



## Turbo Trac Installation

### **Step One: Removal of Existing OEM components**

Begin by removing all existing OEM front belt systems from your engine except the harmonic balancer.

- Disconnect the positive and negative battery cables
- Remove belts and fan
- Remove A/C compressor and alternator
- Remove all mounting brackets for the A/C compressor and alternator
- Drain radiator and remove hoses
- Remove Water pump – be sure to clean engine block of all remaining gaskets
- Remove crankshaft pulley from harmonic balancer

**Note: Loctite should be used on hardware.**

### **Step Two: Installation of Crankshaft Pulley**

Attach the crankshaft pulley onto the harmonic balancer using the (3) 3/8 -24 x 1 1/2" bolts and A-N flat washers.

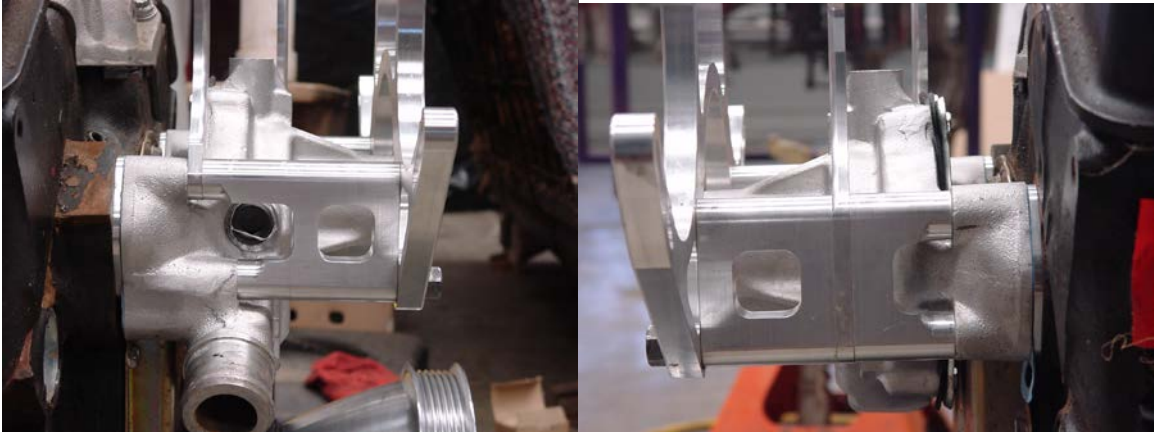
**Note: It is recommended that you use a center bolt and hat washer to secure the pulley and harmonic balancer to the crankshaft**

### **Step Three: Mounting of Main Bracket Assembly and Water Pump**

Insert the (4) 3/8-16 x 6 1/2" bolts and A-N flat washers through the main mounting bracket. Install the long spacers onto the passenger side and the medium spacer on the driver's side. Install the alternator support arm and compressor support arm onto bolts, and then install the short spacer onto the driver's side. Install the compressor support arm on the passenger's side top bolt behind the long spacer.

You can now slide this assembly onto the water pump. Install the water pump gasket then the 1/8" spacer and the other gasket and mount to the engine. Do not tighten completely; you will need to be able to move the compressor support arm to align to the compressor.

**Note: See pictures below for proper orientation of these spacers.**



#### **Step Four: Mounting of Water Pump Pulley**

Using the (4) 5/16 - 24 x 3/4" bolts and A-N flat washers, mount the water pump pulley onto the water pump.

#### **Step Five: Mounting of Alternator**

Using the (1) 3/8 -16 x 3 1/4" bolt, (2) A-N flat washers and (1) 3/8 -16 Nut, mount the alternator to the bracket system. Install the 5/16 -18 x 1 1/4 bolt, through adjuster slot using an A-N flat washer.

**Note: Charging system must be properly wired to operate with a one-wire internally regulated alternator.**

#### **Step Six: Mounting of Compressor**

Using the (2) 8mm x 25mm bolts and (2) A-N flat washers mount the compressor to the main bracket.

Install the (1) 8mm x 35mm bolt, (2) A-N flat washers and (1) 8mm Nut, through the support arm.

Install clutch cover using the (3) 1/4-20 x 3/4 bolts and A-N flat washers.

Install compressor fittings onto compressor using 8mm flat head screws, make sure o-rings are in place after removing shipping plate.

#### **Step Seven: Mounting of Power Steering**

Using the (3) 8mm x 25mm bolts and (3) A-N flat washers mount the power steering pump to the mount bracket. Make sure you pass the bolts and washers thru the back side of the mount, (there are cut outs for the washers).

Using the (2) 7/16-14 x 2"bolts and (2) A-N flat washers mount the power steering mount with the spacer to the engine block at the bottom right of the block.

Mount the pulley to the hub using (6) 1/4-20 x 1/2" bolts and (6) A-N flat washers.

### **Step Eight: Belt Installation**

Route the belt as show.



Pull adequate tension on the belts and tighten bolts.

Reinstall radiator and fan. Refill cooling system with proper mix of water and coolant.

We suggest that you go back and make sure that all bolts are properly tightened before starting engine.