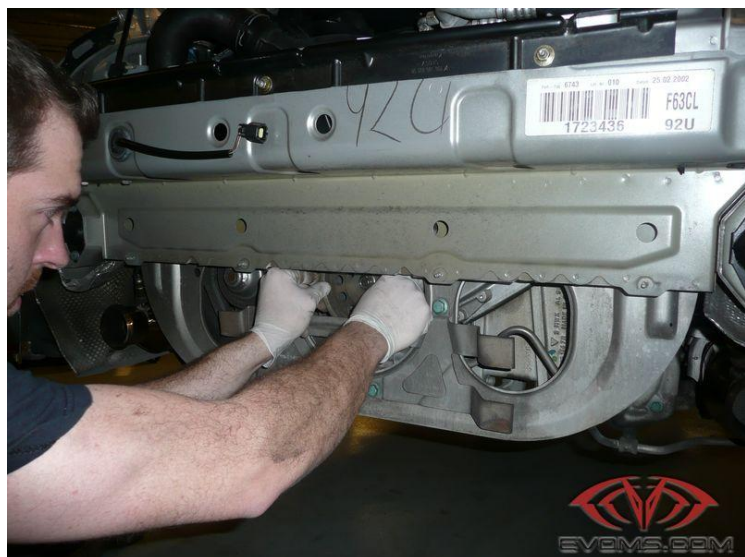
**Step 2:** Remove OEM crankshaft pulley. This can be accomplished by using the OEM crank pulley removal tool or with an impact gun. The crank bolt has a 22mm head.







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**Step 3:** Remove the OEM pulley. This may require using a pry bar to work the pulley loose. Once loose and off the snout of the crankshaft, it is ready to be removed. This will require removing the engine support / muffler support bracket. REMOVING THESE BOLTS REQUIRES SUPPORTING THE ENGINE WITH A HYDRAULIC JACK.





**Step 4:** Support the engine with a hydraulic jack before removing the engine support bolts.



**Step 5:** Once the bolts are removed, remove the muffler support bracket and crank pulley



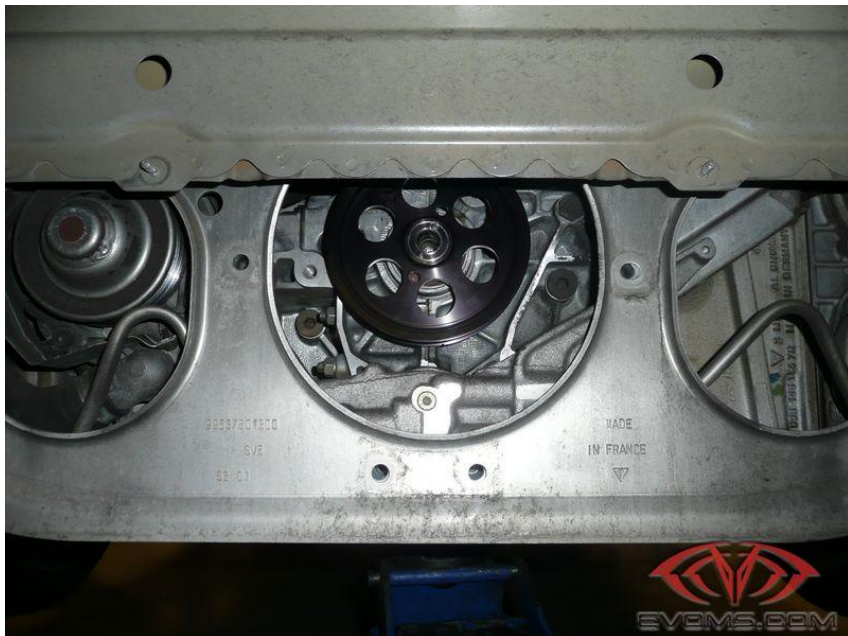
**Step 6:** Heat the EVOMS pulley in an oven, with a hot plate or propane torch. The exact temperature is not critical, however more heat will allow the aluminum to expand and install over the snout of the crank easier. **Wear hand protection to prevent getting burned.** Once hot, install onto the crankshaft – make sure to align the dowel pin on the pulley into the hole on the crankshaft







**Step 7:** Use the supplied Pulley Installation “Set Bolt” w/ Washer (e) to draw the pulley onto the crankshaft. The exact TQ specification for this step is not critical but the bolt should be snug.



**Step 8:** Once the Pulley Installation “Set Bolt” w/ Washer (e) is tight, remove this bolt. This bolt is not used for the final installation and is no longer used.



**Step 9:** Apply a small amount of RED loctite to the end of the supplied Crankshaft Pulley Bolt (c) prior to installation. Install and hand thread / tighten the Crankshaft Pulley Bolt.



**Step 10:** Use the supplied EVOMS Billet Pulley Installation Tool (d) to secure the pulley while performing the final torque to the crank bolt. Align the dowel pins on the pulley installation tool into the holes on the pulley.



**Step 11:** Using a 19mm deep socket and calibrated torque wrench, tighten the pulley bolt while securing the pulley installation tool with a 36mm wrench. You will want to tighten the pulley bolt to 140 ft./lbs. of torque.



**Step 12:** Reinstall the muffler bracket / engine cradle bolts. These bolts get torqued to 48 ft./lbs.



**Step 13:** Install the supplied Serpentine belt (turbo applications) or reinstall the OEM belt (GT3 applications). Be sure to route the belt in the same way as it was stock. See photos below.





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**Step 14:** Reinstall the exhaust and airbox. Start the vehicle and check to see that the belt rides properly on all of the pulleys. Once verified, reinstall the rear bumper.