

Style
TRACK



Kit 30485

Revolver



Kit 30465



Kit 30490



Kit 30470

Install Instructions

Parts list

Main bracket 30491 (Style Track) or 30461 (Revolver)

1-30491-A or 30461-A main bracket
2-TP3-1.100.....tube spacer 1.100"
2-MM100.....bolt sleeve
7-S144.....5/16-18 x 7/8" shcs
1-S148.....5/16-18 x 1 1/4" shcs
2-S155.....5/16-18 x 2" shcs
1-S156.....5/16-18 x 2 1/4" shcs
2-S174.....5/16-18 x 5 1/2" shcs
4-S209.....5/16-18 x 3 1/2" stud
1-S551.....8mm x 1.25 x 25mm shcs
2-S553.....8mm x 1.25 x 35mm shcs
2-S616.....5/16" lock nut
7-S660.....5/16" washer
4-S769.....5/16 threaded stainless spacer

Alternator rear support bracket 30049-09

1-30049A-09.....support bracket body (assembled)
1-30412-A.....support bracket tube (assembled)
1-S244.....3/8-16 x 3/4" shcs (assembled)
1-S248.....3/8-16 x 1" shcs
1-S277.....3/8-16 x 4 3/4" shcs
1-S344.....7/16-14 x 1" shcs
1-S450.....5/8-18 x 1 1/8" threaded insert
1-S667.....3/8 x 5/8" o.d. washer

A/C compressor rear support bracket 30413-09

1-30413A-09.....a/c support bracket
1-S213.....5/16-18 x 1 1/2" hex head bolt
1-S312.....3/8-16 x 1" hex head bolt
1-S385.....7/16-14 x 1" hex head bolt
1-S660.....5/16" washer
1-S666.....3/8 x 3/4" o.d. washer
1-S672.....7/16" washer

Timing pointer bracket 30493-08

1-30004A-08.....timing pointer bracket
2-TP3-.650.....tube spacer .650"
2-S162.....5/16-18 x 3" shcs

Power steering bracket 30492 (kits 30470 & 30490)

1-30492-A.....power steering bracket
2-S551.....8mm x 1.25 x 25mm shcs

Tensioner & bracket assembly 30415

1-30415-A.....tensioner bracket
1-P758-04.....pulley tensioner
1-759-A.....tensioner cover
2-S022.....8-32 x 3/8" shcs
1-S163.....5/16-18 x 3 1/4" shcs
2-S244.....3/8-16 x 3/4" shcs
1-S616.....5/16" lock nut
2-S660.....5/16" washer

Pulley kit 30485-206

1-2281-A.....crank pulley
4-S248.....3/8-16 x 1" shcs
1-2282-A.....water pump pulley
1-322-A.....water pump pulley cover
4-S186.....5/16-24 x 7/8" shcs
1-206-A.....alternator pulley
1-S685.....alternator pulley lock washer
1-306-A.....alternator pulley cover
3-S028.....8-32 x 1" shcs
1-221-A.....alternator fan
1-394-A.....a/c compressor clutch cover
3-S124.....1/4-20 x 3/4" button head bolt
3-S520.....6mm x 1.0 x 20mm button head

Power steering pulley 650 (kits 30470 & 30490)

1-650-A.....power steering pulley
3-S144.....5/16-18 x 7/8" shcs

A/C compressor manifold 417

1-417-A.....a/c manifold
2-S550.....8mm x 1.25 x 20mm shcs

Accessories

1-P412.....chrome 7176 compressor
1-P500.....timing cover & water pump
1-P572.....chrome 140amp alternator
1-P314.....remote reservoir p/s pump
(kit 30470 & 30490 only)

Note : These kits require the use of a 90 degree thermostat housing, electric fuel pump, electric cooling fans and a oil pan mounted dip stick tube.

Optional parts for kits



Part # 480 type II
power steering pump
billet housing cover



We carry a selection of
power steering remote
reservoirs to complete
your type II power
steering installation.



Part # 418 a/c
manifold wrap
around fittings



Stainless braided hose
packages for plumbing
your power steering
system



Part # P545
320amp chrome
alternator



Part # P306 power
steering psi regulator
kit. Typically required
for most rack & pinion
systems



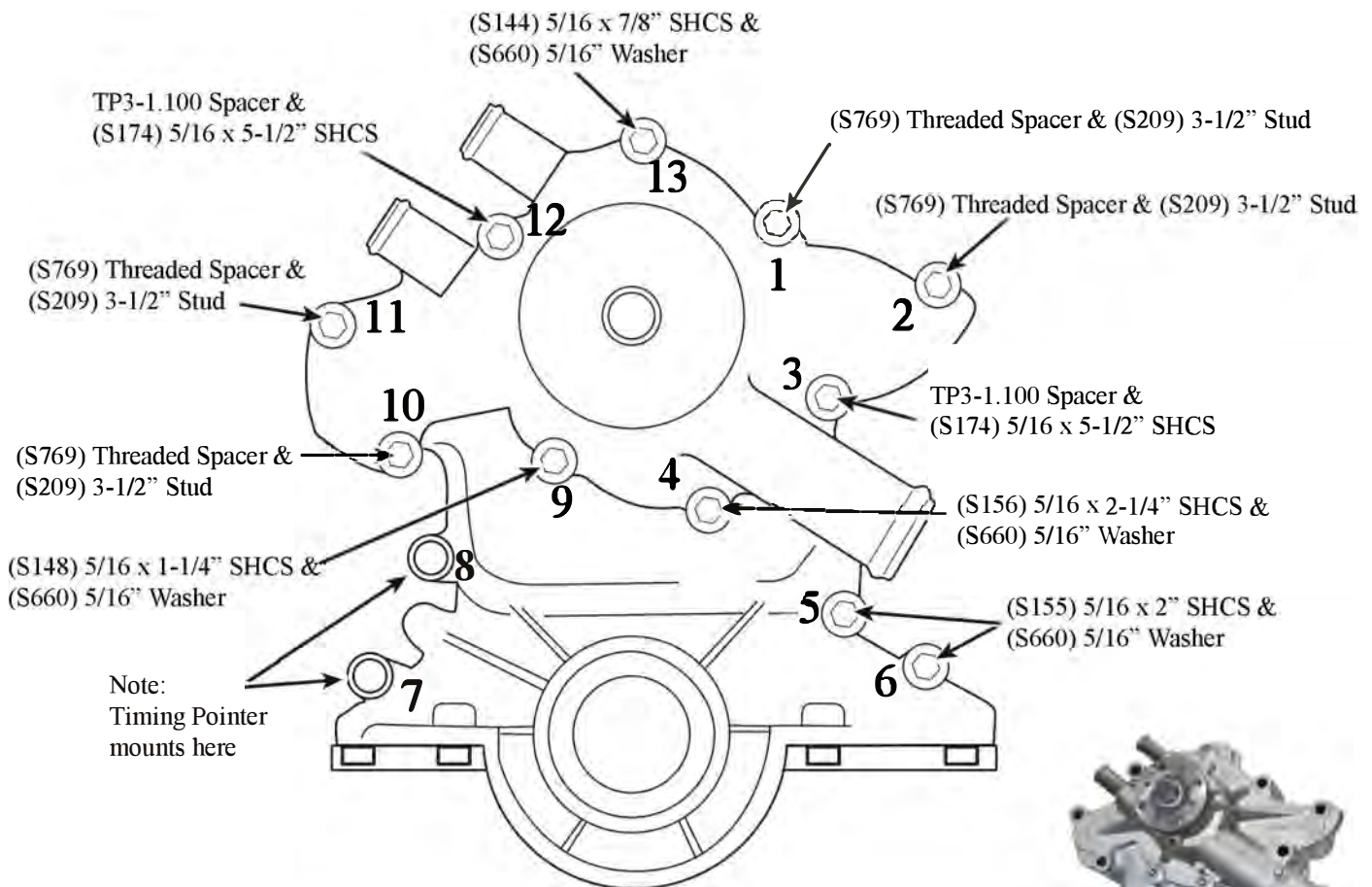
We are specialists in matching
aftermarket air conditioning
systems such as Vintage Air, Old
Air Products and Nostalic Air with
our drive systems. Please contact us
for help in selecting a matching kit
for your application. 888-729-9070

Preparing to install

- Disconnect the battery
- Drain coolant from system
- If your A/C is intact and charged it must be evacuated.
- Remove the existing alternator, air conditioning compressor, power steering pump, pulleys and brackets.
- Remove the water pump, balancer and timing cover.
- Remove old gasket and sealer with gasket scraper.
- Clean threads in block by chasing with appropriate thread chasers.

Any install questions please contact our tech line at 888-729-9070

Water pump and timing cover fastener location drawing (FLD)



shcs = socket head cap screw or Allen head screws

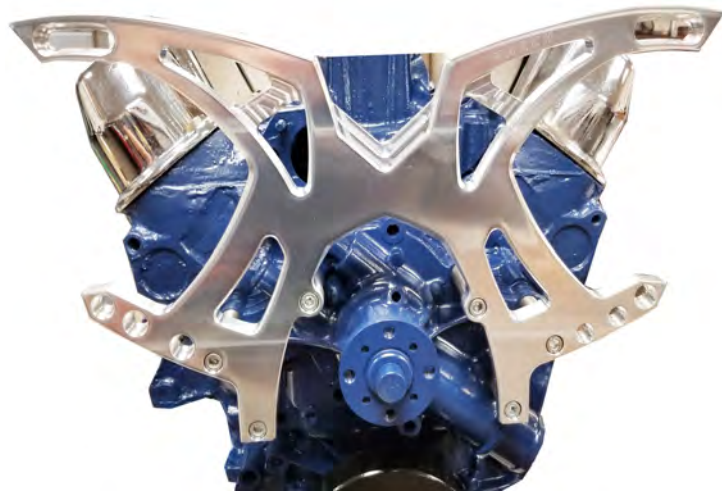


Step-1

First install the (4) (S209) 5/16-18 x 3-1/2" studs in to locations 1, 2, 10 & 11 threading them in about a 1/2" into the block. **Note: If your motor was equipped with a mechanical fuel pump, The new timing cover will require the fuel pump eccentric to be removed from cam for clearance.** Install timing cover gasket and timing cover.

Step-2

Slide the water pump gasket and water pump over the four threaded studs. Install two of (S155) 5/16-18 x 2" shcs with two (S660) 5/16 washers to retain timing cover in locations 5 & 6 of FLD. Install (S144) 5/16-18 x 7/8" shcs and a (S660) 5/16" washer in location 13 of FLD. Install a (S156) 5/16-18 x 2 1/4" shcs and a (S660) 5/16" washer in location 4 of FLD. Install (S148) 5/16-18 x 1 1/4" shcs with a (S660) 5/16" washer in location 9 of FLD. Install four (S769) threaded spacers 2.150" long in to locations 1, 2, 10 and 11 of FLD



Step-3

Install the main bracket (30491-A) or (30461-A) to (S769) threaded studs in locations 1, 2, 10 & 11 using four (S144) 5/16-18 x 7/8 shcs. Now in locations 3 & 12 of FLD use two TP3-1.100 spacers between the main bracket and the water pump and secure with two (S174) 5/16-18 x 5-1/2" shcs.

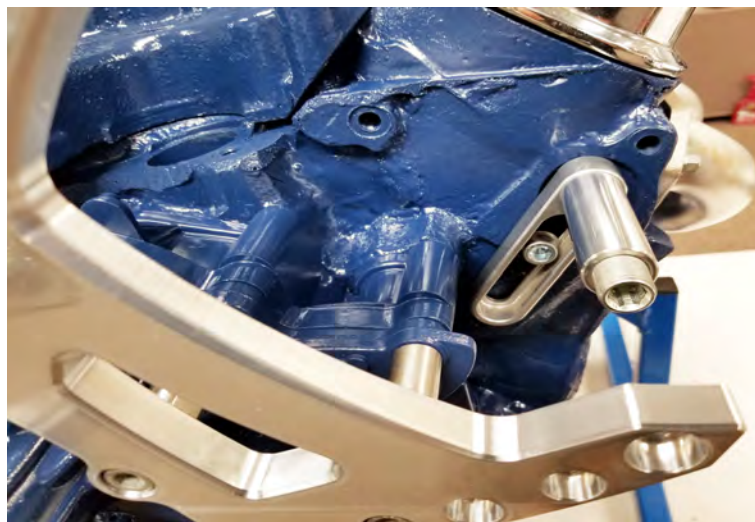
Step-4

Reinstall your balancer and install (30004A-08) timing pointer to locations 7 & 8 of FLD. Between the timing cover and (30004A-08) use two TP3-.650" spacers and secure with two (S162) 5/16-18 x 3" shcs. **Note: This timing pointer is designed to work with timing marks in the 11 o'clock position. Timing pointer MUST be timed to motor.**



Step-5

Install the (30049-09) alternator support bracket assembly onto the drivers side head as shown . Use a either a (S344) 7/16-14 x 1" shcs or a (S248) 3/8 x 1" shcs with a (S667) 3/8 x 5/8" washer. Thread (S450) 5/8-18 threaded insert in to (30049-09) as shown.

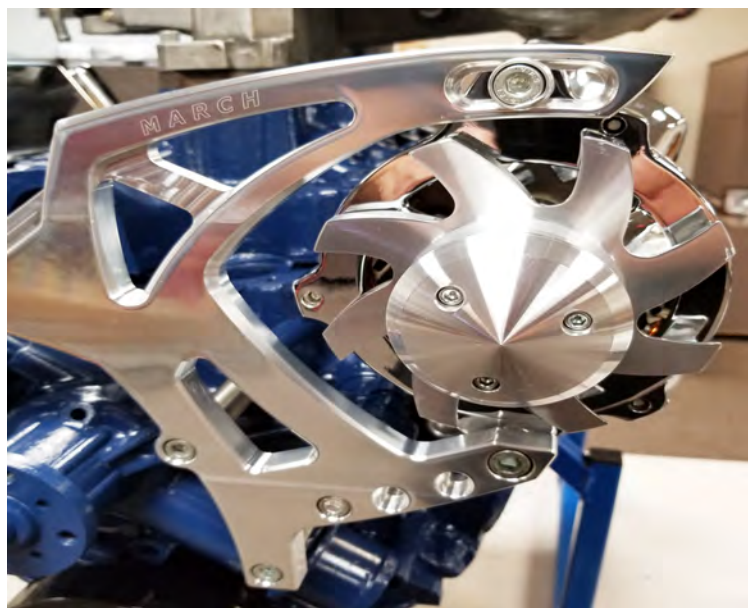


Step-6

To install the (P572) alternator to the main bracket first in the upper slot use a (MM100) bolt sleeve and a (S553) 8mm x 1.25 x 35mm shcs. Now thread the (S450) threaded insert forward to contact the rear of the alternator ear. In the lower hole use a (S277) 3/8 x 4-3/4" shcs through the main bracket, alternator rear in to rear support (30049-09).

Step-7

Install (221-A) alternator fan on to (P572-A) alternator then (206-A) alternator pulley and retain with (S685) alternator lock washer and alternator nut. You can use a impact wrench or install to 90 ft lbs. Now install (306-A) alternator pulley cover with three (S028) 8-32 x 1" shcs.

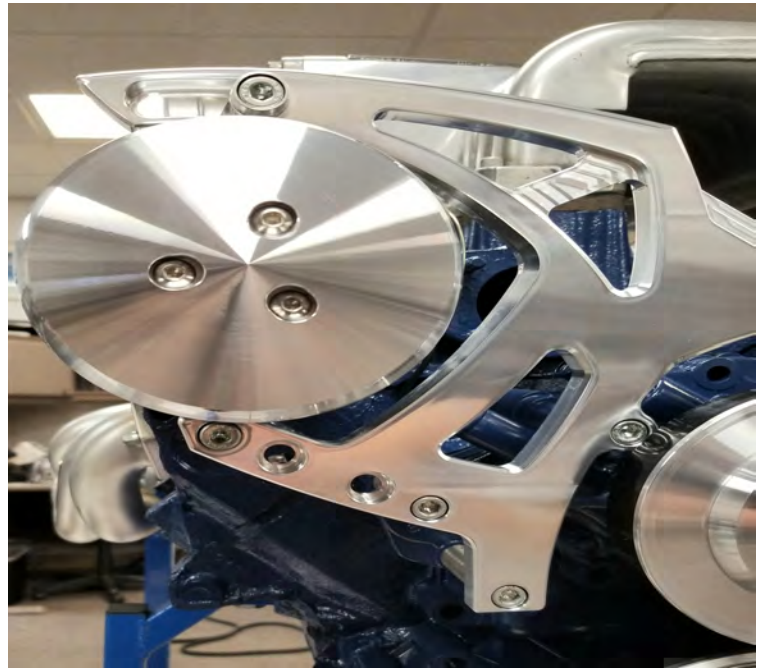


Step-8

Install (2282-A) water pump pulley with (322-A) water pump pulley cover with four (S186) 5/16-24 x 7/8" shcs. Install (2281-A) crank pulley with four (S248) 3/8-16 x 1" shcs. **Note: If crank pulley does NOT align with water pump pulley this is because aftermarket balancers commonly require a spacer to correct offset alignment. Contact us or balancer manufacture for spacer information.**

Step-9

Mount (P412) air conditioning compressor to main bracket using a (S553) 8mm x 1.25 x 35mm shcs with a (MM100) bolt sleeve in the upper slot. In the lower main bracket hole use a (S551) 8mm x 1.25 x 25mm shcs. Now install (394-A) a/c clutch cover with either three (S124) 1/4-20 x 3/4" button head bolts or three (S520) 6mm x 1.0 x 20mm button head bolts. A/c clutch threads will vary from manufacture, that is why we supply both sets of bolts.

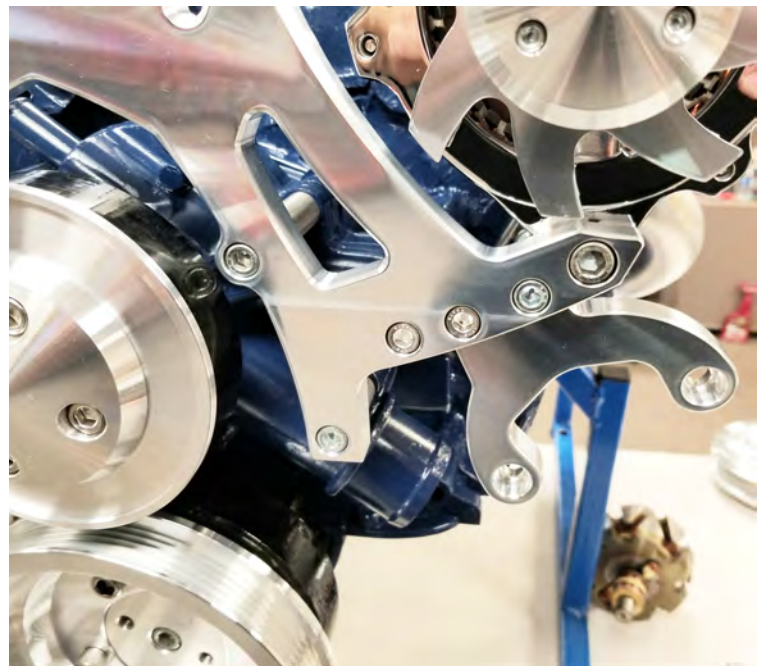


Step-10

Install (30413A-09) rear a/c compressor support bracket in the lower cylinder head bolt hole with either a (S312) 3/8-16 x 1" hex head bolt and a (S666) 3/8 x 3/4" washer or a (S385) 7/16-14 x 1" hex head bolt and a (S672) 7/16 washer depending on the tap size in your head. Now install (30413A-09) to the rear a/c compressor ear with a (S213) 5/16-18 x 1-1/2" hex head bolt and a (S660) 5/16" washer as shown.

Step-11

For non power steering kits (30485 & 30465) in the two holes in main bracket under alternator install two (S144) 5/16-18 x 7/8" shcs with two (S660) 5/16" washers and two (S616) 5/16-18 lock nuts to backside of bracket. Kits with power steering (30470 & 30490) install (30492-A) power steering bracket with the two (S144) 5/16-18 x 7/8" shcs as shown.



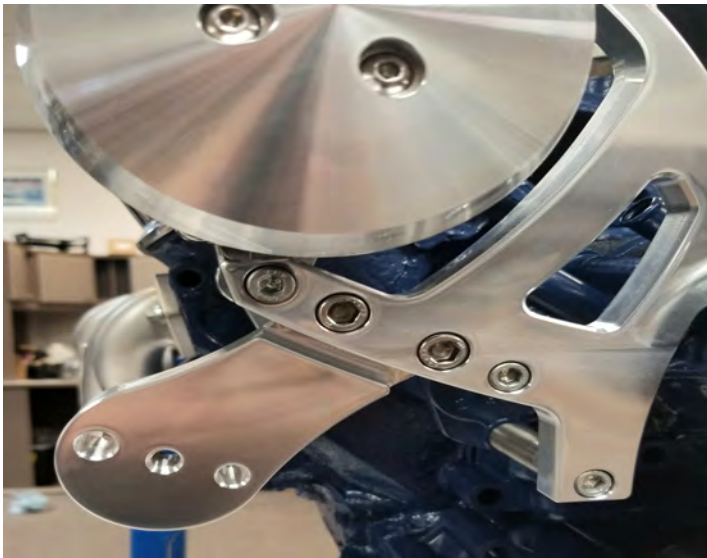
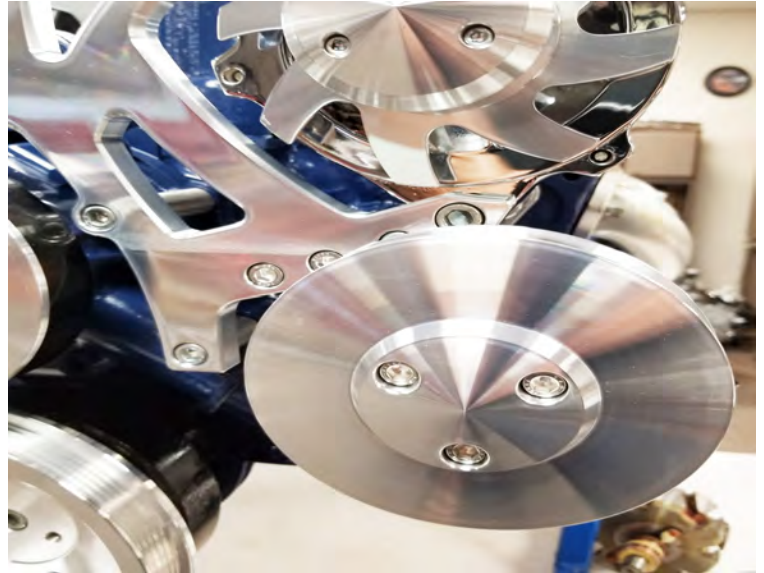


Step-12

Mount the (P314) power steering pump to (30492-A) bracket with two (S551) 8mm x 1.25 x 25mm shcs as shown.

Step-13

Mount (650-A) power steering pulley to (P314) pump with three (S144) 5/16-18 x 7/8" shcs



Step-14

Install (30415-A) tensioner bracket to backside of main bracket underneath the a/c compressor with two (S244) 3/8-16 x 3/4" shcs.

Step-15

Install (P758-04) tensioner to tensioner bracket with (S163) 5/16-18 x 3 1/4" shcs and two (S660) 5/16" washers and retain with a (S616) 5/16 lock nut. Tensioner bracket will have three positions the tensioner can be mounted in. Recommended belt lengths will require the tensioner to be installed in the middle position. You may also adjust the alternator and a/c compressor in the slotted portion of the main bracket to aid in belt install as well as belt stretch and custom configurations.



Step-16

Installing the belt. Use a 1/2" drive ratchet rotating clockwise to pull back on tensioner and install a 65-1/2" (Dayco 5060655) for kits 30490 & 30470(kits with power steering) or 63" (Dayco 5060630) belt for kits 30485 & 30465(kits without power steering). Once belt is on you can install (759-A) tensioner cover with two (S022) 8-32 x 3/8" shcs. To install (417-A) a/c compressor manifold, First remove compressor port block off plate and install (417-A) manifold with two (S550) 8mm x 1.25 x 20mm shcs. **Do Not install manifold or connect clutch wire until you are ready to charge a/c system.**



Kits with power steering belt 65.5"
Dayco 5060655



Kits without power steering belt 63.0"
Dayco 5060630