

Installation Guide

Serpentine Front Drive System Small Block Chevy

555-504040, 555-504041,
555-504042, 555-504043

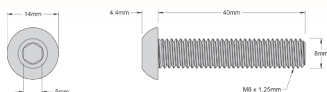


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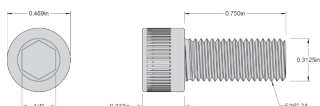
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Hardware

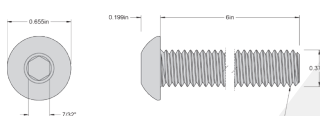
A. M8-1.25
x 40mm
(Qty.6)



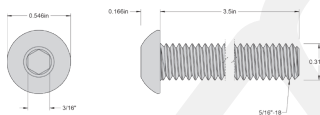
B. $\frac{5}{16}$ x 24
x $\frac{3}{4}$ in.
(Qty. 4)



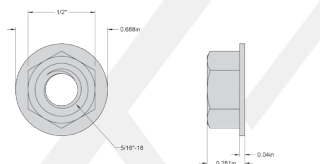
C. $\frac{3}{8}$ x 16
x 6 in.
(Qty.4)



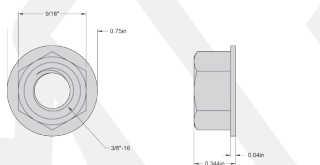
D. $\frac{5}{16}$ x 18
x 3 $\frac{1}{2}$ in.
(Qty.1)



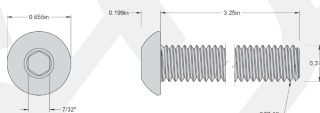
E. $\frac{5}{16}$ x 18
Flange
Nut
(Qty.1)



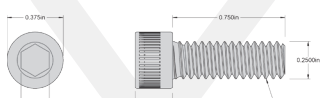
F. $\frac{3}{8}$ x 16
Flange
Nut
(Qty.1)



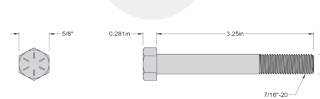
G. $\frac{3}{8}$ x 16
x 3 $\frac{1}{4}$ in.
(Qty. 1)



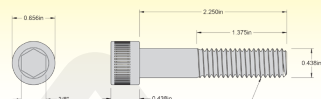
H. $\frac{1}{4}$ -20
x $\frac{3}{4}$ in.
(Qty.3)



I. $\frac{7}{16}$ -20 x
3 $\frac{1}{4}$ in.
(Qty.1)



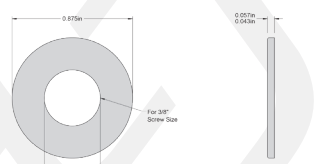
J. $\frac{3}{8}$ -24 x
2 $\frac{1}{4}$ in.
(Qty.3)



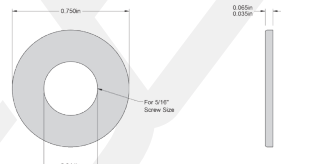
K. Spacer
(Qty.4)



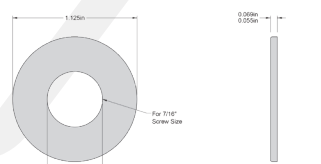
L. $\frac{3}{8}$ in.
Washer
(Qty.4)



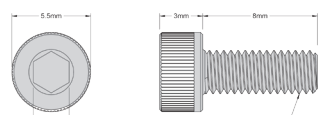
M. $\frac{5}{16}$ in.
Washer
(Qty.2)



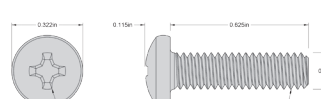
N. $\frac{7}{16}$ in.
Washer
(Qty.1)



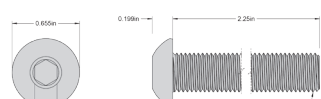
O. M3-0.5
x 8mm
(Qty.6)



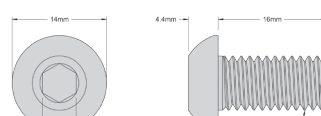
P. 8-32 x
5/8 in.
(Qty.2)



Q. $\frac{3}{8}$ -24 x
2 $\frac{1}{4}$ in.
(Qty.1)



R. M8x1.25
x 16mm
(Qty.4)



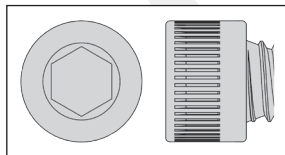
Hardware Locations

Using the hardware guide on the previous page, match the letter associated to each piece of hardware to the location on the front plate.



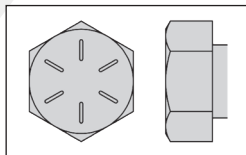
BHCS

Button Head Cap Screw



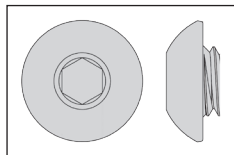
HHCS

Hex Head Cap Screw



SHCS

Socket Head Cap Screw



Read Before Use

Thank you for your purchase of this JEGS Serpentine Front Drive System. Before installation read this manual thoroughly.

Verify that all components are included before use. If any components are missing or damaged, or if you have any questions, contact Tech Support at 1.800.345.4545

Return Information: *Once any component of this serpentine front drive system has been modified, it will not be accepted for return.*

Installation

1. To install the water pump onto the engine, insert the (C) $\frac{3}{8}$ -16 x 6 in. BHCS through the bracket, (K) Spacer, Water Pump, Water Pump Gaskets, and finally to the engine. Tighten the bolts.
2. For the crank pulley, use the provided crank spacer. Place the spacer onto the damper. Install provided (I) $\frac{7}{16}$ -20 x 3.75 in. HHES crankshaft bolt with the (N) Washer. Add a small amount of clean engine oil to the thread. **Torque to 60 ft/lbs.** Use (Q) $\frac{3}{8}$ -24 x 2.25 SHCS to mount the crank pulley.
3. When installing the power steering pump pulley follow the correct pulley installation steps below depending on your style of pump. Once the pulley is installed use (3) three (A) M8-1.25x40mm button head bolts to mount to the lower right section of the plate.
 - **Press-On Pulley** - DO NOT USE A PRESS TO INSTALL PULLEY. DAMAGE TO THE PUMP MAY OCCUR. Use the correct installation tool. The pulley will stop when at the correct position.
 - **Bolt-On Pulley** - Install with the four included Allen screws. Put a dab of blue threadlocker on the start of each screw.

Installation

4. The water pump pulley will be installed with (R) M8-1.25 x 16mm SHCS. After the pulley is installed, place the cover onto the pulley, use (O) M3-0.5 x 8mm SHCS to secure the cover to the pulley.
5. To mount the tensioner to the bracket, place the tensioner onto the bottom left of the bracket with the tensioner pulley toward the crankshaft. Feed the (D) $\frac{5}{16}$ -18 x 3.50 in. BHCS with the (M) Washer through the tensioner and bracket. Secure the tensioner to the bracket with the (E) Nut.
6. Before mounting the alternator, install the new pulley with cover. To remove the existing pulley, use an impact wrench with a $\frac{15}{16}$ in. impact socket. Install the new pulley using the existing nut and washer removed with the original pulley. Once the pulley is secured in place, use (O) M3-0.5 x 8mm BHCS to secure the alternator cover. To mount the alternator, use (G) $\frac{3}{8}$ -16 x 3.25 in. BHCS with (F) Nut through the bracket in the upper mounting position. For the lower mounting position, use (A) M8-1.25 x 25 mm BHCS through the bracket.
7. Install the A/C compressor clutch cover with (H) $\frac{1}{4}$ -20 x 0.75 in. SHCS. Both mounting positions on the compressor use (A) M8-1.25 x 25 mm BHCS through the bracket.
8. Route the belt per the Belt Routing image on the following page. Use a $\frac{1}{2}$ in. drive breaker bar to move the tensioner and place the belt in the correct position. Once the tensioner is released, install the tensioner cover and secure it with (P) 8-32 x $\frac{5}{8}$ in. Phillips head screws.

NOTE

Do not install the tensioner cover until after the belt has been installed.

Belt Routing



Replacement 6-Groove Serpentine Belt: Gates K060680



If any components of this Small Block Chevy Serpentine Front Drive System are missing or damaged, or if you have any questions contact us at 1.800.345.4545

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