

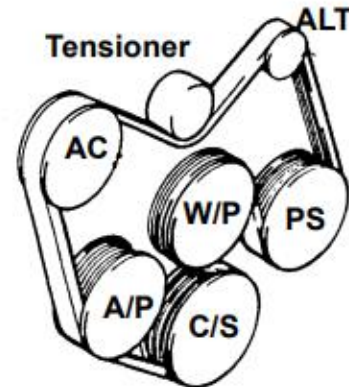
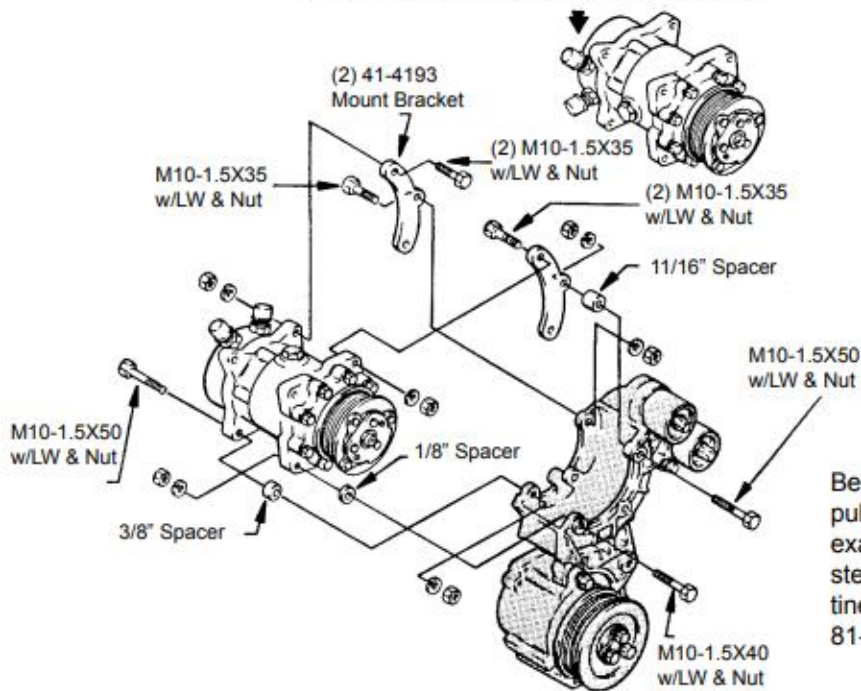
40-4218

Compressor Adapter Bracket Chevrolet V-6 - 4.3 Liter, V-8 - 5.0 & 5.7 Liter w/ Power Steering, w/ Air Pump, w/ Fuel Injection

OLD AIR *Cooling the Classics*
PRODUCTS
Division of Cold Air Products Inc.

1201 Forum Way South, Fort Worth TX 76140
(817) 531-2665 or FAX 531-3257

NOTE: Compressor may be rotated 90 degrees to point fittings toward passenger side if additional space for hood clearance is required.

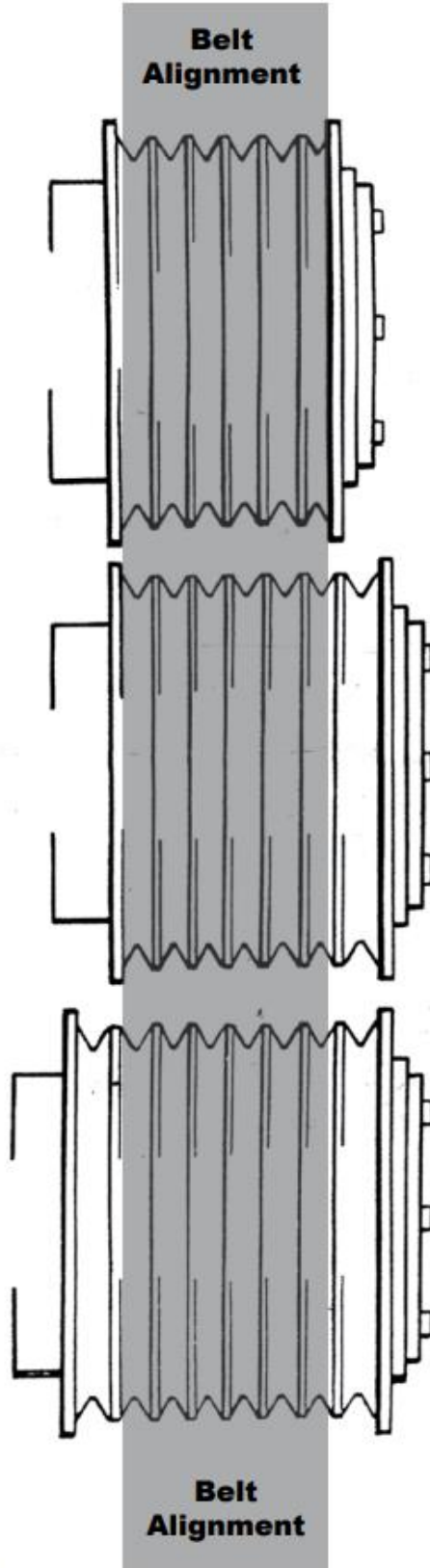


Belt Lengths: Due to the variety of different diameter pulleys used on these engines it is difficult to give the exact belt length required. Most vehicles w/ power steering will use a 98" to 100" inch 6 Groove Serpentine belt. Most vehicles w/o Power Steering use a 81-1/2" inch 6 Groove Serpentine Belt.

INSTALLATION INSTRUCTIONS

1. Disconnect Battery Cable. (Negative or Ground)
2. Remove original R-4 Compressor (or O.E.M. Idler Assembly if equipped)
3. Loosely install the compressor mounts to original bracket assembly. See drawing for proper position and spacers to be used.
4. Loosely install compressor to compressor mounts and original bracket assembly as shown in drawing. Refer to drawing for proper hardware and spacers required.
5. Tighten all mounting bolts securely.
6. Install Belt, See diagram as guide
7. Re-check all mounting bolts to make sure they are secure.
8. BEFORE STARTING ENGINE - Check for proper clearance of radiator & heater hoses, oil lines, fuel lines, belt and compressor clutch.

BELT ALIGNMENT FOR COMPRESSORS WITH POLY-V GROVE (SERPENTINE) CLUTCH



Six Groove Clutch

Seven Groove Clutch
1 Additional Groove at Front of Pulley

Eight Groove Clutch
2 Additional Grooves
1 at Front & 1 at Rear of Pulley



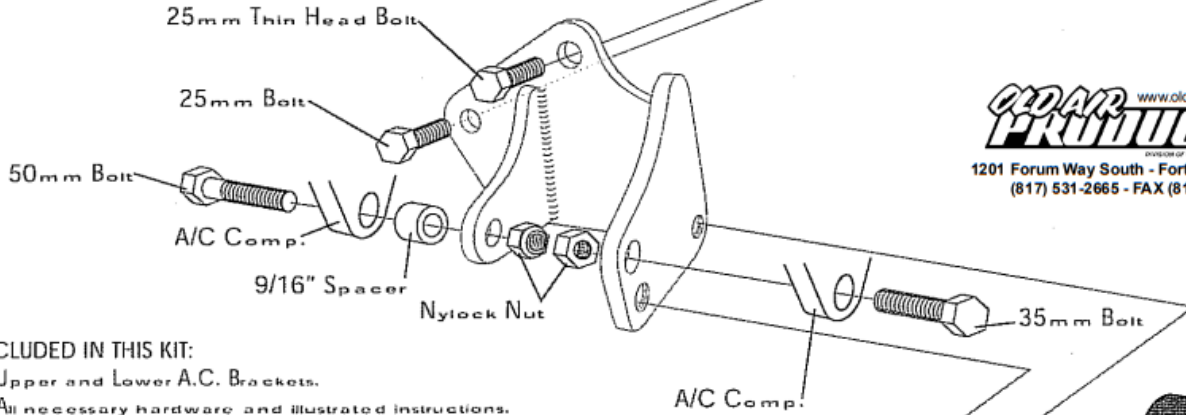
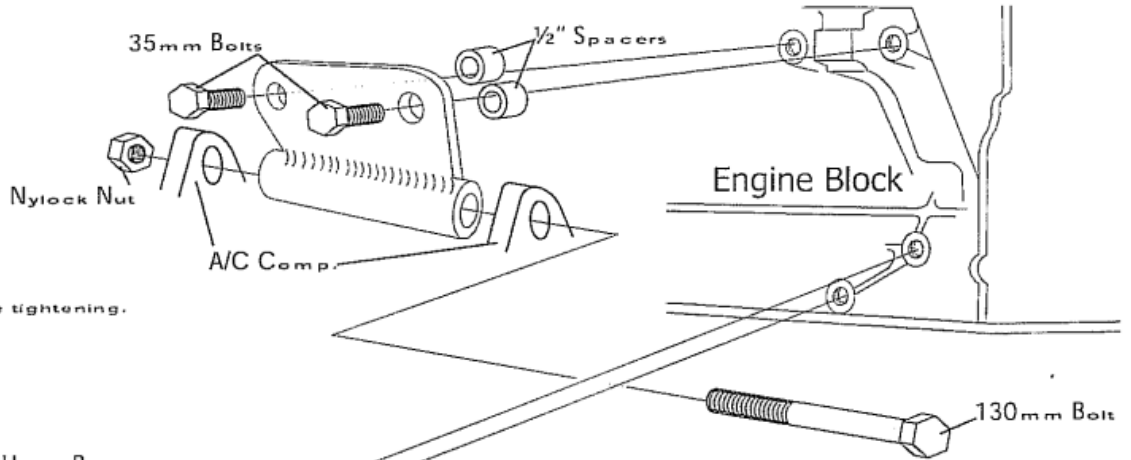
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40-144R

COMPRESSOR MOUNT

LS Corvette Balancer / Low Mount

*Note: Be sure to start all bolts before tightening.



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www.oldairproducts.com

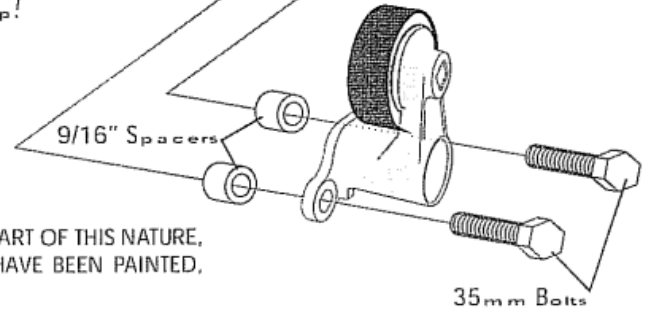
1201 Forum Way South - Fort Worth, TX 76140
(817) 531-2665 - FAX (817) 531-3257

PARTS INCLUDED IN THIS KIT:

- Upper and Lower A.C. Brackets.
- All necessary hardware and illustrated instructions.
- Heavy duty automatic belt tensioner.
- 37" Four rib belt (Dayco# 5040365)

*Compressor and belt information: This bracket is designed for the Sanden 508 A.C. Compressor (Sanden Part# 4514). Sanden Compressors are equipped with a 7 groove clutch pulley; only the rear 4 grooves will be used in this application.

This bracket system is designed for Gen III GM LS Corvette balancers. AS WITH ANY PART OF THIS NATURE, MAKE SURE IT FITS YOUR APPLICATION BEFORE PAINTING OR PLATING. PARTS THAT HAVE BEEN PAINTED, PLATED OR MODIFIED MAY NOT BE RETURNED.



40-141R

COMPRESSOR BRACKET

LS1 CAMARO & FIREBIRD

OLD AIR PRODUCTS DIVISION OF COLD AIR PRODUCTS INC.
www.aldairproducts.com

1201 Forum Way South - Fort Worth, TX 76140
(817) 531-2665 - FAX (817) 531-3257

Technical Information

This bracket system is designed for Gen III LS1 Camaro and Firebird engines. AS WITH ANY PART OF THIS NATURE, MAKE SURE IT FITS YOUR APPLICATION BEFORE PAINTING OR PLATING. PARTS THAT HAVE BEEN PAINTED, PLATED OR MODIFIED MAY NOT BE RETURNED.

- To insure proper function and installation of this product, please read the following detailed instruction (steps 1-6).
- Unless noted, be sure to start all bolts before tightening.

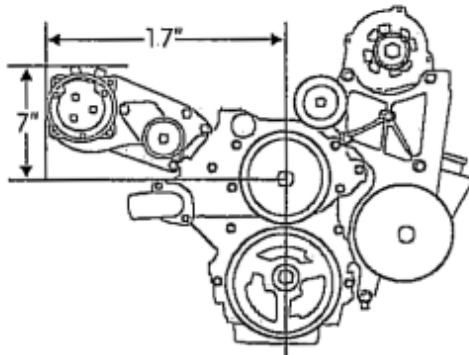
PARTS INCLUDED IN THIS KIT:

- Front and rear A.C. Bracket plates.
- Idler Bracket Plate.
- 2 $\frac{3}{4}$ " six rib idler pulley
- All necessary hardware and Illustrated Instructions.
- Heavy duty automatic belt tensioner.
- 99 $\frac{5}{8}$ " Six rib belt (Dayco# 5060990).

PARTS YOU WILL NEED:

- A.C. Compressor (Sanden 508 part# 4514 or comparable).

BRACKET DIMENSIONS:



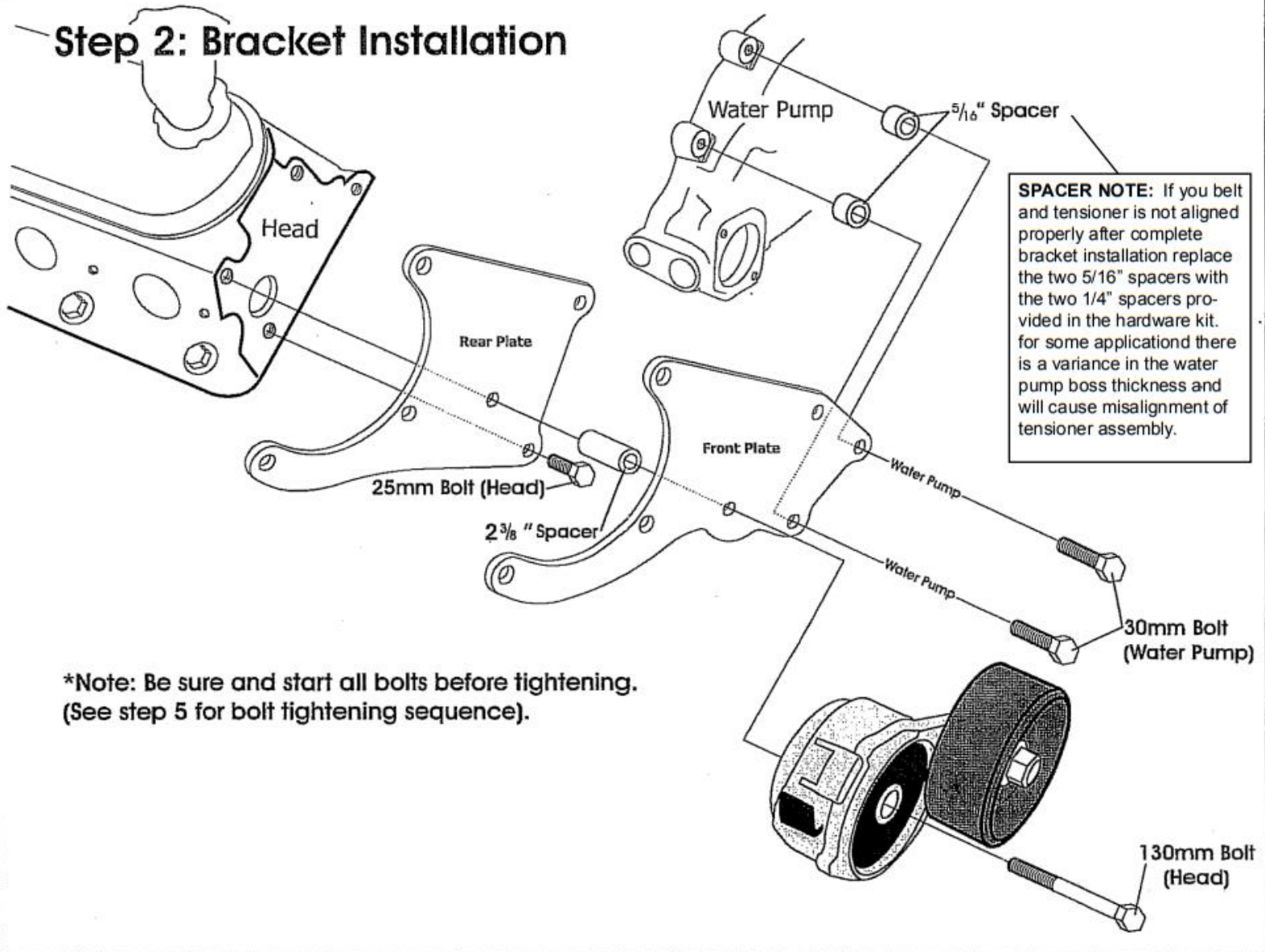
Step 1: Remove Factory Equipment

- Before you begin bracket installation; the removal of the factory six-rib belt and tensioner is necessary.

***NOTE:** On early LS motors the passenger side head mounted EGR will need to be removed. GM EGR block-off plate (GM# 12558346) will be needed at the Intake manifold. Howell Engine Development can assist with ECM modification for early LS applications (810)-765-5100.

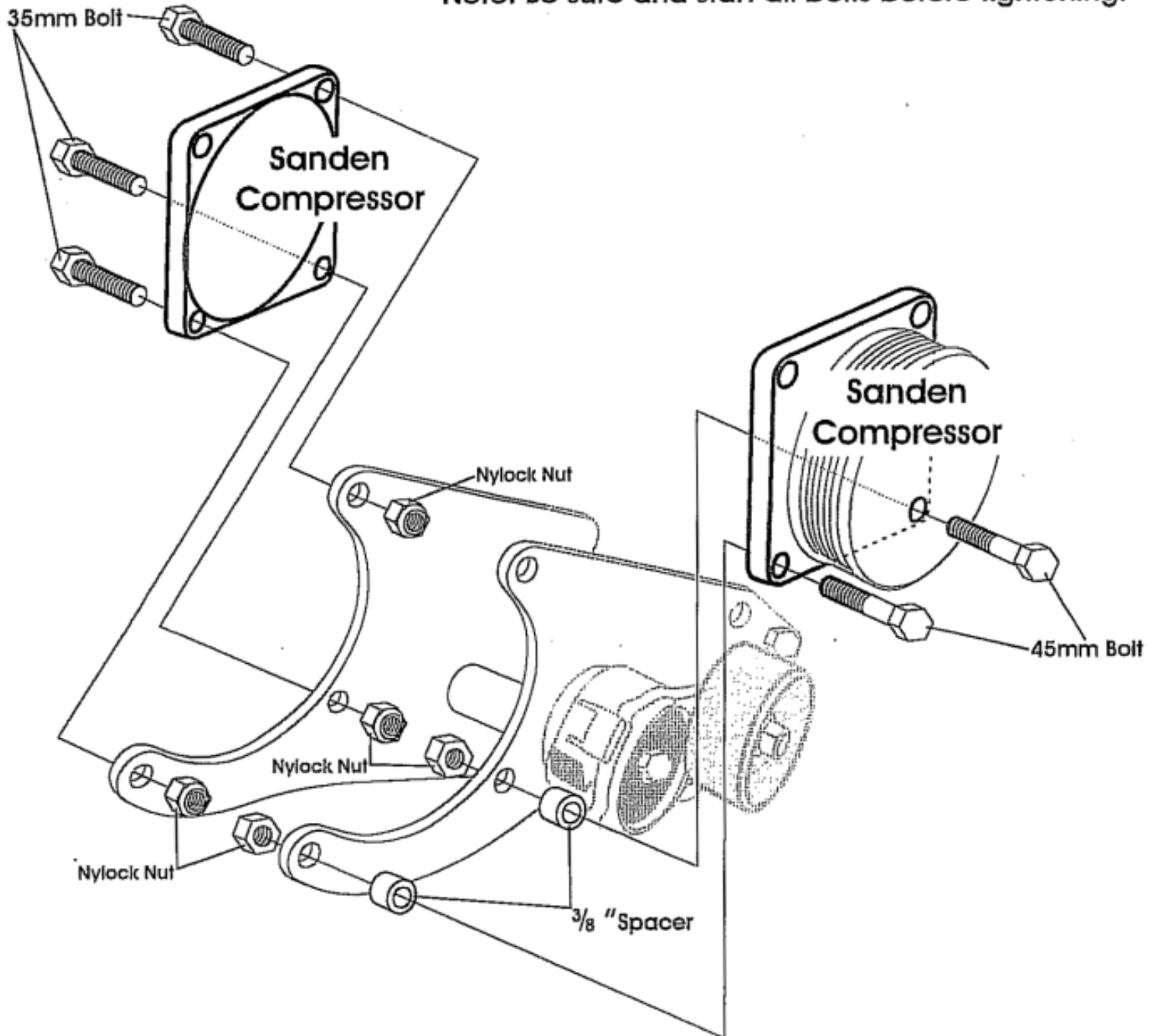
40-141R

Step 2: Bracket Installation



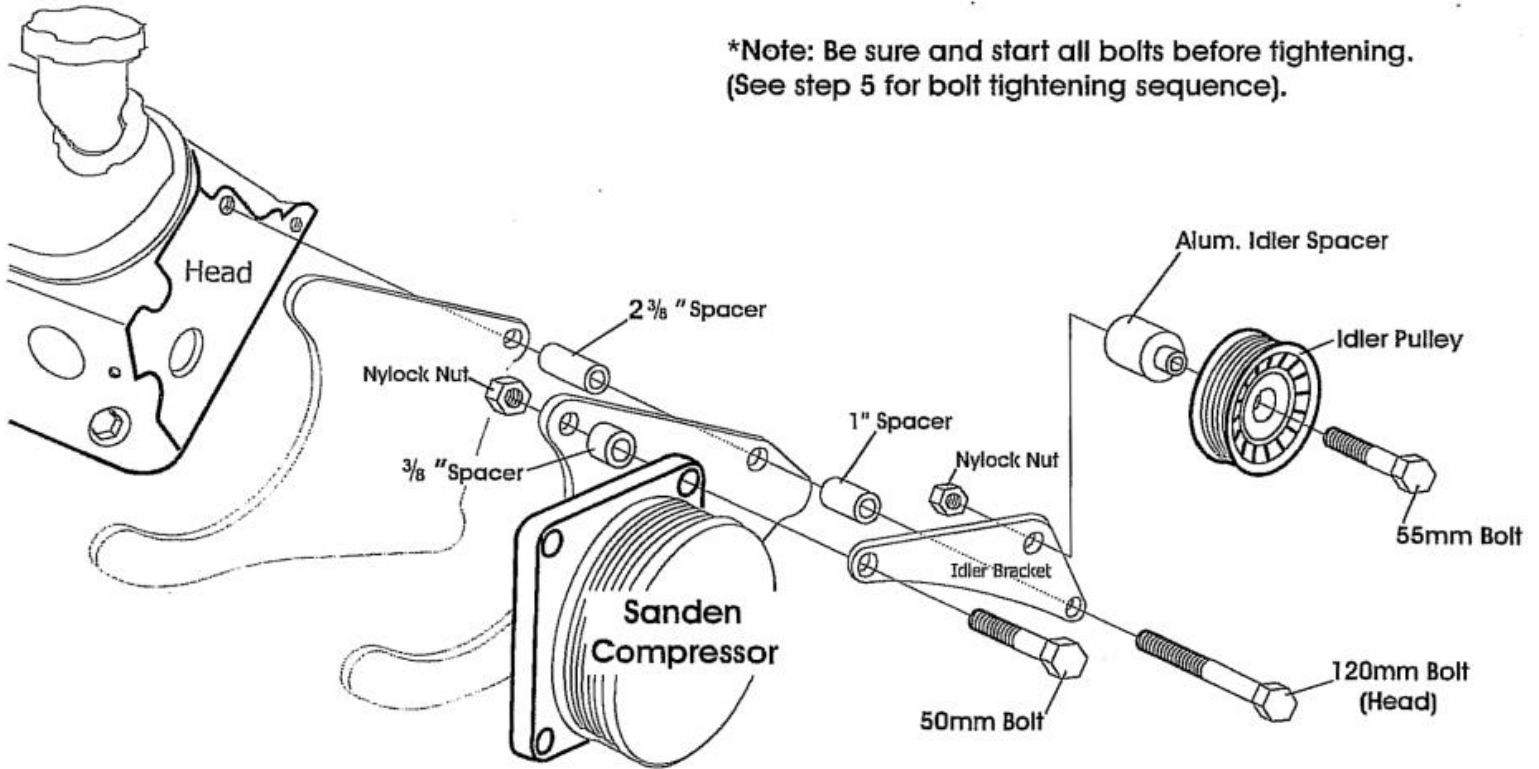
Step 3: Compressor Installation

*Note: Be sure and start all bolts before tightening.



40-141R

Step 4: Idler Pulley Installation



***Note:** Be sure and start all bolts before tightening. (See step 5 for bolt tightening sequence).

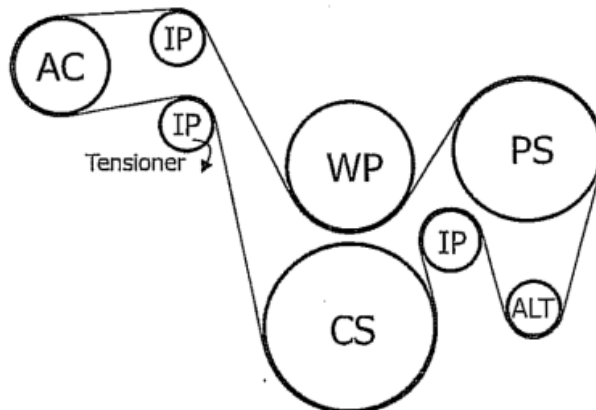
Step 5: Bolt Tightening

When tightening bolts: Lift up on the A.C. Compressor and tighten the 3 bolts that thread into the cylinder head. **Next:** tighten the 2 bolts at the water pump. **Last:** tighten all remaining bolts at the A.C. Compressor and Idler Pulley.

Step 6: Install Belt

- **NOTE:** Sanden A.C. compressors are equipped with a 7 groove clutch pulley; only the inner six grooves will be used in this application (see belt routing below).

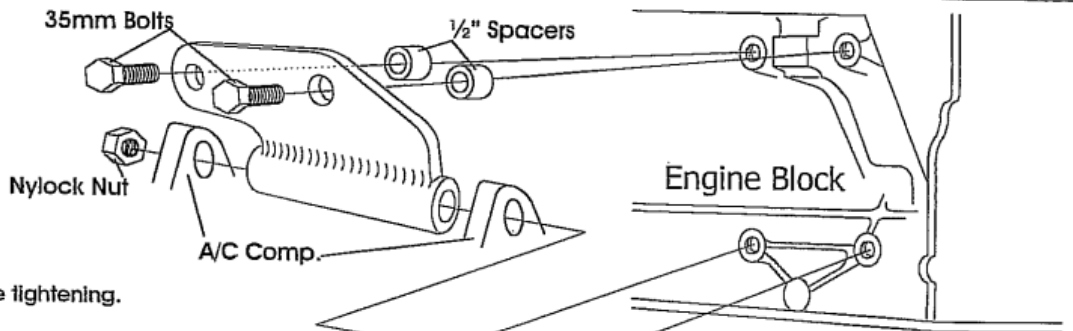
Belt Routing



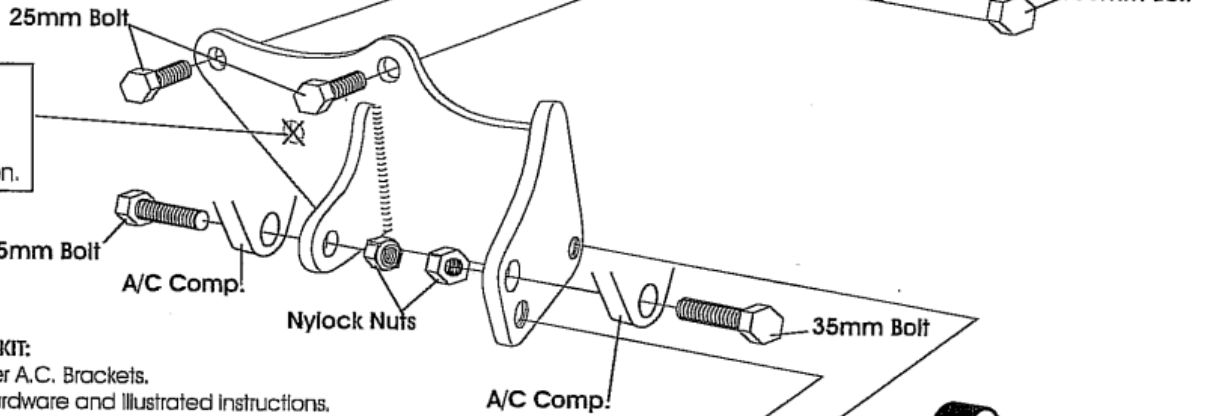
40-142R

Compressor Bracket

GM LS Series Truck Motor
Low Mount



*Note: Be sure to start all bolts before tightening.

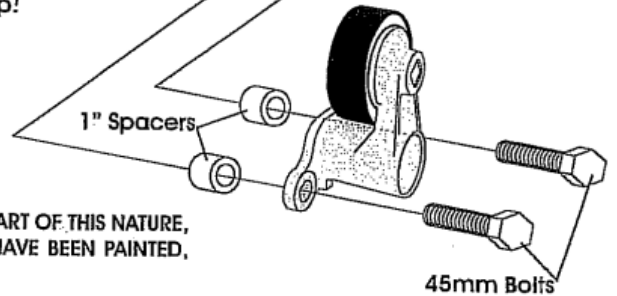


PARTS INCLUDED IN THIS KIT:

- Upper and Lower A.C. Brackets.
- All necessary hardware and Illustrated Instructions.
- Heavy duty automatic belt tensioner.
- 38" Four rib belt (Dayco# 5040373)

*Compressor and belt information: This bracket is designed for the Sanden 508 A.C. Compressor (Sanden Part# 4514). Sanden Compressors are equipped with a 7 groove clutch pulley; only the front 4 grooves will be used in this application.

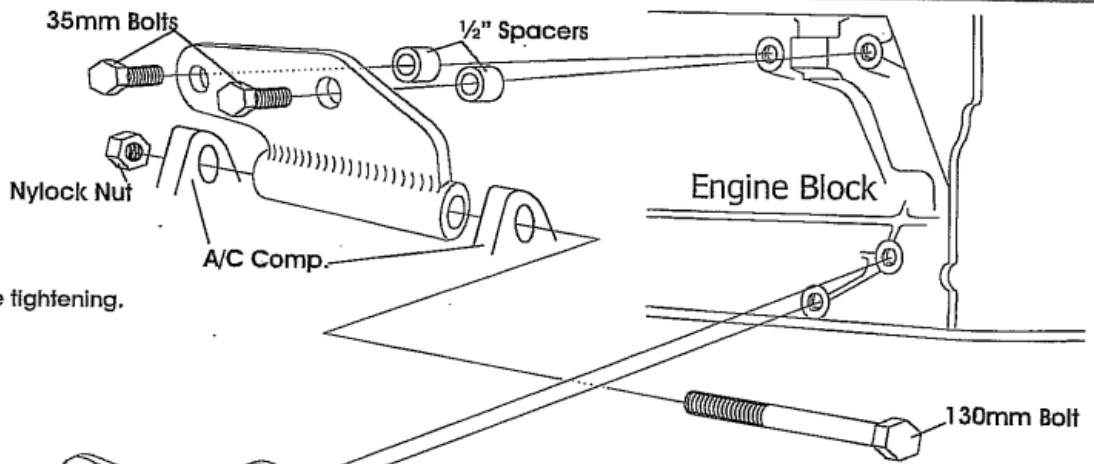
This bracket system is designed for Gen III GM LS series Truck Motors. AS WITH ANY PART OF THIS NATURE, MAKE SURE IT FITS YOUR APPLICATION BEFORE PAINTING OR PLATING. PARTS THAT HAVE BEEN PAINTED, PLATED OR MODIFIED MAY NOT BE RETURNED.



40-143R

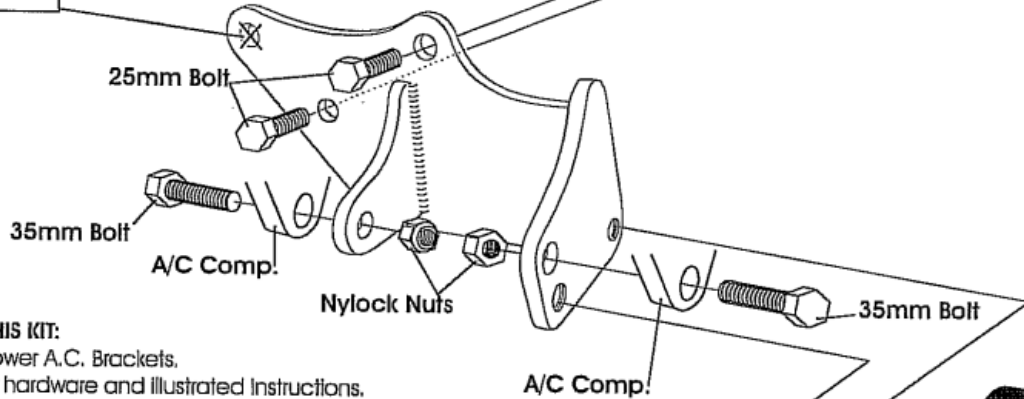
Compressor Bracket

LS1 Camaro/Firebird
Low Mount



*Note: Be sure to start all bolts before tightening.

*Note: This hole is for the cast iron LS truck block and will not be used in this application.

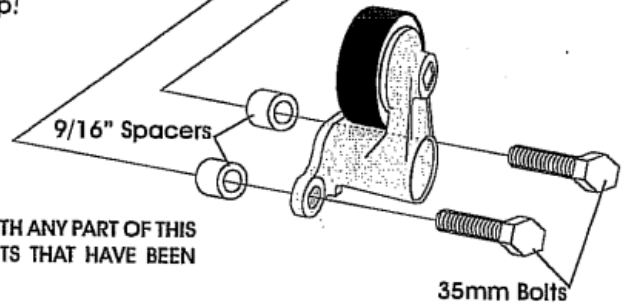


PARTS INCLUDED IN THIS KIT:

- Upper and Lower A.C. Brackets.
- All necessary hardware and illustrated instructions.
- Heavy duty automatic belt tensioner.
- 37" Four rib belt (Dayco# 5040365)

*Compressor and belt information: This bracket is designed for the Sanden 508 A.C. Compressor (Sanden Part# 4514). Sanden Compressors are equipped with a 7 groove clutch pulley; only the rear 4 grooves will be used in this application.

This bracket system is designed for Gen III GM LS1 Camaro and Firebird Motors. AS WITH ANY PART OF THIS NATURE, MAKE SURE IT FITS YOUR APPLICATION BEFORE PAINTING OR PLATING. PARTS THAT HAVE BEEN PAINTED, PLATED OR MODIFIED MAY NOT BE RETURNED.



40-140R

Compressor Bracket

GM LS Series Truck Motor

OLD AIR PRODUCTS www.oldairstproducts.com
DIVISION OF GOLD AIR PRODUCTS INC.

1201 Forum Way South - Fort Worth, TX 76140
(817) 531-2665 - FAX (817) 531-3257

Technical Information

This bracket system is designed for Gen III GM LS series Truck Motors with the standard 105 amp. Alternator applications (see belt disclaimer below). AS WITH ANY PART OF THIS NATURE, MAKE SURE IT FITS YOUR APPLICATION BEFORE PAINTING OR PLATING. PARTS THAT HAVE BEEN PAINTED, PLATED OR MODIFIED MAY NOT BE RETURNED.

- To insure proper function and installation of this product, please read the following detailed instruction (steps 1-5).
- Unless noted, be sure to start all bolts before tightening.

PARTS YOU WILL NEED:

- A.C. Compressor (Sanden 508 part# 4514 or comparable).

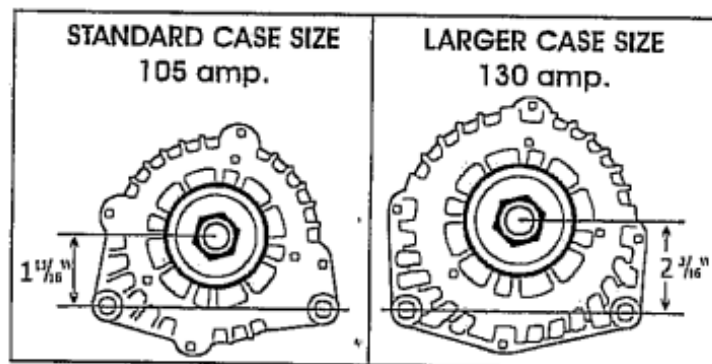
PARTS INCLUDED IN THIS KIT:

- Front and rear A.C. Bracket plates.
- All necessary hardware and illustrated instructions.
- Heavy duty automatic belt tensioner.
- 1 1/2" 6x rib belt (Dayco# 5061115)

***BELT DISCLAIMER:** The belt included in this bracket kit is designed for standard 105 amp. Alternator applications. If your application is using the optional larger case size 130-145 amp. alternator; a smaller idler pulley at the factory alternator mount will be necessary for proper fitment of the included 6 rib belt (SEE ALTERNATOR DIMENSIONS BELOW). This smaller idler pulley is readily available at any auto parts store listed under part numbers:

Dayco # 89007, Gates# 38006, AC Delco# 38006 or GM# 88909587.

***NOTE:** When installing the smaller idler pulley be sure and use the existing factory hardware from the larger pulley you removed.



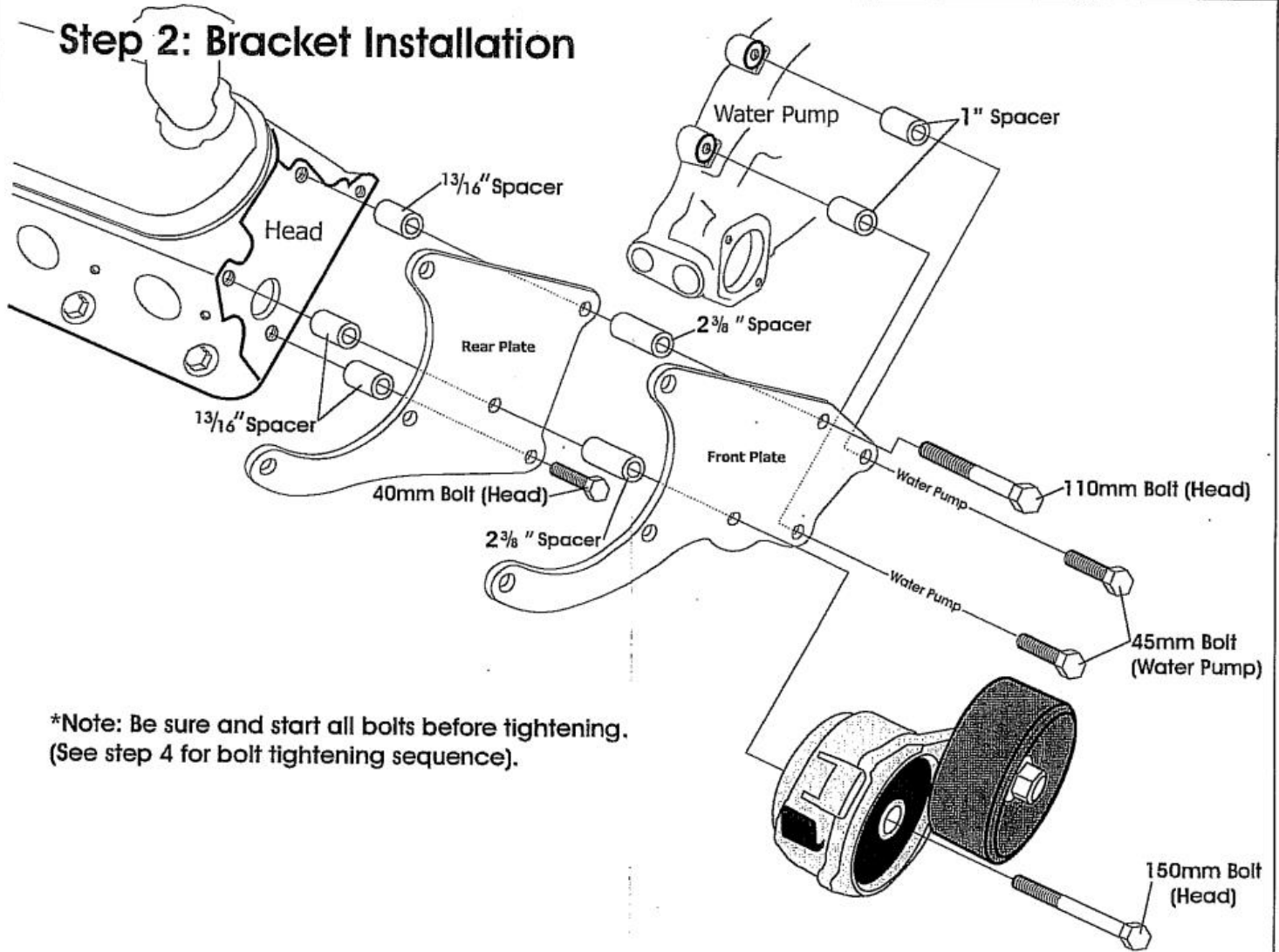
Step 1: Remove Factory Equipment

- Before you begin bracket installation; the removal of the factory six-rib belt and tensioner is necessary.

***NOTE:** On early LS motors the passenger side head mounted EGR will need to be removed. GM EGR block-off plate (GM# 12558346) will be needed at the intake manifold. Howell Engine Development can assist with ECM modification for early LS applications (810)-765-5100.

40-140R

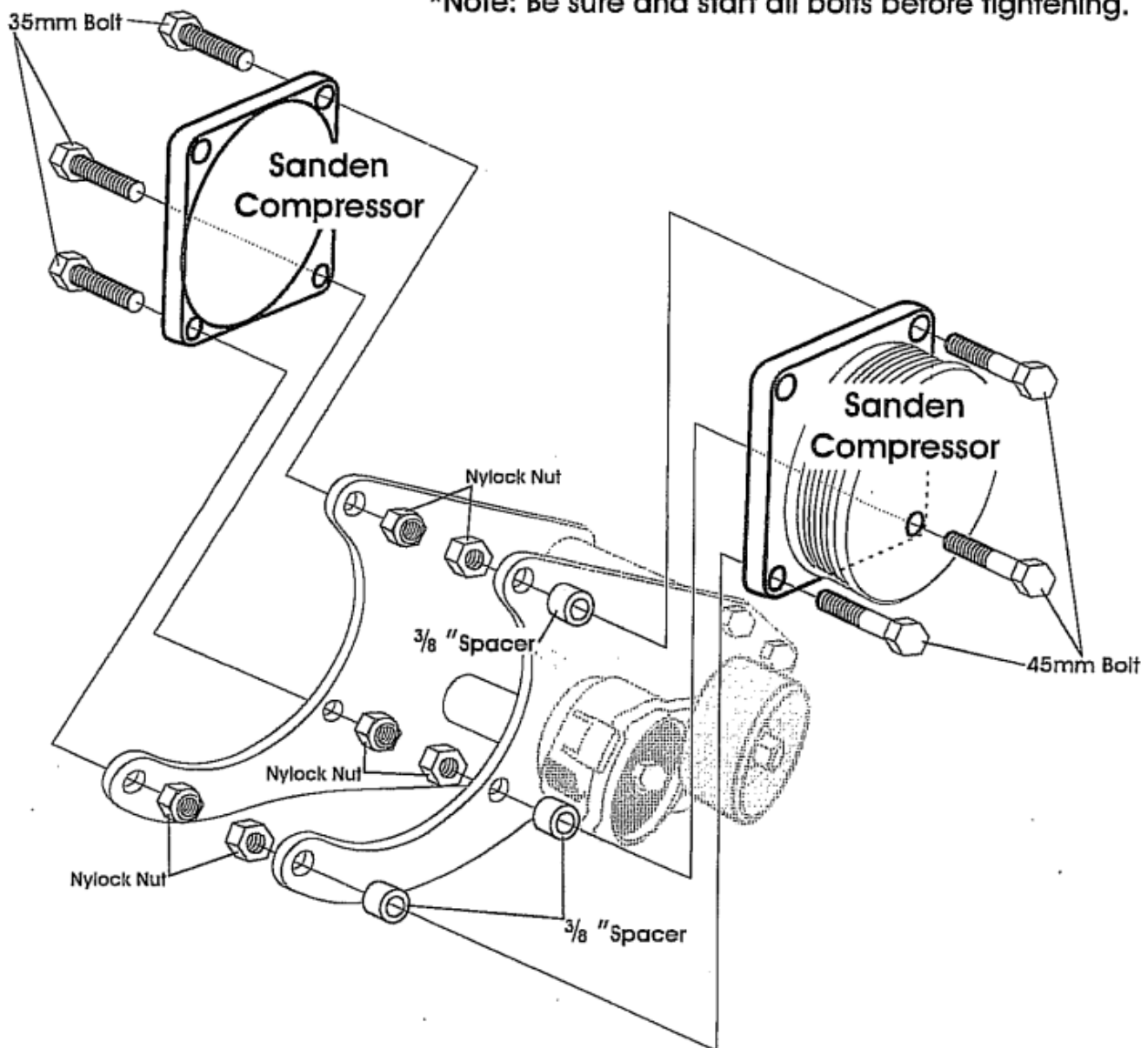
Step 2: Bracket Installation



*Note: Be sure and start all bolts before tightening.
(See step 4 for bolt tightening sequence).

Step 3: Compressor Installation

*Note: Be sure and start all bolts before tightening.



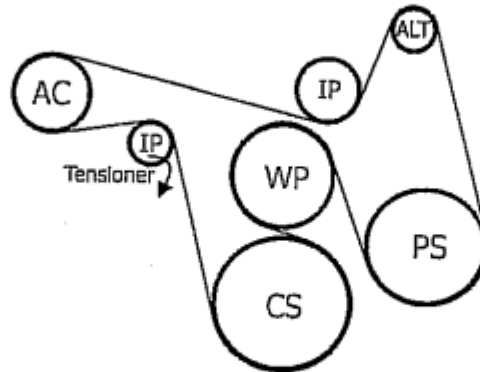
Step 4: Bolt Tightening

When tightening bolts: Lift up on the A.C. Compressor and tighten the 3 bolts that are threaded into the cylinder head. **Next:** tighten the 2 bolts at the water pump. **Last:** tighten all remaining bolts at the A.C. Compressor.

Step 5: Install Belt

***NOTE:** Sanden A.C. compressors are equipped with a 7 groove clutch pulley; only the inner six grooves will be used in this application (see belt routing below).

Belt Routing



***BELT DISCLAIMER:** The belt included in this bracket kit is designed for standard 105 amp. Alternator applications. If your application is using the optional high output 130-145 amp. alternator; a smaller idler pulley at the factory alternator mount will be necessary for proper fitment of the included 6 rib belt (**SEE ALTERNATOR DIMENSIONS ON FRONT PAGE**). This smaller idler pulley is readily available at any auto parts store listed under part numbers:

Dayco # 89007, Gates# 38006, AC Delco# 38006 or GM# 88909587.

***NOTE:** When installing the smaller idler pulley be sure and use the existing factory hardware from the larger pulley you removed.