



EDDIE MOTORSPORTS

S.drive

Small Block Chevrolet



INSTALLATION INSTRUCTIONS

Engine Prep:

- Disconnect battery
- Remove existing alternator, a/c compressor, and brackets.
- Remove all pulleys and brackets

- Clean front of block
- Chase the tapped holes in block with a 3/8-16 thread chaser or tap.

Install Mounting Studs:

1. Apply RTV silicone to one end of each mounting stud.
2. Install the 3/8-16 x 4 stud into the bottom passenger side. It should stick out 3 1/2".
3. Install three remaining studs, sticking out 2 1/2".



Note: Use the double nuts provided for install if needed.

Install Compressor and Alternator Brackets:

1. Install four large and two small O rings in compressor and alternator brackets.



2. Slide brackets over studs as shown



Install Power Steering Bracket:

1. Install power steering bracket using two 3/8-16 x 2" cap screws with anti-seize. Finger tighten.



Install Water Pump and Spacer Posts:

1. Slide water pump over studs.



2. Apply anti seize to the end of the studs.
3. Install the short (1.85") spacer post to bottom passenger stud



4. Install three remaining (2.69") spacer posts.



Note: Tighten all spacer posts and two cap screws at this time.

Install Main Bracket:

1. Install main bracket using four M8 x 25mm cap screws and washers with anti seize. Finger tighten.



Install Power Steering Pump with Pulley:

1. Install power steering pump using two 5/16-18 x 3” cap screws and lock washers with anti seize. Tighten firmly.



WARNING:

Do not start motor until power steering hoses, reservoir, fluid, etc are installed and system is bled. No warranty on pumps that are run dry.

Install A/C Pump:

1. Install a/c pump using two M8 x 25 mm cap screws and washers with anti seize. Finger tighten.



2. Install lower shoulder bolt and washer with anti seize.



3. Install compressor cover using blue thread locker and three 1/4-20 x 3/4 cap screws. Do not over tighten.



Install Alternator:

1. Install alternator using one M8 x 25mm and one M10 x 80mm cap screws and washers with anti seize.



- Tighten shoulder bolt and all cap screws on a/c pump and alt at this time.

Install Water Pump Pulley:

1. Install water pump pulley using four 5/16-24 x 1/2" cap screws with red thread locker.



Install Crank Pulley:

1. Install crank pulley using three 3/8-24 x 1" cap screws and Belleville washers as shown with thread locker.



Install Tensioner and Belt:

1. Install tensioner on main bracket using the 3/8-16 x 2 1/4" cap screw and washer with thread locker.



2. Using a 1/2" drive ratchet, rotate tensioner and install belt as shown.



3. Install tensioner cover using two 10-32 x 3/4" flat head screws with thread locker.



Install Compressor Manifold:

1. Remove plate on top of compressor body.
2. Install manifold as shown using two M8 x 25mm cap screws with anti seize.



WARNING:

Do not connect or power a/c clutch wire without hoses connected and system charged. Serious damage will occur.

ANY QUESTIONS PLEASE CALL:

888-813-1293

