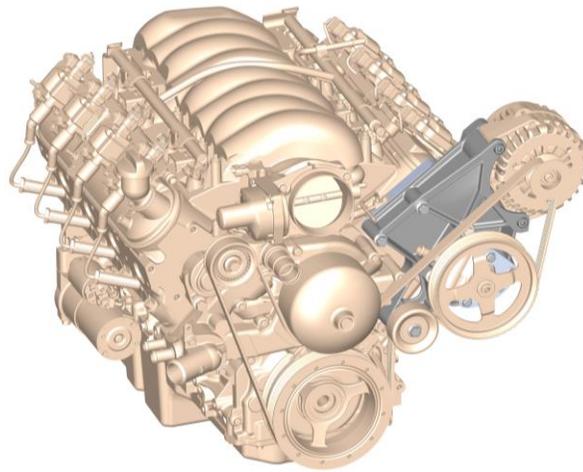


# Fitment and Required Components Guide

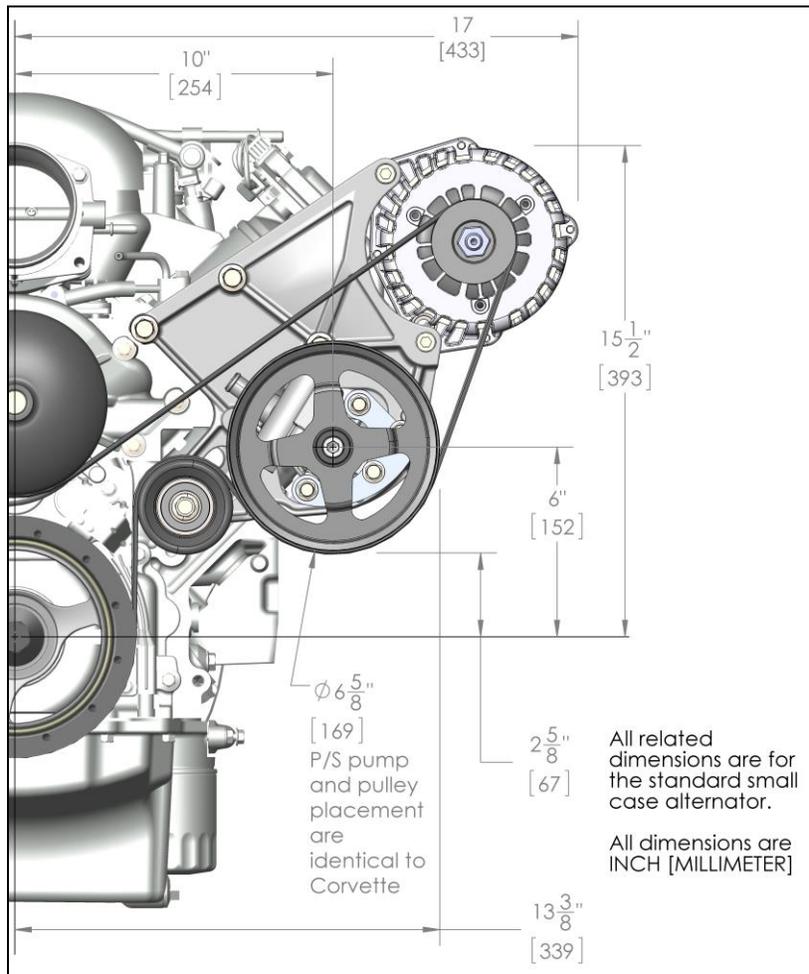


## Holley Accessory Drive Kit Part Number 20-135



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## Introduction:

Holley's accessory drive kits offer clean, economical mounting of all LS engine accessories. These brackets look truly at home on any LS engine as if they came from the factory this way.

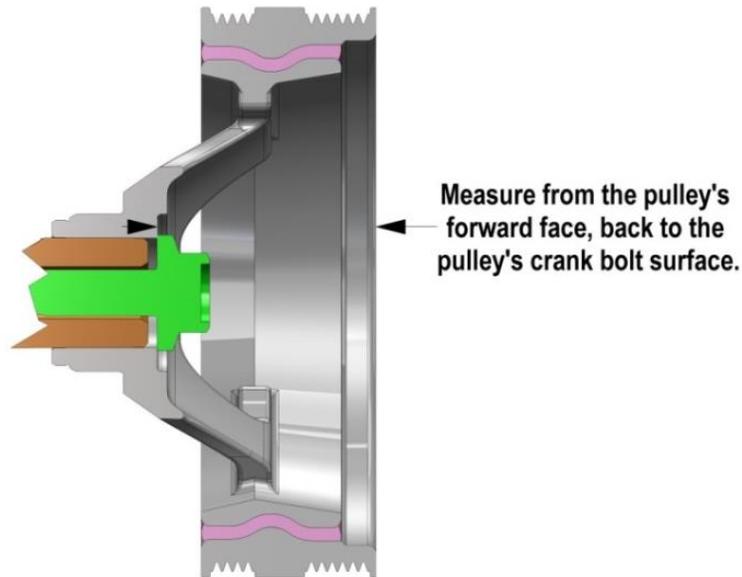
Holley's kits supply the required brackets and hardware needed for installation, but allow you to choose the source for supplemental accessories and components that are often already on the donor engine or the vehicle the engine is going into. Whether sourcing from the salvage yard, the local auto parts store, your GM parts dealer, or Holley and their premium matched components; you pick the source that matches your expectations and budget.

The 20-135 bracket kit is intended for use with engines using the stock tensioner assembly and water pump and either NO A/C or the engine's original A/C bracket and compressor. This bracket will also work with Holley A/C bracket kit 20-133 or 20-134.

This guide will help with locating and sourcing components, as well as supplying notes and helpful hints for each. The first step is to determine which belt alignment you want to proceed with. This is determined by the crank pulley and often, but not always, the water pump. If clearance to the radiator is an issue, the compact STANDARD spacing common on the Corvette may be preferred. Otherwise, it is most cost effective to retain the existing crank pulley/water pump and space the bracket and other accessories to match. An application specific installation kit (part # 21-2 or 21-3) is REQUIRED for Middle and Long belt alignments. No installation kit is required when installing a 20-135 on an application with a Standard belt alignment.

**Note:** All Corvette part application references in this guide are to NON-supercharged LS engines.

## Crank Pulley Belt Alignment Determination:



See the below chart for reference dimensions.

## Overview of Parts Needed (but NOT included with 20-135 bracket kit):

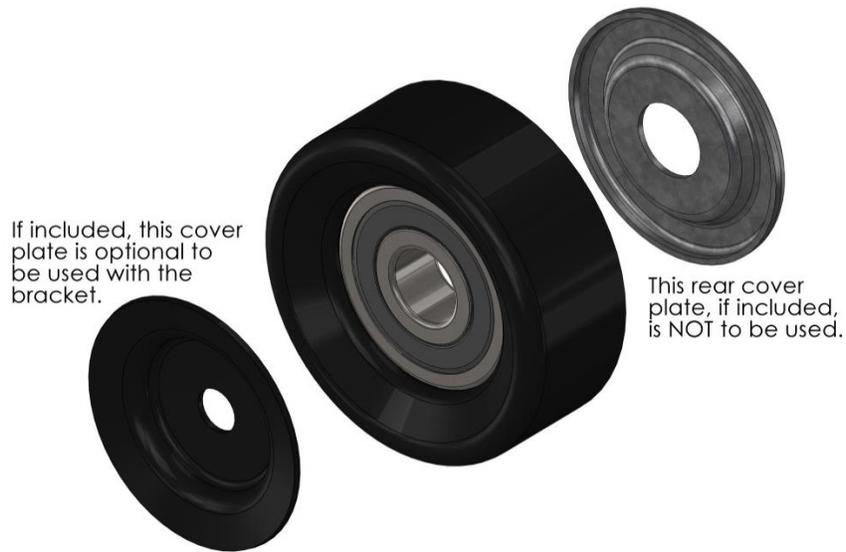
### Components with specific belt alignments

Belt Alignment Group	LS Application (Alignment Specific)	Holley Installation Kit (Alignment Specific)	Crank Pulley (Reference Dimension)		Water Pump (Alignment Specific)	Original Equipment Passenger's side A/C assembly
					GM #	GM # (Numerous)
Standard	Corvette / CTS-V / G8	N/A	1.5"	37 MM	19256263, 89018052, or 12604630	Most LS passenger's side A/C compressors and brackets can be used with this kit, but only in conjunction with the original belt alignment and components (Original water pump, crank pulley, and tensioner).
Middle	F-body / GTO	21-2	2.25"	55 MM	19256263	
Long	Camaro ('10-UP) / Truck (all)	21-3	3"	75 MM	19207665 or any truck WP	

### Components that will work with all belt alignments

Smooth Idler Pulley	Alternator	Power Steering Pump Pulley	Power Steering Pump	Reservoir Assembly (optional)	Passenger's Side Bracket
Holley # / GM #	Holley # / GM #	Holley # / GM #	Holley # / GM #	Holley # / GM #	Holley #
97-150 / 12564401	197-300 or 197-301 / 10480326 or 15754097	97-152 / 12568997 or 12578552	198-100 / 26120639 or 25960709	198-200 (kit) / 15907878, 26095119, 26046502, and 12555222	20-133 and 20-134 (also requires installation kit 21-1, 21-2, or 21-3)

## Idler Pulley Options:



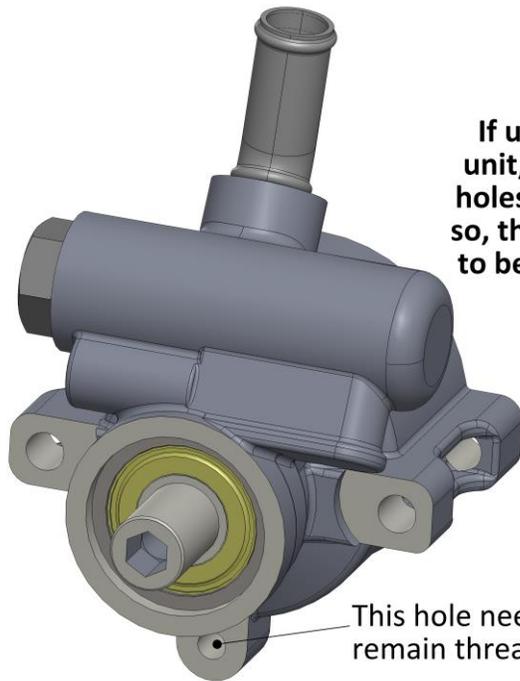
<b>Idler pulley, 76 mm smooth</b>
<b>Holley part # 97-150</b>
<b>Application: '97 Corvette</b>
<b>DAYCO # 89059</b>
<b>GM # 12564401</b>

One smooth idler pulley will be required.

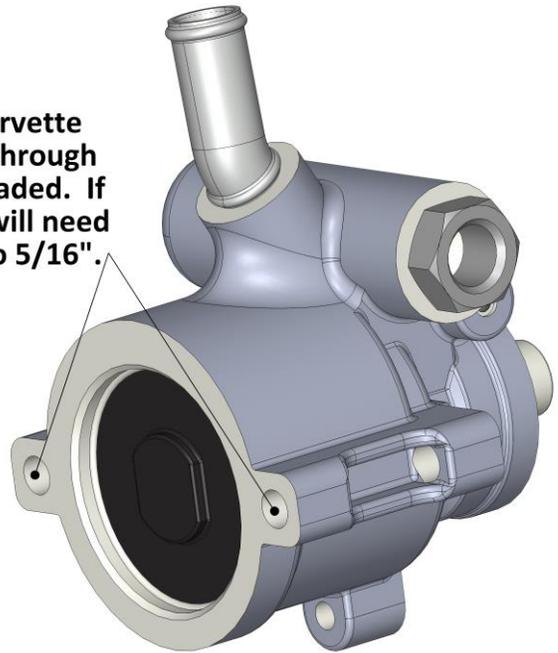


Late model idler pulleys such as GM # 12568996 found on '05-up Corvette have a double bearing and will NOT align with this bracket system.

## Power Steering Pump Options:



If using a non-Corvette unit, the pump's through holes may be threaded. If so, these threads will need to be drilled out to 5/16".



<b>Aluminum power steering pump</b>
<b>Holley part # 198-100</b>
<b>Application:</b> '09 Corvette, all except supercharged
GM # 26120639

<b>Steel power steering pump</b>
<b>Application:</b> '97 Corvette
GM # 25960709

The Holley driver's side bracket uses the standard (1997 and up) Corvette power steering pump (Saginaw TC type). Other pumps of the same housing and type may work, but the bracket is optimized for the Corvette pump.

**HELPFUL HINTS:** Non-Corvette pumps will not have the correctly positioned reservoir hose tube. Also note that remanufactured pumps may have the bent tube turned improperly. Early Corvette pumps are steel where later years were aluminum.

## Power Steering Pump Pulleys:



**NOTE:** If using AN fittings on the pressure line, Holley P/N 961961ERL AN extension/adaptor is required.

There are several pulleys that will fit the pump, but some do not have the correct belt alignment for this application. See applicable service manual for pulley installation procedures.

**Standard Diameter Pulley:**



Power steering pump pulley
Holley P/N 97-152
Application: '97 Corvette
GM# 12568997
OD to grooves: 6.35"
OD overall: 6.70"

**Small Diameter Pulley:**

Power steering pulleys may interfere with the suspension A-arm in certain swap applications. Choosing a smaller pulley in these situations can give additional clearance.



Power steering pump pulley
Holley P/N 97-154
OD to grooves: 5.45"
OD overall: 5.75"

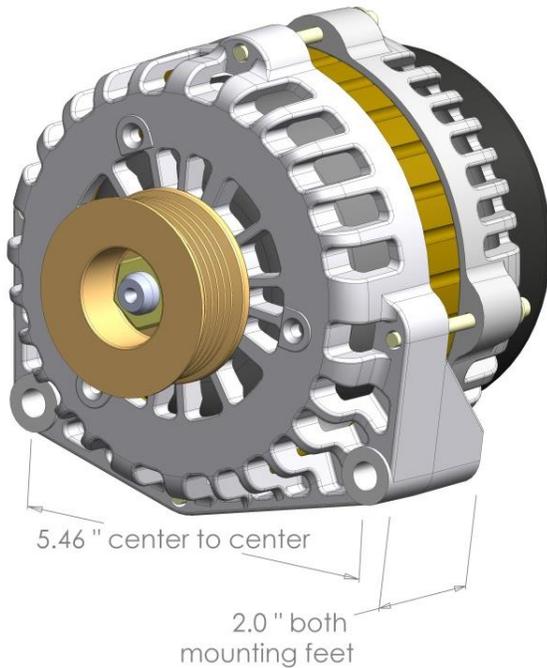
**WARNING! Smaller power steering pulleys, such as a 97-154 can rotate the pump beyond recommended RPMs. To correct this, a 25% under-drive balancer should be used if choosing a pump pulley smaller than 6" OD.**

Belt Alignment Group	LS Application (Alignment Specific)	Balancer (25% under-drive)
		Powerbond P/N
Standard	Corvette/CTS-V/G8	PBU1117SS25
Middle	F-body/GTO	PBU1480SS25
Long	Camaro ('10-UP)/ Truck (all)	PBU1190SS25

\*Belt length will change when moving from standard pulleys to different diameters.

**Helpful Hint:** The above pulleys have openings for pump mounting bolts and can be installed before the pump is installed.

## Alternator Options:



<b>Case size: SMALL (130 mm)</b>
<b>Standard amperage: 105 AMPs</b>
<b>Holley part # 197-300</b>
<b>Application: '04 Chevy Silverado 5.3L (standard 105 amp choice)</b>
<b>GM/Delco # 10480326</b>
<b>Series/Lester # AD230/8247</b>
<b>Holley harness pigtail # 197-400</b>

<b>Case size: LARGE (144 mm)</b>
<b>High amperage: 130-145 AMPs</b>
<b>Holley part # 197-301</b>
<b>Application: '04 Chevy Silverado 5.3L (optional 130/145 amp choice)</b>
<b>GM/Delco # 15754097</b>
<b>Series/Lester # AD244/8292</b>
<b>Holley harness pigtail # 197-400</b>

The Holley driver's side bracket uses standard alternators with 5.46" bolt spacing. This alternator type is common on most '96-'05 GM trucks and '98-'06 Camaro/Firebird/GTOs. There are two alternator amperages available in this type. Note: the Holley bracket DOES NOT work with '97-UP Corvette or '10-UP Camaro alternators which have 6" (154 mm) center bolt spacing.

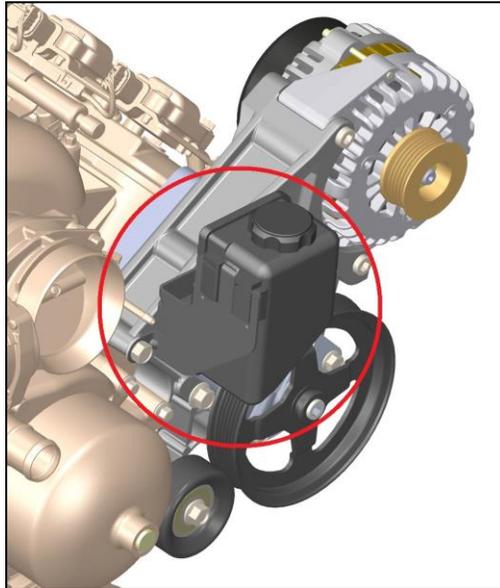
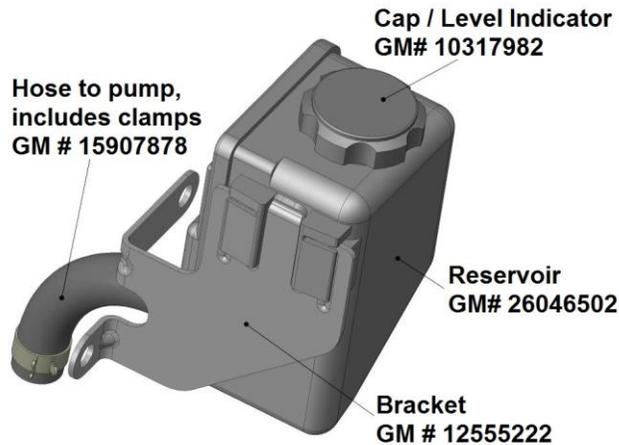
When wiring the alternator, connect the "L" terminal labeled on the alternator to switched voltage that is "on" when the key is in the run position. There must be either a charge indicator light (standard dash bulb) or a 560 ohm, 1/2 watt resistor (Radio Shack #271-1116) in-line on this wire. Holley's part #197-400 already has the resistor in line.

Late model alternators with only two pins visible in the alternator's harness plug instead of four, will NOT work for this application. They require the vehicles ECU to function. An alternator repair shop may be able to change out the internal regulator to the 4-pin type if needed.

**HELPFUL HINT:** The rear alternator housing can be rotated relative to the front housings. If desired, this will let the charge wire and harness plug to be rotated out of sight or away from interferences. Contact your alternator manufacture or an alternator shop for "re-clocking" procedures.

## Power Steering Pump Reservoir Options:

The Holley driver's side bracket works with reservoirs found on '97-up Corvettes. Other remote reservoirs can be custom fitted with this bracket as well. All the below reservoir parts are included in **Holley kit # 198-200**.



After reviewing the components needed for your specific application, parts can be sourced and the Holley kits can be installed. See the included assembly instructions for installation procedures.

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