

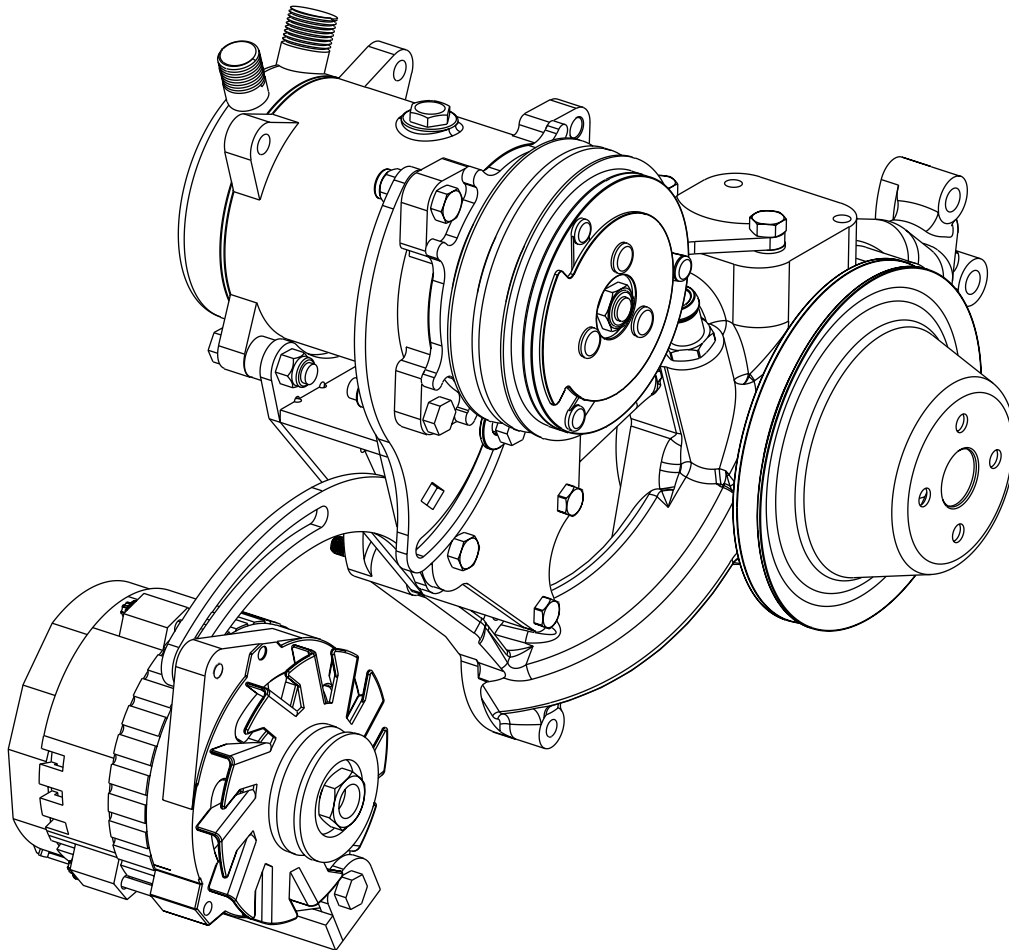


an ISO 9001:2015 Registered Company

Studebaker Truck 289

Compressor/Alternator Bracket Kit

151600



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Table of Contents

- 1. Cover**
- 2. Table of Contents**
- 3. Packing List/Parts Disclaimer**
- 4. Engine Compartment & Auxiliary Pulley Installation**
- 5. Compressor Bracket, Compressor Mounting Bracket & Compressor Installation**
Figures 1,2,3 & 4
- 6. Compressor Installation (Cont.) & Alternator/Generator Installation**
Figures 5 & 6
- 7. Alternator/Generator Installation (Cont.) & Belt Routing**
Figures 7, 7a & 8
- 8. Packing List**

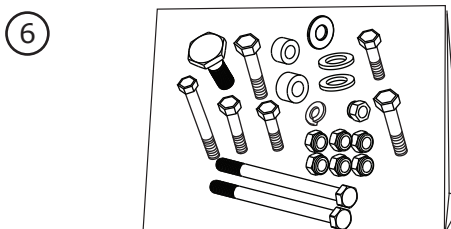
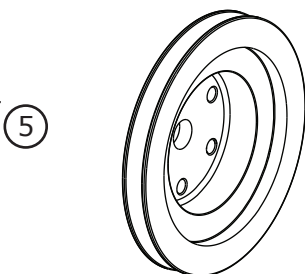
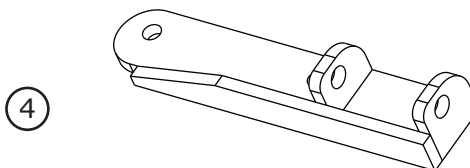
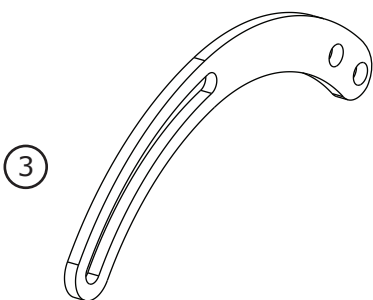
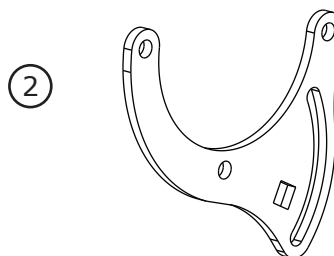
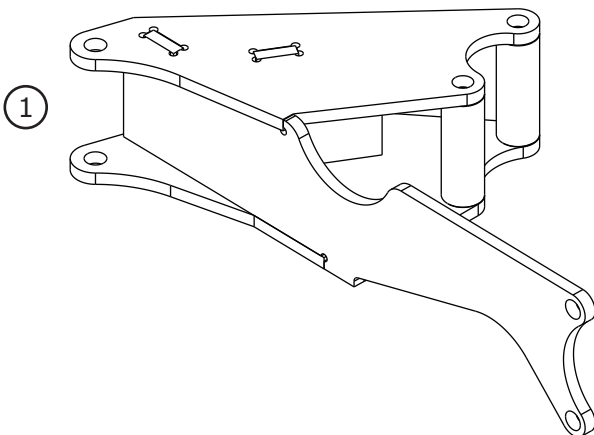


Packing List: Studebaker Truck 289

Compressor/Alternator Bracket Kit (151600)

No.	Qty.	Part No.	Description
1.	1	151006	Compressor Bracket
2.	1	146006-SCR	Compressor Mounting Bracket
3.	1	151005	Alternator Tensioner Bracket
4.	1	150010	Alternator Mounting Bracket
5.	1	735001	Auxiliary Pulley
6.	1	191030	Studebaker Truck 289 Compressor/Alternator Hardware Kit

**** Before beginning installation, open all packages and check contents of shipment. Please report any shortages directly to Vintage Air within 15 days. After 15 days, Vintage Air will not be responsible for missing or damaged items.**

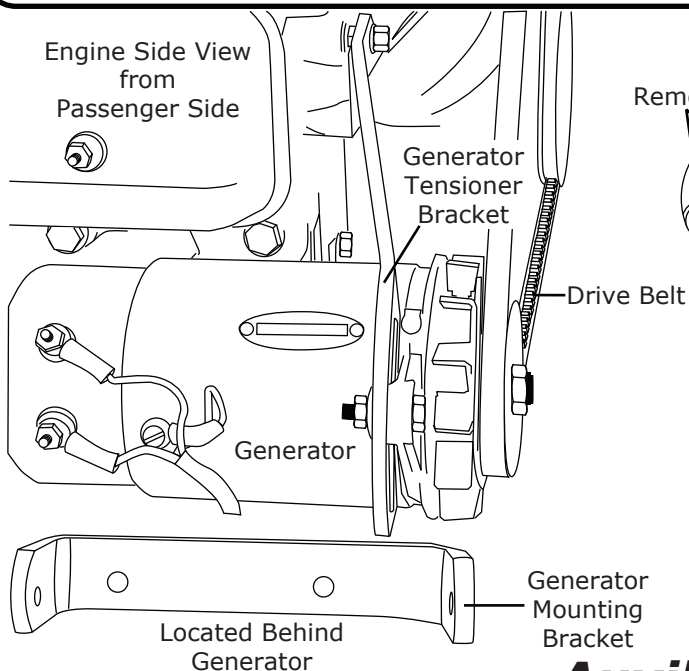




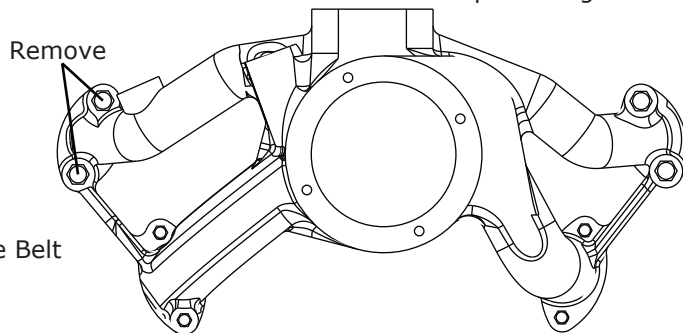
Engine Compartment

Remove the following components from the engine:

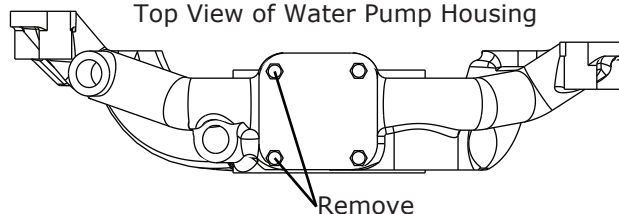
1. Drive belt and hoses.
2. Generator tensioner bracket.
3. Generator.
4. Generator mounting bracket (Retain if using generator style charging option).
5. Upper left hand (Passenger side) water pump housing bolts.
6. Left side (Passenger side) water pump neck bolts.
7. Radiator, fan, crankshaft pulley and balancer.



Front View of Water Pump Housing

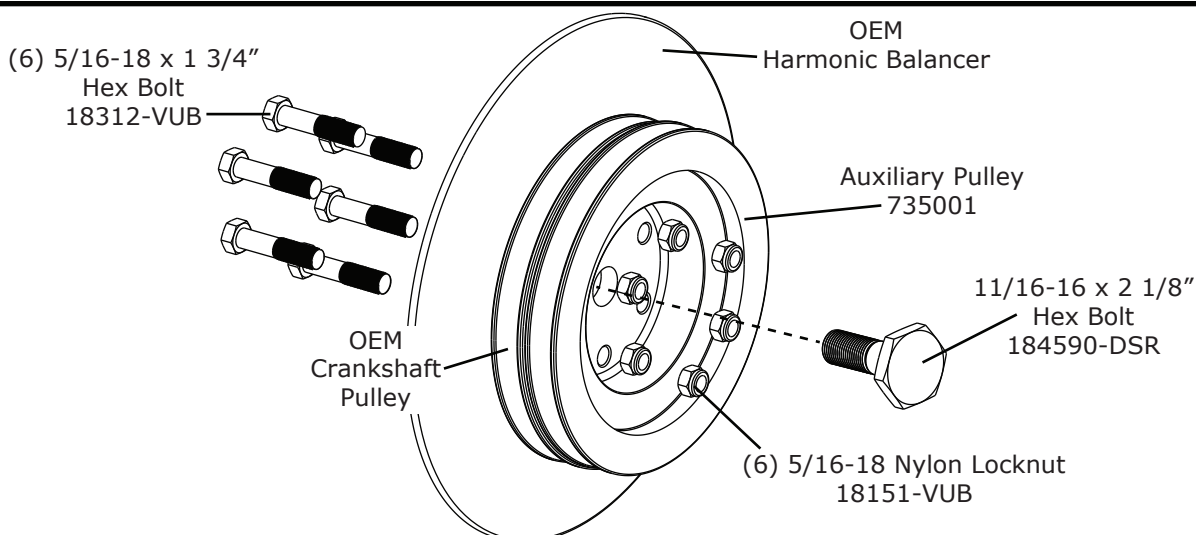


Top View of Water Pump Housing



Auxiliary Pulley Installation

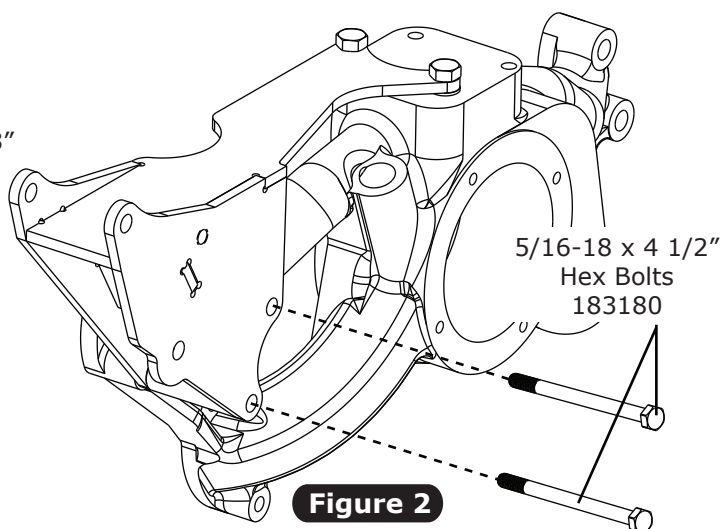
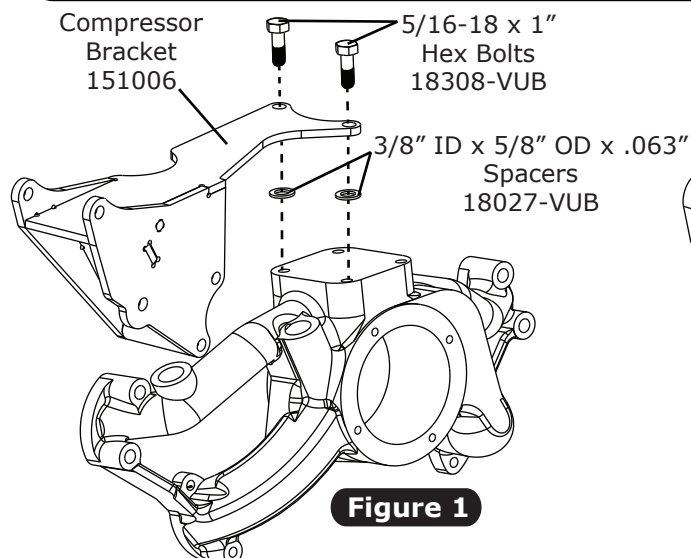
1. Replace balancer bolts with 5/16-18 x 1 3/4" hex bolts.
2. Install balancer onto crankshaft using 11/16-16 x 2 1/8" hex bolt.
3. Install OEM pulley and auxiliary pulley onto balancer. Fasten pulleys to balancer using 5/16-18 nylon locknuts. Torque to OEM specifications.





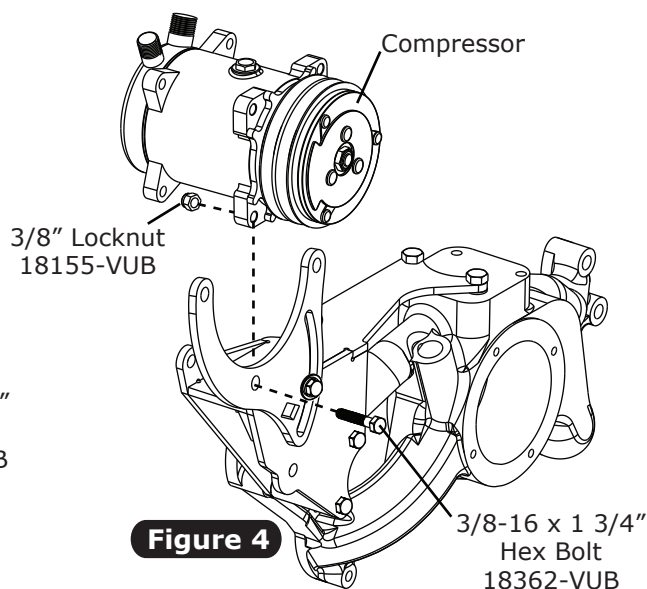
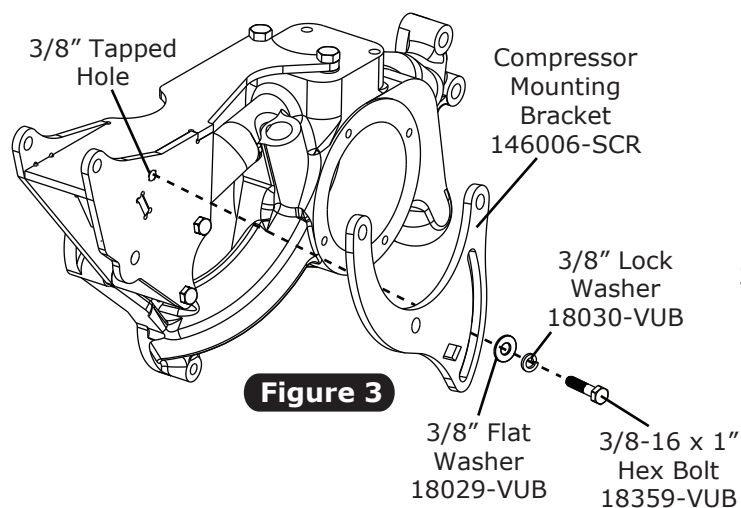
Compressor Bracket Installation

1. Install compressor bracket to water neck flange using 5/16-18 x 1" hex bolts as shown in Figure 1, below.
NOTE: Water neck flange height may vary. If bracket misalignment occurs 3/8" ID x 5/8" OD x .063" spacers may be installed between the compressor bracket and water neck flange.
2. Install 5/16-18 x 4 1/2" hex bolts through compressor bracket and water pump housing as shown in Figure 2, below. Tighten all bolts to OEM specifications.



Compressor Mounting Bracket and Compressor Installation

1. Install 3/8-16 x 1" hex bolt, 3/8" lock washer and 3/8" flat washer through tensioner slot of compressor mounting bracket and into 3/8" tapped hole located on compressor bracket as shown in Figure 3, below.
NOTE: Hand tighten only.
2. Install compressor onto compressor mounting bracket using a 3/8-16 x 1 3/4" hex bolt and 3/8" locknut as shown in Figure 4, below. **NOTE: Hand tighten only and note compressor clocking before installation.**





Compressor Installation (Cont.)

1. Install 3/8-16 x 1 1/2" hex bolts and 3/8" locknuts onto the compressor mounting holes as shown in Figure 5, below.
2. Install 3/4" OD x 13/32" ID x 3/8" steel spacer between the rear compressor ear and compressor bracket. Fasten using a 3/8-16 x 1 3/4" hex bolt and a 3/8" locknut as shown in Figure 6, below.

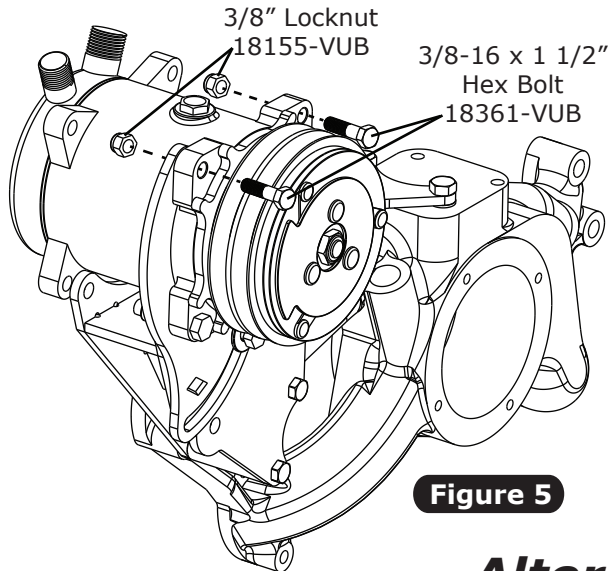


Figure 5

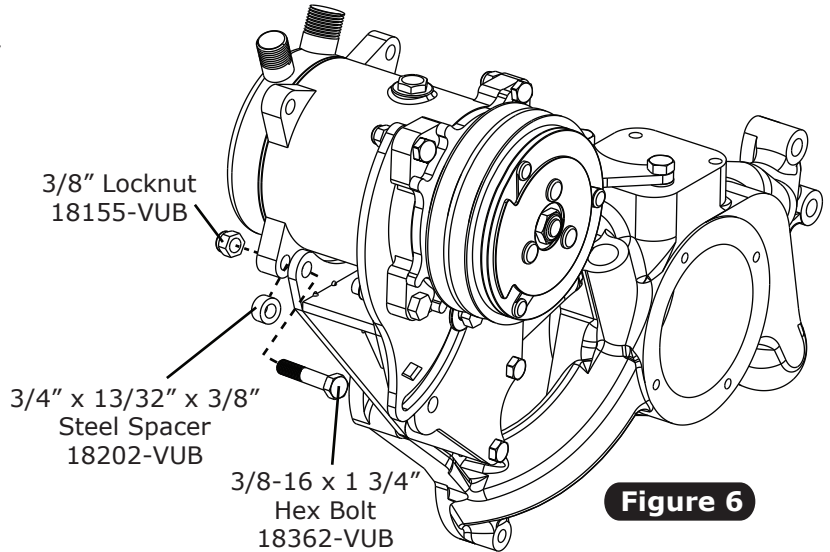
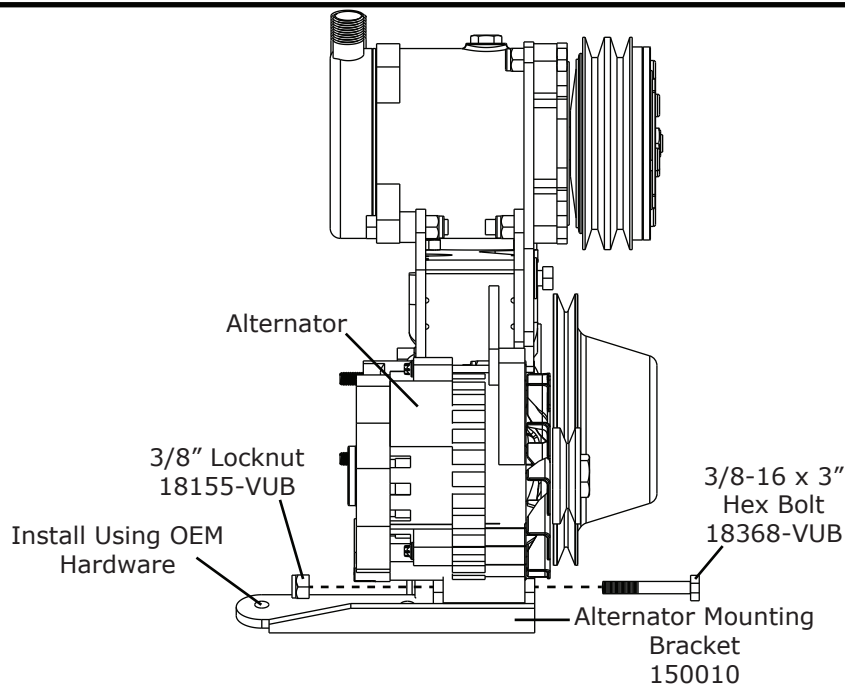


Figure 6

Alternator/Generator Installation

NOTE: This kit allows the use of several 12-volt charging options; The OEM generator (not recommended), the OEM-appearing alternator (powergen) and the common GM alternator. Vintage Air recommends the GM alternator.

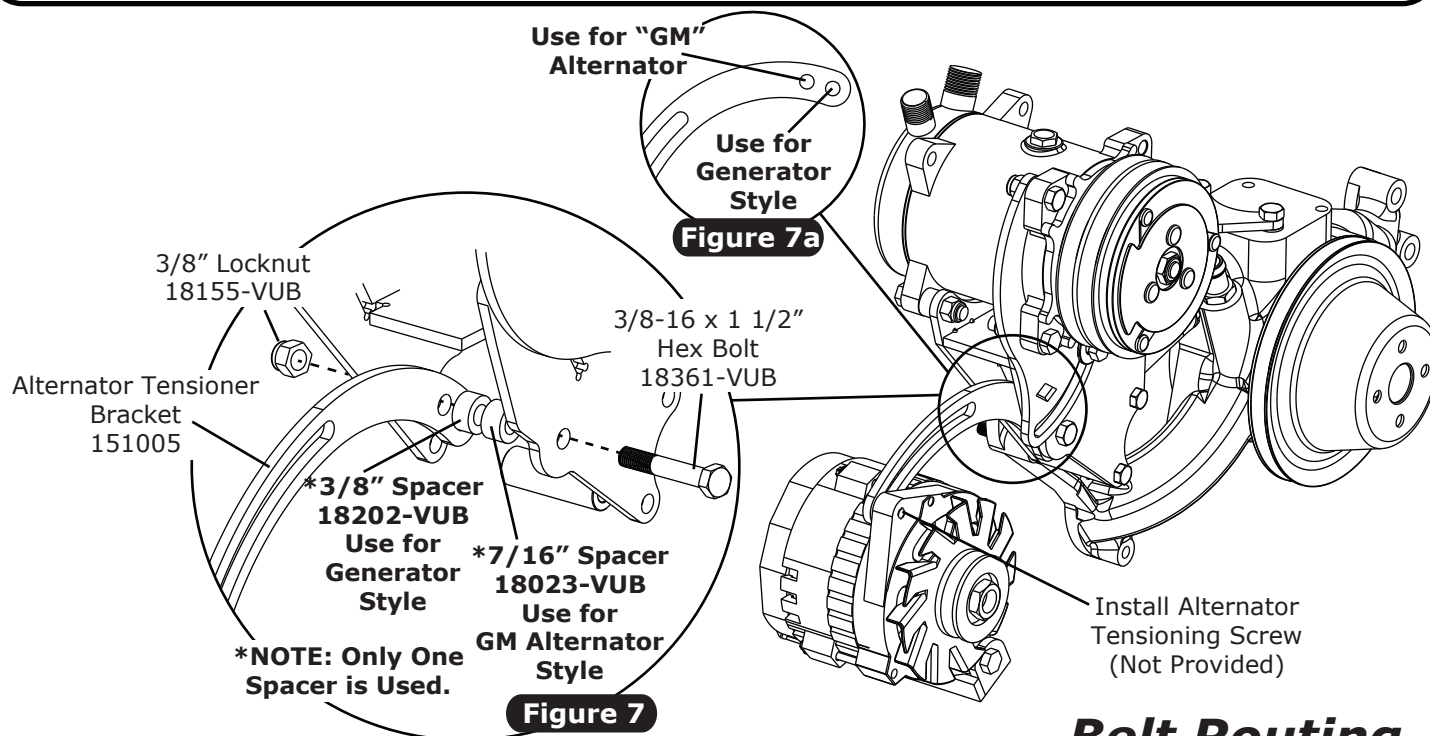
1. To mount OEM generator and generator-style alternators, A Vintage Air alternator bracket is not required. OEM alternator bracket is retained and spacer length is changed to 3/8" as shown in Figure 7, Page 7. Remaining hardware and Vintage Air alternator tensioner bracket are still utilized.
2. To mount alternator, install alternator mounting bracket using OEM hardware.
3. Mount alternator to bracket using a 3/8-16 x 3" hex bolt and a 3/8" locknut.





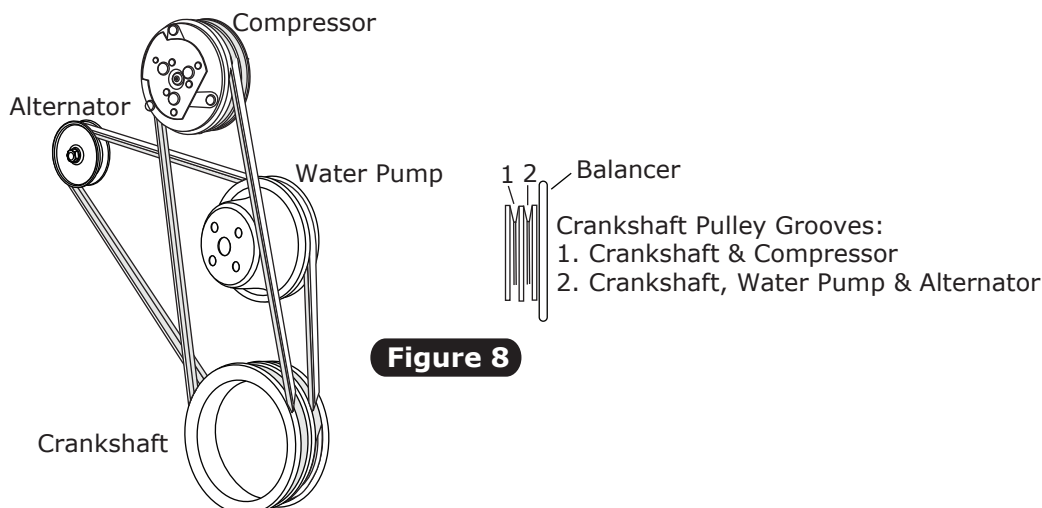
Alternator/Generator Installation (Cont.)

1. Install alternator tensioner bracket to compressor bracket using a 3/8-16 x 1 1/2" hex bolt, 7/16" spacer and a 3/8" locknut as shown in Figure 7, below. **NOTE: Notice hole location for alternator or generator mounting on tensioner bracket shown in Figure 7a, below. Hand tighten only.**
2. Install alternator tensioning screw into tensioner bracket slot. **NOTE: Hand tighten only until compressor belt has been properly installed.**



Belt Routing

1. Belt sizing is dependent on what type of charging option was chosen. For the generator-style charging option, belt size will be 59 1/2". If using a GM alternator, belt size will be 58 1/2". Belt size for the compressor is 58 1/2".
 2. Route belts as shown in Figure 8, below.
- NOTE: Vintage Air recommends using an electric fan for this application. An 18" or larger mechanical fan can also be substituted.**





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No.	Qty.	Part No.	Description	
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5.	1	735001	Auxiliary Pulley	_____
6.	1	191030	Studebaker Truck 289 Compressor/Alternator Hardware Kit	_____

Checked By: _____
 Packed By: _____
 Date: _____

