



ENERGY



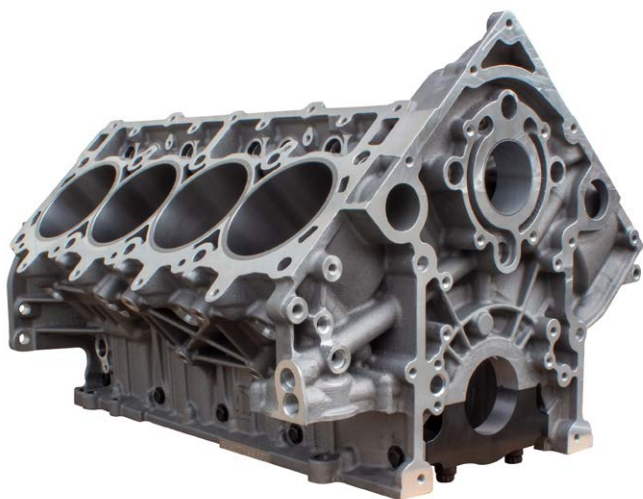
OFFICIAL
LICENSED
PRODUCT

Installation Instructions: Gen III Cast Aluminum Part Numbers: P5160271AA, P5160272AA

Read all instructions before beginning installation

For technical assistance regarding the HEMI® Engine

Block, please contact Callies Performance Products, Monday-Friday, 8:00am-5:00pm EST at 419-435-2711



Engine Block Components:

- (1) Engine block with main caps, main cap fasteners, and cylinder sleeves installed
- (1) 3/8 NPT Plug, loose
- (2) Timing cover dowels, loose
- (2) Bell housing dowels, loose
- (1) Oil filter base to filter, loose
- (4) Cylinder head dowels, loose
- (2) 3/8-24 plugs, loose
- (8) 3/4-16 plugs, loose
- (10) 7/8-14 plugs, loose
- (9) 9/16-18 plugs, loose

P5160272AA Only

- Lifter bushings, installed (Need bored and honed)
- (2) Ø.04" Lifter oil gallery restrictors, loose
- Rear cam plug, o-ring, and retaining ring, loose

P5160271AA Only

- Cam Bearings installed
- Rear Cam Plug, loose
- Oil dipstick hole plug, loose

Miscellaneous

- Max recommended cylinder bore Ø: 4.140"
- See attached for recommended main cap torque procedure
- P5160271AA cylinder head studs, sold separately: 10628
- P5160272AA cylinder head studs, sold separately: 10629



Part Number	Deck Height	Lifter Pattern	Lifter Size	Cam	Bearings Included?	VCT Provision?	Water Jacket	HIP?	Cylinder Bore	Cylinder Bores Honed?
P5160271AA	9.250	Stock	.842 Aluminum	Stock	Yes	Yes	Full	No	Ø4.117/4.113	No
P5160272AA	9.250	Drag Pak	.937 Keyway	60mm RB	No	No	Full	No	Ø4.117/4.113	No

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* Part numbers listed in this document are for reference only, and may not be available through MOPAR. Please check your block's part number against the features listed in the above chart before performing any machining or assembly prep.

Part Numbers: P5160271AA, P5160272AA

Callies Performance Products - 419-435-2711 - www.callies.com
Energy Manufacturing - www.energymanufacturing.com

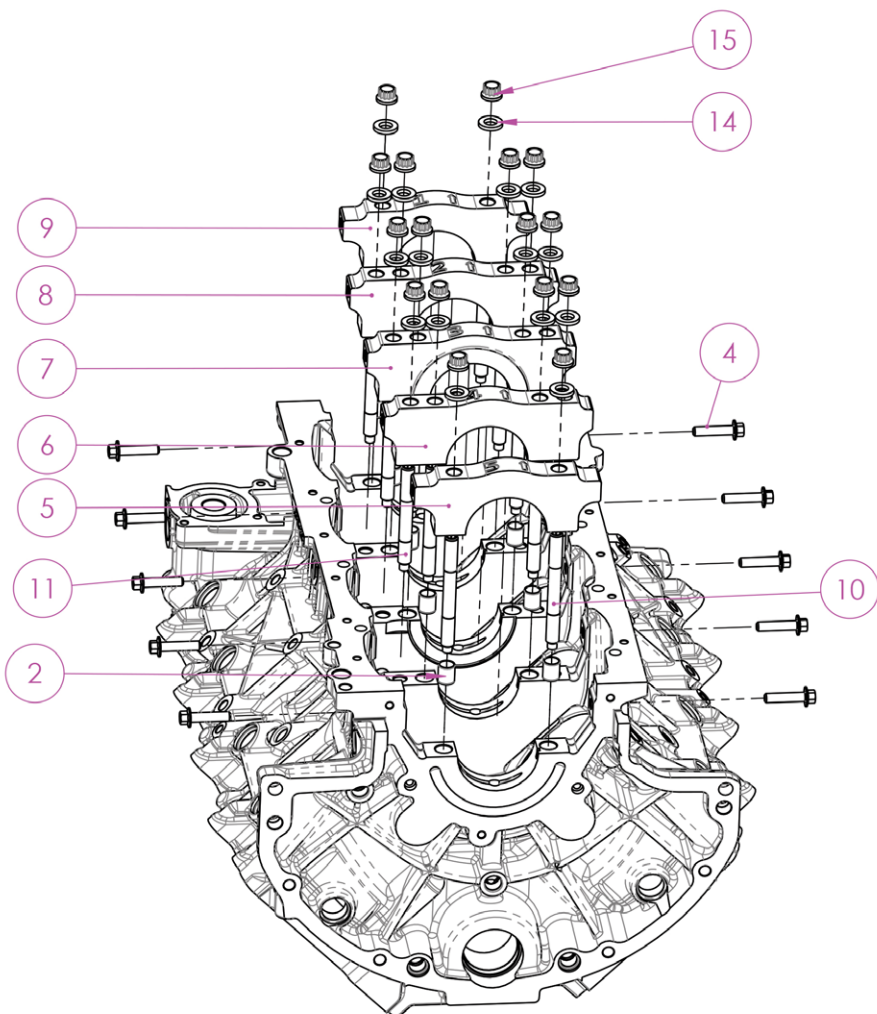


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ITEM NO.	PART NO.	DESCRIPTION	QTY.
2	549201-1	Main Cap Dowels	16
4	110-48_5	Optitorque Side Bolt	10
5	FC00AAZ82413	#5 Main Cap	1
6	FC00AAZ81729	#4 Main Bearing Cap	1
7	FC00AAZ58589	#3 Main Bearing Cap	1
8	FC00AAZ58564	#2 Main Cap	1
9	FC00AAZ39589	#1 Main Bearing Cap	1
10	11048_2	Optitorque Inner Main Stud	10
11	11048_1	Optitorque Outer Main Stud	6
14	11048_3	Optitorque Main Stud Washer	16
15	11048_4	Optitorque Stud Nut	16

1. Verify Studs did not come loose during removal of Main Fastening Hardware; re-torque into Block 9Nm.
2. Install Item No. 14 onto Main Studs, making certain any foreign debris between Main Caps and Washers is minimized. Make certain both surfaces of the Washer are lubricated with ARP Torque Lubricant or the lubricant that came with the fasteners.
3. If lubricant is still not present on Studs, apply ARP Torquing Lubricant to Main Stud Threads. Use of any other lubricant will result in over-torquing. Assemble Item No. 15 to Main Studs, threading by hand until touching Washers.
4. If lubricant is still not present on Item No. 4, apply ARP Torquing Lubricant to Item No. 4 Threads. Use of any other lubricant will cause over-torquing. Thread Item No. 4 by hand until touching Block.

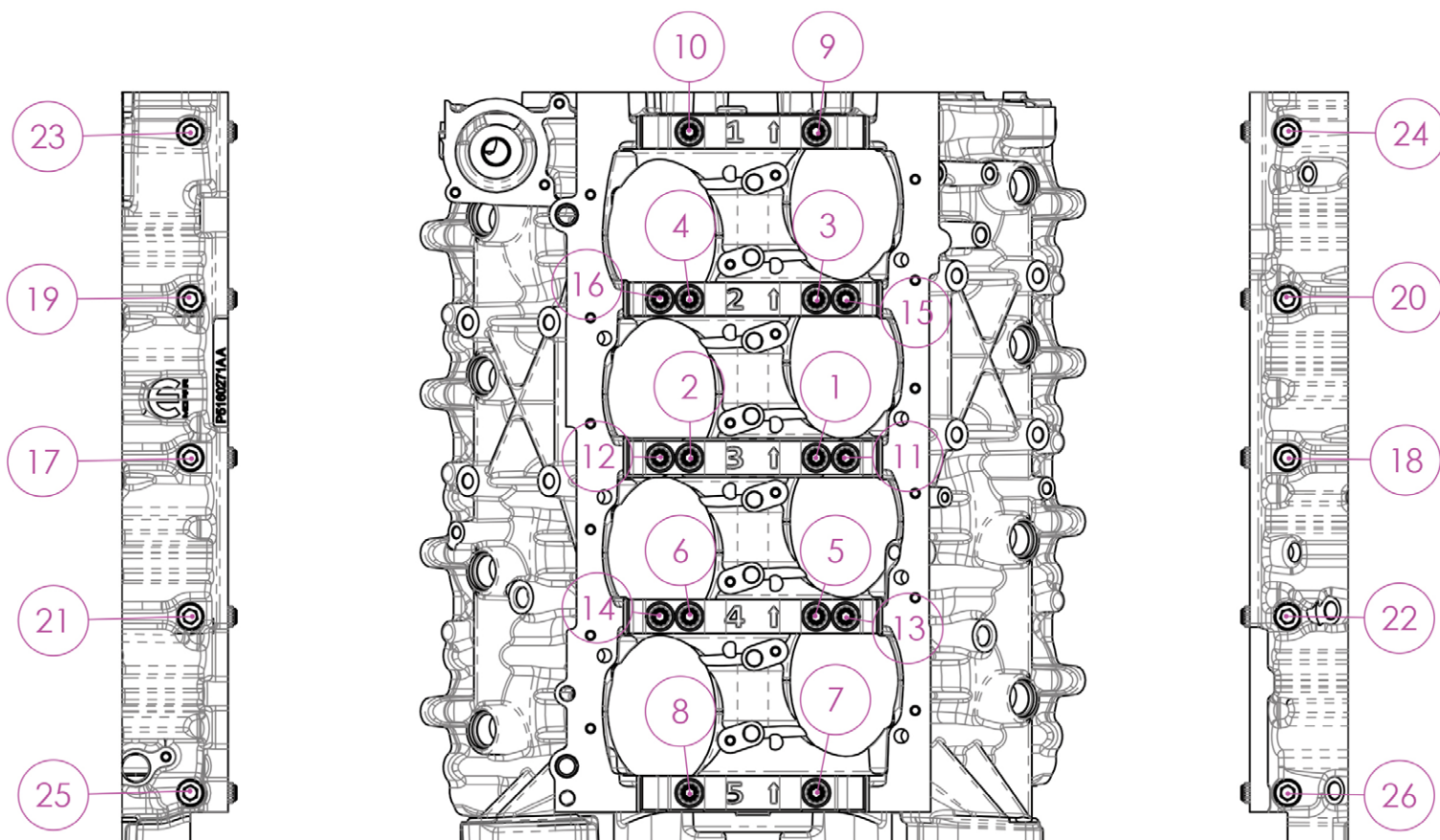


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Step A1: Set torque wrench to torque specified by table. Torque 1 thru 16 in order shown in diagram.

Step A2 & A3: Repeat above instruction.

Step A4: Set torque wrench to torque specified by table. Torque 17 thru 26 in order shown in diagram.

Step A5: Repeat above instruction.

STEP	DYNAMIC TORQUE
A1	34 NM
A2	+50°
A3	+55°
A4	27 NM
A5	43 NM