



LSA Accessory Drive Package Specifications

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This publication provides general information on the installation of a Chevrolet Performance belt accessory drive package (belt package). Please read this entire publication before starting work. Also, please verify that all of the components listed below are in fact included in the kit.

The information below is divided into the following sections: package contents, installation instructions.

The belt package incorporates modern technology in a package that can be installed on most Chevrolet small block Generation 3-4 engines. The belt package includes all the necessary brackets and hardware, pulleys, tensioner, generator, power steering pump, A/C compressor and belt (if needed). This package is assembled using brand new, premium quality components.

This package is designed to provide you a complete belt accessory drive package. This kit is based on the accessory drive system from late model Corvette. It uses factory engineered brackets and components to ensure high quality as well as the factory belt tensioner to maintain proper belt tension during operation.

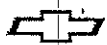
These specifications are intended as a supplement to factory service manuals. It is not the intent of these specifications to replace the comprehensive and detailed service practices explained in the factory service manuals.

Observe all safety precautions and warnings in the service manuals when installing this package in any vehicle. Wear eye protection and appropriate protective clothing. Support the vehicle securely with jack stands when working under or around it. Use only the proper tools. Exercise extreme caution when working with flammable, corrosive, and hazardous liquids and materials. Some procedures require special equipment and skills. If you do not have the appropriate training, expertise, and tools to perform any part of this conversion safely, this work should be done by a professional.

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TITLE LSA Accessory Drive Package		REV 06MR13	PART NO. 19243527	PAGE 1 OF 18
ALL INFORMATION WITHIN ABOVE BORDER TO BE PRINTED EXACTLY AS SHOWN ON 8 1/2 x 11 WHITE 16 POUND BOND PAPER; PRINT ON BOTH SIDES, EXCLUDING TEMPLATES. TO BE INITIALIZED IN ACCORDANCE WITH GM SPECIFICATIONS.		* DATE	REVISION	AUTH
		02NO09	Initial Release - Ray Abboud	
		06MR13	Revision - Rusty Sampsej	



Kit Content

Item Number	Part Number	Quantity	Description	Fastening Torque	
AIR CONDITION COMPRESSOR AND BELT (IF NEEDED)					
1	11516360	04	BOLT/SCREW,A/C CMPR M10x1.5x90mm	50NM	37 FT-LB
2	12612514	01	BRACKET,A/C CMPR		
3	11571051	04	BOLT/SCREW, A/C CMPR MOUNT M10x1.5x45mm	50NM	37 FT-LB
4	25821958	01	A/C COMPRESSOR		
5	12623615	01	TOOL, A/C COMPRESSOR BELT INSTALL		
6	12612516	01	BELT, A/C COMPRESSOR		
GENERATOR ASSEMBLY					
7	12578550	01	BRACKET,GEN		
8	25925447	01	GENERATOR ASM.		
9	11518630	02	BOLT/SCREW,GEN M10x1.5x60mm	50NM	37 FT-LB
10	11518637	03	BOLT/SCREW,GEN M10x1.5x95.5mm	50NM	37 FT-LB
POWER STEERING PUMP					
11	12611905	01	BRACKET,P/S PUMP		
12	11515760	02	BOLT, P/S PUMP RESERVOIR M8x1.25x40mm	50NM	37 FT-LB
13	12611906	01	PULLEY,P/S PUMP		
14	20806165	01	PUMP ASM,P/S		
15	22768353	01	RESERVOIR ASM,P/S FLUID		
16	15224351	01	HOSE ASM,P/S FLUID RSVR		
17	11518633	03	BOLT,P/S PUMP BRACKET M10x1.5x75mm	50NM	37 FT-LB
18	11589311	03	BOLT,P/S PUMP MOUNT M8 x1.25x29mm	50NM	37 FT-LB
TENSIONER, PULLEY AND BELTS					
19	12606501	01	BRACKET, PULLEY		
20	11610074	03	BOLT, PULLEY BRACKET M8x1.25x45mm	50NM	37 FT-LB
21	11589311	01	BOLT, PULLEY BRACKET M8x1.25x29mm	50NM	37 FT-LB
22	12606500	01	BRACKET, TENSIONER		
23	11588749	02	BOLT, TENSIONER BRACKET M10x1.5x85mm	50NM	37 FT-LB
24	11588742	01	BOLT, TENSIONER BRACKET M10x1.5x50mm	50NM	37 FT-LB
25	12628025	01	TENSIONER ASM		
26	11571051	02	BOLT, TENSIONER ASM M10x1.5x45mm		
27	12606031	01	PULLEY		
28	12606032	01	PULLEY		
29	11518630	02	BOLT, PULLEY M10x1.5x60mm	50NM	37 FT-LB
30	12622452	01	TENSIONER		
31	11588753	01	BOLT, TENSIONER M10x1.5x105mm	50NM	37 FT-LB
32	12568996	01	PULLEY	50NM	37 FT-LB
33	12628027	01	BELT, WPMP AND GEN AND P/S PUMP		
34	12636227	01	BELT, SUPERCHARGER		

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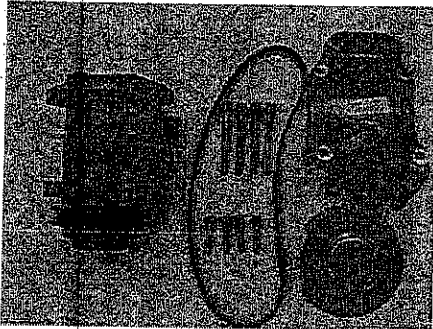
Air Condition Compressor and Belt Installation

NOTE: If not installing an Air Conditioner Compressor skip this section.

Installation Procedure:

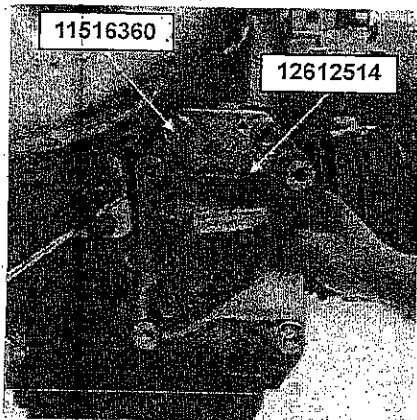
- Figure 1 below shows the required parts to perform the installation procedure. Refer to this picture and following pictures for clarification during the installation of the various components included in this package.

FIGURE 1



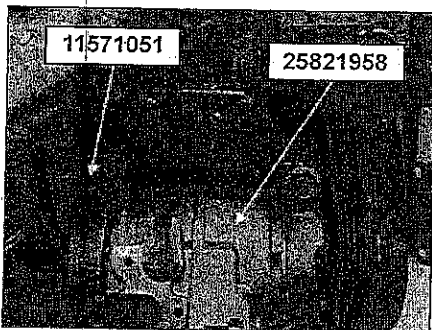
- Install Air Conditioning Bracket, part number (12612514), using bolt, part number (11516360), per Figure 2 below.

FIGURE 2



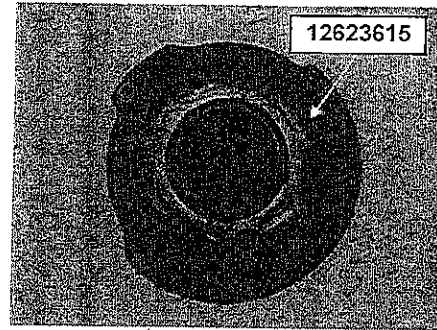
- Install Air Condition Compressor, part number (25821958), with bolt, part number (11571051), per Figure 3 below.

FIGURE 3



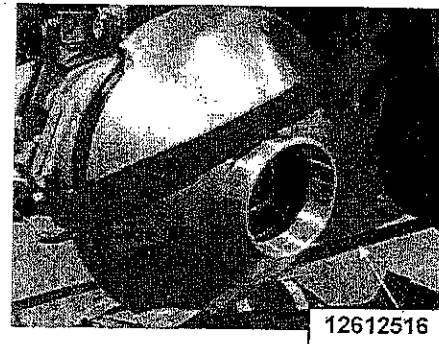
- Install the belt installation tool, part number (12623615) onto the air conditioner compressor, tool shown in Figure 4 below.

FIGURE 4



- Position belt, part number (12612516), on the rear of the crankshaft pulley, then position the belt onto the installation tool using position A, per Figure 5 below.

FIGURE 5



- Rotate the belt installation tool clockwise to load tension on the belt, per Figure 6 below.

FIGURE 6

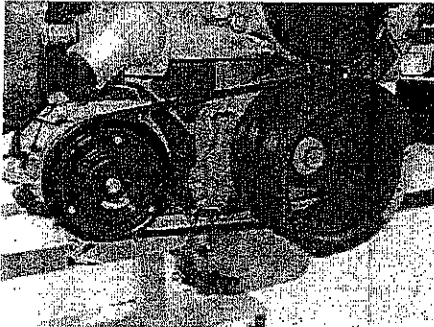


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- After the belt is fully seated, remove belt installation tool, per Figure 7 below.

FIGURE 7

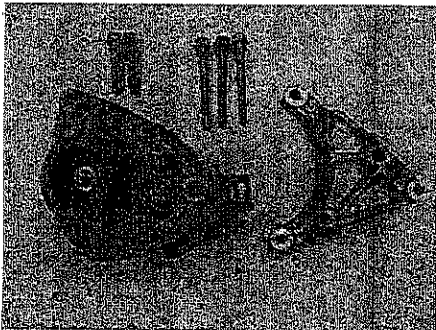


Generator Installation

Installation Procedure:

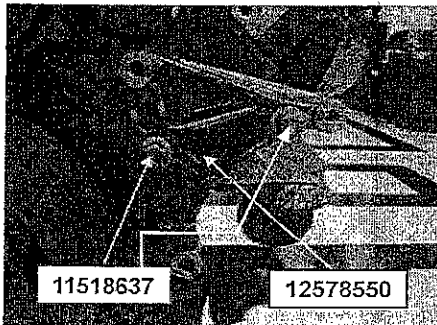
- Figure 1 below shows the required parts to perform the installation procedure. Refer to this picture and following pictures for clarification during the installation of the various components included in this package.

FIGURE 1



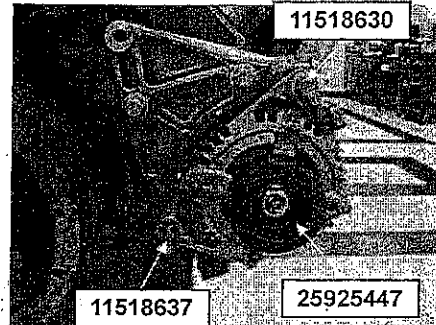
- Install Generator Bracket, part number (12578550) using 2 bolts, part number (11518637), to the engine block, per Figure 2 below.

FIGURE 2



- Install generator, part number (25925447), using bolts, part number (11518630) and part number (11518637) to the generator bracket, also use bolt, part number (11518630) to secure rear of generator (not shown below) per Figure 3 below.

FIGURE 3

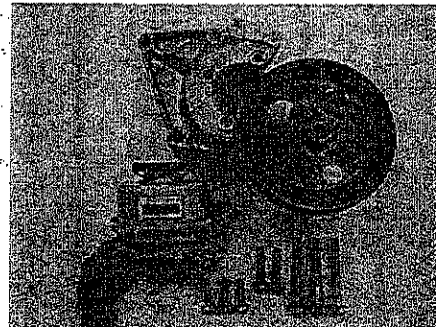


Power Steering Pump Installation

Installation Procedure:

- Figure 1 below shows the required parts to perform the installation procedure. Refer to this picture and following pictures for clarification during the installation of the various components included in this package.

FIGURE 1



- Install Power Steering Pump Reservoir, part number (22768353) to the Power Steering Bracket, part number (12611905), using bolts, part number (11515760), per Figure 2 below. Also install hose 15224351 to reservoir as shown.

FIGURE 2

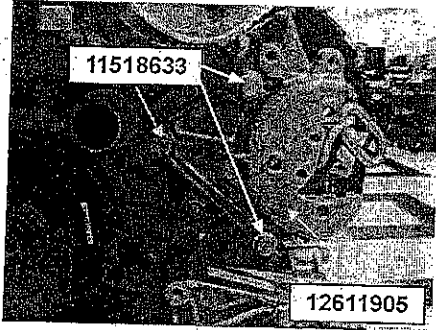


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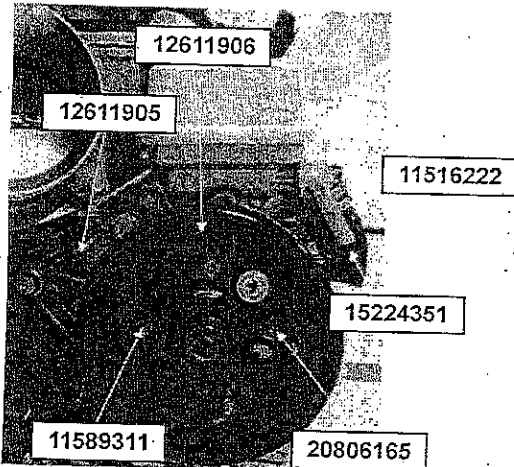
- Install Power Steering Bracket, part number (12611905) to the Engine block using bolts, part number (11518633), per Figure 3 below.

FIGURE 3



- Install power steering pump part number (20806165) to the Power Steering Bracket and slide the pump into the reservoir hose at the same time. Use 3 bolts (11589311) to attach pump to bracket (see figure 4 below).
Note: Install Power Steering Pump Pulley onto pump shaft using proper pulley installation tool. Do not attempt to drive pulley onto pump shaft as pump damage will result!

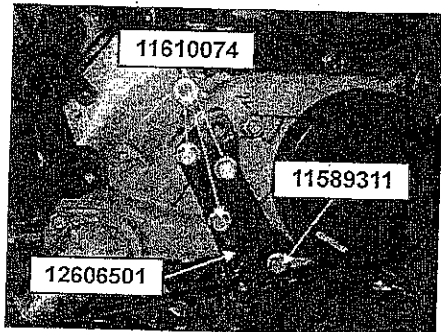
FIGURE 4



Tensioner, Pulley and Belt Installation

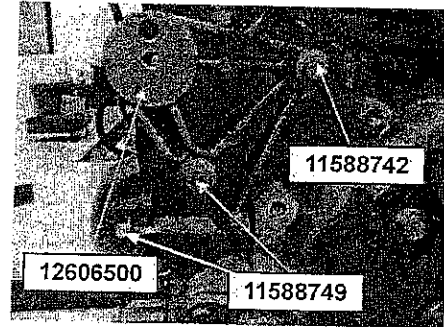
- Install Bracket, part number (12606051), to the Engine Block using Bolts, part number (11610074) and part number (11589311), per Figure 1 below.

FIGURE 1



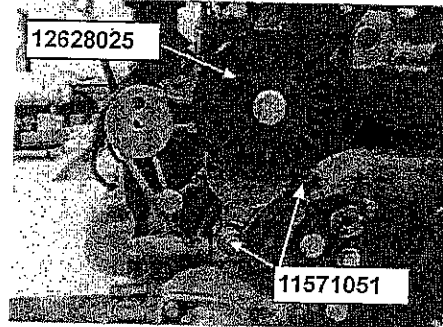
- Install Bracket, part number (12606500), to engine block, using bolts, part number (11588742) and part number (11588749), per Figure 2 below.

FIGURE 2



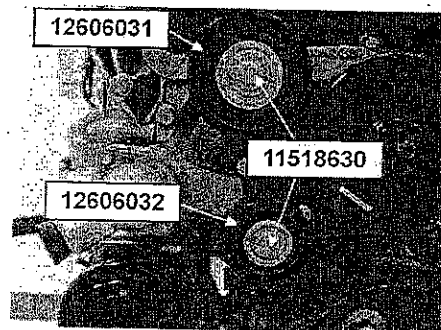
- Install Tensioner, part number (12628025), to engine block, using bolts, part number (11571051), per Figure 3 below.

FIGURE 3



- Install Pulley, part number (12606031), with bolt, part number (11518630), and Pulley, part number (12606032) with bolt, part number (11518630) to engine block, per Figure 4 below.

FIGURE 4

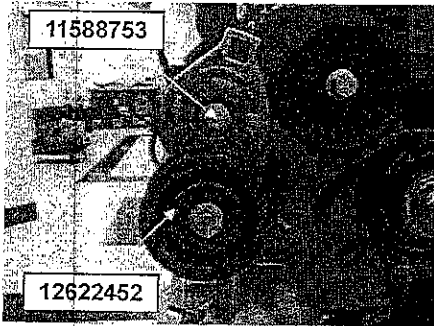


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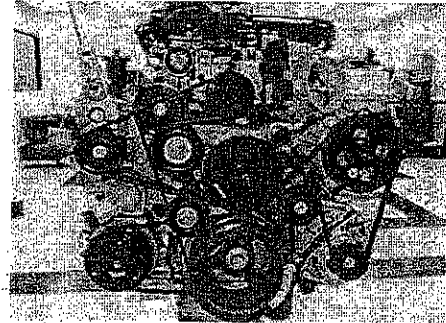
- Install Tensioner, part number (12622452), using Bolt, part number (11588753), to the engine block, per Figure 5 below.

FIGURE 5



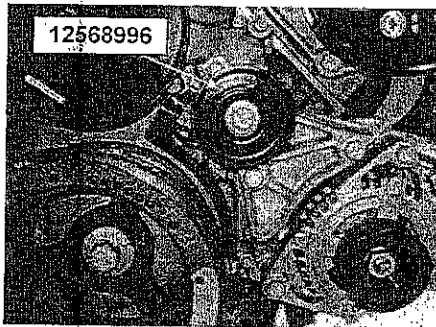
- Using a 1/2" drive ratchet, install Belt, part number (12636227), per Figure 8 below.

FIGURE 8



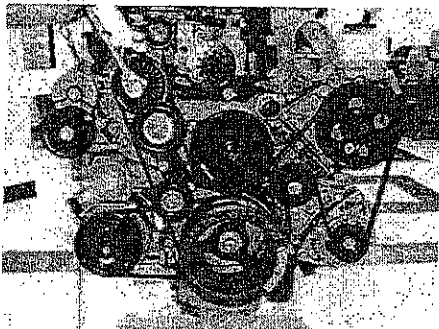
- Install Pulley with bolt, part number (12568996), to the generator bracket, per Figure 6 below.

FIGURE 6



- Using a 15mm wrench or socket, install Belt, part number (12628027), per Figure 7 below.

FIGURE 7



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