



## CTS MK7 GTI Crank Pulley Install Instructions



Included in the kit: CTS Turbo lightweight crankshaft pulley. Replacement OEM bolt, Replacement Belt.

Have the following tools at hand:

- T25 torx
- 16mm socket
- 24mm socket
- Counter holder tool (VW# T10355)
- Long handle breaker bar
- Ratchet
- Torque wrench
- Hoist or hydraulic jack and jackstands.

**Make sure the car is cooled off before starting the install.**

**Step 1:** With the vehicle raised up on jackstands or a hoist, remove the 9x T25 torx screws holding the belly pan to the bottom of the vehicle. Pull the pan free of vehicle.



**Step 2:** Remove the passenger side wheel then remove the 6x T25 torx screws holding the passenger side lower inner fender liner to the car. Pull the liner free of vehicle.



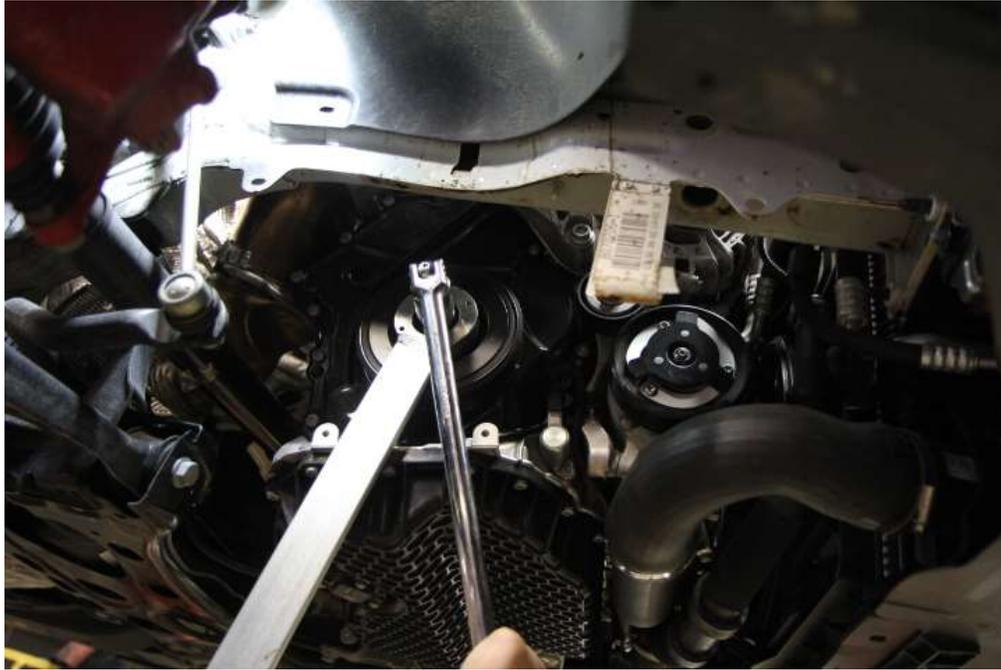
**Step 3:** Using your ratchet with the 16mm socket, turn the ratchet clockwise to release pressure on the belt tensioner. Note how the belt is routed and remove belt.



**Step 4:** Insert the counter holder tool T10355 into the 4 holes in the OEM pulley.



**Step 5:** Using your 24mm socket and breaker bar, loosen and remove the OEM crank pulley bolt. Remove pulley.



**Step 6:** Install the new lightened pulley taking care to **align the spines** on the back of the pulley in the correct position. This is critical. Install the supplied **new OEM bolt**. Utilizing your torque wrench with the counter holder tool, torque the bolt to **110 ft/lbs**. Use a marker to make a 12 o'clock mark on the bolt and a 3 o'clock mark on the pulley.



**Step 7:** Utilize your counter holder tool and long handle breaker bar with the 24mm socket to torque the bolt a ¼ turn further. With your two marks aligned, the pulley is installed.



**Step 8:** Use your 16mm socket to release pressure on the belt tensioner and install the supplied shorter belt. Ensure the belt is sitting correctly in the pulley grooves.



**Step 9:** Reverse steps 1 and 2 to reinstall the fender liner, passenger side wheel and belly pan. Start the vehicle and inspect the pulley while the engine is running to ensure it is running true.

**You Are Done!**

