



Revolver

Kit # 21090

21071 main bracket

1 x 21071-Amain bracket body
 1 x S146.....5/16-18 x 1" shcs
 1 x S148.....5/16-18 x 1.25" shcs
 6 x S248.....3/8-16 x 1" shcs
 3 x S339.....3/8-16 x 3" stud
 1 x S340.....3/8-16 x 4" stud
 1 x S770.....1.900" long threaded spacer
 3 x S777.....2.820" long threaded spacer
 2 x MM100.....bolt bushing

21072 alternator rear support

1 x 21072-A.....alt rear support bracket
 1 x S280.....3/8-16 x 5.5" shcs
 1 x S450.....5/8-18 x 1.125" set screw
 1 x S622.....3/8-16 lock nut
 2 x S675.....water pump gasket
 1 x TP3-1.775... 1.775" long spacer

21073 power steering rear support

1 x 21073-A.....p/s rear support bracket
 1 x S277.....3/8-16 x 4.75" shcs
 2 x S675.....water pump gasket
 1 x TP3-.700.... .700" long spacer
 1 x TP3-2.900... 2.900" long spacer

21119 belt tensioner assm.

1 x 21119-A.....tensioner bracket
 1 x 759-A.....tensioner cover
 1 x P758-A.....spring tensioner
 2 x S022.....8-32 x .375" shcs
 1 x S163.....5/16-18 x 3.5" shcs
 1 x S616.....5/16-18 lock nut
 2 x S660.....5/16 washer

21074 power steering adapter ring

1 x 21074-A.....p/s adapter ring
 2 x S2443/8-16 x .75" shcs
 1 x S311.....3/8-16 x .75 hex head
 1 x S667.....3/8 x 5/8" washer

21079 power steering upper rear support

1 x 21079-A.....upper rear support bracket
 1 x S323.....3/8-16 x 2" hex head
 1 x S324.....3/8-16 x 2.25" hex head
 1 x S453.....5/8-18 x .850" set screw
 2 x S666.....3/8 washer
 1 x AC3-.312.....aluminium .312" spacer
 1 x AC3-.725.....aluminium .725" spacer

Pulley kit

1 x 6306-A.....crank pulley
 3 x S292.....3/8-24 x 1" shcs

1 x 6307-A.....water pump pulley
 4 x S183.....5/16-24 x .625" shcs

1 x 629-A.....power steering pulley
 1 x 360-A.....power steering pulley cover
 3 x S106.....1/4-20 x 1.25" shcs

1 x 221-A.....alternator fan
 1 x 206-A.....alternator pulley
 1 x S685.....alternator pulley lock washer
 1 x 306-A.....alternator pulley cover
 3 x S028.....8-32 x 1" shcs

Accessories

1 x P112.....aluminium reverse rotation
 water pump (1988 Corvette style)

1 x P555.....chrome GM 10si single wire
 alternator

1 x P304.....chrome Saginaw keyed power
 steering pump

shcs = socket head cap screw

Please contact our tech support with any questions at 1-888-729-9070



Step-1

Ensure the sealing face of the coolant outlets are clean, flat and free of old gasket material. Apply a small amount of RTV silicone to one end of each mounting stud to prevent coolant seepage. Install mounting studs into the four water pump mounting holes by placing the longer (S340) 3/8-16 x 4" stud in the lower passenger side hole. Then place the other three (S339) 3/8-16 x 3" studs in the remaining holes. Then fully installed the 3/8" x 4" stud should be 3 5/16" from the face of the block. The other three studs should be 2 3/8" from face of block

Step-2

Install two (S675) paper gaskets over studs to block surface. Now install (21072-A) alternator rear support over studs on passenger side. Install (21073-A) power steering rear support over studs on driver side as shown. Now install two more (S675) gaskets to the face of the rear support brackets.



Step-3

Slide the (P112) water pump over the studs and secure with three (S777) 3/4 o.d. x 2.820" long stainless threaded spacers, two to the upper water pump studs and one to the lower drivers side stud. Now install one (S770) 3/4 o.d. x 1.900" long stainless spacer on to the lower passenger side water pump stud. Leave slightly loose until main bracket is installed.

Step-4

Install (21071-A) main bracket to the threaded spacers with four (S248) 3/8-16 x 1" shcs. Once the (S248) are slightly threaded in to in to the spacers tighten the threaded spacers to the water pump. Now tighten the main bracket bolts.



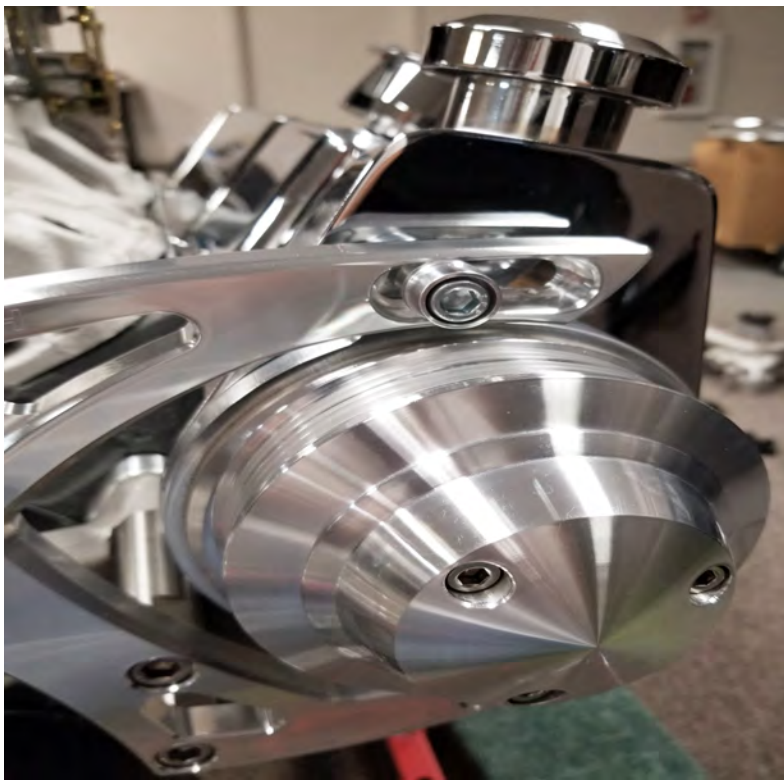
Step-5

Install (21074-A) power steering adapter bracket to (P304) power steering pump with two (S244) 3/8-16 x .75" shcs and one (S311) 3/8-16 x .75" hex head and a (S667) 3/8 x 5/8" washer under the head of bolt as shown.

Step-6

Install power steering pump and adapter bracket to main bracket. (21074-A) power steering adapter bracket to backside of main bracket and stack a (TP3-2.900") long and a (TP3-.700") long spacer in between the rear support bracket. Use a (S277) 3/8-16 x 4.75" shcs to secure.





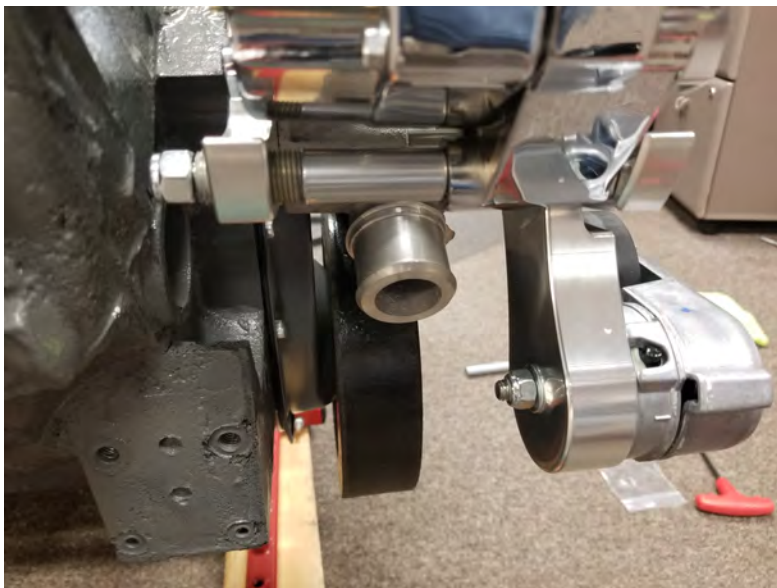
Step-7

In the upper slot of main bracket install a (MM100) bolt bushing and a (S146) 5/16-18 x 1" shcs. Now install (629-A) power steering pulley on to pump. **Make sure woodruff key does not slide up on shaft and that pulley is perfectly seated back.** Failure to do so can cause premature failure of pulley. Secure with power steering nut provided with pump. Now install power steering pulley nose cover (360-A) with three (S106) 1/4-20 x 1.25" shcs.

Step-8

Install (21119-A) tensioner bracket to backside of main bracket with two (S248) 3/8-16 x 1" shcs. The tensioner can be installed in 3 different positions to aid in belt length variation and belt routings. We suggest installing in the bottom position first. To install the belt tensioner (P758) to the tensioner bracket, use a (S163) 5/16-18 x 3.5" shcs with two (S660) 5/16 washers. One washer under the head of the bolt and one on the backside of the bracket. Now retain with a (S616) 5/16-18 lock nut. At this time install (S450) 5/8-18 x 1.125" set screw in to (21072-A) rear support bracket. Due to possible powder coat build up it may aid to thread the insert all the way down. If installing heat to the vehicle, now is a good time to install a heater hose fitting to water pump or plugging it off if no heat. Typically a 2" heater hose or a 45 degree fitting works best. We recommend Performance Stainless Steel as a source for fittings. If using a straight fitting, the heater hose may rest against bottom of alternator once installed.



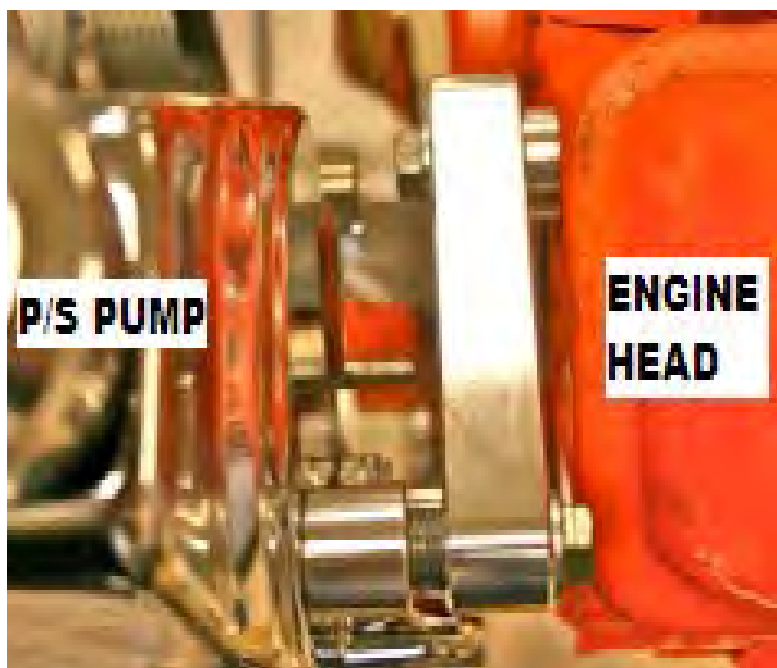


Step-9

Install (P555) alternator with a (S280) 3/8-16 x 5.5" shcs and a (TP3-1.775") long spacer in between alternator ear and (S450) set screw. Adjust (S450) to take up any gap. Secure with a (S622) 3/8-16 lock nut.

Step-10

In upper slot, install in a (MM100) and a (S148) 5/16-18 x 1.25" shcs. Now install the alternator fan (221-A) and pulley (206-A) to the alternator . Use (S685) 11/16 " lock washer and install alternator nut. We recommend an impact driver to install. Now install the alternator pulley cover (306-A) to the pulley using three (S028) 8-32 x 1" shcs.



Step-11

Install the (21079-A) rear power steering support bracket by attaching the bracket to the inner head bolt with a (S666) 3/8 washer and a (S323) 3/8 x 2" hex bolt with a (AC3-.312) alum. spacer between the head and the bracket as shown. Now insert the (S453) 5/8 x .850" set screw into the other end of the bracket. Place the (AC3-.725) alum. spacer between the p/s pump and the bracket and use the set screw to take up any gaps. Secure with a (S324) 3/8 x 2-1/4" hex bolt and a (S666) 3/8 washer as shown. Leave slightly loose until belt is installed and tension is achieved.

Step-12

Install (6307-A) water pump pulley to water pump with four (S183) 5/16-24 x .625" shcs.



Step-13

Install (6306-A) crank pulley with three (S292) 3/8-24 x 1" shcs.



Step-14

We recommend installing a 60" 6 rib belt (Dayco # 5060600). Make sure the components are inward in the slots on the main bracket to start. Use a 1/2 ratchet pulling clockwise on the tensioner to install the belt as shown. Its best to pull the belt over the water pump last. Then add the tensioner cover (759-A) using two (S022) 8-32 x .375" shcs. Now tighten upper p/s rear support bracket bolts.

