



# 79-1000X Supercharger Power Pulley Kit



**This pulley is intended for *professional installation only*. The upper portion of the supercharger must be disassembled so the supercharger snout can be removed. USER ASSUMES ALL RISKS. Installation of this pulley may affect your warranty.**

1. Disconnect the battery (negative side first).
2. Remove the engine covers from the top of the valve covers.
3. Remove the air intake tube.
4. Remove the supercharger drive belt.
5. Remove the fuel purge hose from the top of the supercharger nose.
6. Remove the brake booster vacuum supply hose. It is located under the nose of the supercharger.
7. Remove the Positive Crankcase Ventilation (PCV) hose from the supercharger nose.
8. Disconnect the throttle body wire harness connector.
9. Disconnect the bypass valve wire harness connector.
10. Disconnect the bank one Temperature and the Manifold Absolute Pressure (TMAP) sensor connector.
11. Disconnect the bank two Temperature and the Manifold Absolute Pressure (TMAP) sensor connector located on top of the supercharger.
12. Remove the five (5) long lid retaining screws located on top of the supercharger cover (follow factory procedure).
13. Remove the sixteen (16) short lid retaining screws and remove the lid from the supercharger (follow factory procedure).
14. Remove the 10 supercharger to cylinder head retaining screws (follow factory procedure).  
**Note: Make sure to keep the (3) three lid O-ring seals and the cooler retention seals with the lid.**
15. Remove the three (3) bypass throttle body adapter retaining screws and remove the adapter from the inlet nose.  
**Note: Be extremely careful with the next steps. Do not drop anything down the engine or scratch the sealing surface of the head or the supercharger.**
16. Lift the supercharger up and place something between the head and the supercharger to hold the nose up.
17. Remove the six (6) inlet nose retaining screws (follow factory procedure).
18. Remove the inlet nose from the supercharger.
19. Remove the cover of the end of the pulley by sticking a pick through and prying it off.  
**Note: Special tools are required to remove the supercharger pulley from the supercharger nose. Do not use an impact gun to remove the supercharger pulley.**
20. When the pulley has been removed from the nose clean the threads off.
21. Apply a small drop of blue Loctite and install the pulley hub to the supercharger nose. Tighten to 60 lb.ft. ±6.
22. Apply a small drop of blue Loctite to the six (6) supplied screws. Install the aFe power Supercharger Pulley using the six (6) screws and the six (6) supplied washers. Tighten to 12 lb.ft.
23. Reinstall the supercharger snout on the supercharger (follow factory procedure).
24. Remove the pieces used to hold the supercharger up while working on the nose and gently place the supercharger back onto the heads.
25. Reinstall bypass throttle body adapter and install the three (3) factory screws that retain it (follow factory procedure).
26. Make sure all the seals are in place on the body of the supercharger that seals the lid. Replace if necessary (not supplied).
27. Place the lid back onto the top of the supercharger.
28. Install all the hardware removed in Steps 15 - Step 12 (follow factory procedure when tightening all hardware).
29. Connect the bank two TMAP wiring connector.
30. Connect the bank one TMAP wiring connector.
31. Connect the bypass valve wiring connector.
32. Connect throttle body wire harness connector.
33. Install the PCV hose to the right side of the supercharger.
34. Install the brake booster vacuum supply hose.
35. Install the fuel purge hose to the top of the supercharger nose.
36. Install the supercharger drive belt (correct belt size is provided on webpage per pulley size).
37. Install the air intake tube.
38. Install the engine covers.
39. Connect battery (positive side first).

**All boost level changes require the appropriate PCM revisions and the proper supercharger belt. Please consult your tuner.**