



## **Rogue Engineering E36 Power Pulley Installation Directions**

Thank you for purchasing the Rogue Engineering E36 Power Pulleys. Please seek professional help for installation if you are unsure about the procedure listed below.

### **Included Parts**

- Two (2) Rogue Engineering Power Pulleys
  - Replacement water pump pulley
  - Replacement power steering pulley
- Replacement Belt Serpentine Belt

### **Recommended Tools**

- Metric sockets and ratchet
- Small flat bladed screwdriver
- Fan clutch wrench (32mm)
- Grease

### **Installation Notes**

Installation of the Power Pulleys does not necessarily require access to the underside of the car.

Directions shown are specifically for the E36 M3 but the instructions are similar for E36 325/328s.

Begin the installation of by removing the four (4) screws and two (2) expanding rivets that secure the top cover. You will reuse all of the hardware that you remove. The arrows indicate all screw locations.



Disconnect the alternator cooling duct from the top cover.



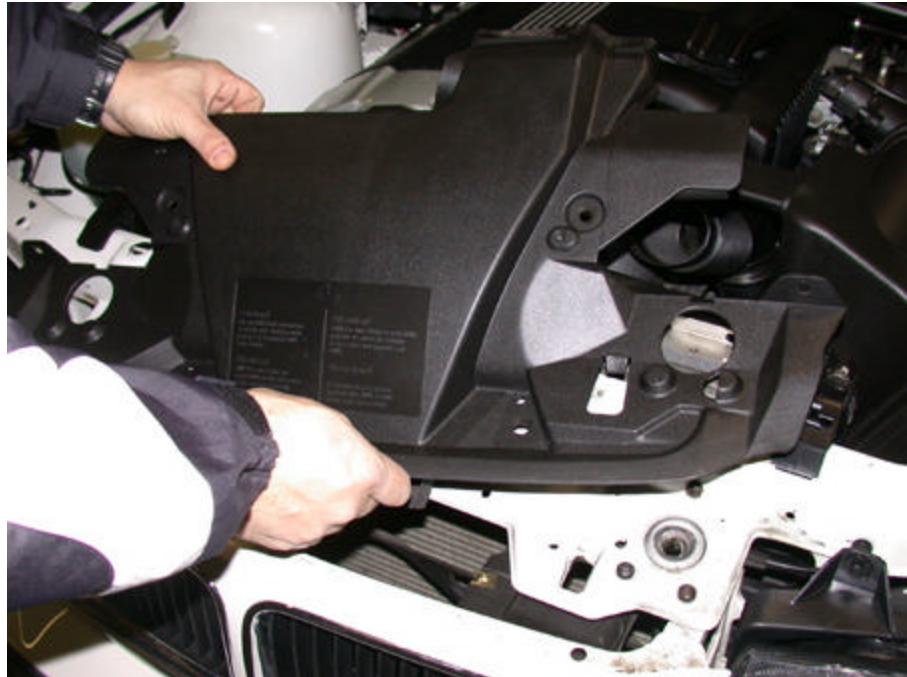
Remove alternator duct from hose to alternator.



Once the alternator cooling duct is removed, lift the rear of the top cover upwards.



Push the top cover rearward, as it will release it from the tabs on the front of the cover.

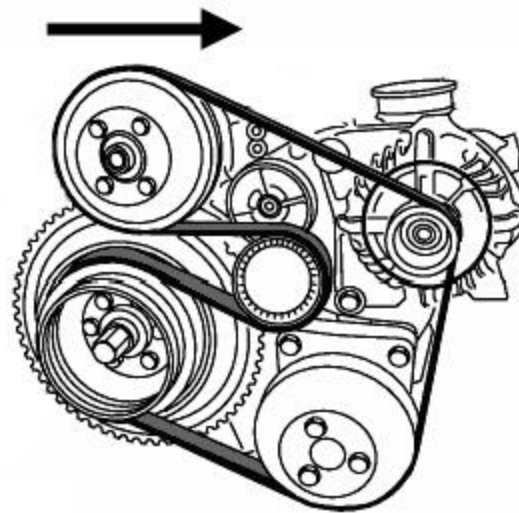


At this point, the fan clutch will have to be loosened and removed from the front of the water pump. Note that the threads on the water pump are LEFT-HAND.

***This means that you must remove the fan clutch by going RIGHT! Failure to do so will only tighten the fan clutch more!***

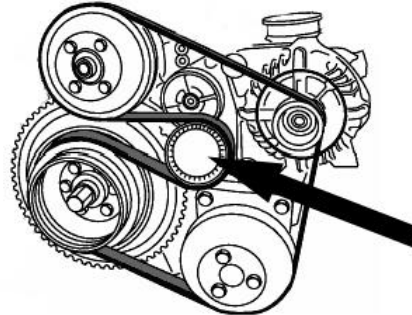
Once loosened, complete remove off of the water pump and allow it to sit in the fan shroud for reinstallation later.

**Remove Fan This Direction**



Loosen water pump bolts (10mm) and power steering bolts (13mm) while belt is still installed.

Indicated by the arrow, the tension roller holds tension on the entire pulley system.



Removing the cap from the tension roller will expose a bolt, which can be used to relieve tension on the pulleys.

Once tension is relieved, remove the drive belt from the pulleys.

You must remove the auxiliary belt in order to remove the drive belt. Relieve the tension on the auxiliary belt tension roller to do so.

Once the drive belt is removed, remove and factory pulleys from their locations. Be sure you mark the drive belt and it's original direction as it must be reinstalled in this direction should you decide to ever replace the factory pulleys.

Install Rogue Engineering Power Pulleys, using factory bolts. Using a light film of grease on the hole in the pulleys will aid in installation. Tighten to no more than 10Nm (7-8 lb. Ft).

Using supplied drive belt, reinstall drive belt onto pulley system, making sure that it is correctly routed.

Reinstall auxiliary belt.

Reinstall fan.

Before installing the top cover, start the car and let it run to make sure the belt is properly seated and does not fall off. Turn on the A/C to verify that the auxiliary belt is also functioning properly.

Once satisfied, turn off car, reinstall top cover, and test drive.