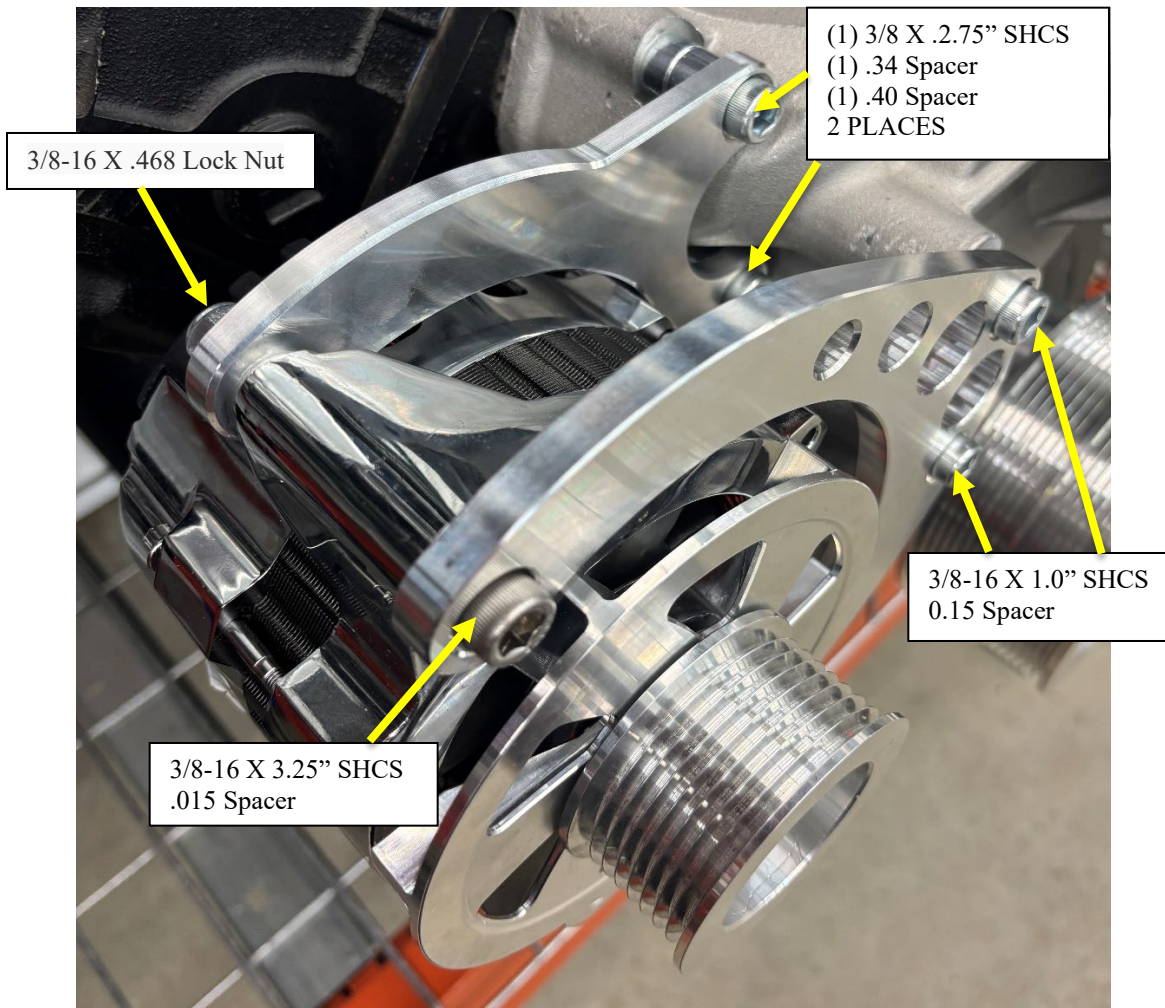


454-ALTBRKT-CT Instructions Rev D

Chevy Big Block with Tall Deck Height, Alternator Bracket Parts List Long Mechanical Water Pump Applications

Item	Description	Qty	Comments
1	5/16-18 X 1.0" BHCS	1	Alternator Adjusting Bolt
2	3/8-16 X 1.0" SHCS	2	Alternator Bracket to Engine / Water Pump
3	3/8-16 X 2.75" SHCS	2	Rear bracket to Engine/Water Pump
4	3/8-16 X 3.25" SHCS	1	Top bolt through Alternator
5	0.15" Spacer P/N 6257722-015	3	Spacer between front bracket and water pump
6	0.34" Spacer P/N 6257722-034	2	Spacer between rear bracket and water pump
7	0.40" Spacer P/N 6257722-040	2	Spacer between rear bracket and water pump
8	3/8-16 x .468 Lock Nut	1	Nut for 3.25" SHCS
9	P/N 454522-C	1	Main Alternator Bracket
10	P/N 454522-C-R	1	Rear Alternator Bracket
	Total Parts	16	10x8x2 Box

Notes: SHCS = Socket Head Cap Screw, BHCS = Button Head Cap Screw



Step 1: Remove old alternator bracket.

IMPORTANT: Do not tighten any bolts until the end.

Step 2: Attach Rear Alternator bracket (454522-C-R) using (2) 3/8 X 2.75" SHCS, (2) .34 Spacers, and (2) .40 Spacers. One of each spacer per bolt.

Step 3: Attach Main Alternator Bracket (454522-C) to water pump using 2 each of 3/8 X 1.0" SHCS and .015" Spacers (6257722-015) between the bracket and water pump

NOTE: The 0.15 spacers should not be used on Gen6 applications

Step 4: Attach alternator using 3/8 X 3.25" SHCS through the alternator "ear", with 3/8-16 .468 Lock Nut.

Step 5: Attach the bottom of the bracket to the alternator with 5/16" X 1.0" Button Head Cap Screw

Step 6: Tighten all bolts except the ones that will need to move during belt tensioning. Install belt, set proper belt tension and tighten all remaining bolts.

If using CVF Racing Pulleys, use a Series 15 belt (15/32" wide at the top). To determine the proper length, cut your old belt and use it to measure. Most auto parts stores sell these belts in 1" increments.

GENERAL FASTENER TORQUE SPECIFICATIONS

Use only when an application-specific torque value is not provided. Verify the grade or property class marked on the bolt head.
Lower torque may be required when fastening into aluminum or other soft materials.
Values assume clean, undamaged threads. Threadlocker is not a dry condition.

SAE COARSE THREAD				
FASTENER	GRADE	LUBRICATED K _s =15	LIGHTLY LUBRICATED K _s =17	DRY K _s =20
1/4"-20	5	76 in-lb	86 in-lb	101 in-lb
5/16"-18	5	157 in-lb	178 in-lb	209 in-lb
3/8"-16	5	23 ft-lb	26 ft-lb	31 ft-lb
7/16"-14	5	37 ft-lb	42 ft-lb	49 ft-lb
1/4"-20	8	107 in-lb	122 in-lb	143 in-lb
5/16"-18	8	221 in-lb	251 in-lb	295 in-lb
3/8"-16	8	33 ft-lb	37 ft-lb	44 ft-lb
7/16"-14	8	52 ft-lb	59 ft-lb	70 ft-lb

SAE FINE THREAD				
FASTENER	GRADE	K _s =15	K _s =17	K _s =20
5/16"-24	8	245 in-lb	278 in-lb	327 in-lb
3/8"-24	8	37 ft-lb	42 ft-lb	49 ft-lb

METRIC COARSE THREAD				
FASTENER	CLASS	K _s =15	K _s =17	K _s =20
M6 x 1.25	8.8	169 in-lb	192 in-lb	225 in-lb
	12.9	283 in-lb	320 in-lb	377 in-lb
M10 x 1.5	8.8	28 ft-lb	32 ft-lb	37 ft-lb
	12.9	47 ft-lb	53 ft-lb	62 ft-lb
M16 x 2.0	8.8	121 ft-lb	137 ft-lb	161 ft-lb

FASTENER TYPE: SAE values shown are for standard hex-head carbon/alloy steel bolts.
Socket, button, flat-head and stainless-steel fasteners require separate, generally lower values.
Verify the appropriate specification at Fastenal.com.

Need Assistance with your build or want to learn more?
Visit our Youtube channel by scanning the QR code for:

- CVF Product Installs
- Troubleshooting Tips
- New Products
- Customer Builds

