

VMP Ultimate Pulley Tool Guide

Installation Time: 2 hours

Tools Required:

- ✓ Electric/pneumatic Impact (optional)
- ✓ ½" Ratchet
- ✓ ½" drive 1 1/8" Socket
- ✓ ½" drive 15/16" socket
- ✓ ½" drive ¾" socket
- ✓ ½" drive 9/16" Socket
- ✓ 15/16" Wrench
- ✓ ¼" breaker bar
- ✓ ½" crescent wrench
- ✓ Pry bar/cheater bar (used for leverage)

For proper operation of VMP Pulley, vehicles computer will require reprogramming.



Installation Instructions:

STOCK PULLEY REMOVAL

1. Loosen and remove the OEM Belt from your stock supercharger pulley. (DO NOT completely remove the belt from other pulleys)

To remove the belt, you will need to take your $\frac{1}{4}$ " breaker bar and plug it into the square hole at the end of the idler pulley, then press downwards on the breaker bar until the OEM belt is loose enough to pull over the stock supercharger pulley.



2. Remove black Plastic Cap at then end of the stock supercharger pulley.

To remove, you will need to spin the cap counter clockwise. You can use a flat head screw driver to turn the cap but be cautious of scratching the OEM pulley.



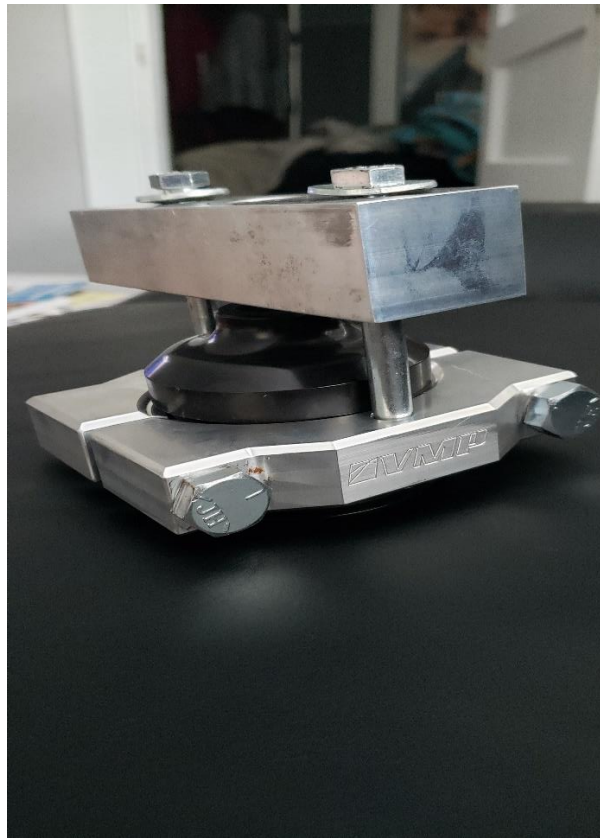
3. Attach **HD Clamp Shell** to OEM supercharger pulley (keep Clamp Shell as far forward on the pulley as possible.)

Note: Tighten both Bolts on the bracket until they are hand tight and snugged. DO NOT over tighten them.



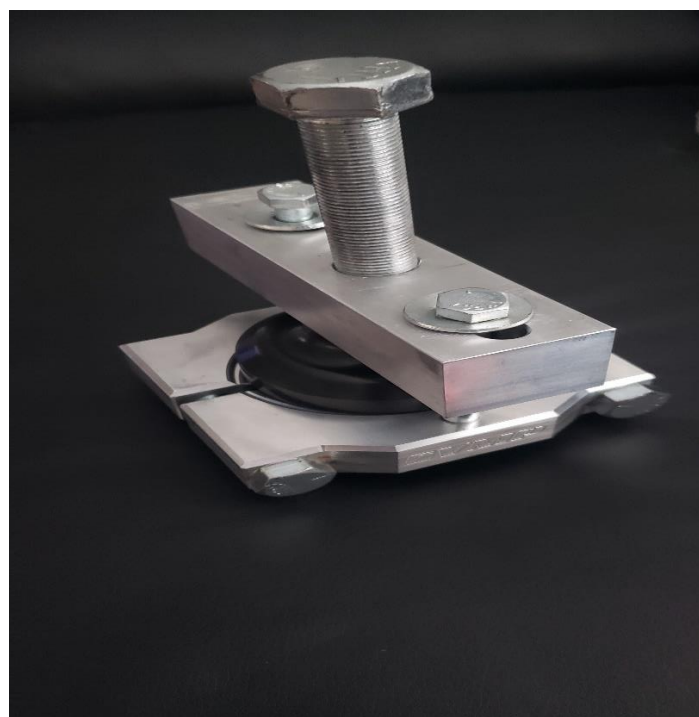
4. Attach Pulley **Removal Square** and Bolts to **HD Clamp Shell**

Note: Add round washers to Bolts to spread the load. To keep Block even during removal, hand tighten bolts down until they stop themselves and then snug bolts tight. **DO NOT** overtighten bolts.



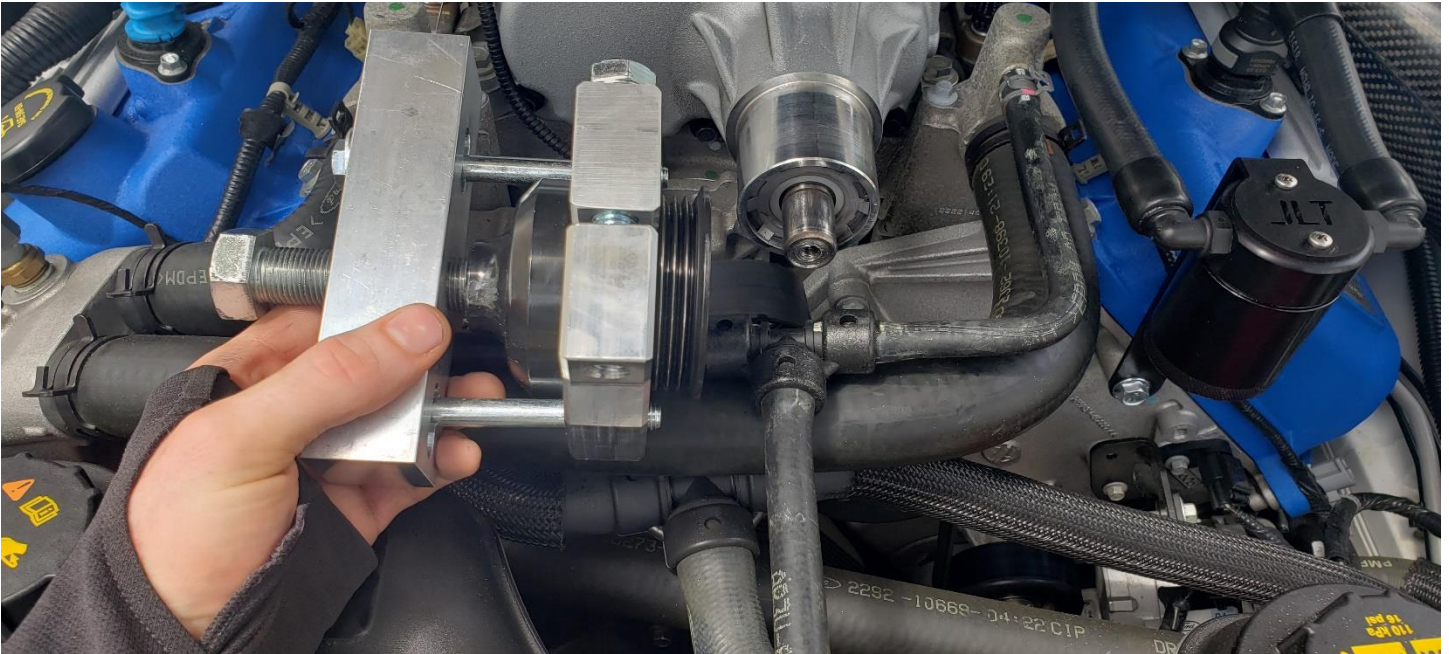
5. Screw in **Bolt with Nub** to the **Removal square** to complete assembly of the **VMP Pulley Tool**.

Tighten Bolt with Nub until bolt stops



6. Using a Impact gun or Ratchet with a 1 1/8" socket. Tighten **Bolt with Nub** until charger Stock pulley is removed.

Note: If using a Ratchet, you will need a pry bar/cheater bar as leverage to keep VMP Pulley removal tool from spinning during removal.



Installation of VMP 2.4 Pulley

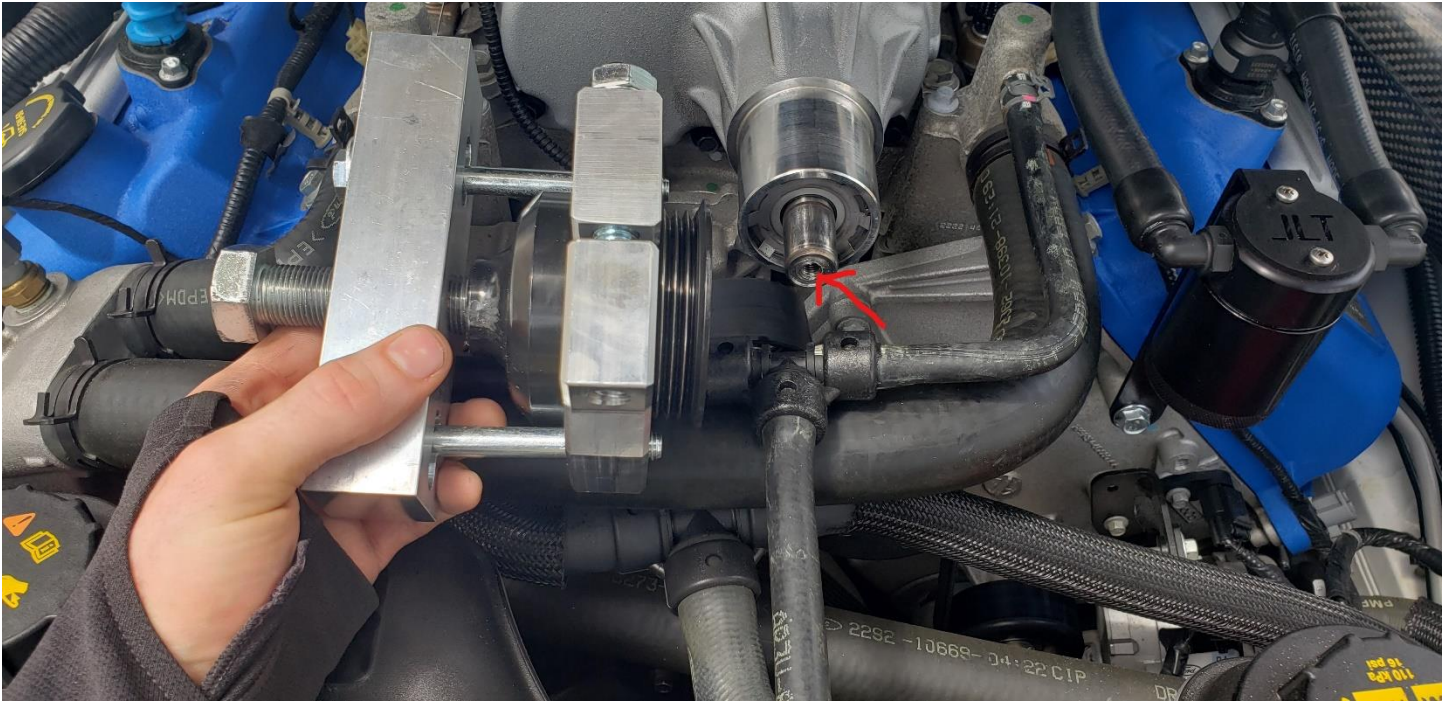
7. Assemble Pulley installation Bolt

Using the **Bolt with tapped hole**, screw the **M8 x 40 full thread screw** into the tapped hole of the bolt. Then screw on the **18 Nut**, about 3/4 of the way onto the **Bolt with tapped hole**. Then slide the **Large D-3 bearing** onto the **Bolt with tapped hole** until it sits against the **18 Nut** to complete assembly.



8. Screw in newly assembled bolt

(With the **VMP 2.4 Pulley** snug on the super charger shaft) Screw newly assemble pulley installation Bolt (**Bolt** from Step 7.) into the tapped hole of the supercharger shaft. (Where you removed the cap from Step 2) Tighten **full thread screw** into Supercharger shaft until the **Bolt** from step 7 is flush with the end of the supercharger shaft.



9. Install VMP 2.4 Pulley

With a ½" ratchet and 15/16" socket, Hold the bolt from Step 8 still. Then using a 15/16" crescent wrench, tighten the **18 Nut** against the **Large D-3 bearing** until the **Large D-3 bearing** is flush with the supercharger shaft and then the new **VMP 2.4 Pulley** should be fully seated.

Note: Plug black cap from Step 2, back in place after installation of new VMP Pulley.



OEM Idler Pulley Removal

10. Remove stock OEM idler pulley.

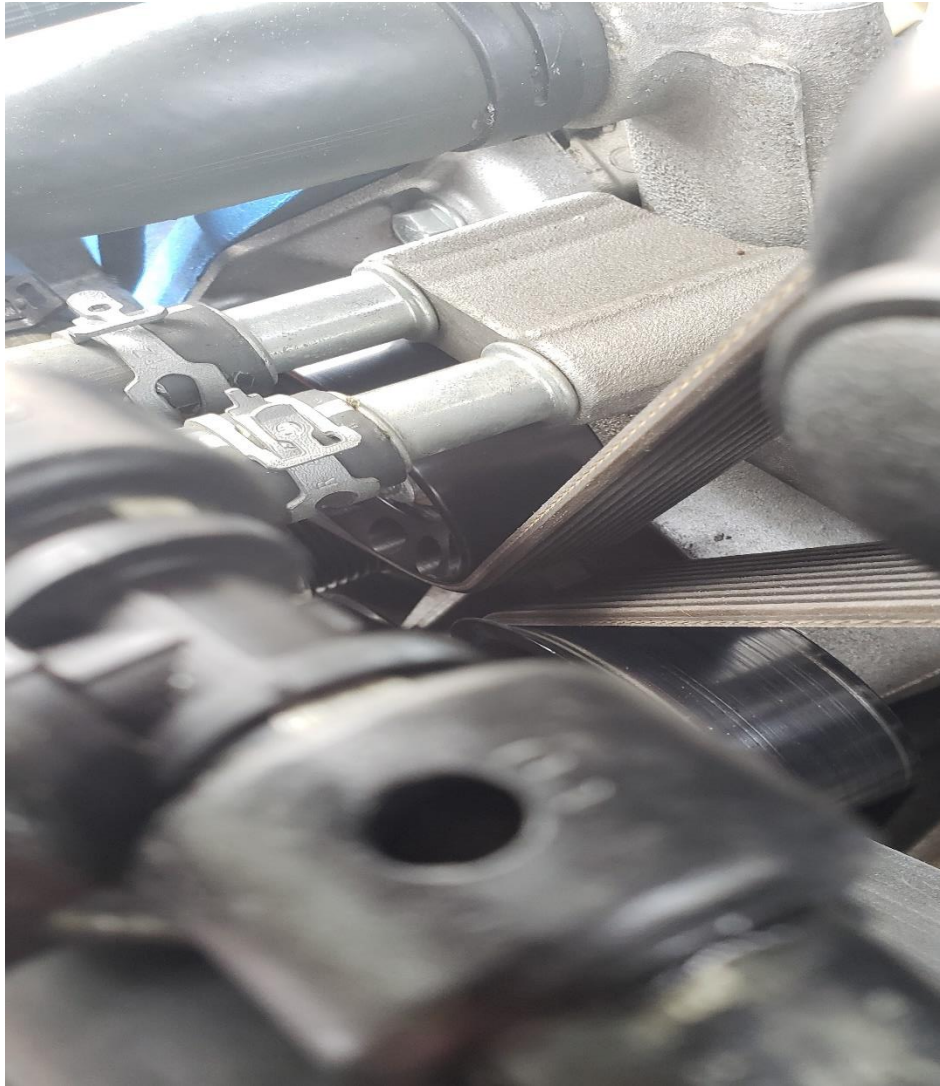
Using a ½" crescent wrench, untighten and remove stock OEM idler pulley. Save bolt for later, you will need it to install new **90mm Idler Pulley**.



Installation of 90mm Idler Pulley

11. Install new 90mm Idler Pulley

Using Bolt from Step 10, install **90mm Idler Pulley** in place of old OEM Idler Pulley.



12. Attach Belt

Using the same instructions from Step 1. Take your $\frac{1}{4}$ " breaker bar and push down on the idler pulley, giving the supercharger belt enough slack so they you can reattach the belt onto the new VMP Pulley.

Installation Instructions Written by AmericanMuscle Customer Jacob Palensky 05/07/2019