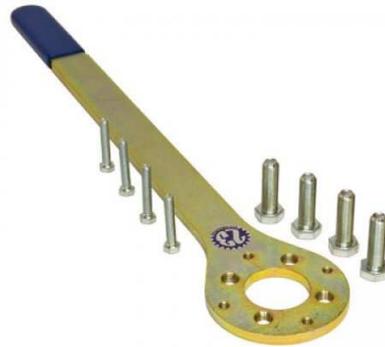


503 - Subaru Crank Pulley Tool Instructions



SPECIAL NOTES:

- The use of a factory service manual is highly recommended. These can be purchased at the dealer, or downloaded online at <http://techinfo.subaru.com>

LOOSENING INSTRUCTIONS:

Step 1) Gain Access to accessory belts by removing the air duct and belt covers.

Step 2) Remove the accessory belts by relieving the tension from the alternator and the A/C idler. On 08+ models utilizing the A/C stretch belt it is necessary to rotate the engine 1-3 times using the 22mm crank bolt while a helper pulls on the belt from the A/C pulley to feed the belt off the pulley.

Step 4) You must identify which crank pulley you have. The Company23 crank tool works with both OEM crank pulleys. If you have the pulley on the left, thread in the 4 larger bolts into the Company23 crank pulley tool. If you have the pulley on the right, thread in the 4 smaller bolts into the Company23 crank pulley tool.



Step 5) After the 4 pins have been installed into the tool, insert the tool into the crank pulley.

Step 6) Using a 1/2" drive breaker bar and a 22mm socket, loosen the crank pulley bolt while firmly holding the Company23 Crank Pulley Tool. Unthread the bolt completely.



Step 7) It is possible to remove the crank pulley by rocking the pulley back and forth while keeping outward pressure on it.

TIGHTENING INSTRUCTIONS:

Step 1) Line up keyway on crank pulley and crankshaft and slide crank pulley into position. Be certain the pulley is properly seated on the crankshaft.

Step 2) Clean the crankshaft pulley thread using an air gun.

Step 3) Apply engine oil to the crankshaft pulley bolt seat and thread. Install the bolt.

Step 4) Using the Company23 Crank Pulley Tool, tighten the bolt temporarily with tightening torque of 33 ft-lb (4.5 kgf-m, 44 N-m).

Step 5) Tighten the crankshaft pulley to 94.0 ft-lb (13 kgf-m, 127 N-m). Confirm that the tightening angle of the crankshaft pulley bolt is 45 degrees or more.