

Installation Instructions

Oldsmobile 350 - 455

Kits 16030 & 16035

Optional parts for kits



Part # 16012
billet oil fill
tube



Part # 480 or 480-08
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 or
418-08 a/c
manifold wrap
around fittings



Stainless braided hose
packages for plumbing
your power steering
system



Part # P545
320 amp
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

16031 main bracket

- 1- 16031-A main bracket body
- 2- 740 idler pulleys
 - 1- 740-A idler
 - 1- 302-A pulley cover
 - 3- S022 8-32 x .375" shcs
- 2- MM100 bolt bushing
 - 1- TP3-1.775" spacer
 - 3- S144 5/16-18 x .875" shcs
 - 1- S169 5/16-18 x 4.5" shcs
 - 3- S205 5/16-18 x 2" shcs
 - 4- S244 3/8-16 x .75" shcs
 - 1- S277 3/8-16 x 4.75" shcs
 - 2- S321 3/8-16 x 1.75" hex head
 - 1- S550 M8-1.25 x 20mm shcs
 - 2- S553 M8-1.25 x 35mm shcs
 - 2- S622 3/8-16 lock nut
 - 2- S666 3/8 washer
 - 3- S772 2.850" threaded spacer

16033 a/c rear support

- 1- 40432A-09 bracket body
- 1- AC3-1.000" aluminum spacer
- 1- TP5-.600" spacer
- 1- S217 5/16-18 x 2.25" hex bolt
- 1- S323 3/8-16 x 2" hex bolt
- 1- S616 5/16-18 lock nut
- 1- S660 5/16" washer
- 1- S666 3/8" washer

16034 alternator support

- 1-21079-A bracket body
- 1-AC3-1.580" aluminum spacer
- 1-TP3-.990" spacer
- 1-S329 3/8-16 x 3" hex bolt
- 1- S450 5/8" o.d. set screw
- 1- S622 3/8-16 lock nut
- 1- S666 3/8 washer

pulley kit

- 1- 16038-A crank pulley
 - 4- S144 5/16-18 x .875" shcs
- 1- 16039-A water pump pulley
- 1- 333 water pump pulley cover
 - 4- S186 5/16-24 x .875" shcs
- 1- 221-A alternator fan
- 1- 206-A alternator pulley
 - 1- S685 11/16" lock washer
- 1- 306-A alternator pulley cover
 - 3- S028 8-32 x 1" shcs
- 1- 394-A a/c clutch cover
 - 3- S124 1/4-20 x .75" button head
 - 3- S520 M6-1.0 x 20mm button head
- 1- 650-A power steering pulley (**kit 16030**)
 - 3- S144 5/16-18 x .875" shcs

Accessories

- 1- P151 aluminum water pump
- 1- P572 chrome 140 amp alternator
- 1- P412 chrome a/c compressor
- 1- 417 a/c manifold
 - 2- S550 M8-1.25 x 20mm shcs
- 1- P313 power steering pump (**kit 16030**)

16032 power steering bracket (kit 16030)

- 1- 16032-A p/s bracket body
 - 1- 742 idler pulley
 - 1- 742-A idler pulley
 - 1- 302-A idler pulley cover
 - 3- S022 8-32 x .375" shcs
 - 1- S323 3/8-16 x 2" hex head
 - 1- S666 3/8" washer
 - 2- S551 M8-1.25 x 25mm shcs
- ### **21207 tensioner bracket assembly**
- 1- 21207-A tensioner bracket
 - 1- P758A-04 tensioner
 - 1- 759-A tensioner cover
 - 2- S022 8-32 x .375" shcs
 - 1- S163 5/16-18 x 3.25" shcs
 - 1- S616 5/16-18 lock nut
 - 2- S660 5/16 washer

16031 main bracket

- 1- 16031-A main bracket body
- 2- 740 idler pulleys
 - 1- 740-A idler
 - 1- 302-A pulley cover
 - 3- S022 8-32 x .375" shcs
- 2- MM100 bolt bushing
- 1- TP3-1.775" spacer
- 3- S144 5/16-18 x .875" shcs
- 1- S169 5/16-18 x 4.5" shcs
- 3- S205 5/16-18 x 2" shcs
- 4- S244 3/8-16 x .75" shcs
- 1- S277 3/8-16 x 4.75" shcs
- 2- S321 3/8-16 x 1.75" hex head
- 1- S550 M8-1.25 x 20mm shcs
- 2- S553 M8-1.25 x 35mm shcs
- 2- S622 3/8-16 lock nut
- 2- S666 3/8 washer
- 3- S772 2.850" threaded spacer

16033 a/c rear support

- 1- 40432A-09 bracket body
- 1- AC3-1.000" aluminum spacer
- 1- TP5-.600" spacer
- 1- S217 5/16-18 x 2.25" hex bolt
- 1- S323 3/8-16 x 2" hex bolt
- 1- S616 5/16-18 lock nut
- 1- S660 5/16" washer
- 1- S666 3/8" washer

16034 alternator support

- 1-21079-A bracket body
- 1-AC3-1.580" aluminum spacer
- 1-TP3-.990" spacer
- 1-S329 3/8-16 x 3" hex bolt
- 1- S450 5/8" o.d. set screw
- 1- S622 3/8-16 lock nut
- 1- S666 3/8 washer

pulley kit

- 1- 16038-A crank pulley
 - 4- S144 5/16-18 x .875" shcs
- 1- 16039-A water pump pulley
- 1- 333 water pump pulley cover
 - 4- S186 5/16-24 x .875" shcs
- 1- 221-A alternator fan
- 1- 206-A alternator pulley
 - 1- S685 11/16" lock washer
- 1- 306-A alternator pulley cover
 - 3- S028 8-32 x 1" shcs
- 1- 394-A a/c clutch cover
 - 3- S124 1/4-20 x .75" button head
 - 3- S520 M6-1.0 x 20mm button head
- 1- 650-A power steering pulley (**kit 16030**)
 - 3- S144 5/16-18 x .875" shcs

Accessories

- 1- P151 aluminum water pump
- 1- P572 chrome 140 amp alternator
- 1- P412 chrome a/c compressor
- 1- 417 a/c manifold
 - 2- S550 M8-1.25 x 20mm shcs
- 1- P313 power steering pump (**kit 16030**)

16032 power steering bracket (kit 16030)

- 1- 16032-A p/s bracket body
- 1- 742 idler pulley
 - 1- 742-A idler pulley
 - 1- 302-A idler pulley cover
 - 3- S022 8-32 x .375" shcs
- 1- S323 3/8-16 x 2" hex head
- 1- S666 3/8" washer

21207 tensioner bracket assembly

- 1- 21207-A tensioner bracket
- 1- P758A-04 tensioner
- 1- 759-A tensioner cover
- 2- S022 8-32 x .375" shcs
- 1- S163 5/16-18 x 3.25" shcs
- 1- S616 5/16-18 lock nut
- 2- S660 5/16 washer



Step-1

Install the provided water pump (P151)
Use the three provided (S205) 5/16-18 x 2” studs in the shown locations threading them into the block, slide the gasket and the water pump over the studs and secure with the three (S772) 2.850” long stainless spacers as shown.

Step-2

Mount the main face plate (16031-A) to the three stainless spacers with three (S144) 5/16-18 x 7/8 shcs . In the lower passenger hole between the bracket and the water pump insert a (TP3-1.775) spacer and use a (S169) 5/16-18 x 4-1/2” shcs.



Step-3

Install the two (740-A) idler pulleys to the main bracket **Note:** In kit 16030 with power steering there are two matching height Idlers in the kit the third is longer and used on the power steering bracket use two (S666) 3/8” washers and two (S321) 3/8-16 x 1-3/4” hex bolts to install the idlers.



Step-4

Install the (P412) a/c compressor to the passenger side of the main bracket. In the lower hole use a (S550) M8-1.25 x 20mm shcs. In the upper slot use a (MM100) alum. bolt bushing and a (S553) M8 -1.25 x 35mm shcs.

Step-5

Mounting the rear a/c support bracket (40432A-09) using the (AC3-1.000) spacer between the bracket and the head. Secure to the head with a (S323) 3/8-16 x 2" hex bolt and a (S666) 3/8 washer. Install the (S217) 5/16 x 2-1/4" hex bolt thru the rear ear of the a/c unit with a (TP5-.600) spacer between the rear support and a/c ear and secure with a (S660) 5/16" washer and a (S616) 5/16" lock nut . **NOTE the 350 and the 455 C.I. A/C rear supports use the same hardware but mount to different head bolts The upper photo shows the 455 mounts to the outer hole while the photo to the right shows the 350 mounted to the inner bolt hole.**





Step-6

Mount the (P572) alternator to the main bracket on the driverside. In the upper slot use a (MM100) aluminum bolt bushing and a (S553) M8-1.25 x 35mm shcs.

Step-7

Mount the rear alternator support bracket assembly to the head with a (AC3-1.580) alum spacer between the (21079-A) bracket as shown. Secure to the head with a (S329) 3/8-16 x 3" hex bolt and a (S666) 3/8 x 3/4" washer. Now install the (S450) 5/8-18 threaded bushing into the other end of the bracket. Install a (S277) 3/8-16 x 4-3/4" shcs through the front main bracket and into the lower alternator mounting ear, then into the (TP3-.990) spacer. Secure on the back side with a (S622) 3/8" lock nut. NOTE: Make sure the 5/8 adjustment bushing and spacer are tight to the rear of the alternator ear.



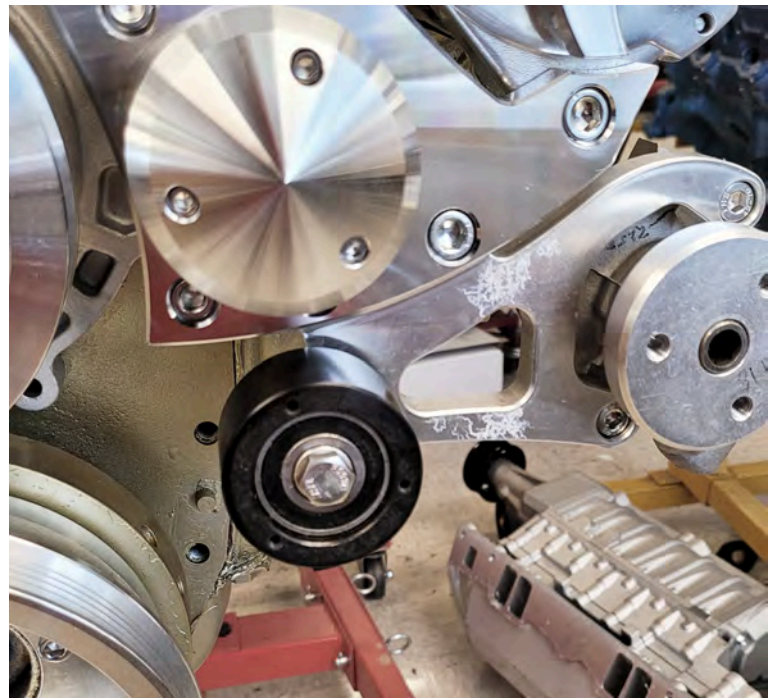


Step-8

If you have kit 16035 with out p/s. Install two (S244) 3/8-16 x .75" shcs with two (S622) 3/8-16 lock nuts to fill the holes where power steering would mount. You can now skip forward to step 11. For power steering start by mounting the (16032-A) power steering bracket to the (P313) power steering pump with two (S551) M8-1.25 x 25mm shcs as shown.

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Mount the p/s bracket and pump to the main bracket using two (S244) 3/8-16 x 3/4" shcs. Now install the last idler pulley (742-A has longer bushing than the other two idlers) on to the p/s bracket using a (S323) 3/8-16 x 2" hex bolt and a (S666) 3/8" washer to the tapped hole in bracket. Now Add the (302-A) idler cap using three (S022) 8-32 x 3/8" shcs.

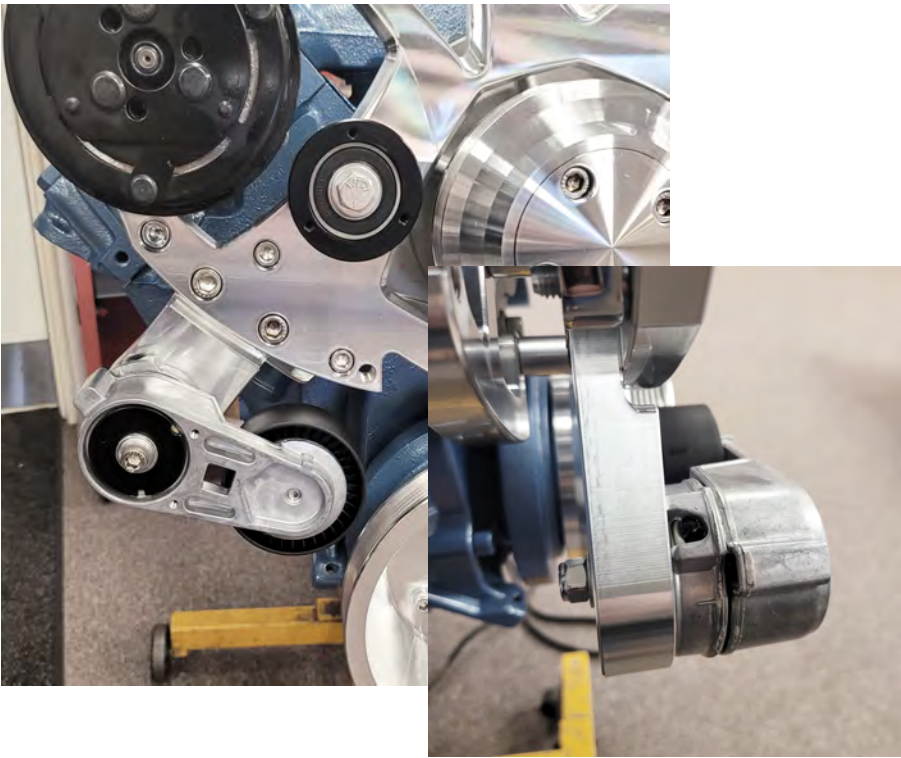
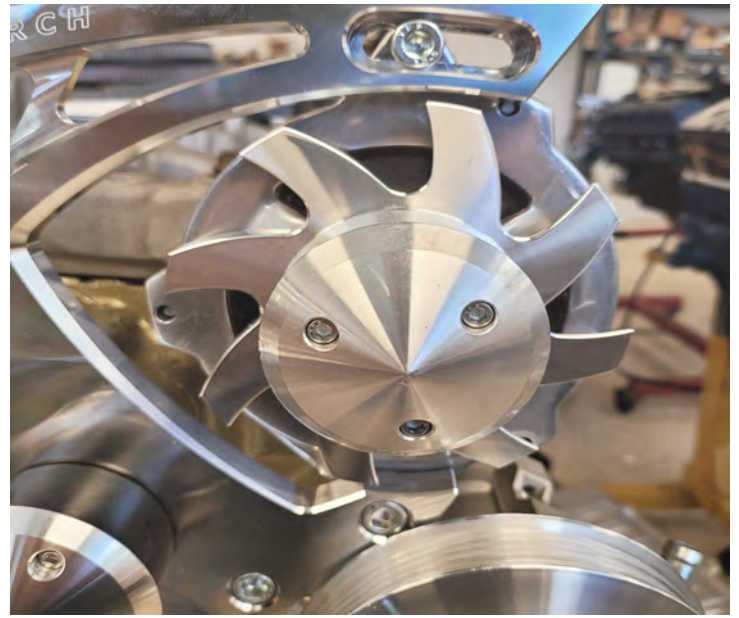


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Mount the power steering pulley (650-A) using three (S144) 5/16 x 7/8 shcs. Note: The power steering hub is pressed on as a courtesy and is not guaranteed to be in correct alignment. You may have to adjust the hub by pulling it forward to the correct alignment. This can be achieved with a harmonic balancer puller or a 3 jaw puller with the pulley not installed.

Step-11

Install the (221-A) alternator fan then (206-A) alternator pulley. Use the (S685) lock washer and the nut that came with the alternator. Secure with a impact or to 70 ft lbs. Now add (306-A) alternator pulley cover and secure with three (S028) 8-32 x 1" shcs.



Step-12

Install (P758-04) tensioner to (21207-A) bracket with a (S163) 5/16-18 x 3.5" shcs using two (S660) 5/16 washers and one (S616) 5/16-18 lock nut to retain on backside of bracket. Note there are three positions the tensioner can be installed. The recommended belt lengths will require the tensioner to be installed in the middle position. You can use the slotted adjustments in the main bracket as well as the next upper position on tensioner main bracket to aid with longer length belts.

Step-13

Install the (394-A) a/c clutch cover using either three (S124) 1/4-20 x 3/4" button head bolts or three (S520) M6-1.0 x 20mm button head bolts depending on threads in compressor clutch assembly.



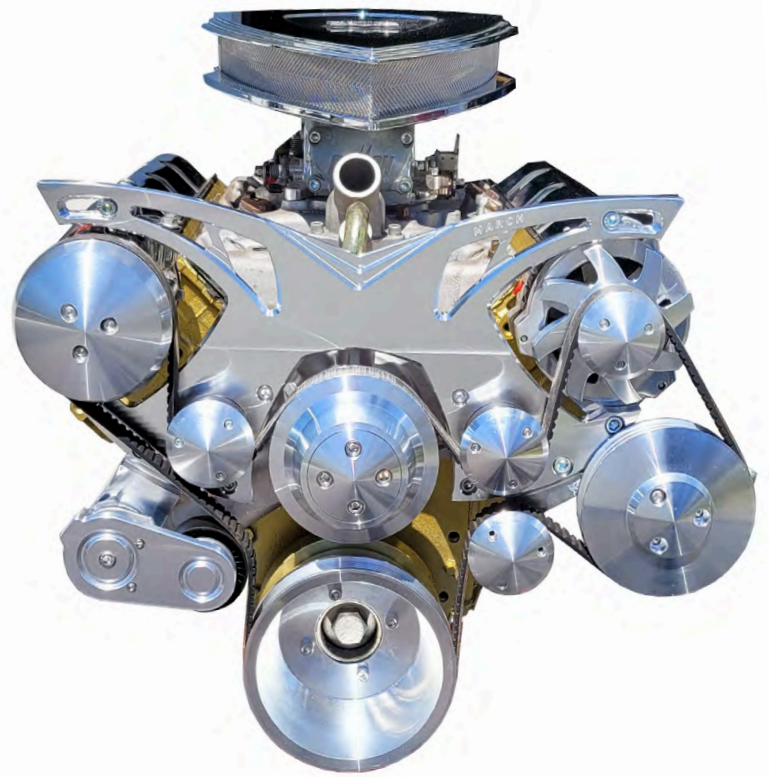


Step-14

Install the (16039-A) water pump pulley and the (333-A) water pump cover using four (S186) 5/16-24 x 7/8" shcs . Now install the (16038-A) crank pulley using four (S144) 5/16-18 x 7/8" shcs. Also install the two (302-A) idler pulley covers with three (S022) 8-32 x 3/8" shcs per idler.

Step-15

To install belt, make sure the alternator and a/c compressor are all the way inward on the slots of the main bracket. Use a 1/2" drive ratchet to pull back on tensioner. Now install belt for kit 16030 using a 80" 6 rib (Dayco # 5060800) or for kit 16035 non power steering use a 68 1/2" 6 rib (Dayco # 5060685). Route as shown. For non pwr steering the belt will route from the crank directly to the alternator. Once tension is set install (759-A) tensioner cover with two (S022) 8-32 x 3/8" shcs.



Note : We do NOT include belts with kits. We do recommend Dayco, Goodyear or Continental brands only. These are available through most local auto parts stores.

LIMITED WARRANTY

March Performance warrants to the original retail purchaser that for a period of ninety (90) days from the date of purchase, March Performance will repair or replace, at their option, any Product, which is found to be defective in material or workmanship.

Exclusions from Warranty Coverage

March Performance does not warrant any Product that is damaged from abuse, misuse or misapplication or not used for its intended purposes.

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Normal wear and tear and damage to the Product not caused by March Performance are also excluded from this Warranty.

DISCLAIMER OF OTHER WARRANTIES

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY WHETHER OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY, SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY WILL LAST SO THAT THE PRECEDING LIMITATION MAY NOT APPLY TO YOU.

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THIS WARRANTY GIVES YOU SPECIFIC RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

Your Responsibilities:

- 1. Use and install the Product only for its intended purpose.
2. To avail yourself of this Limited Warranty, return the Product with a copy of the paid receipt, postage paid to: MARCH PERFORMANCE 16160 PERFORMANCE WAY NAPLES, FL 34110
3. When returning the Product, you must follow the directions set forth on the Warranty/Return Form on the reverse side of this Limited Warranty. If you no longer have the Warranty/Return Form, one may be obtained by contacting March Performance during normal business hours at: (888) 729-9070.
4. Shipping and/or transportation costs returning the Product to March Performance and any damage caused during shipping are your responsibility. March Performance will pay for shipping and/or transportation costs incurred in returning the Product to you.

LIMITED WARRANTY WARRANTY/RETURNS FORM

No product mounted is considered for credit unless it is a manufacturer defect.

All products returned for any reason must reference an authorization number (RGA). The RGA number is obtained by calling place of purchase during normal business hours. Any product returned without the RGA# written on the return package next to the return shipping label will be refused.

All returns must ship via UPS and be properly packaged in the original carton. Return freight charges are the responsibility of the customer unless the product was shipped in error.

March product returned after (1) year from date of purchase will not be accepted unless it is found to be a manufacturer defect. The customer must include a written statement describing the alleged product defect. The complete Limited Warranty is set forth on the reverse side.

- 100% credit issued on manufacturer defects
20% return fee on all reshelvable product
70% return fee on all repairable product

NO CREDIT WILL BE ISSUED ON RETURNED PRODUCT BEYOND REPAIR

March Performance thoroughly inspects all returns. It is the sole discretion of March Performance in determining the condition of all returned merchandise.

To receive replacements at no charge the original product must first be received and inspected by March Performance for determination. Immediate replacements may be purchased and later credited upon inspection determination.

Please Complete the Information below, detach and include with returned product.

Form fields for RGA#, CT#, Issued by, Date, Purchaser's Name, Phone, Address, Purchased Directly Through, Invoice#, Product ID, Invoice Date, Reason.

** MOUNTED PRODUCTS ARE NONREFUNDABLE **